



Illustrated Parts Manual

Models

***644B, 6K, 844C,
8K, 1044C &
10K***

1100820

*Revised
October 24, 2016*



EFFECTIVITY PAGE

June 23, 2003 - B-009 - Revised Manual
February 25, 2005 - C - Replaced all branding with JLG
April 24, 2009 - D - Revised Manual
October 10, 2016 - E - Revised Manual, Rev 2

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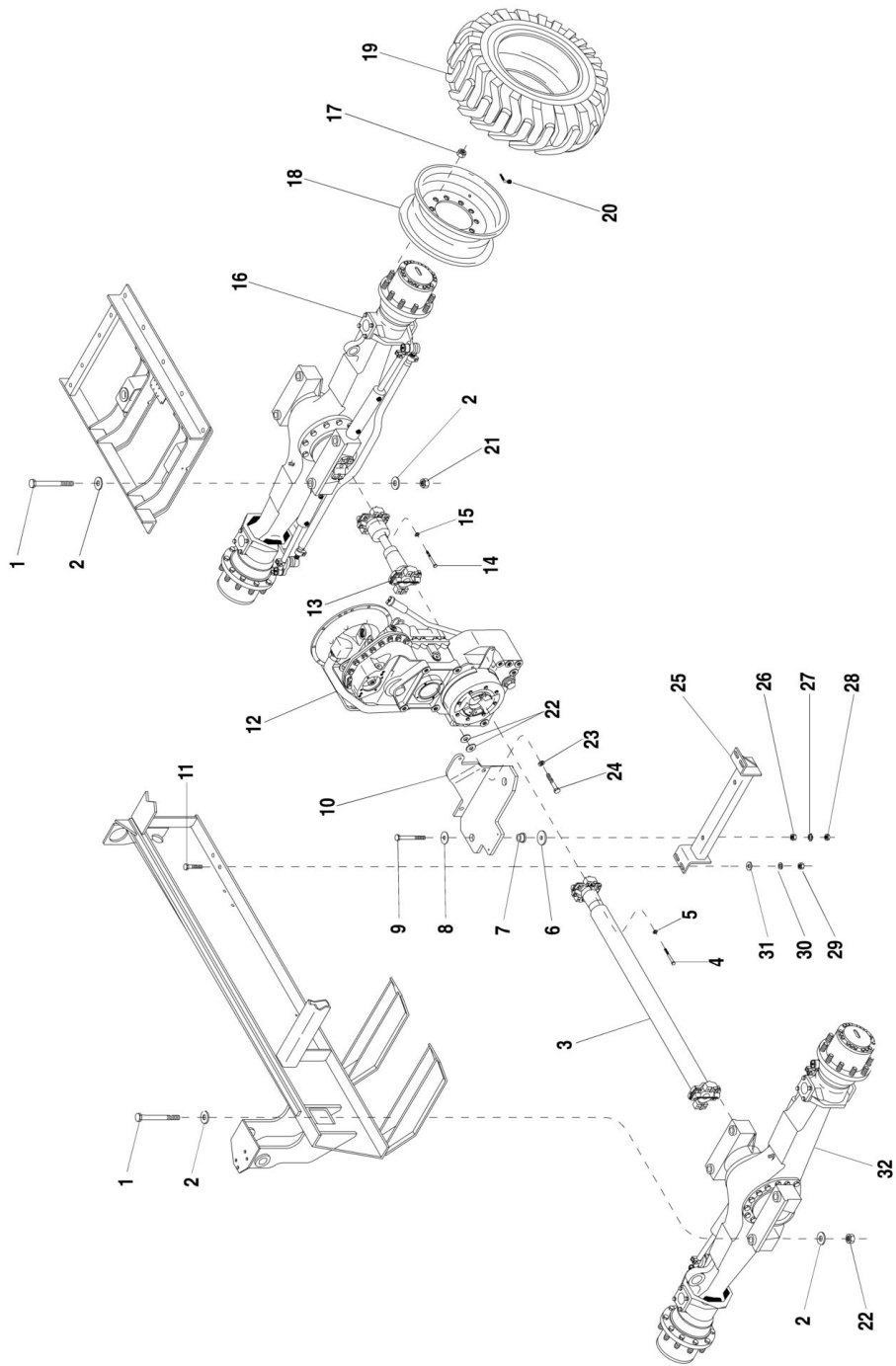
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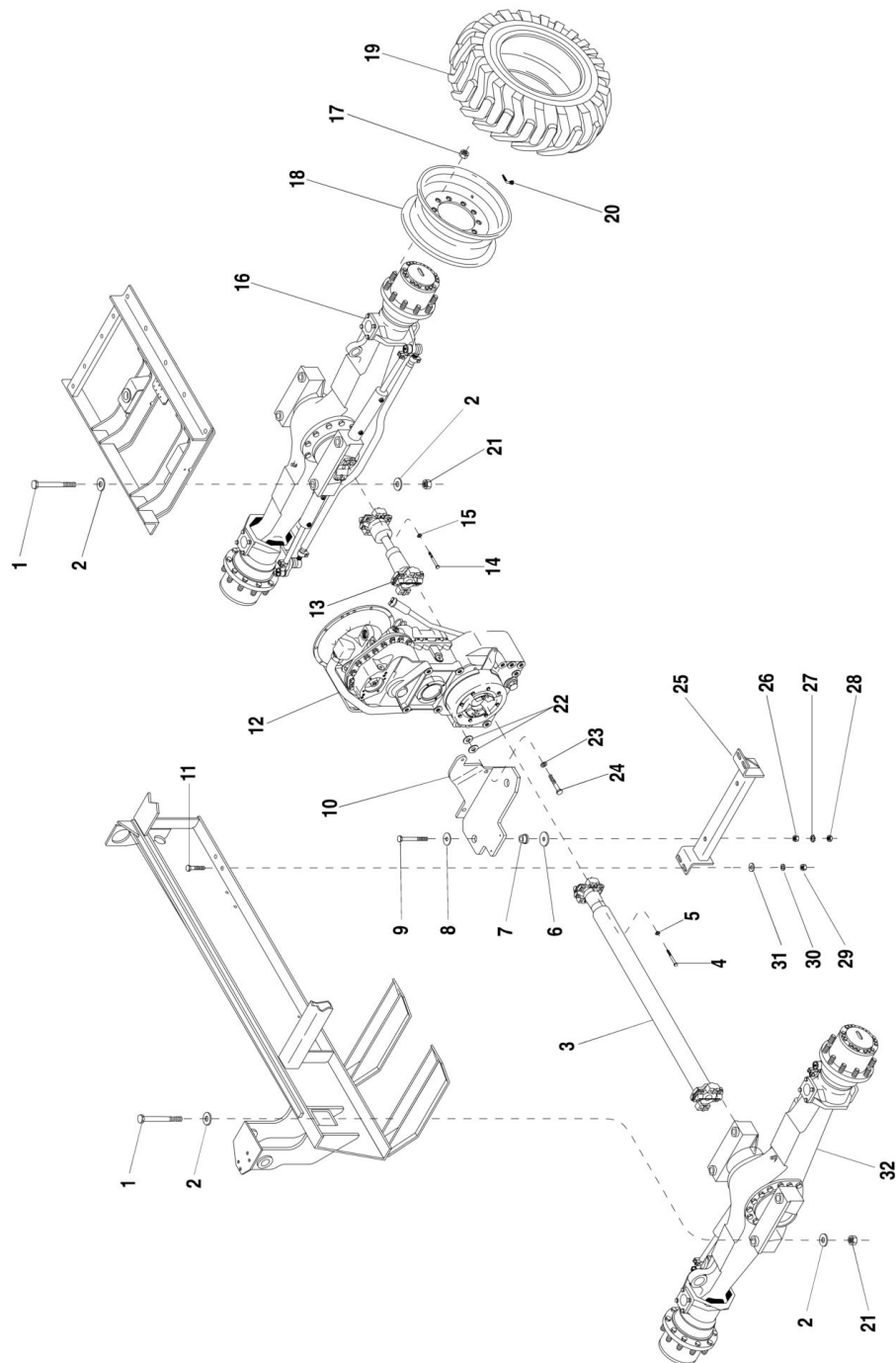
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FIGURE 1-1. DRIVE TRAIN GROUP ASSEMBLY (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 101 to Present; 644B-42 SN 101 through 1262; 6K-37 SN 101 to Present; 6K-42 SN 101 through 226)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P00941	8	Capscrew, Hx, 1in-8 x 7in GR 8	
2	P01259	16	Flatwasher, 1in SAE - Hardened	
3	35351B	1	Drive Shaft, Front (Includes Items 4, 5) (See FRONT DRIVE SHAFT ASSEMBLY for Breakdown)	
4	P00284	8	Capscrew, Hx, 3/8in-24 1 3/4in GR 8	
5	P01359	8	Starwasher, 3/8in	
6	38112A	2	Spacer (Note: Not Required with Cummins Engines.)	
7	P32961	2	Rubber Mount, Transmission	
8	15616A	2	Snubbing Washer	
9	P00694	2	Capscrew, Hx, 5/8in-18 5 1/2in GR 8	
10	38777B	1	Transmission Mount (Note: Use 36938B for the Following Machines. (644B-37 S/N 101 through 383; 644B-42 S/N 101 through 119; 6K-37 S/N 101 through 211; 6K-42 S/N 101 through 105))	
11	P00605	4	Capscrew, Hx, 5/8in-11 2 1/4in	
12	38369A	1	Transmission, 3 Speed (See CONVERTER & FLEX PLATE (3WG 100) for Breakdown)	
13	36878B	1	Drive Shaft, Rear (Includes Items 14,15) (See REAR DRIVE SHAFT ASSEMBLY for Breakdown) (Note: Use 35913A for Following Machines. (644B-37 S/N 101 through 170; 6K-37 S/N 101 through 144))	
14	P00284	8	Capscrew, Hx, 3/8in-24 1 3/4in GR 8	
15	P01359	8	Starwasher, 3/8in	
16	39682A	1	Axle, Rear (Includes Item 17) (Replaces 38541A) (See DIFFERENTIAL CARRIER ASSEMBLY - FRONT AXLE (PS 7036) for Breakdown) (Note: Use 35913A for Following Machines (644B-37 S/N 101 through 170; 6K-37 S/N 101 through 144))	
17	P13894	Ref	Lug Nut	
18	34680B	4	Wheel, Rim (9 x 24)	
19	P11688	4	Tire, 13.00 x 24 10 Ply	
19	P19043	-	Tire, 13.00 x 24 12 Ply	
19	P16443	-	Tire, 13.00 x 24 12 Ply Steelguard	
20	P13673	4	Valve Stem	
21	P01209	8	Nut Hx, 1in-8 GR 8	
22	10731325	8	Washer, Flat, 77 I.D x 1.31O.D x .05 THK	
23	P04613	4	Lockwasher, M20	
24	10704352	4	Capscrew, Hx, M20-2.5 x 40mm C8.8	
25	66854A	1	Support Mount, Transmission (Replaces 36935A) (Note: For the Following Machines order Transmission Support Replacement Kit 66856B. (644B-37 S/N 101 through 1213; 644B-42 S/N 101 through 354; 6K-37 S/N 101 through 488; 6K-42 S/N 101 through 178). Kit Includes: Transmission Support 66854B and Mounting Hardware Items 11 & 28-30)	
26	P01535	2	Nut Hx, 5/8in-18	
27	P01363	2	Starwasher, 5/8in	
28	P01585	3	Jam Nut, Hx, 5/8in-18	
29	P01512	4	Nut Hx, 5/8in-11	
30	P01314	4	Lockwasher, 5/8in	
31	P01408	4	Flatwasher, 5/8in	
32	39681A	1	Axle, Front (Includes Item 17) (Supersedes 38540A) (See DIFFERENTIAL CARRIER ASSEMBLY - FRONT AXLE (PS 7036) for Breakdown) (Note: Use 35912A for Following Machines. (644B-37 S/N 101 through 170; 6K-37 S/N 101 through 144))	

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FIGURE 1-2. DRIVE TRAIN GROUP ASSEMBLY (644B-42,6K-42,844C-42,8K-42) (644B-42 SN 1262 to Present; 844C-42 SN 101 to Present; 6K-42 SN 227 to Present; 8K-42 SN 101 to Present)



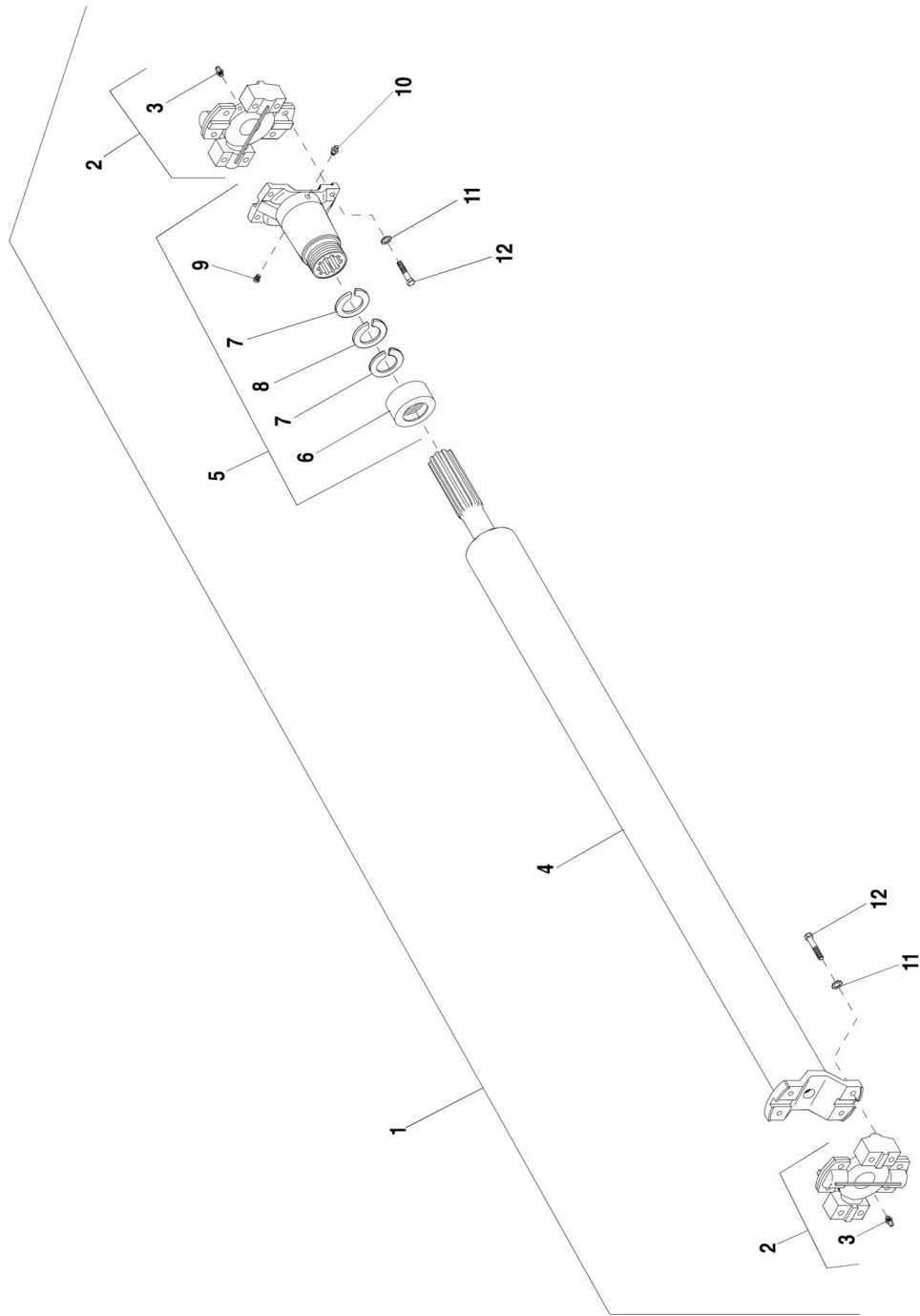
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FIGURE 1-2. DRIVE TRAIN GROUP ASSEMBLY (644B-42,6K-42,844C-42,8K-42) (644B-42 SN 1262 to Present; 844C-42 SN 101 to Present; 6K-42 SN 227 to Present; 8K-42 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P00941	8	Capscrew, Hx, 1in-8 x 7in GR 8	
2	P01259	16	Flatwasher, 1in SAE - Hardened	
3	35351B	1	Drive Shaft, Front (Includes Items 4, 5) (See FRONT DRIVE SHAFT ASSEMBLY for Breakdown)	
4	P00284	8	Capscrew, Hx, 3/8in-24 x 1 3/4in GR 8	
5	P01359	8	Starwasher, 3/8in	
6	38112A	2	Spacer (Note: Not Required with Cummins Engines.)	
7	P32961	2	Rubber Mount, Transmission	
8	15616A	2	Snubbing Washer	
9	P00694	2	Capscrew, Hx, 5/8in-18 x 5 1/2in GR 8	
10	38777B	1	Transmission Mount (Note: Use 36938B for the Following Machines. (844C-42 S/N 101 through 281; 8K-42 S/N 101 through 162, 165))	
11	P00605	4	Capscrew, Hx, 5/8in-11 x 2 1/4in	
12	38370A	1	Transmission, 4 Speed (See CONVERTER AND FLEX PLATE (4WG 100) for Breakdown)	
13	36878B	1	Drive Shaft, Rear (Includes Items 14,15) (See REAR DRIVE SHAFT ASSEMBLY for Breakdown)	
14	P00284	8	Capscrew, Hx, 3/8in-24 x 1 3/4in GR 8	
15	P01359	8	Starwasher, 3/8in	
16	39684A	1	Axle, Rear (Includes Item 17) (Replaces 38440A) (See DIFFERENTIAL CARRIER ASSEMBLY - FRONT AXLE (PS 7036) for Breakdown) (Note : Use 38184A for Following Machines. (844C-42 S/N 101 through 164; 8K-42 S/N 101 through 124))	
17	P13894	Ref	Lug Nut	
18	34680B	4	Wheel, Rim (9 x 24)	
19	P11688	4	Tire, 13.00 x 24 10 Ply	
19	P19043	-	Tire, 13.00 x 24 12 Ply	
19	P16443	-	Tire, 13.00 x 24 12 Ply Steelguard	
20	P13673	4	Valve Stem	
21	P01209	8	Nut Hx, 1in-8 GR 8	
22	10731325	8	Washer, Flat, 77 I.D. x 1.31O.D x .05 THK	
23	P04613	4	Lockwasher, M20	
24	10704352	4	Capscrew, Hx, M20-2.5 x 40mm C8.8	
25	66854A	1	Support Mount, Transmission (Replaces 36935A) (Note : For the Following Machines order Transmission Support Replacement Kit 66856B. (844C-42 S/N 101 through 1283; 8K-42 S/N 101 through 331). Kit Includes: Transmission Support 66854B (Item 24) and Mounting Hardware Items (11 & 28-30))	
26	P01535	2	Nut Hx, 5/8in-18	
27	P01363	2	Starwasher, 5/8in	
28	P01585	3	Jam Nut, Hx, 5/8in-18	
29	P01512	4	Nut Hx, 5/8in-11	
30	P01314	4	Lockwasher, 5/8in	
31	P01408	4	Flatwasher, 5/8in	
32	39683A	1	Axle, Front (Includes Item 17) (Replaces 38439A) (See DIFFERENTIAL CARRIER ASSEMBLY - FRONT AXLE (PS 7036) for Breakdown) (Note: Use 38183A for Following Machines. (844C-42 S/N 101 through 164; 8K-42 S/N 101 through 124))	

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**FIGURE 1-3. FRONT DRIVE SHAFT ASSEMBLY (1044C-42,10K-42,644B-37,644B-42,844C-42,8K-42)
(644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 844C-42 SN 101 to Present; 1044C-42 SN
101 through 107; 6K-37 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 through 106)**



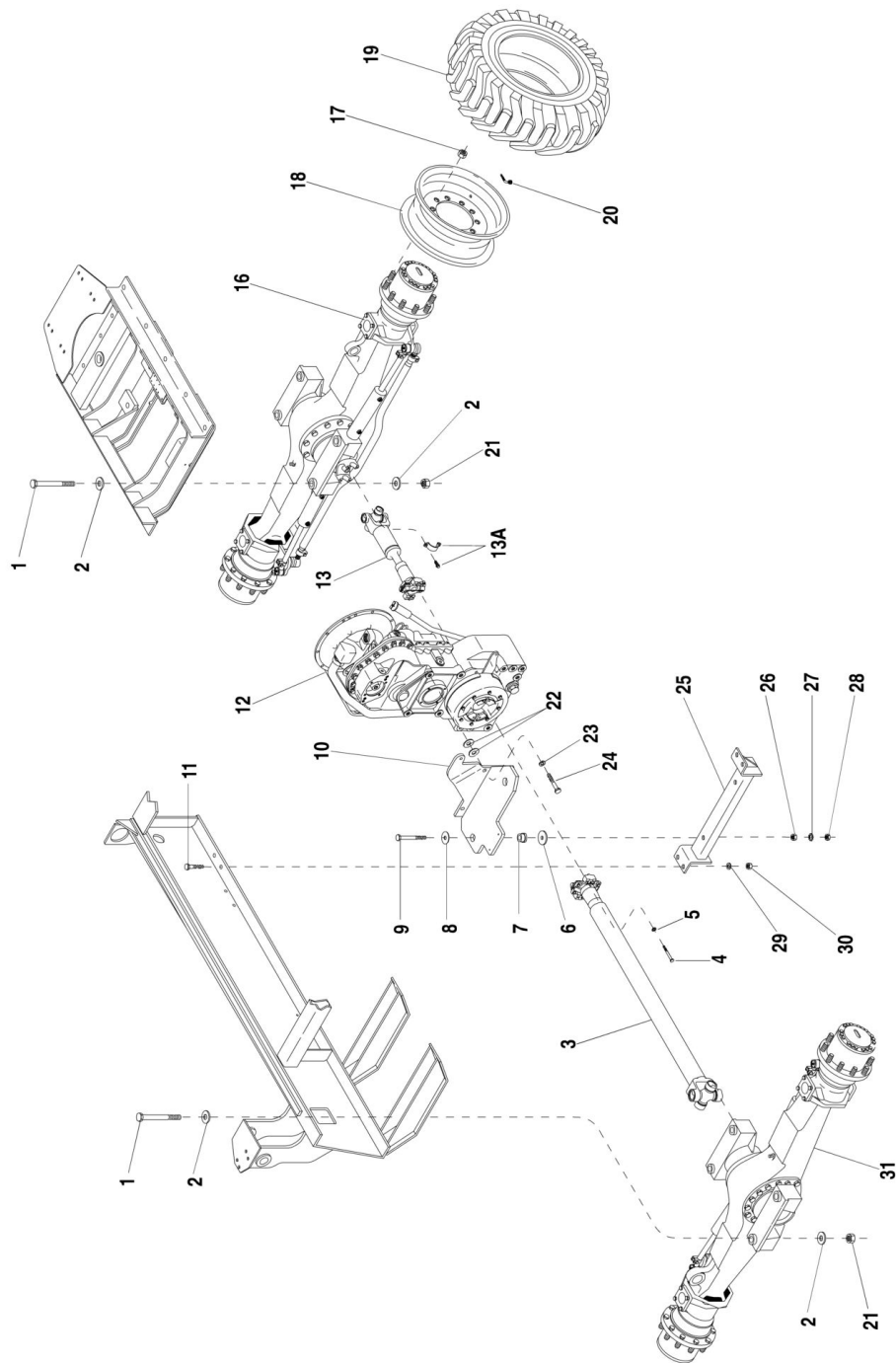
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**FIGURE 1-3. FRONT DRIVE SHAFT ASSEMBLY (1044C-42,10K-42,644B-37,644B-42,844C-42,8K-42)
(644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 844C-42 SN 101 to Present; 1044C-42 SN
101 through 107; 6K-37 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 through 106)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	35351B	1	Drive Shaft Assembly, Front	
2	P18749	2	Universal Joint Kit (Includes Item 3)	
3	P16611	1	Grease Fitting	
4	N.S.S.	1	Tube Weldment	
5	P92020	1	Yoke, Slip (Includes Items 6-10)	
6	P18743	1	Cap, Dust	
7	P18742	2	Washer, Steel	
8	P18741	1	Washer, Felt	
9	P92019	1	Relief Valve	
10	P15272	1	Grease Fitting, 1/8in NPT	
11	P01359	8	Starwasher, 3/8in	
12	P00281	8	Capscrew, Hx, 3/8in-24 x 1in GR 8	
		Ref	N.S.S. = Not Sold Separately	

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FIGURE 1-4. DRIVE TRAIN GROUP ASSEMBLY (1044C-42,1044C-54,10K-42,10K-54) (1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)



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FIGURE 1-4. DRIVE TRAIN GROUP ASSEMBLY (1044C-42,1044C-54,10K-42,10K-54) (1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)

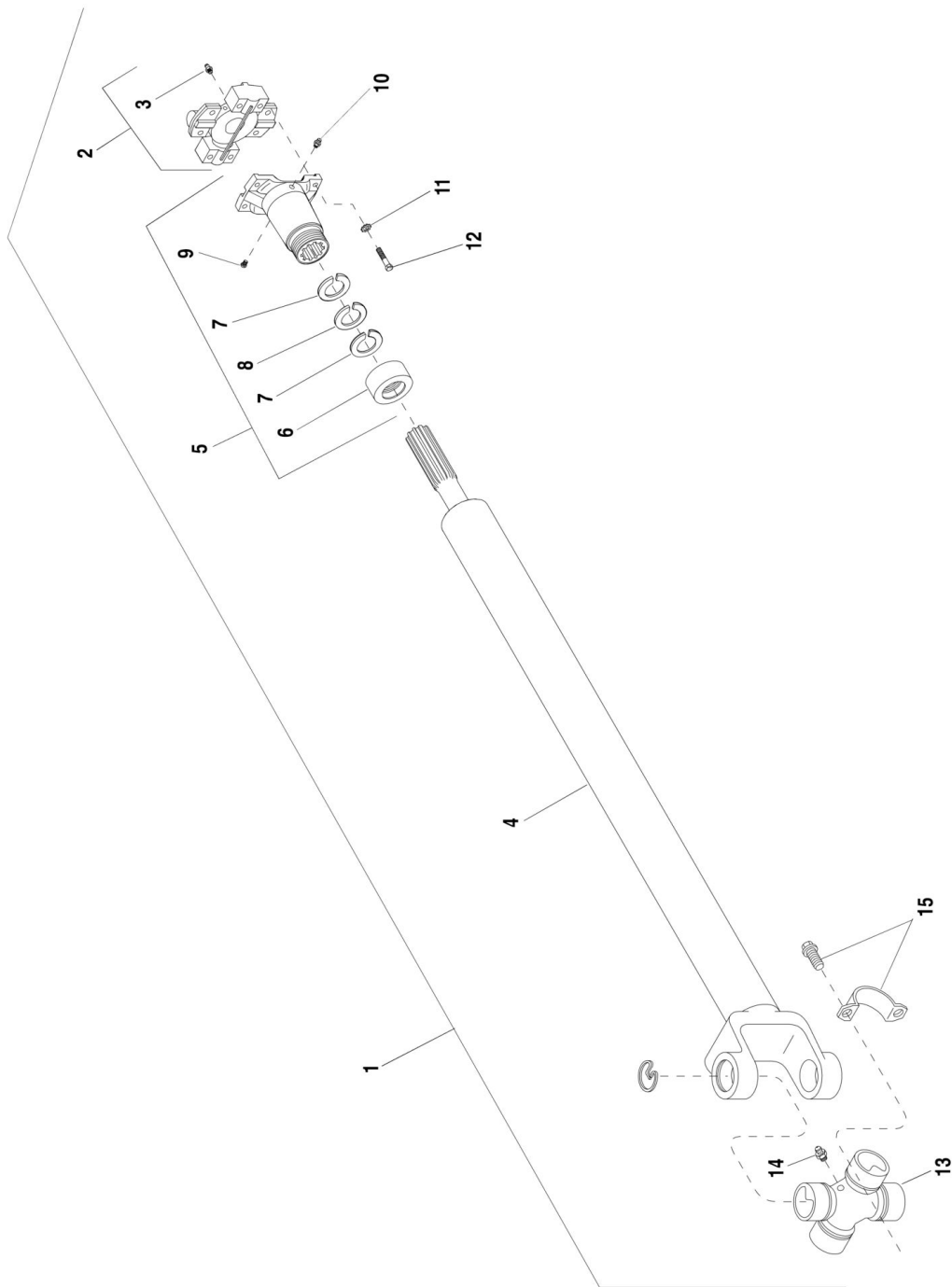
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P00941	8	Capscrew, Hx, 1in-8 x 7in GR 8	
2	P01259	16	Flatwasher, 1in SAE - Hardened	
3	38863B	1	Drive Shaft, Front (Includes Items 3A, 4, 5) (See FRONT DRIVE SHAFT ASSEMBLY for Breakdown) (Note: Use 35351B for (1044C-42 S/N 101 through 107; 10K-42 S/N 101 through 106))	
3A	37442X	1	Strap Kit (Note: Not Illustrated)	
4	P00284	4	Capscrew, Hx, 3/8in-24 x 1 3/4in GR 8	
5	P01359	4	Starwasher, 3/8in	
6	38112A	2	Spacer (Note: Not Required with Cummins Engines)	
7	P32961	2	Rubber Mount, Transmission	
8	15616A	2	Snubbing Washer	
9	P00694	2	Capscrew, Hx, 5/8in-18 x 5 1/2in GR 8	
10	38777B	1	Transmission Mount (Note: Use 36938B for (1044C-42 S/N 101 through 106; 1044C-54 S/N 101 through 102; 10K-42 S/N 101 through 106))	
11	P00604	4	Capscrew, Hx, 5/8in-11 x 2in	
12	66029A	1	Transmission, 4 Speed (Replaces 38370A) (See CONVERTER & FLEX PLATE (4WG 100 for Breakdown)	
13	38864B	1	Drive Shaft, Rear (Includes Items 13A, 14, 15) (See REAR DRIVE SHAFT ASSEMBLY for Breakdown) (Note: Use 36878B for (1044C-42 S/N 101 through 107; 10K-42 S/N 101 through 106))	
13A	37442X	1	Strap Kit	
14	P00284	4	Capscrew, Hx, 3/8in-24 x 1 3/4in GR 8 (Note: Not Illustrated)	
15	P01359	4	Starwasher, 3/8in (Note: Not Illustrated)	
16	38845A	1	Axle, Rear (Includes Item 17) (See DIFFERENTIAL CARRIER ASSEMBLY - FRONT AXLE (PS 8036) for Breakdown) (Note: Use 38440A for (1044C-42 S/N 101 through 107; 10K-42 S/N 101 through 106))	
17	P13894	Ref	Lug Nut	
18	65717B	4	Wheel, (9 x 24) Rim	
18	39538B	-	Wheel, (10 x 24) Rim (Includes Items 18A-18C) (Replaces 36544B)	
18A	P26047	4	Flange (10 x 24) (Note: Not Illustrated)	
18B	P26048	4	Lock Ring (10 x 24) (Note: Not Illustrated)	
18C	P16441	4	O-Ring (Note: Not Illustrated)	
19	P31218	4	Tire, 14.00 x 24 12 Ply	
19	P27330	-	Tire, 14.00 x 24 12 Ply Steel Belted Radial	
19	P29147	-	Tire, 14.00 x 24 12 Ply Steelguard	
19	P31229	-	Tire, 14.00 x 24 16 Ply	
20	P13673	4	Valve Stem	
21	P01209	8	Nut Hx, 1in-8 GR 8	
22	10731325	8	Washer, Flat, 77 I.D. x 1.31O.D x .05 THK	
23	P04613	4	Lockwasher, M20	
24	10704352	4	Capscrew, Hx, M20-2.5 x 40mm C8.8	
25	66854A	1	Support Mount, Transmission (Replaces 36935A)	
26	P01535	2	Nut Hx, 5/8in-18	
27	P01363	2	Starwasher, 5/8in	
28	P01585	3	Jam Nut, Hx, 5/8in-18	
29	P01314	4	Lockwasher, 5/8in	
30	P01512	4	Nut Hx, 5/8in-11	
31	38844A	1	Axle, Front (Includes Item 17) (See DIFFERENTIAL CARRIER ASSEMBLY - FRONT AXLE (PS 8036) for Breakdown) (Note: Use	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
32		Ref	38439A for (1044C-42 S/N 101 through 107; 10K-42 S/N 101 through 106)) For Models (1044C-54SP) Equipped with Dry Disc Brakes, Use the Following Items:	
16	39331A	1	Axle, Rear (Includes Item 17) (See DIFFERENTIAL CARRIER ASSEMBLY - FRONT AXLE (PS 8036) for Breakdown) (Note: Not Illustrated)	
18	39480B	4	Wheel, Rim (14 x 25)	
18A	P21118	4	Band, Bead Seat (Note: Not Illustrated)	
18B	P21119	4	Side Ring (Note: Not Illustrated)	
18C	P21120	4	Lock Ring (Note: Not Illustrated)	
18D	P21121	4	O-Ring (Note: Not Illustrated)	
19	P31218	-	Tire, 14.00 x 24 12 Ply	
20	P13673	4	Valve Stem	
30	38439A	1	Axle, Front (Includes Item 17) (See DIFFERENTIAL CARRIER ASSEMBLY - FRONT AXLE (PS 8036) for Breakdown) (Note: Not Illustrated)	

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FIGURE 1-5. FRONT DRIVE SHAFT ASSEMBLY (1044C-42,1044C-54,10K-42,10K-54) (1044C-42 SN 108 to Present; 1044C-54 SN 101 to Present; 10K-42 SN 107 to Present; 10K-54 SN 101 to Present)



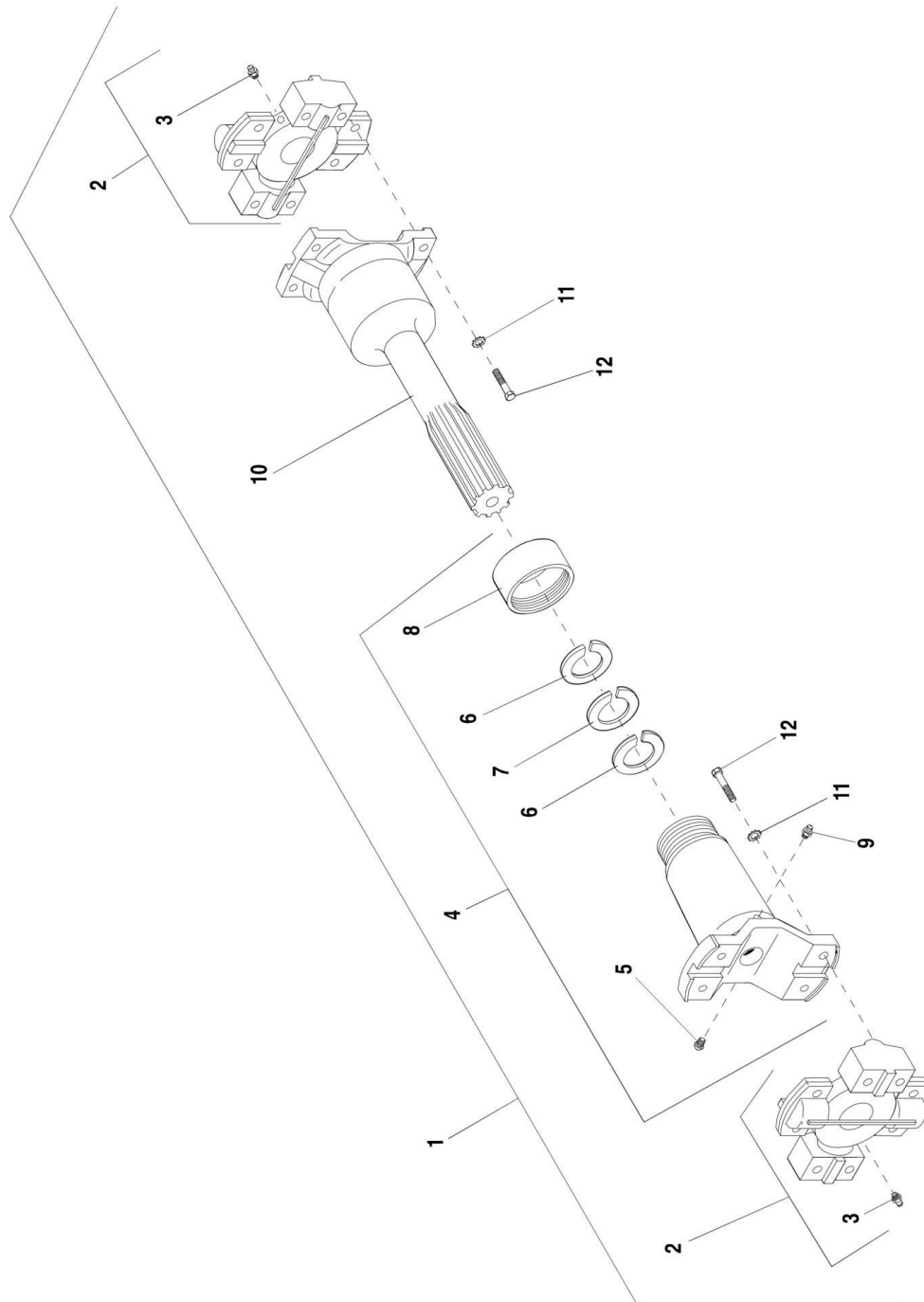
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FIGURE 1-5. FRONT DRIVE SHAFT ASSEMBLY (1044C-42,1044C-54,10K-42,10K-54) (1044C-42 SN 108 to Present; 1044C-54 SN 101 to Present; 10K-42 SN 107 to Present; 10K-54 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	38863B	1	Drive Shaft Assembly, Front	
2	P18749	1	Universal Joint Kit (Includes Item 3)	
3	P16611	1	Grease Fitting	
4	N.S.S.	1	Tube Weldment	
5	P92020	1	Yoke, Slip (Includes Items 6-10)	
6	P18743	1	Cap, Dust	
7	P18742	2	Washer, Steel	
8	P18741	1	Washer, Felt	
9	P92019	1	Relief Valve	
10	P15272	1	Grease Fitting, 1/8in NPT	
11	P01359	4	Starwasher, 3/8in	
12	P00281	4	Capscrew, Hx, 3/8in-24 x 1in GR 8	
13	P11694	1	Universal Joint Kit (Includes Item 14)	
14	P16611	1	Grease Fitting	
15	37442X	1	Strap Kit	
		Ref	N.S.S. = Not Sold Separately	

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FIGURE 1-6. REAR DRIVE SHAFT ASSEMBLY (1044C-42,10K-42,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 844C-42 SN 101 to Present; 1044C-42 SN 101 through 107; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 through 106)



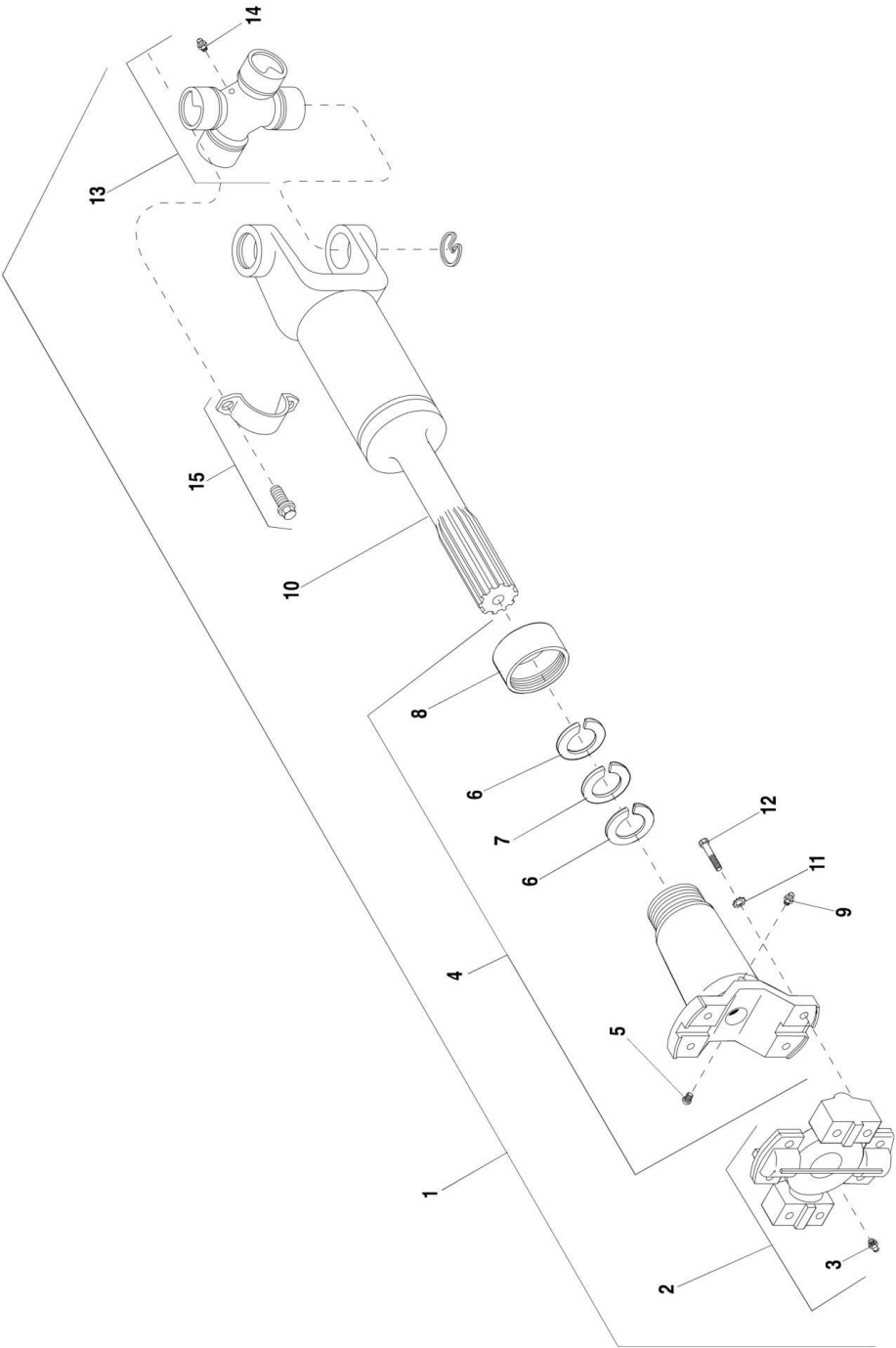
SECTION 1 - DRIVE TRAIN

FIGURE 1-6. REAR DRIVE SHAFT ASSEMBLY (1044C-42,10K-42,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 844C-42 SN 101 to Present; 1044C-42 SN 101 through 107; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 through 106)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	36878B	1	Drive Shaft Assembly, Rear	
2	P18749	2	Universal Joint Kit (Includes Item 3)	
3	P16611	1	Grease Fitting	
4	P92020	1	Yoke, Slip (Includes Items 5-9)	
5	P92019	1	Relief Valve	
6	P18742	2	Washer, Steel	
7	P18741	1	Washer, Felt	
8	P18743	1	Cap, Dust	
9	P15272	1	Grease Fitting, 1/8in NPT	
10	N.S.S.	1	Tube Weldment	
11	P01359	8	Starwasher, 3/8in	
12	P00281	8	Capscrew, Hx, 3/8in-24 x 1in GR 8	
		Ref	N.S.S. = Not Sold Separately	

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FIGURE 1-7. REAR DRIVE SHAFT ASSEMBLY (1044C-42,1044C-54,10K-42,10K-54) (1044C-42 SN 108 to Present; 1044C-54 SN 101 to Present; 10K-42 SN 107 to Present; 10K-54 SN 101 to Present)



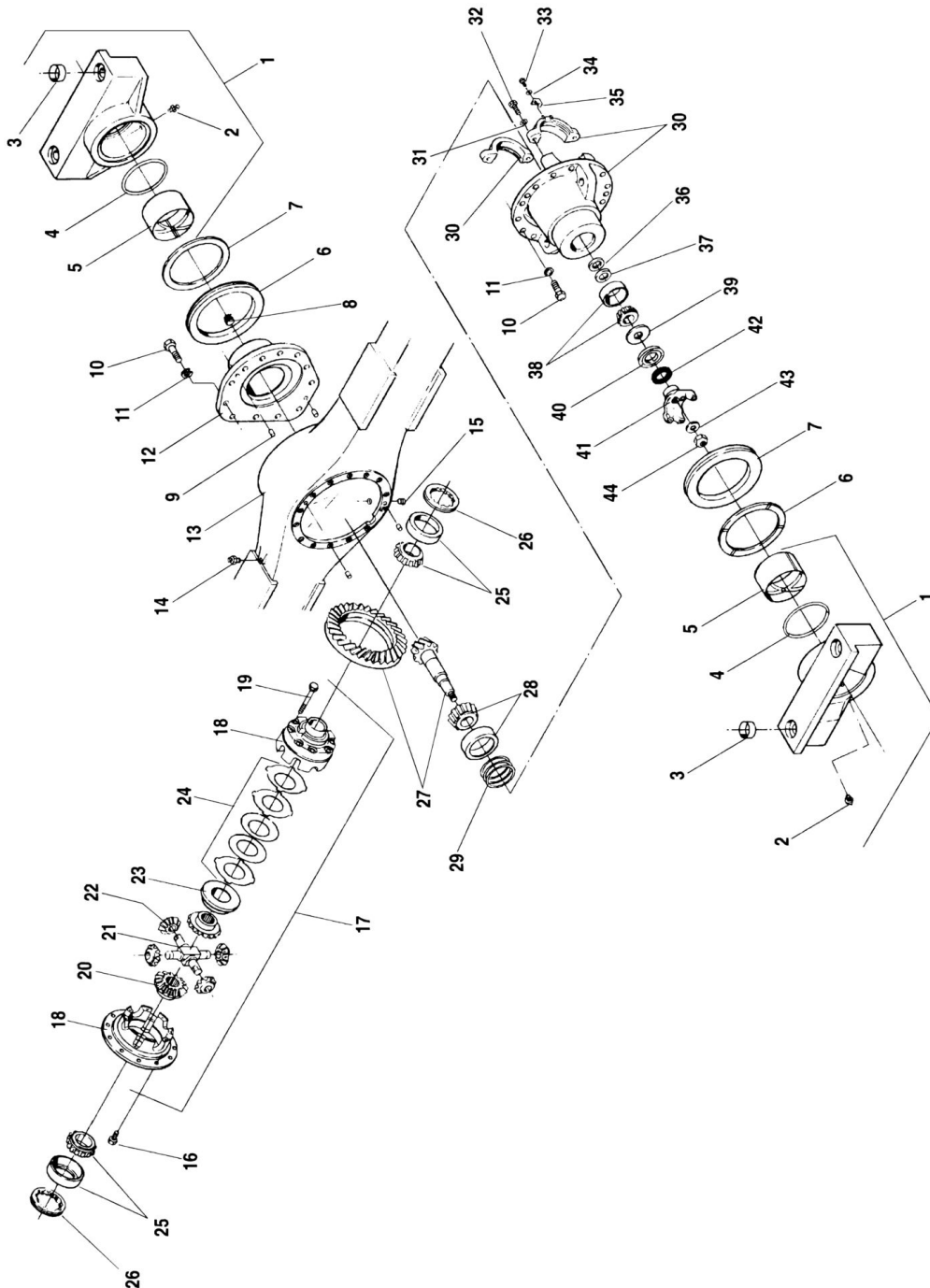
SECTION 1 - DRIVE TRAIN

FIGURE 1-7. REAR DRIVE SHAFT ASSEMBLY (1044C-42,1044C-54,10K-42,10K-54) (1044C-42 SN 108 to Present; 1044C-54 SN 101 to Present; 10K-42 SN 107 to Present; 10K-54 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	38864B	1	Drive Shaft Assembly, Rear	
2	P18749	1	Universal Joint Kit (Includes Item 3)	
3	P16611	1	Grease Fitting	
4	P92020	1	Yoke, Slip (Includes Items 5-9)	
5	P92019	1	Relief Valve	
6	P18742	2	Washer, Steel	
7	P18741	1	Washer, Felt	
8	P18743	1	Cap, Dust	
9	P15272	1	Grease Fitting, 1/8in NPT	
10	N.S.S.	1	Tube Weldment	
11	P01359	4	Starwasher, 3/8in	
12	P00281	4	Capscrew, Hx, 3/8in-24 x 1in GR 8	
13	P11694	1	Universal Joint Kit (Includes Item 14)	
14	P16611	1	Grease Fitting	
15	37442X	1	Strap Kit	
		Ref	N.S.S. = Not Sold Separately	

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FIGURE 1-8. DIFFERENTIAL CARRIER ASSEMBLY - FRONT AXLE (PS 7036) (1044C-42,10K-42,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 101 to Present; 844C-42 SN 101 to Present; 1044C-42 SN 101 through 107; 6K-37 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 through 106)



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FIGURE 1-8. DIFFERENTIAL CARRIER ASSEMBLY - FRONT AXLE (PS 7036) (1044C-42,10K-42,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 101 to Present; 844C-42 SN 101 to Present; 1044C-42 SN 101 through 107; 6K-37 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 through 106)

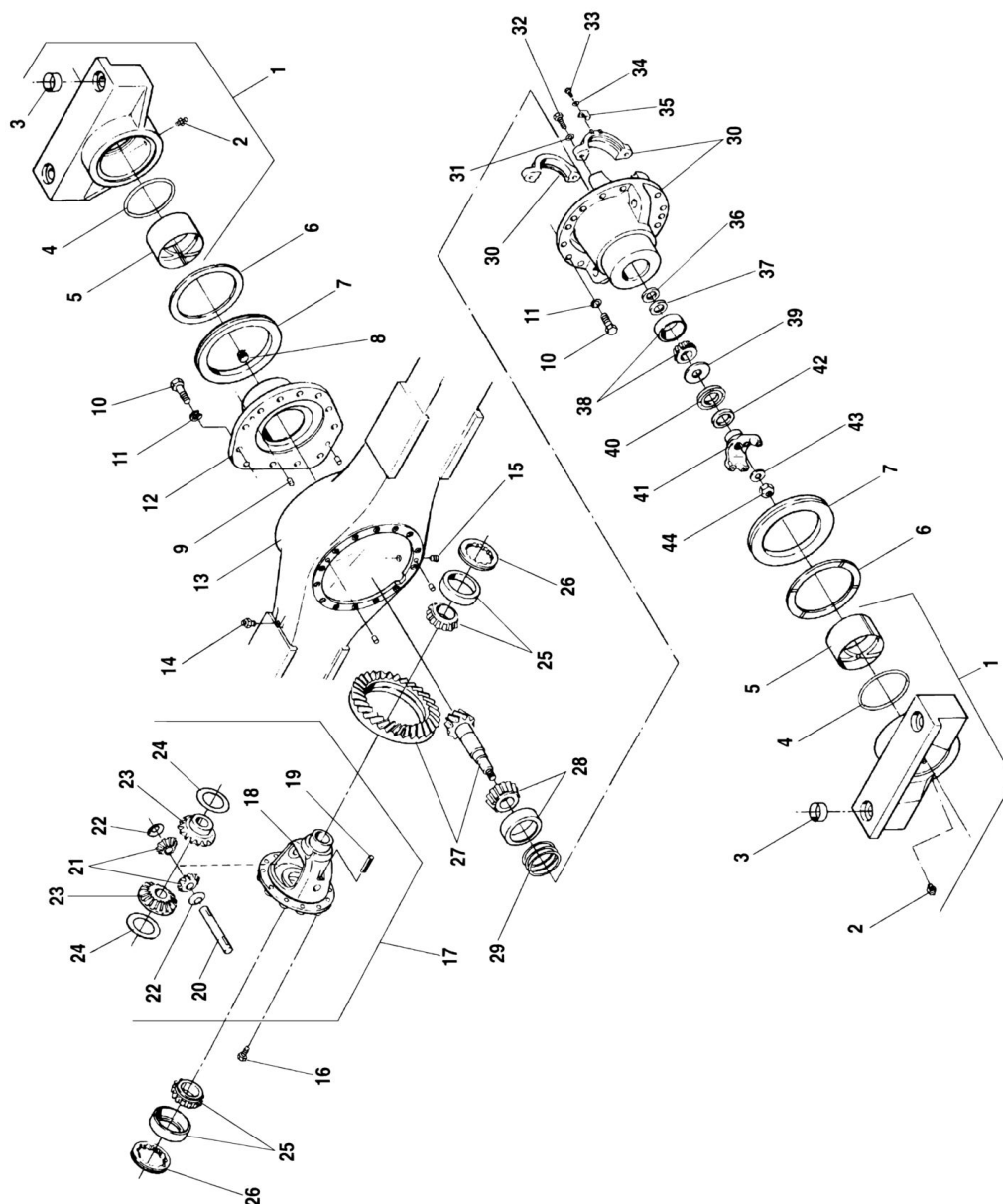
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P31521	2	Trunnion Bracket (Includes Items 2-5)	
2	P13786	1	Grease Fitting	
3	P31524	2	Locating Pin	
4	P31498	1	O-Ring	
5	P31495	1	Bushing	
6	P31496	2	Thrustwasher	
7	P31497	2	Oil Seal	
8	P19300	1	Plug, Pipe (Fill/Level)	
9	P31394	4	Dowel Pin	
10	P31376	26	Capscrew	
11	P31377	26	Flatwasher	
12	P32138	1	Cover, Trunnion (Note: For Models (644B-37 S/N 101 through 170; 6K-37 S/N 101 through 144; 844C-42 S/N 101 through 164; 8K-42 S/N 101 through 124), P31523)	
13	P32137	1	Housing, Axle (Note: For Models (644B-37 S/N 101 through 170; 6K-37 S/N 101 through 144; 844C-42 S/N 101 through 164; 8K-42 S/N 101 through 124), P31522)	
14	P13784	1	Vent	
15	P13780	1	Drain Plug	
16	P31393	12	Capscrew	
16	P32136	1	Carrier Ass'y - Limited Slip (Includes Items 17-44) (Note: For Models (644B-37 S/N 101 through 170; 6K-37 S/N 101 through 144; 844C-42 S/N 101 through 164; 8K-42 S/N 101 through 124), P31519)	
17	P31542	1	Differential Case (Includes Items 18-24)	
18	P31538	1	Housing, Case (Includes Item 19)	
19	P31545	8	Capscrew, Flange Hd	
20	P31398	2	Gear, Differential	
21	P31396	2	Cross Shaft	
22	P31397	4	Gear, Pinion	
23	P31539	2	Clutch Ring	
24	P31540	1	Disc and Friction Plate Kit	
25	P31385	2	Bearing	
26	P31386	2	Adjusting Ring	
27	P31536	1	Ring Gear and Pinion	
28	P31384	1	Bearing	
29	P31383	1	Shim Kit, Pinion Position	
30	P32976	1	Carrier Housing & Cap (Includes Items 31, 32) (Note: For Models (644B-37 S/N 101 through 170; 6K-37 S/N 101 through 144; 844C-42 S/N 101 through 164; 8K-42 S/N 101 through 124), P31520)	
31	P19306	4	Flatwasher	
32	P31379	4	Capscrew	
33	P19313	2	Capscrew	
34	P31381	2	Washer	
35	P31380	2	Clip, Adjusting Ring	
36	P31375	1	Spacer	
37	P31374	1	Shim Kit, Pinion Bearing Preload	
38	P31373	1	Bearing	
39	P31534	1	Thrustwasher	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
40	P31372	1	Oil Seal	
41	P31041	1	End Yoke	
42	P31369	1	Deflector	
43	P31367	1	Washer, Pinion Nut	
44	P31366	1	Nut, Pinion	

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FIGURE 1-9. DIFFERENTIAL CARRIER ASSEMBLY - REAR AXLE (PS 7036) (1044C-42,10K-42,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 844C-42 SN 101 to Present; 1044C-42 SN 101 through 107; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 through 106)



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FIGURE 1-9. DIFFERENTIAL CARRIER ASSEMBLY - REAR AXLE (PS 7036) (1044C-42,10K-42,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 844C-42 SN 101 to Present; 1044C-42 SN 101 through 107; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 through 106)

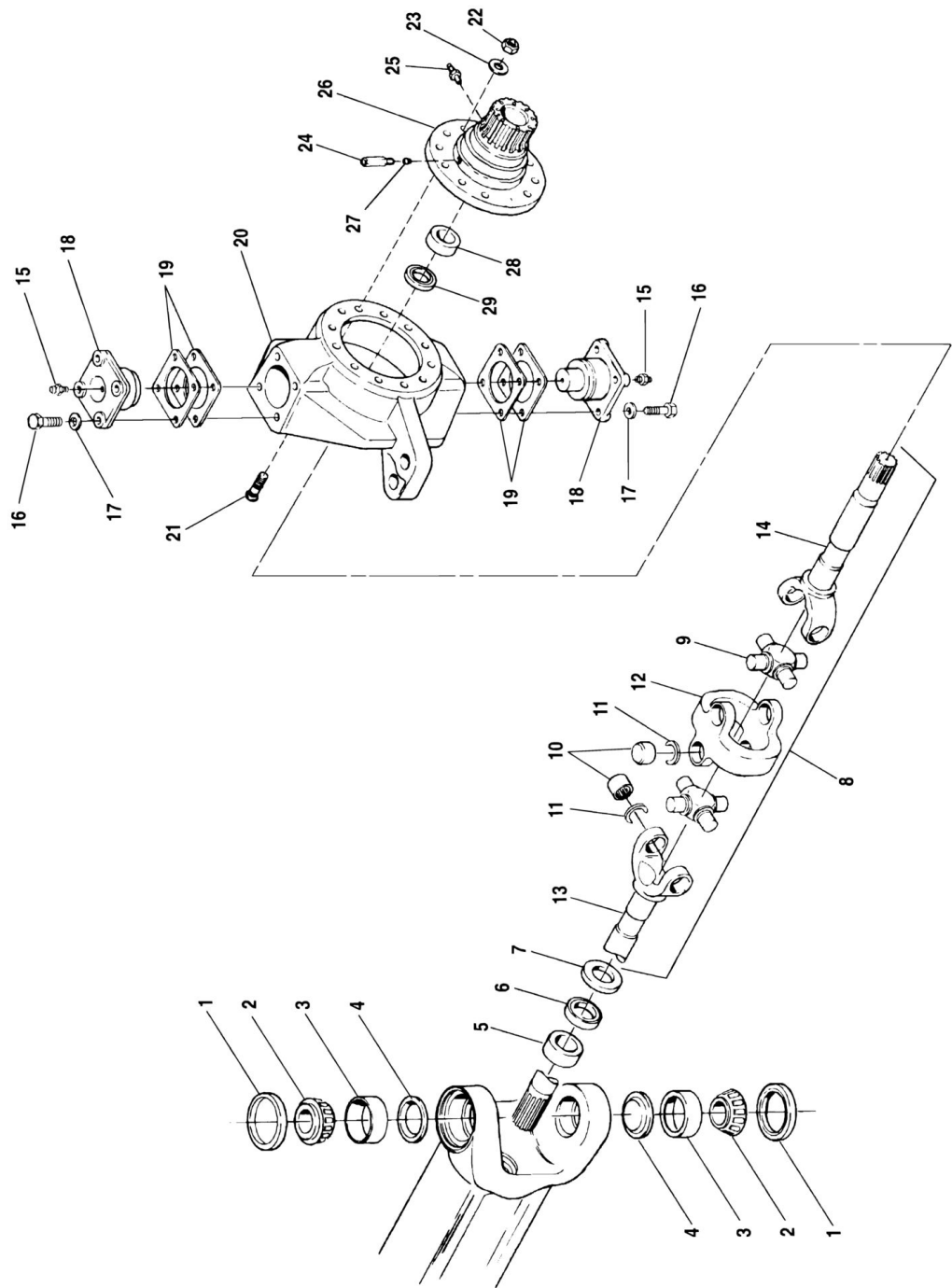
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P31521	2	Trunnion Bracket (Includes Items 2-5)	
2	P13786	1	Grease Fitting	
3	P31524	2	Locating Pin	
4	P31498	1	O-Ring	
5	P31495	1	Bushing	
6	P31496	2	Thrustwasher	
7	P31497	2	Oil Seal	
8	P19300	1	Plug, Pipe (Fill/Level)	
9	P31394	4	Dowel Pin	
10	P31376	26	Capscrew	
11	P31377	26	Flatwasher	
12	P32969	1	Cover, Trunnion (Note: For Models (644B-37 S/N 101 through 170; 6K-37 S/N 101 through 144; 844C-42 S/N 101 through 164; 8K-42 S/N 101 through 124), P31523)	
13	P32939	1	Housing, Axle (Note: For Models (644B-37 S/N 101 through 170; 6K-37 S/N 101 through 144; 844C-42 S/N 101 through 164; 8K-42 S/N 101 through 124), P31522)	
14	P13784	1	Vent	
15	P13780	1	Drain Plug	
16	P31393	12	Capscrew	
16	P32135	1	Carrier Ass'y - Standard (Includes Items 17-44) (Note: For Models (644B-37 S/N 101 through 170; 6K-37 S/N 101 through 144; 844C-42 S/N 101 through 164; 8K-42 S/N 101 through 124), P31518)	
17	P31546	1	Differential Case (Includes Items 18-24)	
18	P31537	1	Housing, Case	
19	P31392	1	Roll Pin	
20	P31387	1	Cross Pin	
21	P31388	2	Gear, Pinion	
22	P31389	2	Thrustwasher, Pinion	
23	P31390	2	Gear, Differential	
24	P31391	2	Thrustwasher, Gear	
25	P31385	2	Bearing	
26	P31386	2	Adjusting Ring	
27	P31536	1	Ring Gear and Pinion	
28	P31384	1	Bearing	
29	P31383	1	Shim Kit, Pinion Position	
30	P32976	1	Carrier Housing & Cap (Includes Items 31, 32) (Note: For Models (644B-37 S/N 101 through 170; 6K-37 S/N 101 through 144; 844C-42 S/N 101 through 164; 8K-42 S/N 101 through 124), P31520)	
31	P19306	4	Flatwasher	
32	P31379	4	Capscrew	
33	P19313	2	Capscrew	
34	P31381	2	Washer	
35	P31380	2	Clip, Adjusting Ring	
36	P31375	1	Spacer	
37	P31374	1	Shim Kit, Pinion Bearing Preload	
38	P31373	1	Bearing	
39	P31534	1	Thrustwasher	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
40	P31372	1	Oil Seal	
41	P31041	1	End Yoke	
42	P31369	1	Deflector	
43	P31367	1	Washer, Pinion Nut	
44	P31366	1	Nut, Pinion	

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FIGURE 1-10. STEER AXLE SHAFTS AND KNUCKLE ASSEMBLY (PS 7036) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 101 through 1261; 644B-42 SN 101 to Present; 6K-37 SN 101 to Present; 6K-42 SN 101 through 226)



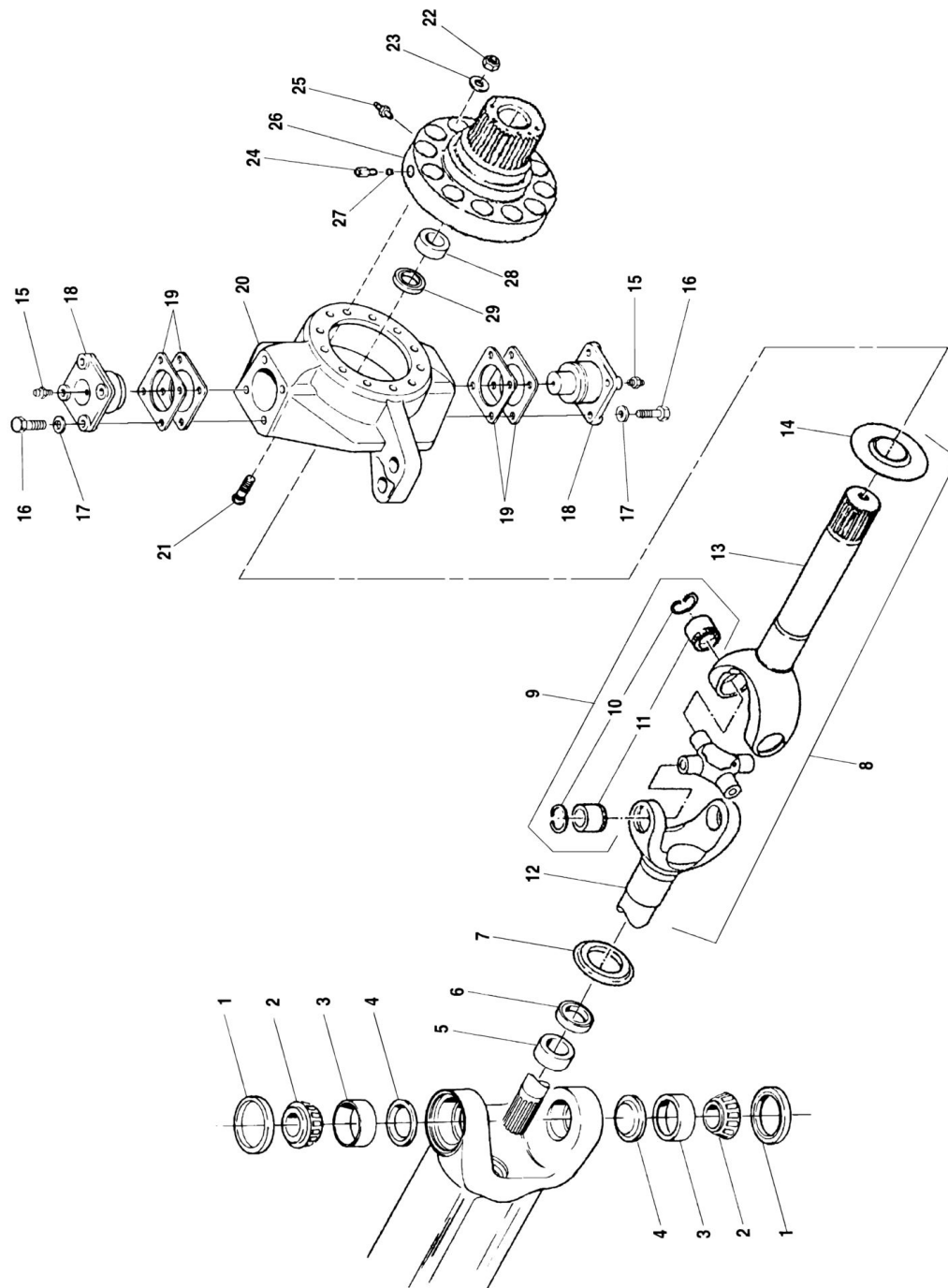
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FIGURE 1-10. STEER AXLE SHAFTS AND KNUCKLE ASSEMBLY (PS 7036) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 101 through 1261; 644B-42 SN 101 to Present; 6K-37 SN 101 to Present; 6K-42 SN 101 through 226)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P26801	4	Seal, Grease	
2	P25149	4	Bearing Cone	
3	P25148	4	Bearing Cup	
4	P26802	4	Retainer, Grease	
5	P31342	2	Bushing, Inner Shaft	
6	P31341	2	Seal, Inner Housing	
7	P31544	2	Seal, Outer Housing	
8	P31344	1	Axle Shaft Assembly - Right Front, Left Rear 45.96in (116.7 cm) Long (Includes Items 9-14)	
8	8032951	1	Axle Shaft Assy, Left Front, Right Rear 44.79" (113.8 cm) Long, (includes items 9-14), (not illustrated)	
9	P31508	4	Cross and Bearing (Includes Items 10, 11)	
10	P31509	16	Bearing Race	
11	P31510	16	Snap Ring	
12	P31511	2	Yoke, Center	
13	P31513	1	Shaft, Inner - Right Front, Left Rear 29.51in (75.0 cm) Long	
13	P31512	1	Shaft, Inner - Left Front, Right Rear 28.34in (72.0 cm) Long (Note: Not Illustrated)	
14	P31507	2	Shaft, Outer	
15	P15272	4	Grease Zerk	
16	P31376	16	Capscrew	
17	P31377	16	Flatwasher	
18	P26804	4	Cap, King Pin	
19	P13838	AR	Shim -.002in (.05 mm)	
19	P13839	AR	Shim -.005in (.13 mm)	
19	P13840	AR	Shim -.010in (.25 mm)	
20	P31532	1	Knuckle Assembly - Right Front, Left Rear (Includes Item 21)	
20	P31531	1	Knuckle Assembly - Left Front, Right Rear (Includes Item 21) (Note: Not Illustrated)	
21	P31514	24	Stud, Spindle Mounting	
22	P25165	24	Locknut	
23	P31547	24	Flatwasher	
24	P31339	2	Bleed Screw (Long Hex)	
25	P31338	2	Hydraulic Fitting, Brake (Long Hex)	
26	P32143	2	Spindle Assembly (Includes Items 27, 28) (Note: Use P31529 for the following Machine(s): (644B-37 S/N 101 through 462; 644B-42 S/N 101 through 133; 6K-37 S/N 101 through 236; 6K-42 S/N 101 through 109))	
27	P26826	4	Seat, Insert	
28	P31364	2	Bushing, Spindle	
29	P31345	2	Seal, Spindle	

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FIGURE 1-11. STEER AXLE SHAFTS AND KNUCKLE ASSEMBLY (PS 7036) (1044C-42,10K-42,644B-42,6K-42,844C-42,8K-42) (644B-42 SN 1262 to Present; 844C-42 SN 101 to Present; 1044C-42 SN 101 through 107; 6K-42 SN 227 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 through 106)



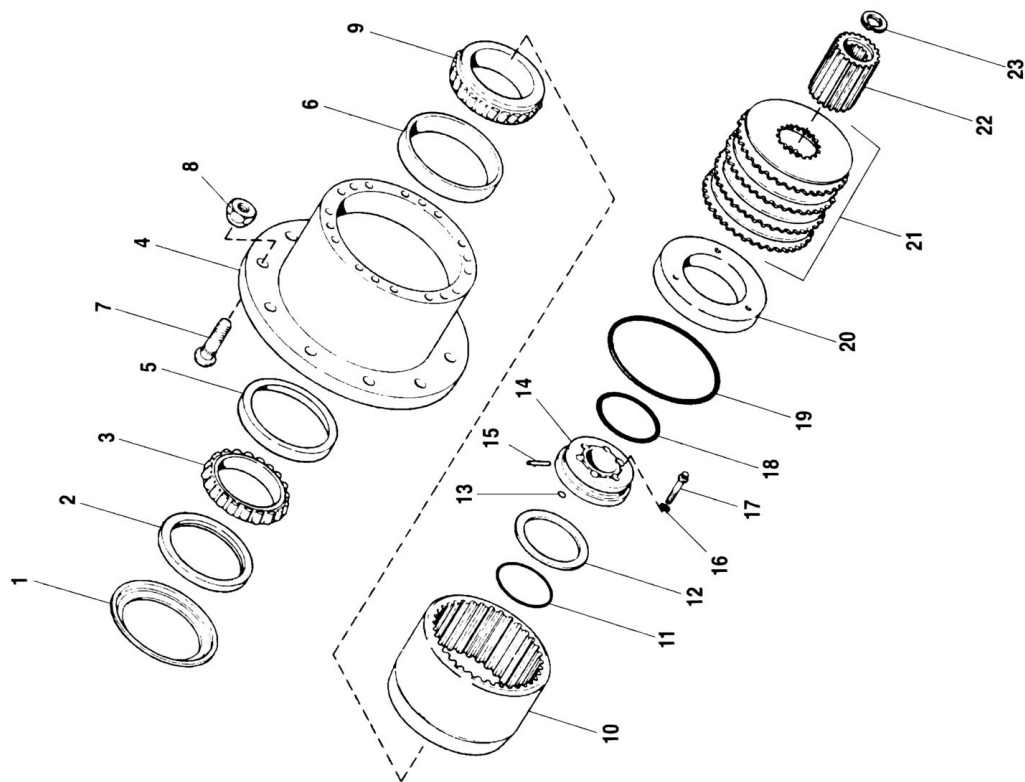
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FIGURE 1-11. STEER AXLE SHAFTS AND KNUCKLE ASSEMBLY (PS 7036) (1044C-42,10K-42,644B-42,6K-42,844C-42,8K-42) (644B-42 SN 1262 to Present; 844C-42 SN 101 to Present; 1044C-42 SN 101 through 107; 6K-42 SN 227 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 through 106)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P26801	4	Seal, Grease	
2	P25149	4	Bearing Cone	
3	P25148	4	Bearing Cup	
4	P26802	4	Retainer, Grease	
5	P32968	2	Bushing, Inner Shaft	
6	P32965	2	Oil Seal	
7	P26847	2	Dust Slinger, Inner	
8	P32946	1	Axle Shaft Assembly - Right Front, Left Rear 46.18in (117.3 cm) Long (Includes Items 9-14)	
8	P32945	1	Axle Shaft Assembly - Left Front, Right Rear 44.93in (114.1 cm) Long (Includes Items 9-14) (Note: Not Illustrated)	
9	P26175	2	Cross and Bearing (Includes Items 10, 11)	
10	P32973	8	Snap Ring	
11	P32972	8	Bearing Race	
12	P32948	1	Shaft, Inner - Right Front, Left Rear 31.50in (80.0 cm) Long	
12	P32947	1	Shaft, Inner - Left Front, Right Rear 30.25in (76.8 cm) Long (Note: Not Illustrated)	
13	P32967	2	Shaft, Outer	
14	P26846	2	Dust Slinger, Outer	
15	P15272	4	Grease Zerk	
16	P31376	16	Capscrew	
17	P31377	16	Flatwasher	
18	P26804	4	Cap, King Pin	
19	P13838	AR	Shim -.002in (.05 mm)	
19	P13839	AR	Shim -.005in (.13 mm)	
19	P13840	AR	Shim -.010in (.25 mm)	
20	P31532	1	Knuckle Assembly - Right Front, Left Rear (Includes Item 21)	
20	P31531	1	Knuckle Assembly - Left Front, Right Rear (Includes Item 21) (Not Illustrated)	
21	P31514	24	Stud, Spindle Mounting	
22	P25165	24	Locknut	
23	P31547	24	Flatwasher	
24	P25111	2	Bleed Screw	
25	P24991	2	Hydraulic Fitting, Brake	
26	P32937	2	Spindle Assembly (Includes Items 27, 28)	
27	P26826	4	Seat, Insert	
28	P13872	2	Bushing, Spindle	
29	8033803	2	Seal, Spindle	

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FIGURE 1-12. WHEEL END ASSEMBLY - WITH WET DISC BRAKES (PS 7036) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 101 to Present; 644B-42 SN 101 through 1261; 6K-37 SN 101 to Present; 6K-42 SN 101 through 226)



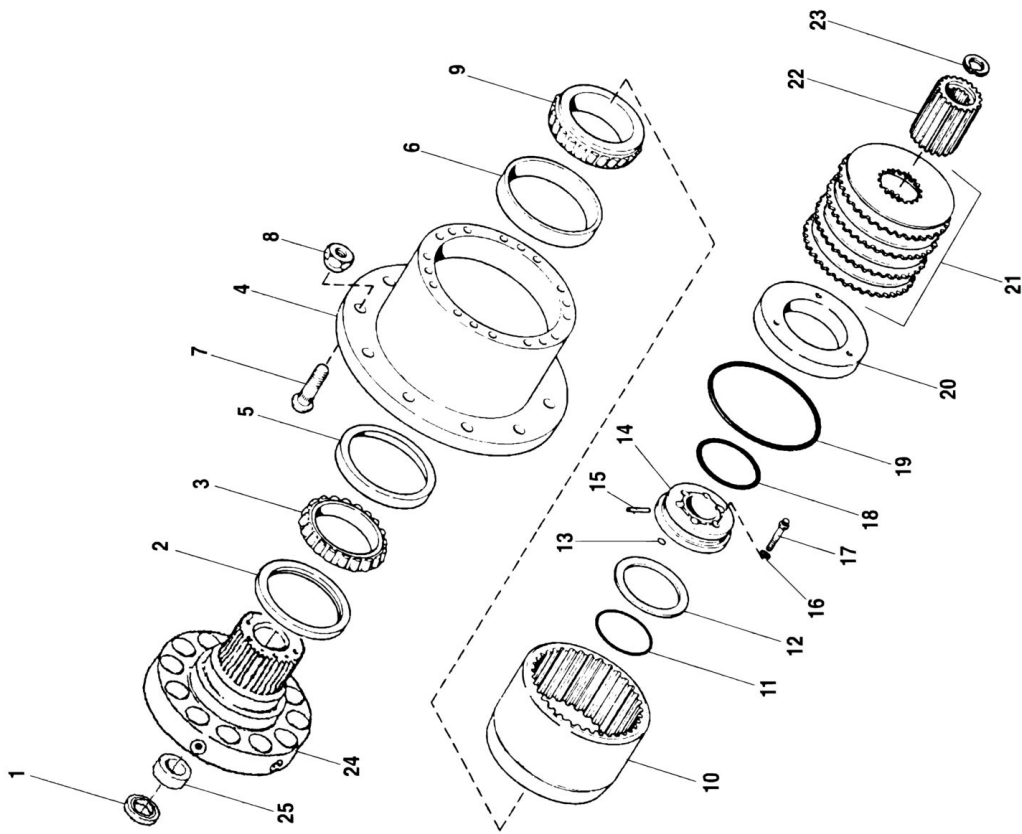
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FIGURE 1-12. WHEEL END ASSEMBLY - WITH WET DISC BRAKES (PS 7036) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 101 to Present; 644B-42 SN 101 through 1261; 6K-37 SN 101 to Present; 6K-42 SN 101 through 226)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	P32142	2	Wheel End Assembly (Replaces P31500) (Includes Items 1-23, P26155 Drive Flange Ass'y/ See DRIVE FLANGE ASSEMBLY - Item 2 & P32143 Spindle Ass'y/ See STEER AXLE SHAFTS & KNUCKLE ASSEMBLY- Item 26)	
1	P31357	2	Deflector, Seal	
2	P31356	2	Oil Seal	
3	P26177	2	Bearing Cone	
4	P31528	2	Hub Assembly (Includes Items 5-7)	
5	P26176	2	Bearing Cup	
6	P26178	2	Bearing Cup	
7	P13888	20	Stud, Wheel	
8	P13894	20	Nut, Wheel	
9	P26179	2	Bearing Cone	
10	P26813	2	Ring Gear, Planetary	
11	P26841	2	O-Ring	
12	P26873	AR	Shim -.010in (.25 mm)	
12	P26172	AR	Shim -.011in (.28 mm)	
12	P26173	AR	Shim -.012in (.30 mm)	
12	P26166	AR	Shim -.013in (.33 mm)	
12	P26167	AR	Shim -.014in (.36 mm)	
12	P26168	AR	Shim -.015in (.38 mm)	
12	P26874	AR	Shim -.020in (.51 mm)	
12	P26875	AR	Shim -.030in (.76 mm)	
13	P26838	4	O-Ring	
14	P32970	2	Bearing Retainer, (Includes Item 15) (Note: For Models (644B-37 S/N 101 through 462; 644B-42 S/N 101 through 133; 6K-37 S/N 101 through 236; 6K-42 S/N 101 through 109), P32975)	
15	P26816	2	Tube, Breather	
16	P32964	12	Flatwasher, 1/2in (Note: Not Required)	
17	P32963	12	Capscrew, 12 Point Hd, 1/2in Dia (Note: For Models (644B-37 S/N 101 through 462; 644B-42 S/N 101 through 133; 6K-37 S/N 101 through 236; 6K-42 S/N 101 through 109) P26821)	
18	P26834	2	O-Ring	
19	P26828	2	O-Ring	
20	P26825	2	Piston	
21	P32974	2	Friction Disc and Stationary Plate Kit	
22	P31358	2	Sun Gear	
23	P31363	2	Snap Ring	
Ref	P26808	2	Seal Kit (Includes Items 11, 13, 18, 19)	
Ref	P26720	2	Brake Friction Additive - 4 oz Bottle	

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FIGURE 1-13. WHEEL END ASSEMBLY - WITH WET DISC BRAKES (PS 7036) (1044C-42,10K-42,644B-42,6K-42,844C-42,8K-42) (644B-42 SN 1262 to Present; 844C-42 SN 101 to Present; 1044C-42 SN 101 through 107; 6K-42 SN 227 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 through 106)



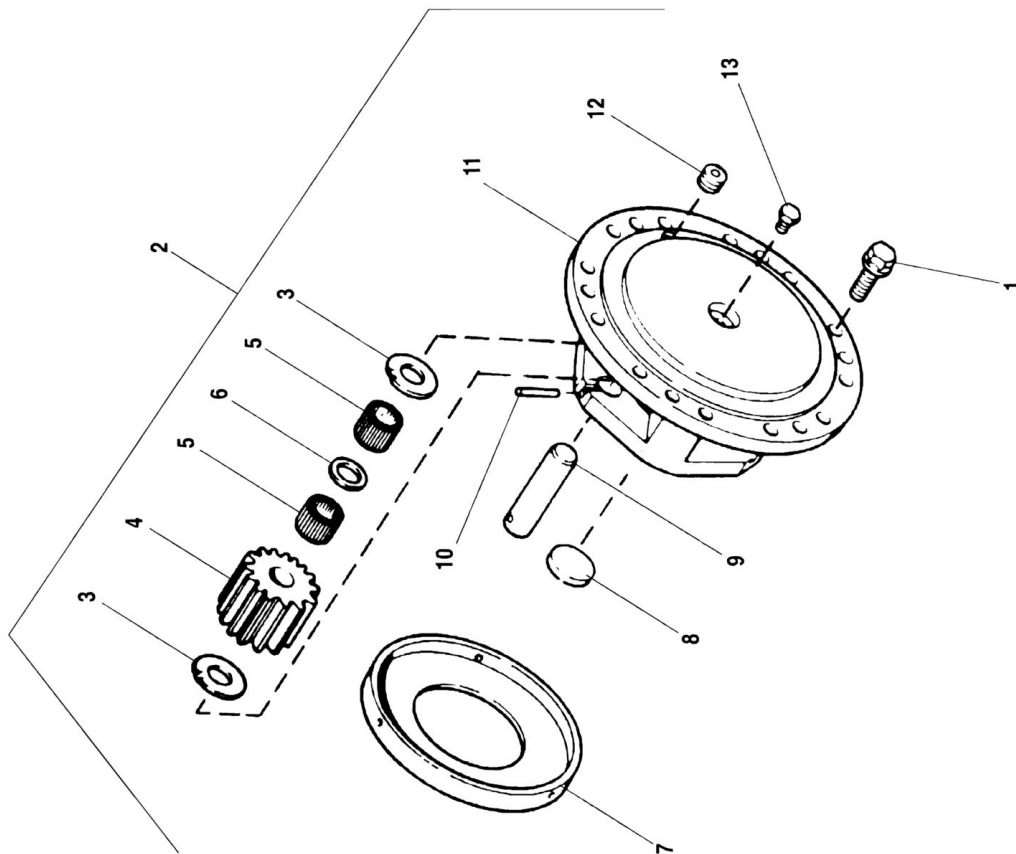
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FIGURE 1-13. WHEEL END ASSEMBLY - WITH WET DISC BRAKES (PS 7036) (1044C-42,10K-42,644B-42,6K-42,844C-42,8K-42) (644B-42 SN 1262 to Present; 844C-42 SN 101 to Present; 1044C-42 SN 101 through 107; 6K-42 SN 227 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 through 106)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	P32938	2	Wheel End Assembly (Includes Items 1-26, and P26155 Drive Flange Ass'y/See DRIVE FLANGE ASSEMBLY for Breakdown)	
1	8033803	2	Oil Seal, Spindle	
2	P26820	2	Oil Seal, Hub	
3	P26177	2	Bearing Cone	
4	P26156	2	Hub Assembly (Includes Items 5-7)	
5	P26176	2	Bearing Cup	
6	P26178	2	Bearing Cup	
7	P13888	20	Stud, Wheel	
8	P13894	20	Nut, Wheel	
9	P26179	2	Bearing Cone	
10	P26813	2	Ring Gear, Planetary	
11	P26841	2	O-Ring	
12	P26873	AR	Shim -.010in	
12	P26172	AR	Shim -.011in	
12	P26173	AR	Shim -.012in	
12	P26166	AR	Shim -.013in	
12	P26167	AR	Shim -.014in	
12	P26168	AR	Shim -.015in	
12	P26874	AR	Shim -.020in	
12	P26875	AR	Shim -.030in	
13	P26838	4	O-Ring	
14	P32970	2	Bearing Retainer, (Includes Item 15)	
15	P26816	2	Tube, Breather	
16	P32964	12	Flatwasher	
17	P32963	12	Capscrew, 12 Point Hd	
18	P26834	2	O-Ring	
19	P26828	2	O-Ring	
20	P26825	2	Piston	
21	P32974	2	Friction Disc and Stationary Plate Kit	
22	P26827	2	Sun Gear	
23	P13783	2	Snap Ring	
24	P32937	2	Spindle Assembly (Includes Items 25, 26)	
25	P13872	2	Bushing, Spindle	
26	P26826	4	Seat, Insert (Note: Not Illustrated)	
Ref	P26808	2	Seal Kit (Includes Items 11, 13, 18, 19)	
Ref	P26720	2	Brake Friction Additive - 4 oz Bottle	
		Ref	NOTES:	
		Ref	1. All quantities are for one complete Axle Assembly.	

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FIGURE 1-14. DRIVE FLANGE ASSEMBLY (PS 7036) (1044C-42,10K-42,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 844C-42 SN 101 to Present; 1044C-42 SN 101 through 107; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 through 106)



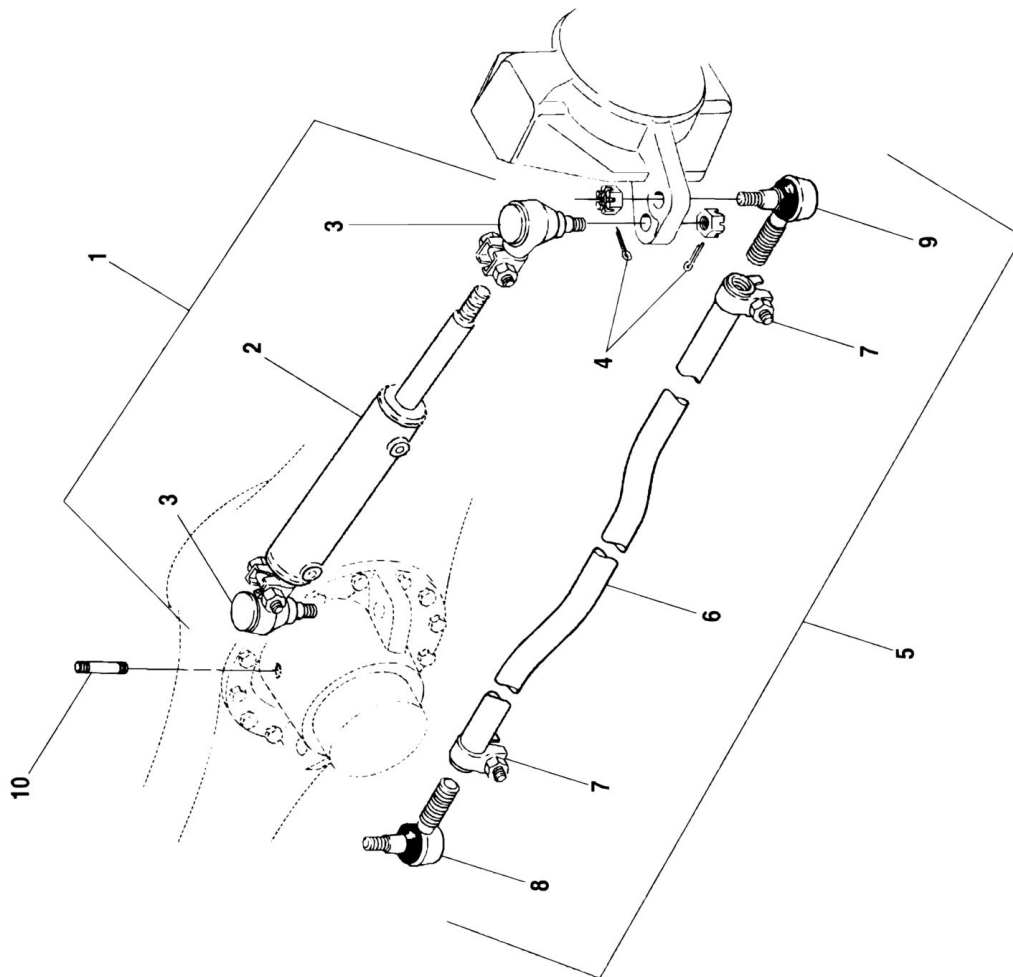
SECTION 1 - DRIVE TRAIN

FIGURE 1-14. DRIVE FLANGE ASSEMBLY (PS 7036) (1044C-42,10K-42,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 844C-42 SN 101 to Present; 1044C-42 SN 101 through 107; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 through 106)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P25159	36	Capscrew, Flange Head	
2	P26155	2	Drive Flange Assembly (Includes Items 3-13)	
3	P13903	12	Thrustwasher	
4	P26812	6	Gear, Planetary Spur	
5	8032898	300	Needle Bearing (50 Per Gear)	
6	P13906	6	Spacer	
7	P26845	2	Plate, Lining Stop	
8	P19336	2	Thrust Button	
9	P26840	6	Shaft, Planetary Gear	
10	P26829	6	Roll Pin	
11	P26830	2	Drive Flange	
12	P13780	2	Plug	
13	P31530	2	Plug	
		Ref	NOTES:	
		Ref	1. All quantities are for one complete Axle Assembly.	

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FIGURE 1-15. TIE ROD AND STEER CYLINDER MOUNTING ASSEMBLY (PS 7036) (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 844C-42 SN 101 to Present; 1044C-42 SN 101 through 107; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 through 106)



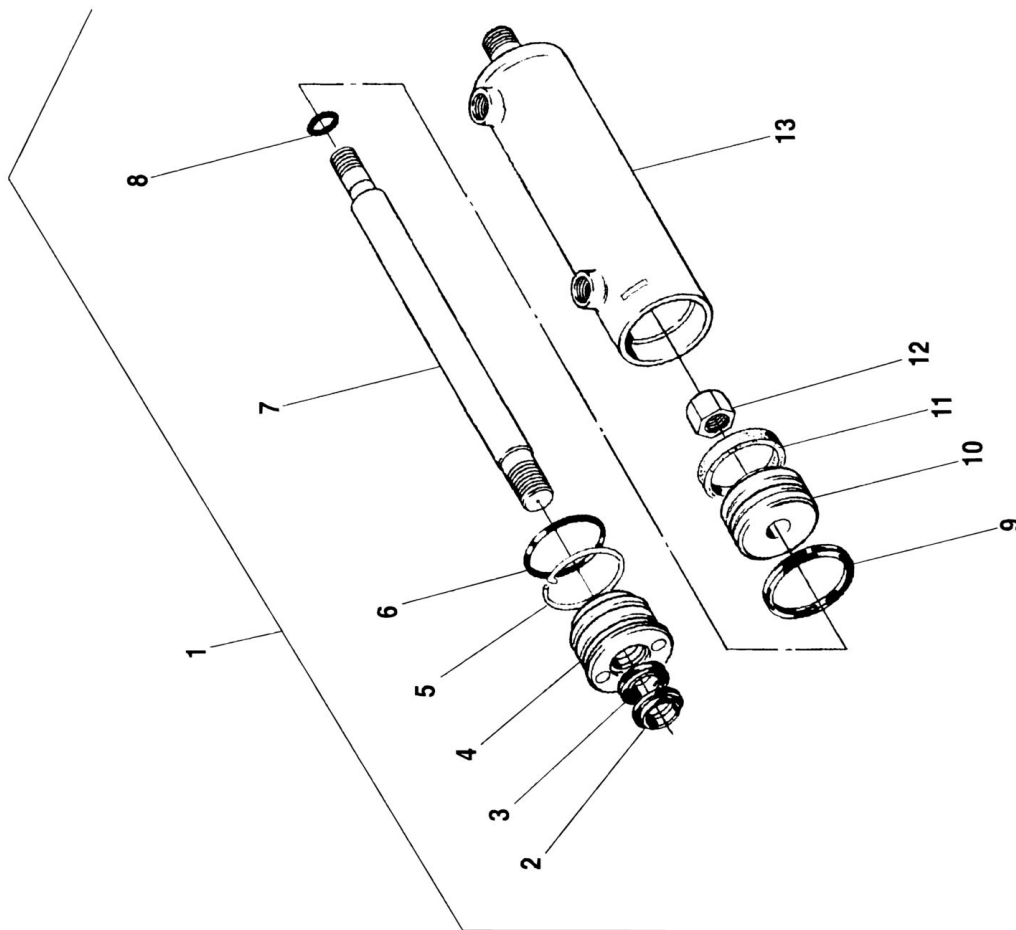
SECTION 1 - DRIVE TRAIN

FIGURE 1-15. TIE ROD AND STEER CYLINDER MOUNTING ASSEMBLY (PS 7036) (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 844C-42 SN 101 to Present; 1044C-42 SN 101 through 107; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 through 106)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	37431X	1	Steer Cylinder and Socket Assembly (Replaces P31335) Right Front, Left Rear (Includes Items 2, 3)	
1	37430X	1	Steer Cylinder and Socket Assembly (Replaces P31333) Left Front, Right Rear (Includes Items 2, 3) (Note: Not Illustrated)	
2	37434X	1	Steer Cylinder - Right Front, Left Rear (Replaces P31347) 19.6in (49.8 cm) Long Retracted (Note: See STEER CYLINDER ASSEMBLY (PS 7036) for Breakdown)	
2	37433X	1	Steer Cylinder - Left Front, Right Rear (Replaces P31346) 18.61in (47.3 cm) Long Retracted (Note: Not Illustrated), (See STEER CYLINDER ASSEMBLY (PS 7036) for Breakdown)	
3	P13915	4	Socket, Steer Cylinder (Includes Nut)	
4	P13835	6	Cotter Pin	
5	P31331	1	Tie Rod Assembly (Includes Items 6-9)	
6	P31332	1	Tube, Tie Rod	
7	P26193	2	Clamp, Tie Rod	
8	P31526	1	Tie Rod End - Coarse Thread (Includes Nut)	
9	P31527	1	Tie Rod End - Fine Thread (Includes Nut)	
10	P17535	1	Stud, Dowel	
		Ref	NOTES:	
		Ref	1. All quantities are for one complete Axle Assembly.	

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FIGURE 1-16. STEER CYLINDER ASSEMBLY (PS 7036) (644B-37 SN 101 through 462; 644B-42 SN 101 through 133; 844C-42 SN 101 through 356, SN 425 through 426; 1044C-42 SN 101 through 107; 6K-37 SN 101 through 236; 6K-42 SN 101 through 109; 8K-42 SN 101 through 182; 10K-42 SN 101 through 106)



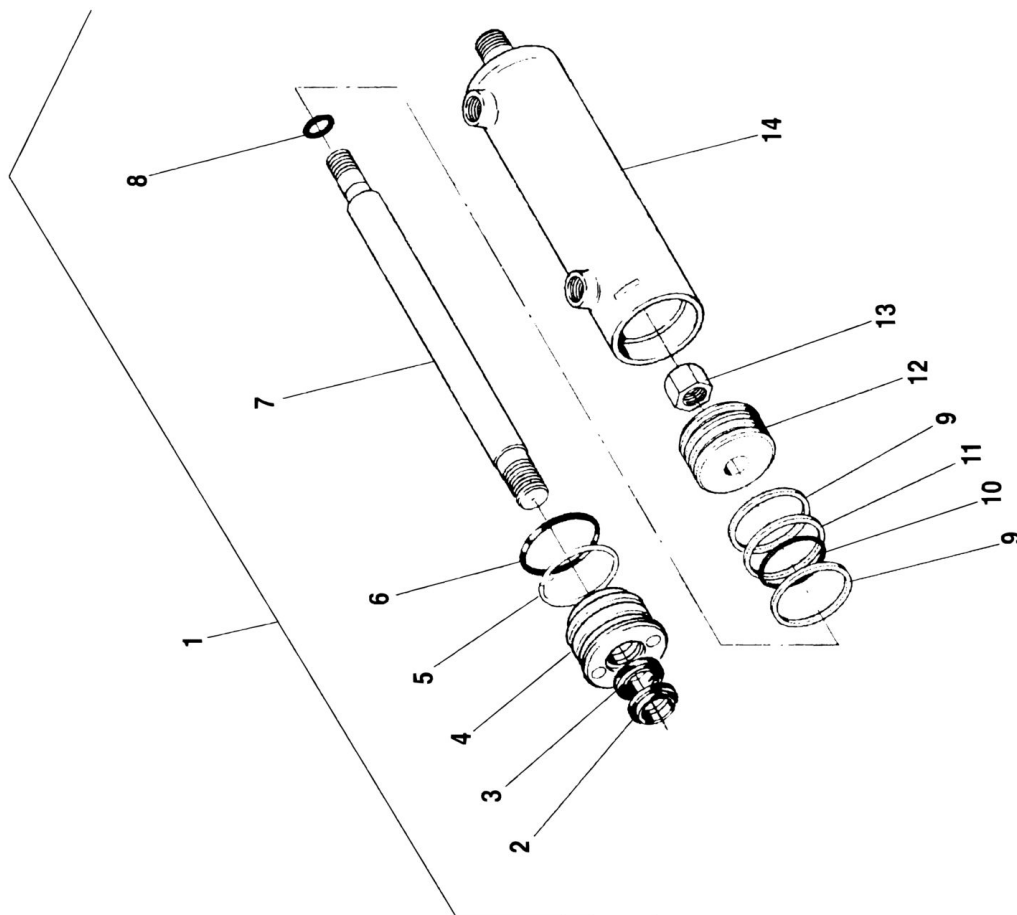
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FIGURE 1-16. STEER CYLINDER ASSEMBLY (PS 7036) (644B-37 SN 101 through 462; 644B-42 SN 101 through 133; 844C-42 SN 101 through 356, SN 425 through 426; 1044C-42 SN 101 through 107; 6K-37 SN 101 through 236; 6K-42 SN 101 through 109; 8K-42 SN 101 through 182; 10K-42 SN 101 through 106)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	P31346	NLA	Steer Cylinder Assembly - Left Front, Right Rear 18.61in (47.3mm) Long Retracted (Includes Items 2-13) (No Longer Available, See 37433X for Service or Replacement)	
	P31347	NLA	Steer Cylinder Assembly - Right Front, Left Rear 19.61in (49.8mm) Long Retracted (Includes Items 2-13) (No Longer Available, See 37434X for Service or Replacement)	
2	N.S.S.	1	Rod Wiper	
3	N.S.S.	1	Rod Seal, U-Cup	
4	P31548	1	Gland	
5	N.S.S.	1	Lock Ring	
6	N.S.S.	1	Gland Seal	
7	P31348	1	Rod, Cylinder - 16.12in (40.9mm) Long (for P31346)	
7	P31349	1	Rod, Cylinder - 17.12in (43.5mm) Long (for P31347)	
8	N.S.S.	1	O-Ring	
9	N.S.S.	1	Seal, Piston	
10	P31549	1	Piston	
11	N.S.S.	1	Wear Ring	
12	N.S.S.	1	Nut	
13	N.S.S.	1	Barrel	
Ref	P31334	-	Seal Kit (Includes Items 2, 3, 5, 6, 8, 9, 11)	
		Ref	N.S.S. = Not Sold Separately	

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FIGURE 1-17. STEER CYLINDER ASSEMBLY (PS 7036) (644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 463 to Present; 644B-42 SN 134 to Present; 844C-42 SN 357 through 425, SN 427 to Present; 6K-37 SN 237 to Present; 6K-42 SN 110 to Present; 8K-42 SN 183 to Present)



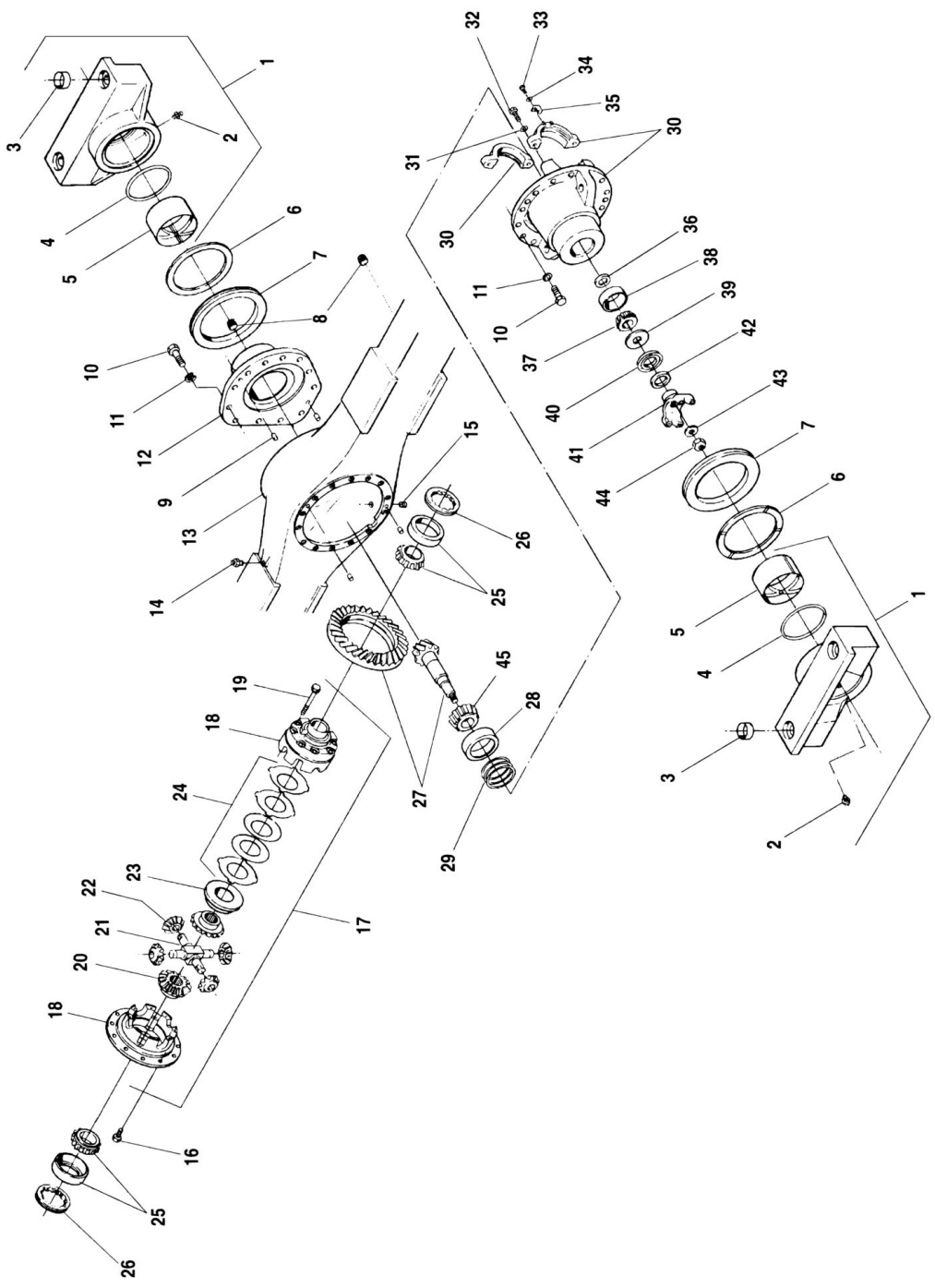
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FIGURE 1-17. STEER CYLINDER ASSEMBLY (PS 7036) (644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 463 to Present; 644B-42 SN 134 to Present; 844C-42 SN 357 through 425, SN 427 to Present; 6K-37 SN 237 to Present; 6K-42 SN 110 to Present; 8K-42 SN 183 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	37433X	2	Steer Cylinder Assembly - Left Front, Right Rear 18.61in (47.3 cm) Long Retracted (Includes Items 2–13)	
1	8034685	2	Steer Cylinder Assembly - Right Front, Left Rear 19.61in (49.8 cm) Long Retracted (Includes Items 2-13)	
2	Seal Kit	1	Rod Wiper	
3	Seal Kit	1	Rod Seal, U-Cup	
4	NLA	1	Gland	
5	Seal Kit	1	Lock Ring	
6	Seal Kit	1	O-Ring and Back-up Ring	
7	8034826	1	Rod, Cylinder - 16.17 Long (For 37433X Steer Cylinder)	
7	8034825	1	Rod, Cylinder - 17.17 Long (For Steer 8034685 Cylinder)	
8	Seal Kit	1	O-Ring	
9	Seal Kit	2	Wear Ring	
10	Seal Kit	1	Expander	
11	Seal Kit	1	Seal, Piston	
12	8034827	1	Piston	
13	8034824	1	Nut	
14	N.S.S.	1	Barrel	
Ref	8034690	-	Seal Kit (Includes Items 2, 3, 5, 6, 8, 9, 10, 11)	
		Ref	N.S.S. = Not Sold Separately, NLA = No Longer Available	

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FIGURE 1-18. DIFFERENTIAL CARRIER ASSEMBLY - FRONT AXLE (PS 8036) (1044C-42,1044C-54,10K-42,10K-54) (1044C-42 SN 108 to Present; 1044C-54 SN 101 to Present; 10K-42 SN 107 to Present; 10K-54 SN 101 to Present)



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FIGURE 1-18. DIFFERENTIAL CARRIER ASSEMBLY - FRONT AXLE (PS 8036) (1044C-42,1044C-54,10K-42,10K-54) (1044C-42 SN 108 to Present; 1044C-54 SN 101 to Present; 10K-42 SN 107 to Present; 10K-54 SN 101 to Present)

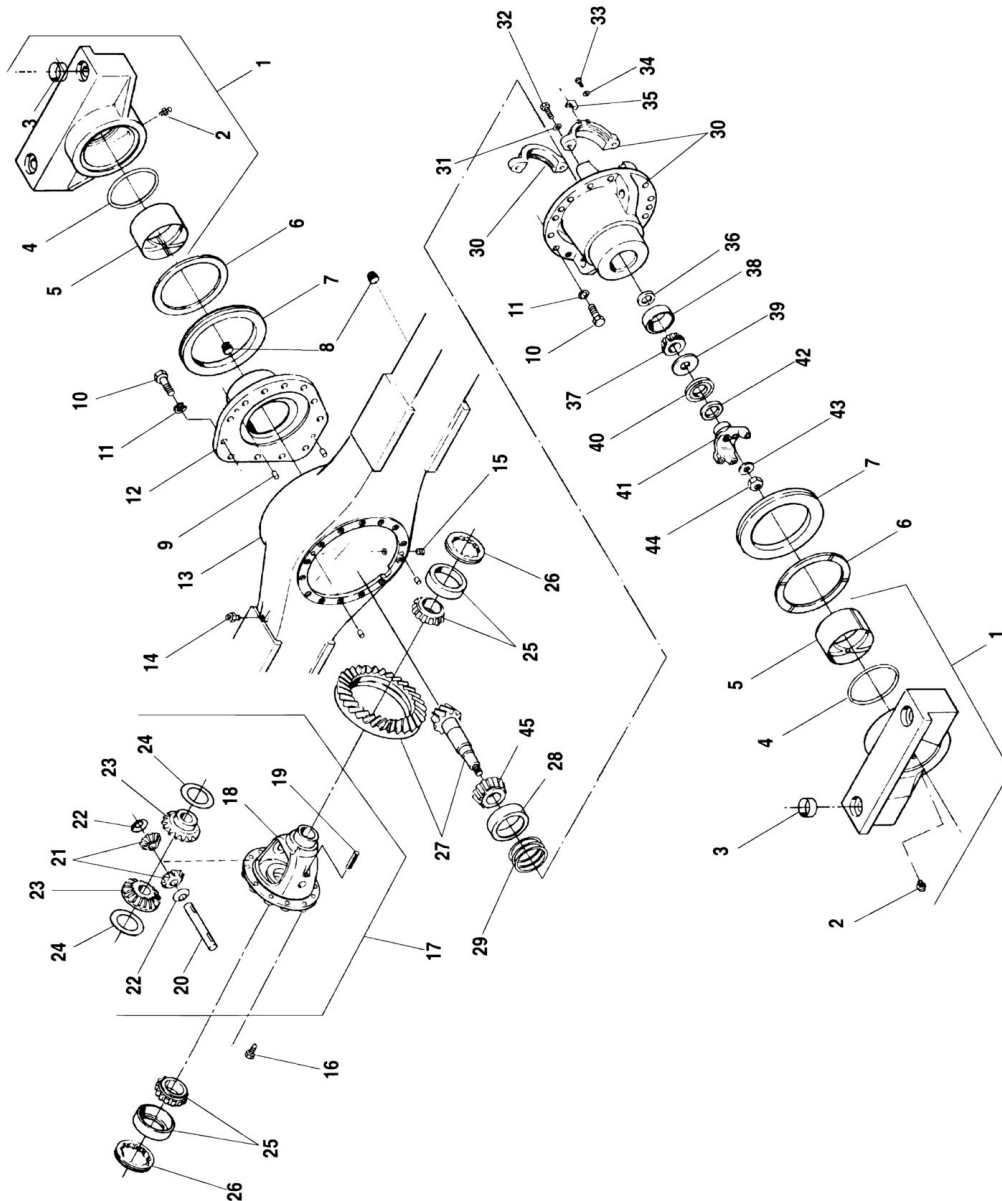
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P31521	2	Trunnion Bracket (Includes Items 2-5)	
2	P13786	1	Grease Fitting	
3	P31524	2	Locating Pin	
4	P31498	1	O-Ring	
5	P31495	1	Bushing	
6	P31496	2	Thrustwasher	
7	P31497	2	Oil Seal	
8	P19300	2	Plug, Pipe (Fill/Level)	
9	P31394	4	Dowel Pin	
10	37032X	26	Capscrew	
11	P19306	26	Flatwasher	
12	37026X	1	Cover, Trunnion	
13	37025X	1	Housing, Axle	
14	P13784	1	Vent	
15	P13780	1	Drain Plug	
16	37045X	12	Capscrew	
	37785X	1	Carrier Ass'y - Limited Slip (Includes Items 17-43)	
17	37028X	1	Differential Case (Includes Items 18-24)	
18	37033X	1	Housing, Case (Includes Item 19)	
19	P31545	8	Capscrew, Flange Hd.	
20	37027X	2	Gear, Differential	
21	P31396	2	Cross Shaft	
22	P31397	4	Gear, Pinion	
23	P31539	2	Clutch Ring	
24	P31540	1	Disc and Friction Plate Kit	
25	P31385	2	Bearing	
26	P31386	2	Adjusting Ring	
27	37038X	1	Ring Gear and Pinion	
28	36769X	1	Cup, Bearing	
29	37046X	AR	Shim, Pinion -.003in	
29	37047X	AR	Shim, Pinion -.005in	
29	37048X	AR	Shim, Pinion -.010in	
29	37049X	AR	Shim, Pinion -.030in	
30	37019X	1	Carrier Housing and Cap (Includes Items 31, 32)	
31	P19306	4	Flatwasher	
32	P31379	4	Capscrew	
33	P19313	2	Capscrew	
34	P31381	2	Washer	
35	P31380	2	Clip, Adjusting Ring	
36	36760X	AR	Shim, Pinion Bearing Preload -.014in	
36	36761X	AR	Shim, Pinion Bearing Preload -.015in	
36	36762X	AR	Shim, Pinion Bearing Preload -.016in	
36	36763X	AR	Shim, Pinion Bearing Preload -.018in	
36	36764X	AR	Shim, Pinion Bearing Preload -.020in	
36	36765X	AR	Shim, Pinion Bearing Preload -.021in	
36	36766X	AR	Shim, Pinion Bearing Preload -.022in	
36	36767X	AR	Shim, Pinion Bearing Preload -.023in	
36	36768X	AR	Shim, Pinion Bearing Preload -.030in	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
37	37016X	1	Bearing	
38	37017X	1	Cup, Bearing	
39	37044X	1	Thrustwasher	
40	37043X	1	Oil Seal	
41	37041X	1	End Yoke	
42	37042X	1	Deflector	
43	37040X	1	Washer, Pinion Nut	
44	37039X	1	Nut, Pinion	
45	36770X	1	Cone, Bearing	

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FIGURE 1-19. DIFFERENTIAL CARRIER ASSEMBLY - REAR AXLE (PS 8036) (1044C-42,1044C-54,10K-42,10K-54) (1044C-42 SN 108 to Present; 1044C-54 SN 101 to Present; 10K-42 SN 107 to Present; 10K-54 SN 101 to Present)



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FIGURE 1-19. DIFFERENTIAL CARRIER ASSEMBLY - REAR AXLE (PS 8036) (1044C-42,1044C-54,10K-42,10K-54) (1044C-42 SN 108 to Present; 1044C-54 SN 101 to Present; 10K-42 SN 107 to Present; 10K-54 SN 101 to Present)

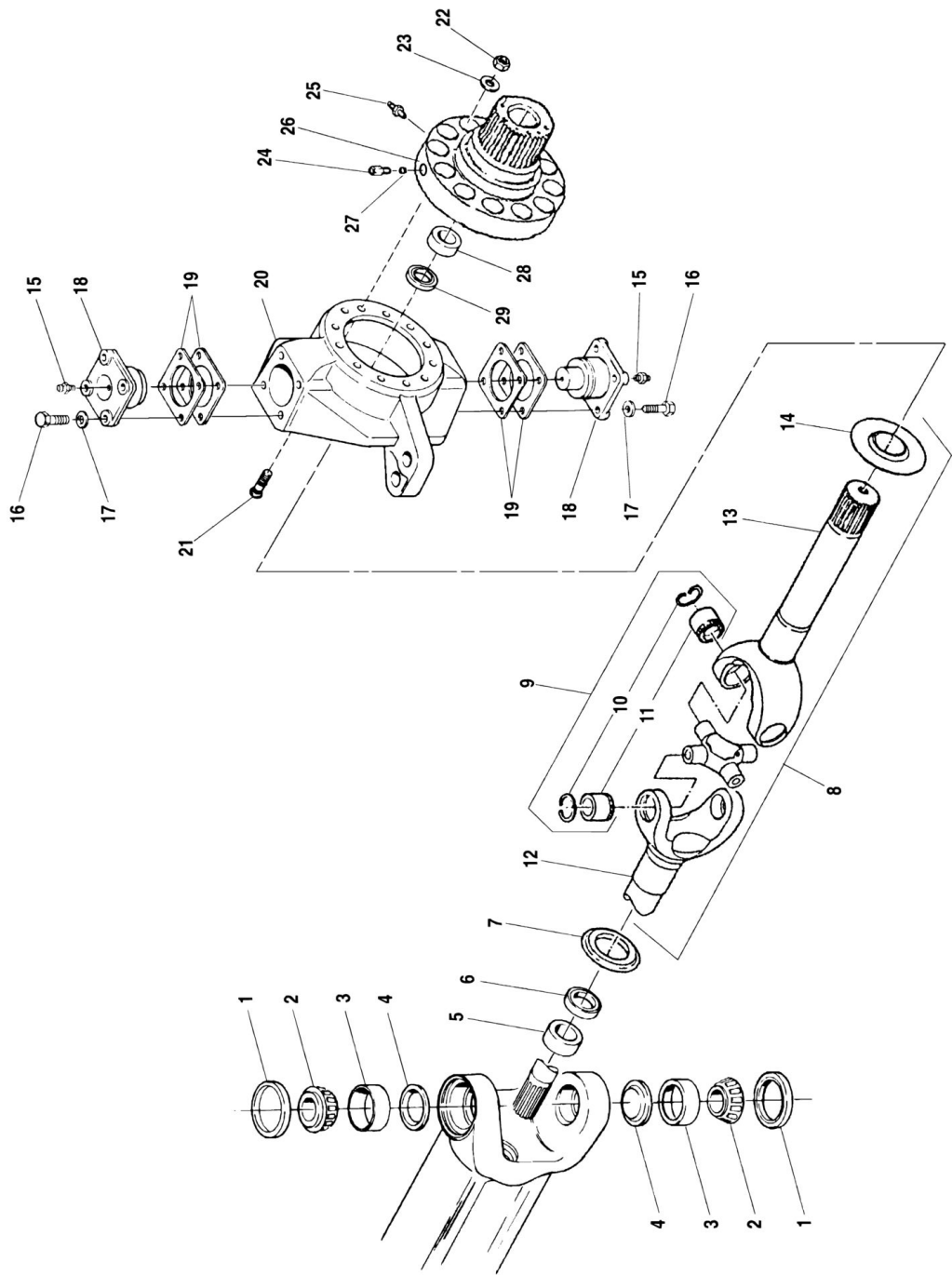
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P31521	2	Trunnion Bracket (Includes Items 2-5)	
2	P13786	1	Grease Fitting	
3	P31524	2	Locating Pin	
4	P31498	1	O-Ring	
5	P31495	1	Bushing	
6	P31496	2	Thrustwasher	
7	P31497	2	Oil Seal	
8	P19300	2	Plug, Pipe (Fill/Level)	
9	P31394	4	Dowel Pin	
10	37032X	26	Capscrew	
11	P19306	26	Flatwasher	
12	37026X	1	Cover, Trunnion	
13	37024X	1	Housing, Axle	
14	P13784	1	Vent	
15	P13780	1	Drain Plug	
16	37045X	12	Capscrew	
16	37786X	1	Carrier Ass'y - Standard (Includes Items 17-43)	
17	37034X	1	Differential Case (Includes Items 18-24)	
18	37035X	1	Housing, Case	
19	P31392	1	Roll Pin	
20	P31387	NLA	Cross Pin, (no longer available, use 70023142)	
21	37037X	2	Gear, Pinion	
22	P31389	2	Thrustwasher, Pinion	
23	37036X	2	Gear, Differential	
24	P31391	2	Thrustwasher, Gear	
25	P31385	2	Bearing	
26	P31386	2	Adjusting Ring	
27	37038X	1	Ring Gear and Pinion	
28	36769X	1	Cup, Bearing	
29	37046X	AR	Shim, Pinion-.003in	
29	37047X	AR	Shim, Pinion-.005in	
29	37048X	AR	Shim, Pinion-.010in	
29	37049X	AR	Shim, Pinion-.030in	
30	37019X	1	Carrier Housing and Cap (Includes Items 31, 32)	
31	P19306	4	Flatwasher	
32	P31379	4	Capscrew	
33	P19313	2	Capscrew	
34	P31381	2	Washer	
35	P31380	2	Clip, Adjusting Ring	
36	36760X	AR	Shim, Pinion Bearing Preload -.014in	
36	36761X	AR	Shim, Pinion Bearing Preload -.015in	
36	36762X	AR	Shim, Pinion Bearing Preload -.016in	
36	36763X	AR	Shim, Pinion Bearing Preload -.018in	
36	36764X	AR	Shim, Pinion Bearing Preload -.020in	
36	36765X	AR	Shim, Pinion Bearing Preload -.021in	
36	36766X	AR	Shim, Pinion Bearing Preload -.022in	
36	36767X	AR	Shim, Pinion Bearing Preload -.023in	
36	36768X	AR	Shim, Pinion Bearing Preload -.030in	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
37	37016X	1	Bearing	
38	37017X	1	Cup, Bearing	
39	37044X	1	Thrustwasher	
40	37043X	1	Oil Seal	
41	37041X	1	End Yoke	
42	37042X	1	Deflector	
43	37040X	1	Washer, Pinion Nut	
44	37039X	1	Nut, Pinion	
45	36770X	1	Cone, Bearing	
	70023142	1	Differential Gear Kit, (includes items 16 & 19-24)	

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FIGURE 1-20. STEER AXLE SHAFTS AND KNUCKLE ASSEMBLY (PS 8036) (1044C-42,1044C-54,10K-42,10K-54) (1044C-42 SN 108 to Present; 1044C-54 SN 101 to Present; 10K-42 SN 107 to Present; 10K-54 SN 101 to Present)



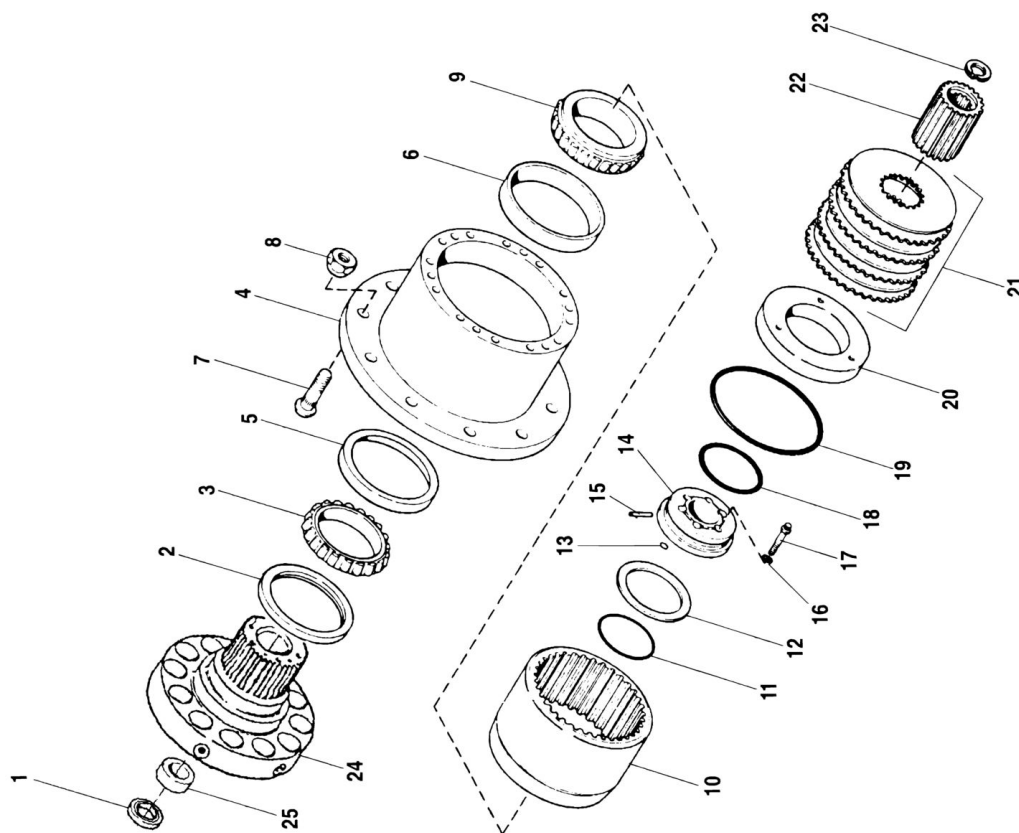
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FIGURE 1-20. STEER AXLE SHAFTS AND KNUCKLE ASSEMBLY (PS 8036) (1044C-42,1044C-54,10K-42,10K-54) (1044C-42 SN 108 to Present; 1044C-54 SN 101 to Present; 10K-42 SN 107 to Present; 10K-54 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P26801	4	Seal, Grease	
2	P25149	4	Bearing Cone	
3	P25148	4	Bearing Cup	
4	P26802	4	Retainer, Grease	
5	P32968	2	Bushing, Inner Shaft	
6	8033804	2	Oil Seal	
7	P26847	2	Dust Slinger, Inner	
8	37021X	1	Axle Shaft Assembly - Right Front, Left Rear (Includes Items 9-14)	
8	37020X	1	Axle Shaft Assembly - Left Front, Right Rear (Includes Items 9-14) (Note: Not Illustrated)	
9	P26175	2	Cross and Bearing (Includes Items 10, 11)	
10	P32973	8	Snap Ring	
11	P32972	8	Bearing Race	
12	37023X	1	Shaft, Inner - Right Front, Left Rear	
12	37022X	1	Shaft, Inner - Left Front, Right Rear (Note: Not Illustrated)	
13	P32967	2	Shaft, Outer	
14	P26846	2	Dust Slinger, Outer	
15	P13786	4	Grease Zerk	
16	P31376	16	Capscrew	
17	P31377	16	Flatwasher	
18	P26804	4	Cap, King Pin	
19	P13838	AR	Shim -.002in	
19	P13839	AR	Shim -.005in	
19	P13840	AR	Shim -.010in	
20	P31532	1	Knuckle Assembly - Right Front, Left Rear (Includes Item 21)	
20	P31531	1	Knuckle Assembly - Left Front, Right Rear (Includes Item 21) (Note: Not Illustrated)	
20	P32141	1	Knuckle Assembly - Right Front, Left Rear (Includes Item 21) (Note: Not Illustrated), (Note: Used with Optional Dry Disc Brake Axles)	
20	P32140	1	Knuckle Assembly - Left Front, Right Rear (Includes Item 21) (Note: Not Illustrated), (Note: Used with Optional Dry Disc Brake Axles)	
21	P31514	24	Stud, Spindle Mounting	
21	P32139	24	Stud, Spindle Mounting (Note: Used with Optional Dry Disc Brake Axles)	
22	P25165	24	Locknut	
23	P31547	24	Flatwasher	
24	P25111	2	Bleed Screw	
25	P24991	2	Hydraulic Fitting, Brake	
26	P32937	2	Spindle Assembly (Includes Items 27, 28)	
26	P25154	2	Spindle Assembly (Includes Item 28) (Notes: Not Illustrated, Used with Optional Dry Disc Brake Axles)	
27	P26826	4	Seat, Insert	
28	P13872	2	Bushing, Spindle	
29	8033803	2	Seal, Spindle	
		Ref	NOTES:	
		Ref	1. All quantities are for one complete Axle Assembly.	

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FIGURE 1-21. WHEEL END ASSEMBLY - WITH WET DISC BRAKES (PS 8036) (1044C-42,1044C-54,10K-42,10K-54) (1044C-42 SN 108 to Present; 1044C-54 SN 101 to Present; 10K-42 SN 107 to Present; 10K-54 SN 101 to Present)



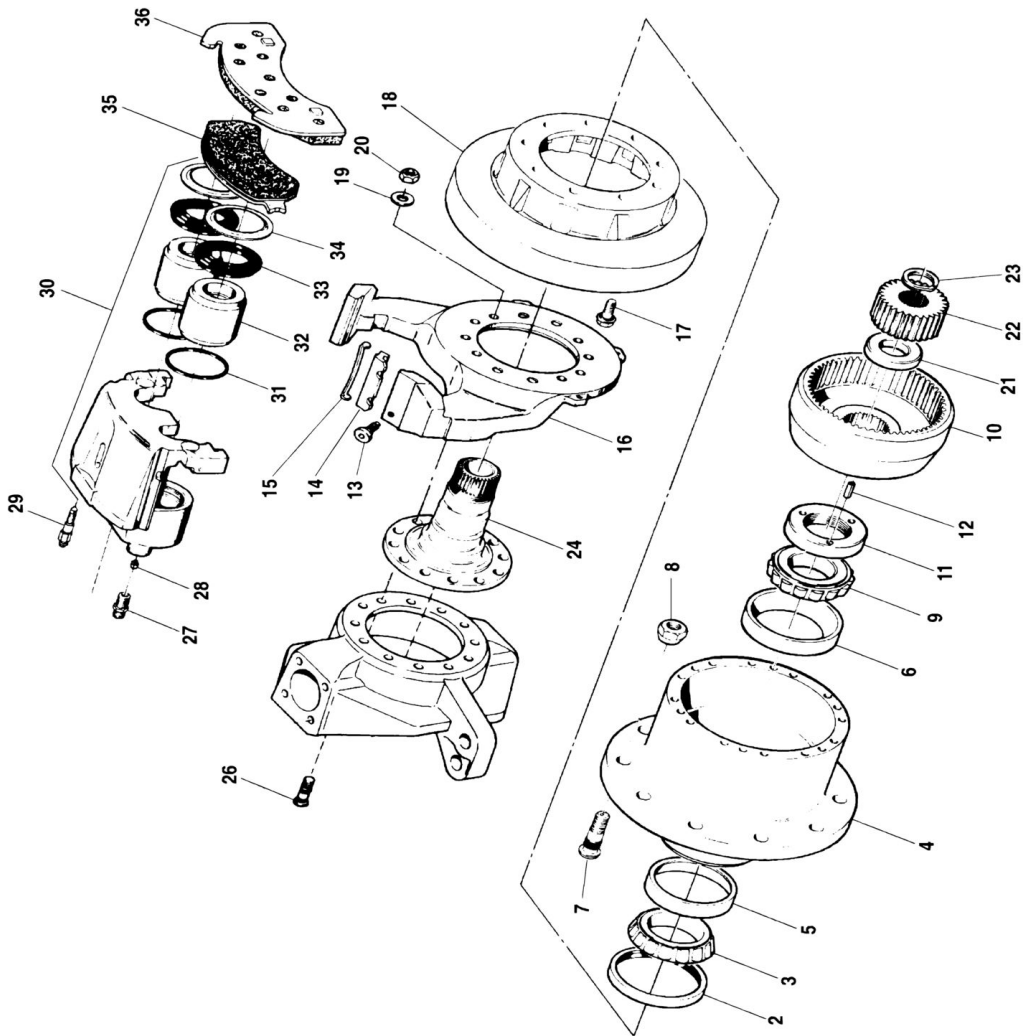
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FIGURE 1-21. WHEEL END ASSEMBLY - WITH WET DISC BRAKES (PS 8036) (1044C-42,1044C-54,10K-42,10K-54) (1044C-42 SN 108 to Present; 1044C-54 SN 101 to Present; 10K-42 SN 107 to Present; 10K-54 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	P32938	2	Wheel End Assembly (Includes Items 1-26, & P26155 Drive Flange Ass'y)	
1	8033803	2	Oil Seal, Spindle	
2	P26820	2	Oil Seal, Hub	
3	P26177	2	Bearing Cone	
4	P26156	2	Hub Assembly (Includes Items 5-7)	
5	P26176	2	Bearing Cup	
6	P26178	2	Bearing Cup	
7	P13888	20	Stud, Wheel	
8	P13894	20	Nut, Wheel	
9	P26179	2	Bearing Cone	
10	P26813	2	Ring Gear, Planetary	
11	P26841	2	O-Ring	
12	P26873	AR	Shim -.010in	
12	P26172	AR	Shim -.011in	
12	P26173	AR	Shim -.012in	
12	P26166	AR	Shim -.013in	
12	P26167	AR	Shim -.014in	
12	P26168	AR	Shim -.015in	
12	P26874	AR	Shim -.020in	
12	P26875	AR	Shim -.030in	
13	P26838	4	O-Ring	
14	P32970	2	Bearing Retainer, (Includes Item 15)	
15	P26816	2	Tube, Breather	
16	P32964	12	Flatwasher	
17	P32963	12	Capscrew, 12 Point Hd	
18	P26834	2	O-Ring	
19	P26828	2	O-Ring	
20	P26825	2	Piston	
21	P32974	2	Friction Disc and Stationary Plate Kit	
22	P26827	2	Sun Gear	
23	P13783	2	Snap Ring	
24	P32937	2	Spindle Assembly (Includes Items 25, 26)	
25	P13872	2	Bushing, Spindle	
26	P26826	4	Seat, Insert (Note: Not Illustrated)	
Ref	P26808	2	Seal Kit (Includes Items 11, 13, 18, 19)	
Ref	P26720	2	Brake Friction Additive - 4 oz Bottle	
		Ref	NOTES:	
		Ref	1. All quantities are for one complete Axle Assembly.	

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FIGURE 1-22. WHEEL END ASSEMBLY - WITH DRY DISC BRAKES (PS 8036) (1044C-42,1044C-54,10K-42,10K-54) (1044C-42 SN 108 to Present; 1044C-54 SN 101 to Present; 10K-42 SN 107 to Present; 10K-54 SN 101 to Present)



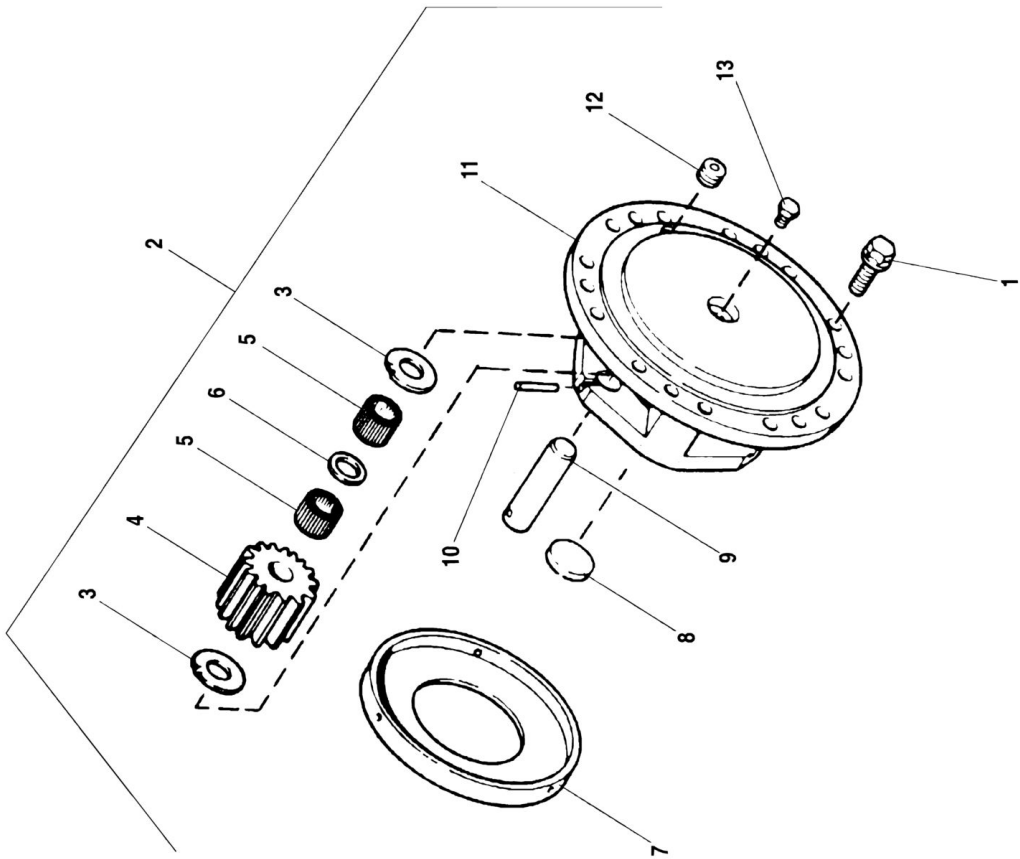
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FIGURE 1-22. WHEEL END ASSEMBLY - WITH DRY DISC BRAKES (PS 8036) (1044C-42,1044C-54,10K-42,10K-54) (1044C-42 SN 108 to Present; 1044C-54 SN 101 to Present; 10K-42 SN 107 to Present; 10K-54 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	37029X	2	Wheel End Assembly (Includes Items 1-26, & 37030X Drive Flange Ass'y/See DRIVE FLANGE ASSEMBLY (PS 8036) for Breakdown)	
	P25171	2	Hub and Rotor Assembly (Includes Items 4-7, 17,18)	
1	8033803	2	Oil Seal, Spindle. (not illustrated)	
2	P25118	2	Oil Seal, Hub	
3	P25116	2	Bearing Cone	
4	37031X	2	Hub	
5	37018X	2	Bearing Cup	
6	P25117	2	Bearing Cup	
7	P13888	20	Stud, Wheel	
8	P13894	20	Nut, Wheel	
9	P25115	2	Bearing Cone	
10	37428X	2	Ring Gear, Planetary	
11	P21818	2	Nut, Special	
12	P21817	2	Roll Pin	
13	P25166	2	Screw	
14	P25110	2	Key	
15	P25109	2	Spring	
16	37425X	1	Bracket (Right Front/ Left Rear)	
16	37424X	1	Bracket (Left Front/ Right Rear) (not illustrated)	
17	P25164	18	Capscrew	
18	P25106	2	Rotor	
19	P31547	24	Flatwasher	
20	P25165	24	Locknut	
21	37427X	2	Thrustwasher	
22	37426X	2	Sun Gear	
23	P13783	2	Snap Ring	
24	P25154	2	Spindle Assembly (Includes Item 25)	
25	P13872	2	Bushing, Spindle (Note: Not Illustrated)	
26	P32139	24	Stud, Serrated	
27	P24991	2	Fitting, Inlet	
28	37423X	4	Seat	
29	P25111	2	Bleed Screw	
30	37420X	2	Brake Caliper Assembly (Includes Items 31-34)	
31	P25105	4	O-Ring	
32	37422X	4	Piston	
33	37421X	4	Dust Boot	
34	P25174	4	Shield	
35	37419X	2	Brake Pad, Inner	
36	37417X	NLA	Brake Pad, Outer Vehicle Right Side, (no longer available, use 70021966)	
36	37418X	NLA	Brake Pad, Outer Vehicle Left Side, (no longer available, use 70021966)	
	70021966	1	Outer Brake Kit, (includes both items of 36 & 10725101)	
		Ref	All quantities are for one complete Axle Assembly.	

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FIGURE 1-23. DRIVE FLANGE ASSEMBLY (PS 8036) (1044C-42,1044C-54,10K-42,10K-54) (1044C-42 SN 108 to Present; 1044C-54 SN 101 to Present; 10K-42 SN 107 to Present; 10K-54 SN 101 to Present)



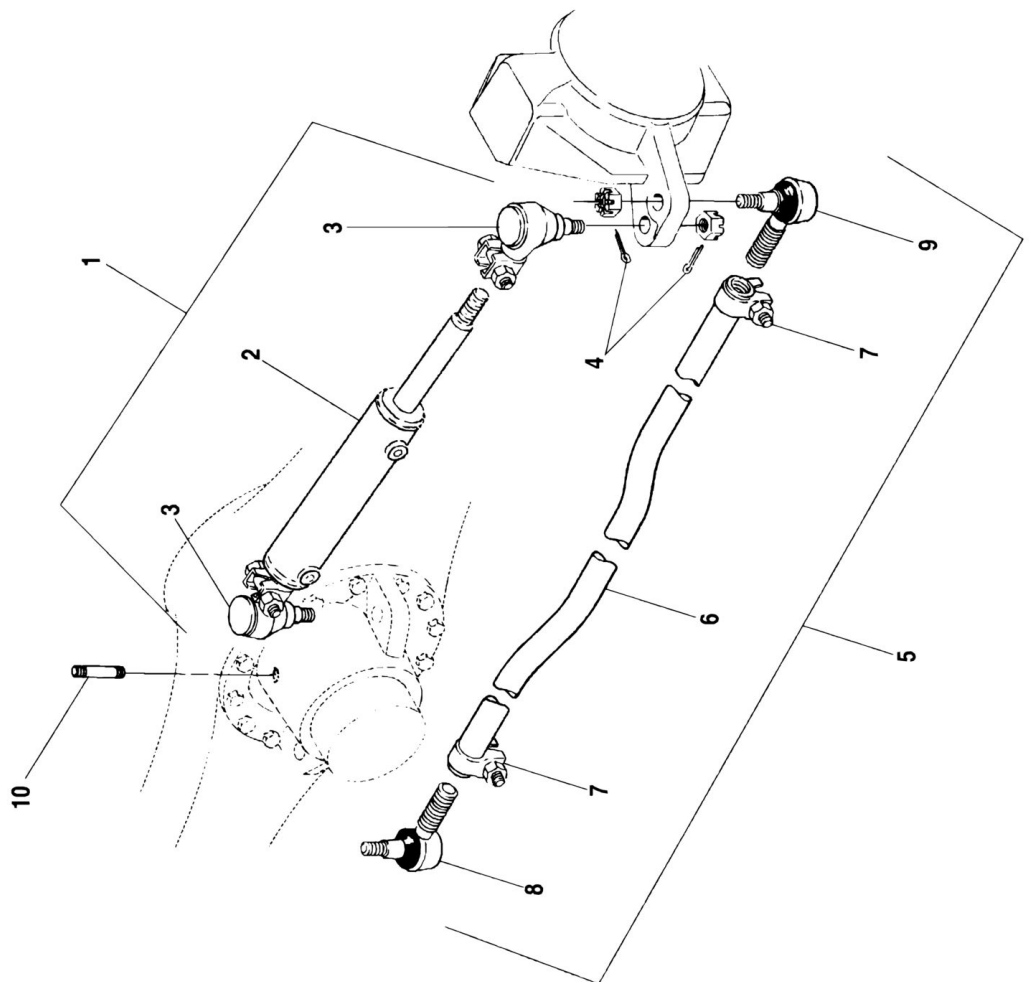
SECTION 1 - DRIVE TRAIN

FIGURE 1-23. DRIVE FLANGE ASSEMBLY (PS 8036) (1044C-42,1044C-54,10K-42,10K-54) (1044C-42 SN 108 to Present; 1044C-54 SN 101 to Present; 10K-42 SN 107 to Present; 10K-54 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P25159	36	Capscrew, Flange Head	
2	P26155	2	Drive Flange Assembly (Includes Items 3-13)	
2	37030X	2	Drive Flange Assembly (Includes Items 3-13) (Note: Used with Optional Dry Disc Brake Axles)	
3	P13903	12	Thrustwasher	
4	P26812	6	Gear, Planetary Spur	
5	8032898	300	Needle Bearing (50 Per Gear)	
6	P13906	6	Spacer	
7	P26845	2	Plate, Lining Stop	
8	P19336	2	Thrust Button	
9	P26840	6	Shaft, Planetary Gear	
10	P26829	6	Roll Pin	
10	P19335	6	Roll Pin (Note: Used with Optional Dry Disc Brake Axles)	
11	P26830	2	Drive Flange	
12	P13780	2	Plug	
13	P31530	2	Plug	
		Ref	NOTES:	
		Ref	1. All quantities are for one complete Axle Assembly.	

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FIGURE 1-24. TIE ROD AND STEER CYLINDER MOUNTING ASSEMBLY (PS 8036) (1044C-42,1044C-54,10K-42,10K-54) (1044C-42 SN 108 to Present; 1044C-54 SN 101 to Present; 10K-42 SN 107 to Present; 10K-54 SN 101 to Present)



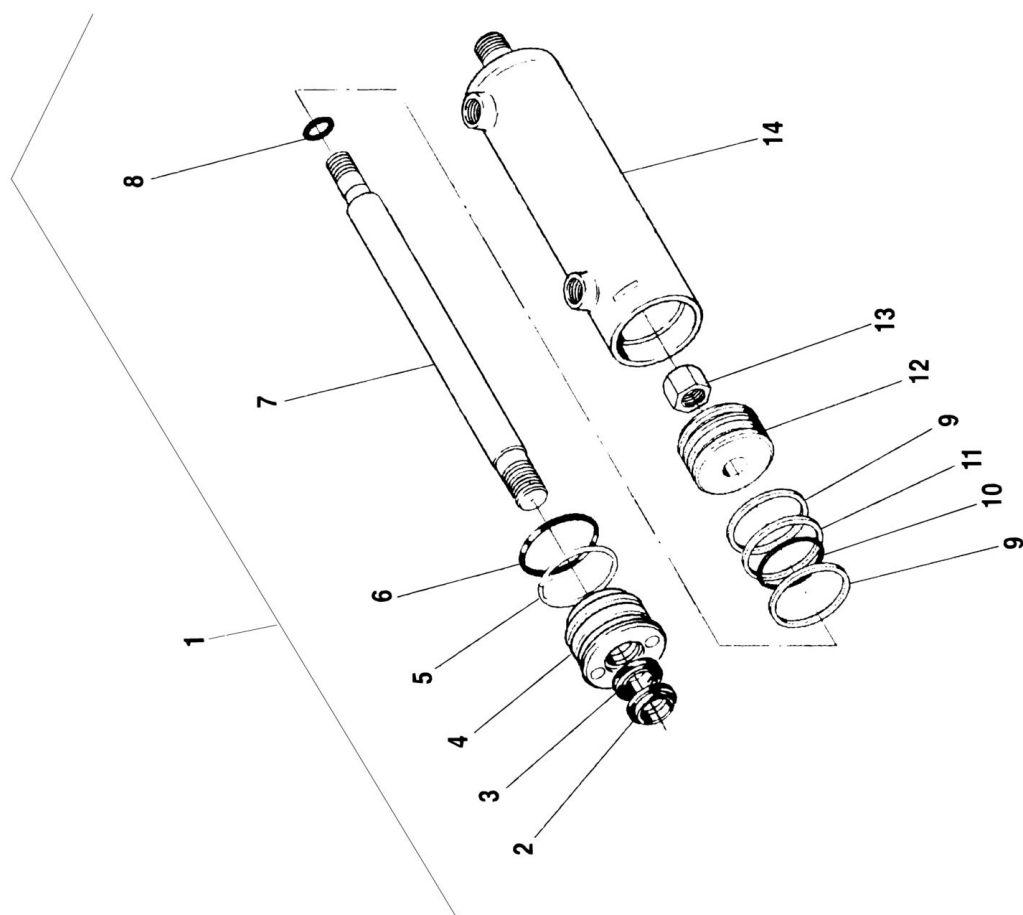
SECTION 1 - DRIVE TRAIN

FIGURE 1-24. TIE ROD AND STEER CYLINDER MOUNTING ASSEMBLY (PS 8036) (1044C-42,1044C-54,10K-42,10K-54) (1044C-42 SN 108 to Present; 1044C-54 SN 101 to Present; 10K-42 SN 107 to Present; 10K-54 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	37432X	2	Steer Cylinder and Socket Assembly (Includes Items 2, 3)	
2	37435X	2	Steer Cylinder	
3	P13915	4	Socket, Steer Cylinder (Includes Nut)	
4	P13835	6	Cotter Pin	
5	P31331	1	Tie Rod Assembly (Includes Items 6-9)	
6	P31332	1	Tube, Tie Rod	
7	P26193	2	Clamp, Tie Rod	
8	P31526	1	Tie Rod End - Coarse Thread (Includes Nut)	
9	P31527	1	Tie Rod End - Fine Thread (Includes Nut)	
10	P17535	1	Stud, Dowel	
		Ref	NOTES:	
		Ref	1. All quantities are for one complete Axle Assembly.	

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FIGURE 1-25. STEER CYLINDER ASSEMBLY (PS 8036) (1044C-42,1044C-54,10K-42,10K-54) (1044C-42 SN 108 to Present; 1044C-54 SN 101 to Present; 10K-42 SN 107 to Present; 10K-54 SN 101 to Present)



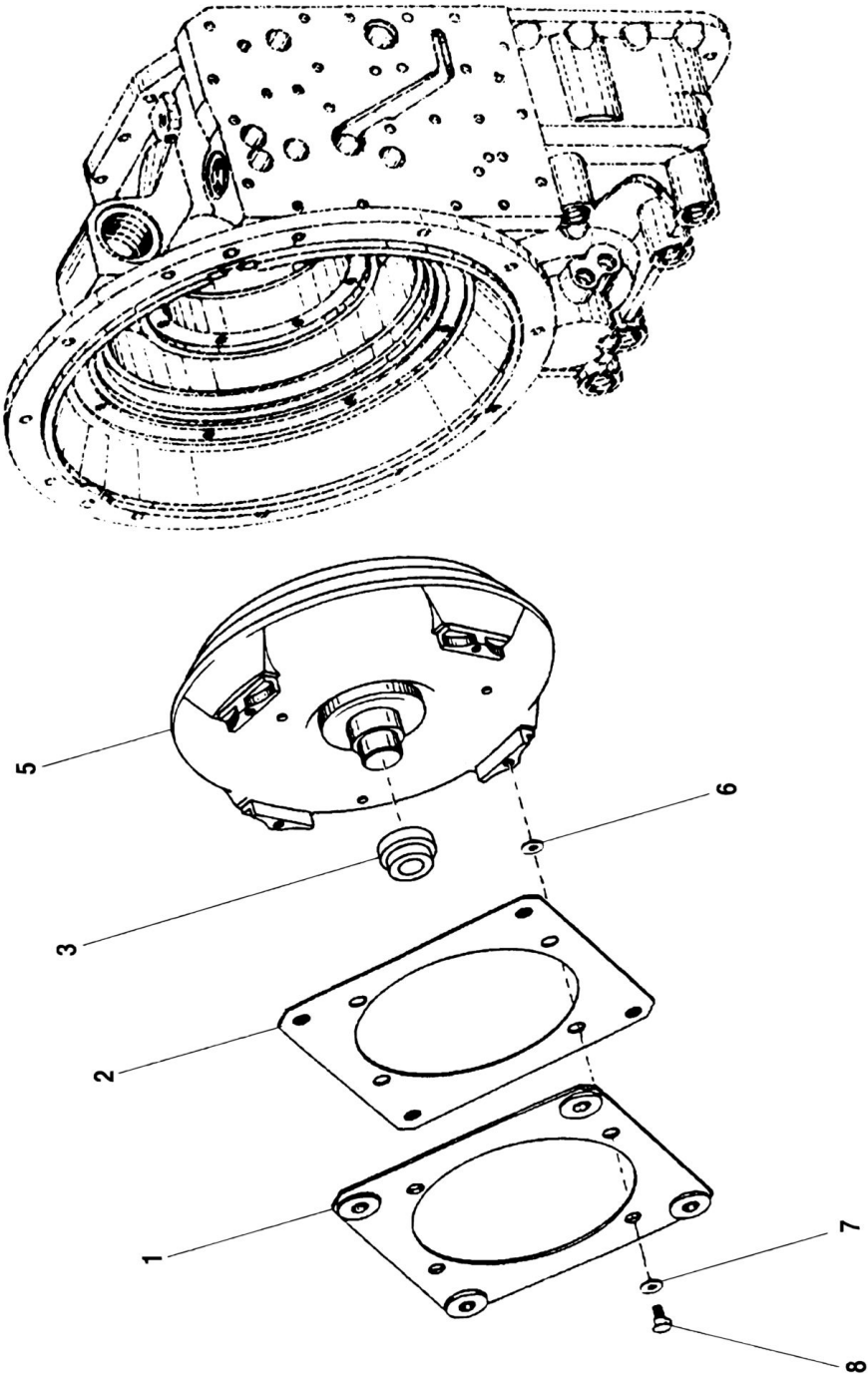
SECTION 1 - DRIVE TRAIN

FIGURE 1-25. STEER CYLINDER ASSEMBLY (PS 8036) (1044C-42,1044C-54,10K-42,10K-54) (1044C-42 SN 108 to Present; 1044C-54 SN 101 to Present; 10K-42 SN 107 to Present; 10K-54 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	37435X	4	Steer Cylinder Assembly (Includes Items 2-13)	
2	N.S.S.	1	Rod Wiper	
3	N.S.S.	1	Rod Seal, U-Cup	
4	N.S.S.	1	Gland	
5	N.S.S.	1	Lock Ring	
6	N.S.S.	1	O-Ring and Back-up Ring	
7	37436X	1	Rod, Cylinder - 16.17in (41.07 mm) Long	
8	N.S.S.	1	O-Ring	
9	N.S.S.	2	Wear Ring	
10	N.S.S.	1	Expander	
11	N.S.S.	1	Seal, Piston	
12	N.S.S.	1	Piston	
13	N.S.S.	1	Nut	
14	N.S.S.	1	Barrel	
Ref	37439X	-	Seal Kit (Includes Items 2, 3, 5, 6, 8, 9, 11)	
		Ref	N.S.S. = Not Sold Separately	

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FIGURE 1-26. CONVERTER AND FLEX PLATE (3WG 100) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present)



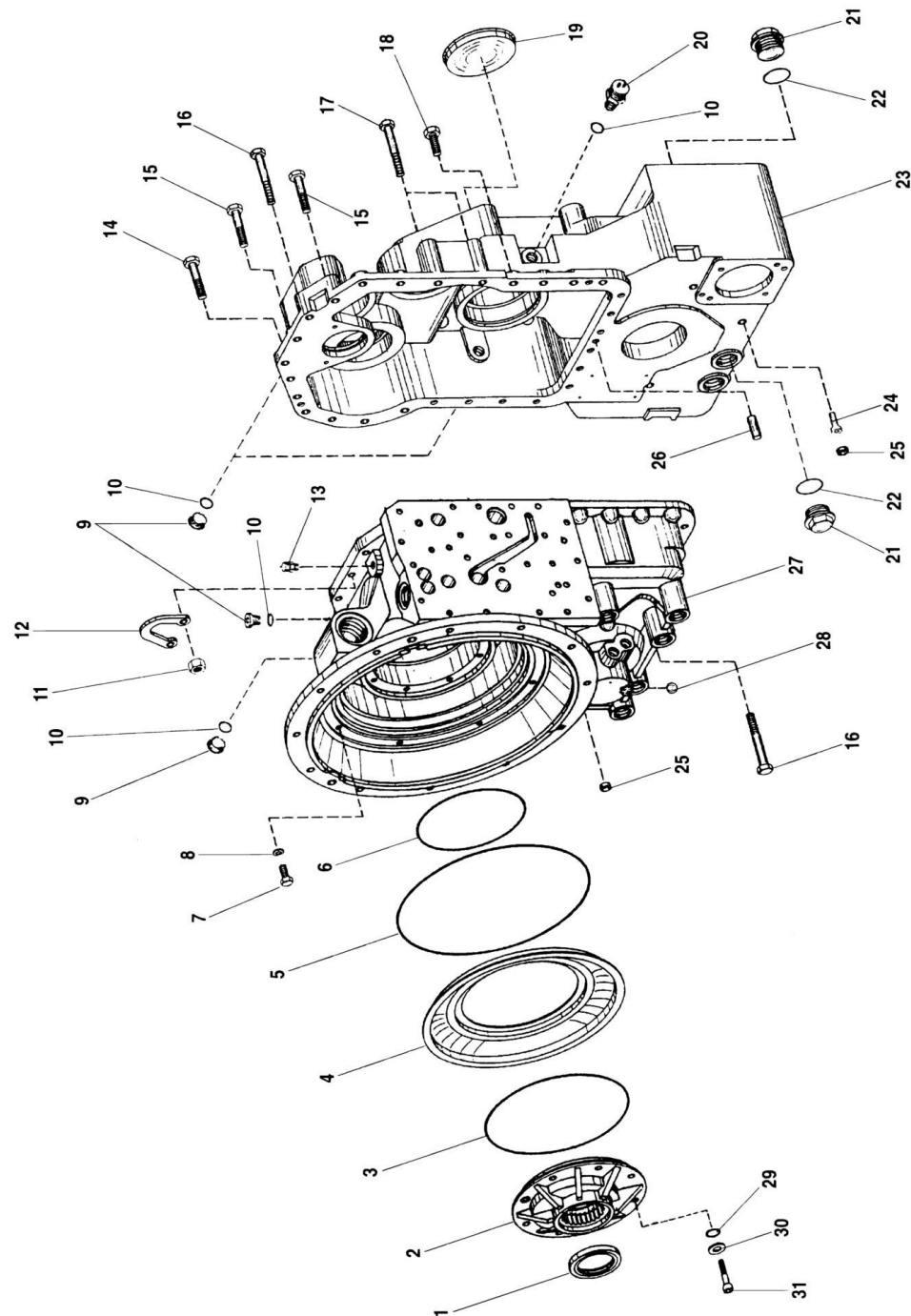
SECTION 1 - DRIVE TRAIN

FIGURE 1-26. CONVERTER AND FLEX PLATE (3WG 100) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P31701	1	Flex Plate (for Deere engines only)	
1	P32124	1	Flex Plate (for Cummins engines only)	
2	P31700	1	Flex Plate (for Deere engines only)	
2	P32123	1	Flex Plate (for Cummins engines only)	
3	35049A	Ref	Bushing, Pilot (JD Option Code 1518) (for Deere engines only)	
4	37566X	Ref	Bushing, Pilot (JD Option Code 1525) (for Deere engines only)	
4	35166A	Ref	Bushing, Pilot (for Cummins engines only)	
5	P31704	1	Torque Converter	
6	7026745	4	Washer, M10 (for Deere engines only)	
6	70023906	1	Flatwasher, M10 (for Cummins engines only)	
7	7026745	4	Washer, M10	
8	P31702	4	Capscrew, Hx, M10 x 16mm (for Deere engines only)	
8	P32125	4	Capscrew, Hx, M10 x 18mm (for Cummins engines only)	

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FIGURE 1-27. GEARBOX HOUSING (3WG 100) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present)



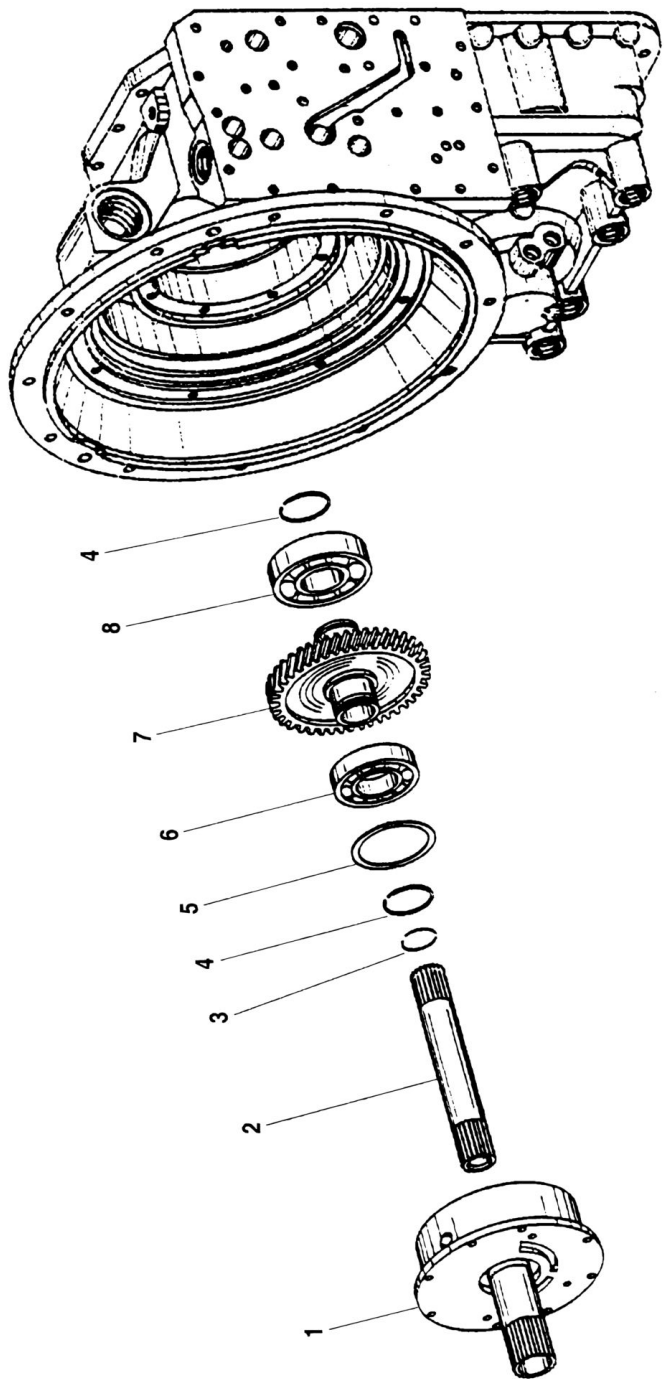
SECTION 1 - DRIVE TRAIN

FIGURE 1-27. GEARBOX HOUSING (3WG 100) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P31706	1	Seal, Shaft	
2	P31705	1	Pump	
3	P31707	1	O-Ring	
4	P31753	1	Oil Baffle	
5	P31754	1	O-Ring	
6	P31736	1	O-Ring	
7	P31755	8	Capscrew, Hx, M8 x 20mm	
8	P31756	8	Washer	
9	P32076	4	Plug, Hollow Hx,	
10	P32018	5	O-Ring	
11	P31751	6	Nut, Hx, M10	
12	P31745	1	Bracket	
13	P31744	1	Breather	
14	P31748	3	Capscrew, Hx, M10 x 45mm	
15	P31746	3	Capscrew, Hx, M10 x 55mm	
16	P31750	3	Capscrew, Hx, M10 x 70mm	
17	P31749	2	Capscrew, Hx, M10 x 85mm	
18	P31747	17	Capscrew, Hx, M10 x 32mm	
19	P32083	1	Cup, Sealing	
20	P32077	1	Transmitter, Inductive	
21	P31742	2	Plug, Drain	
22	P31743	2	O-Ring	
23	P31737	1	Housing, Gearbox	
24	P31740	3	Capscrew, Socket Hd, M8 x 35mm	
25	P31741	5	Cap, Sealing	
26	P31752	1	Pin, Dowel	
27	P31735	1	Housing	
28	P31759	1	Ball	
29	P31709	8	O-Ring	
30	P31710	8	Washer	
31	P31708	8	Capscrew, Socket Hd, M8 x 40mm	

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FIGURE 1-28. INPUT GROUP (3WG 100) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 101 to Present;
644B-42 SN 101 to Present; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present)



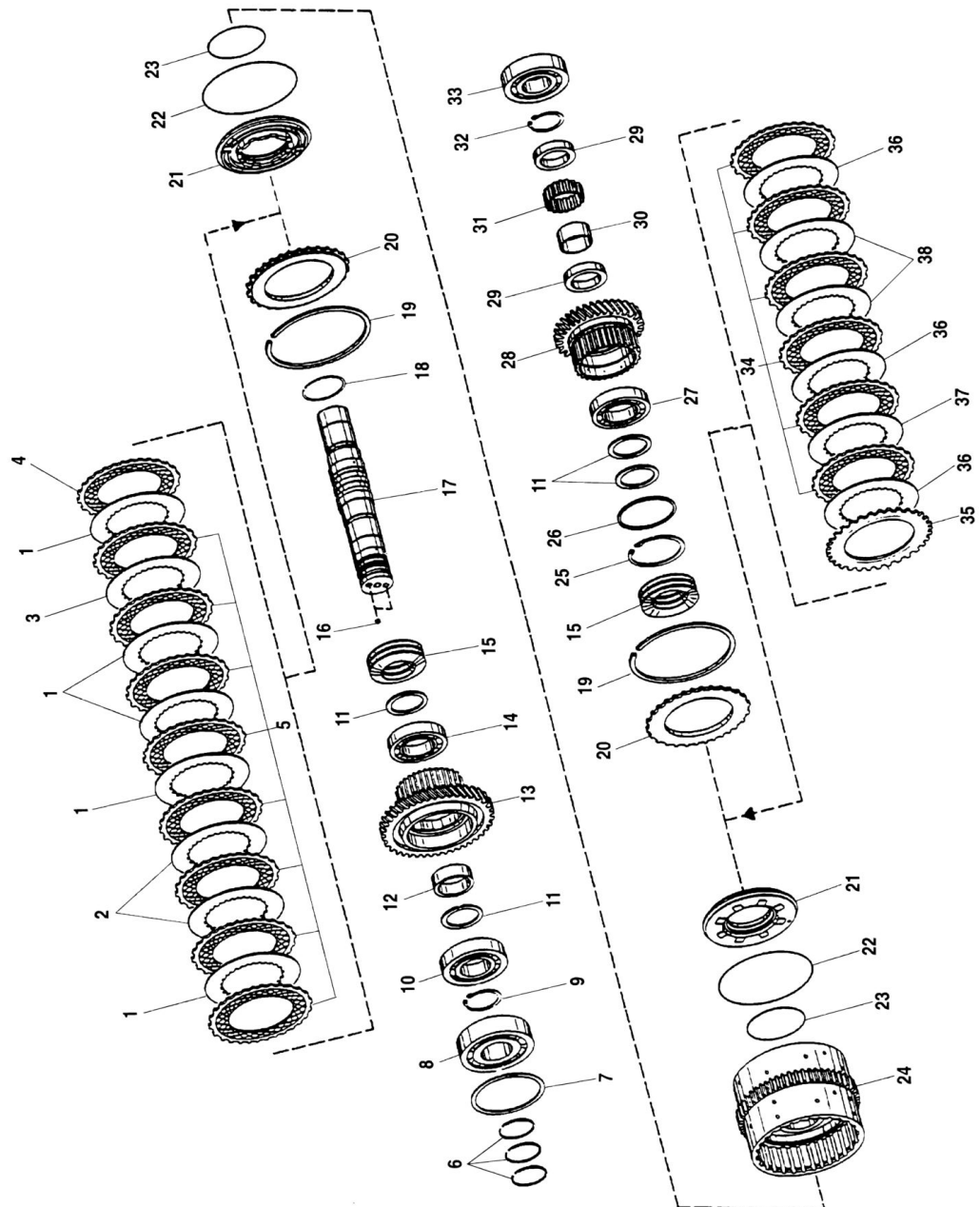
SECTION 1 - DRIVE TRAIN

FIGURE 1-28. INPUT GROUP (3WG 100) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P31734	1	Flange, Oil Feed	
2	P31711	1	Shaft, Turbine	
3	P31732	1	Ring, Snap	
4	P31733	2	Ring, Piston	
5	P31716	AR	Washer, 0.50 mm Thick (.0197 in)	
5	P31717	AR	Washer, 0.60 mm Thick (.0236 in)	
5	P31726	AR	Washer, 0.65 mm Thick (.0256 in)	
5	P31718	AR	Washer, 0.70 mm Thick (.0275 in)	
5	P31727	AR	Washer, 0.75 mm Thick (.0295 in)	
5	P31719	AR	Washer, 0.80 mm Thick (.0315 in)	
5	P31728	AR	Washer, 0.85 mm Thick (.0335 in)	
5	P31720	AR	Washer, 0.90 mm Thick (.0354 in)	
5	P31729	AR	Washer, 0.95 mm Thick (.0374 in)	
5	P31721	AR	Washer, 1.00 mm Thick (.0394 in)	
5	P31730	AR	Washer, 1.05 mm Thick (.0413 in)	
5	P31722	AR	Washer, 1.10 mm Thick (.0433 in)	
5	P31731	AR	Washer, 1.15 mm Thick (.0453 in)	
5	P31715	AR	Washer, 1.20 mm Thick (.0472 in)	
5	P31723	AR	Washer, 1.30 mm Thick (.0512 in)	
5	P31724	AR	Washer, 1.40 mm Thick (.0551 in)	
5	P31725	AR	Washer, 1.50 mm Thick (.0590 in)	
6	P31712	1	Bearing, Roller	
7	P31713	1	Gear, Input	
8	P31714	1	Bearing, Roller	

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FIGURE 1-29. CLUTCH PACK, FORWARD, 1ST GEAR (3WG 100) (644B-37,644B-42,6K-37,6K-42)
(644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present)



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**FIGURE 1-29. CLUTCH PACK, FORWARD, 1ST GEAR (3WG 100) (644B-37,644B-42,6K-37,6K-42)
(644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P31847	5	Disc, Inner Clutch, 2.0 mm Thick (.0787 in)	
2	P31848	2	Disc, Inner Clutch, 1.5 mm Thick (.0590 in)	
3	P31847	AR	Disc, Inner Clutch, 2.0 mm Thick (.0787 in)	
3	P31848	AR	Disc, Inner Clutch, 1.5 mm Thick (.0590 in)	
3	P31849	AR	Disc, Inner Clutch, 2.5 mm Thick (.0984 in)	
4	P31851	1	Disc, Outer Clutch	
5	P31850	8	Disc, Outer Clutch	
6	P31788	3	Ring, Piston	
7	P31763	AR	Shim, 0.90 mm Thick (.0354 in)	
7	P31764	AR	Shim, 0.95 mm Thick (.0374 in)	
7	P31765	AR	Shim, 1.00 mm Thick (.0394 in)	
7	P31766	AR	Shim, 1.05 mm Thick (.0413 in)	
7	P31767	AR	Shim, 1.10 mm Thick (.0433 in)	
7	P31768	AR	Shim, 1.15 mm Thick (.0453 in)	
7	P31769	AR	Shim, 1.20 mm Thick (.0472 in)	
7	P31770	AR	Shim, 1.25 mm Thick (.0492 in)	
7	P31771	AR	Shim, 1.30 mm Thick (.0512 in)	
7	P31772	AR	Shim, 1.35 mm Thick (.0531 in)	
7	P31773	AR	Shim, 1.40 mm Thick (.0551 in)	
7	P31774	AR	Shim, 1.45 mm Thick (.0571 in)	
7	P31775	AR	Shim, 1.50 mm Thick (.0590 in)	
7	P31776	AR	Shim, 1.55 mm Thick (.0610 in)	
7	P31777	AR	Shim, 1.60 mm Thick (.0630 in)	
7	P31778	AR	Shim, 1.65 mm Thick (.0649 in)	
7	P31779	AR	Shim, 1.70 mm Thick (.0669 in)	
7	P31780	AR	Shim, 1.75 mm Thick (.0689 in)	
7	P31781	AR	Shim, 1.80 mm Thick (.0708 in)	
7	P31782	AR	Shim, 1.85 mm Thick (.0728 in)	
7	P31783	AR	Shim, 1.90 mm Thick (.0748 in)	
7	P31784	AR	Shim, 1.95 mm Thick (.0768 in)	
7	P31785	AR	Shim, 2.00 mm Thick (.0787 in)	
7	P31786	AR	Shim, 2.05 mm Thick (.0807 in)	
7	P31787	AR	Shim, 2.10 mm Thick (.0827 in)	
8	P31762	1	Bearing, Ball	
9	P31789	1	Ring, Retaining	
10	P31790	1	Bearing, Ball	
11	P31791	AR	Shim, 1.30 mm Thick (.0512 in)	
11	P31792	AR	Shim, 1.35 mm Thick (.0531 in)	
11	P31793	AR	Shim, 1.40 mm Thick (.0551 in)	
11	P31794	AR	Shim, 1.45 mm Thick (.0571 in)	
11	P31795	AR	Shim, 1.50 mm Thick (.0590 in)	
11	P31796	AR	Shim, 1.55 mm Thick (.0610 in)	
11	P31797	AR	Shim, 1.60 mm Thick (.0630 in)	
11	P31798	AR	Shim, 1.65 mm Thick (.0649 in)	
11	P31799	AR	Shim, 1.70 mm Thick (.0669 in)	
11	P31800	AR	Shim, 1.75 mm Thick (.0689 in)	
11	P31801	AR	Shim, 1.80 mm Thick (.0708 in)	
11	P31802	AR	Shim, 1.85 mm Thick (.0728 in)	

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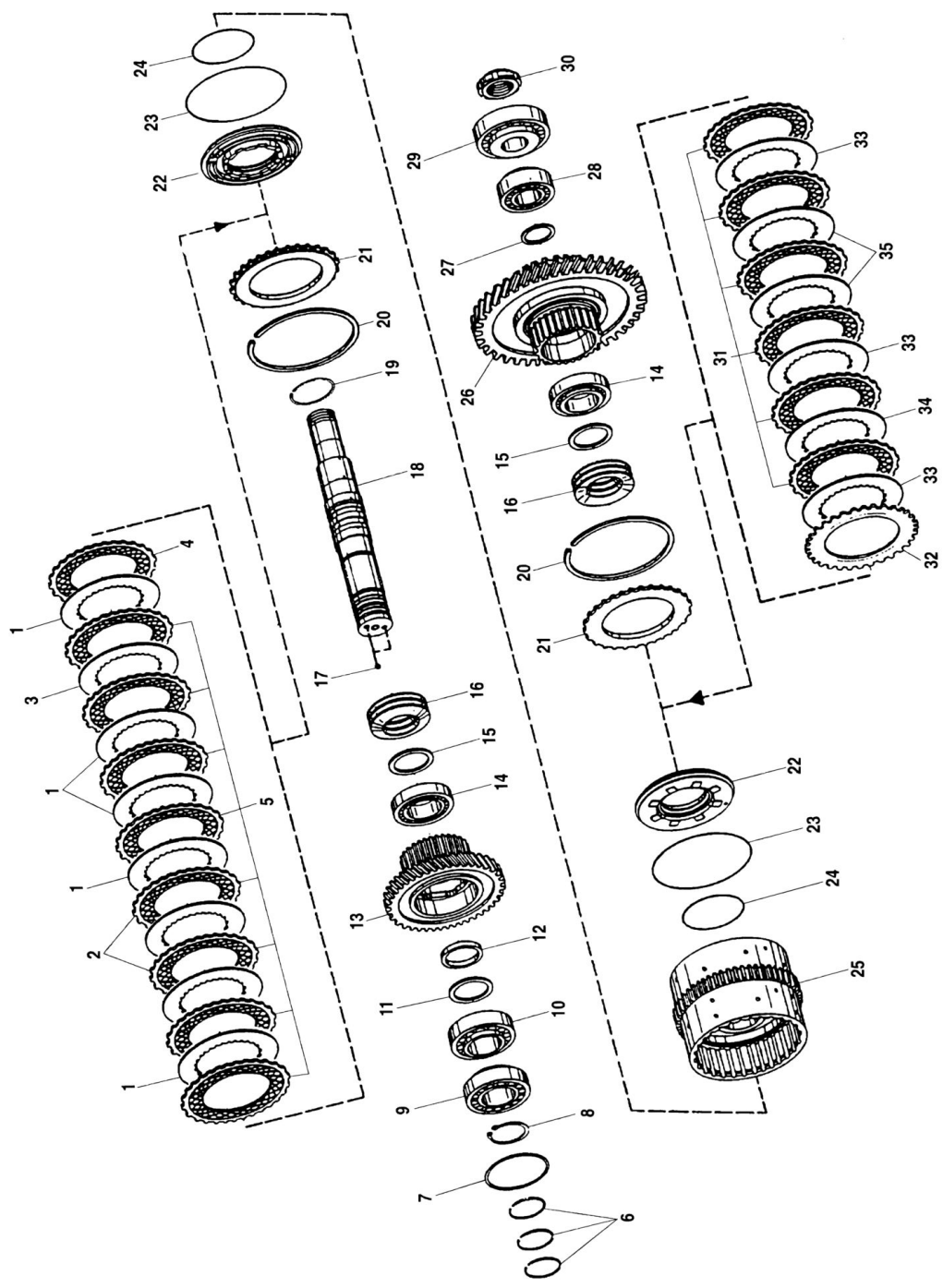
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
11	P31803	AR	Shim, 1.90 mm Thick (.0748 in)	
11	P31804	AR	Shim, 1.95 mm Thick (.0768 in)	
11	P31805	AR	Shim, 2.00 mm Thick (.0787 in)	
11	P31806	AR	Shim, 2.05 mm Thick (.0807 in)	
11	P31807	AR	Shim, 2.10 mm Thick (.0827 in)	
11	P31808	AR	Shim, 2.15 mm Thick (.0846 in)	
11	P31809	AR	Shim, 2.20 mm Thick (.0866 in)	
11	P31810	AR	Shim, 2.25 mm Thick (.0886 in)	
11	P31811	AR	Shim, 2.30 mm Thick (.0905 in)	
11	P31812	AR	Shim, 2.35 mm Thick (.0925 in)	
11	P31813	AR	Shim, 2.40 mm Thick (.0945 in)	
11	P31814	AR	Shim, 2.45 mm Thick (.0964 in)	
11	P31815	AR	Shim, 2.50 mm Thick (.0984 in)	
11	P31816	AR	Shim, 2.55 mm Thick (.1004 in)	
11	P31817	AR	Shim, 2.60 mm Thick (.1023 in)	
11	P31818	AR	Shim, 2.65 mm Thick (.1043 in)	
11	P31819	AR	Shim, 2.70 mm Thick (.1063 in)	
11	P31820	AR	Shim, 2.75 mm Thick (.1082 in)	
11	P31821	AR	Shim, 2.80 mm Thick (.1102 in)	
12	P31822	1	Bushing	
13	P31823	1	Gear, Spur	
14	P31824	1	Bearing, Ball	
15	P31825	10	Spring, Cup	
16	P31761	2	Ball	
17	P31760	1	Shaft	
18	P31832	1	Ring, Snap	
19	P31826	2	Ring, Snap	
20	P31827	2	Shim, End	
21	P31830	2	Piston	
22	P31829	2	O-Ring	
23	P31828	2	O-Ring	
24	P31831	1	Carrier, Disc	
25	P31840	1	Ring, Retaining	
26	P31834	AR	Shim, 0.8 mm Thick (.0315 in)	
26	P31835	AR	Shim, 0.9 mm Thick (.0354 in)	
26	P31836	AR	Shim, 1.0 mm Thick (.0394 in)	
26	P31837	AR	Shim, 1.1 mm Thick (.0433 in)	
26	P31838	AR	Shim, 1.2 mm Thick (.0472 in)	
26	P31839	AR	Shim, 1.3 mm Thick (.0512 in)	
27	P31833	1	Bearing, Ball	
28	P31843	1	Gear, Spur	
29	P31842	2	Bushing	
30	P31844	1	Ring, Internal	
31	P31841	1	Needle Cage	
32	P31845	1	Ring, Retaining	
33	P31846	1	Bearing, Ball	
34	P31850	6	Outer Clutch	
35	P31851	1	Outer Clutch	
36	P31847	3	Inner Clutch, 2.0 mm Thick (.0787 in)	
37	P31847	AR	Inner Clutch, 2.0 mm Thick (.0787 in)	
37	P31848	AR	Inner Clutch, 1.5 mm Thick (.0590 in)	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
37	P31849	AR	Inner Clutch, 2.5 mm Thick (.0984 in)	
38	P31848	2	Inner Clutch, 1.5 mm Thick (.0590 in)	

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FIGURE 1-30. CLUTCH PACK, REVERSE, 2ND GEAR (3WG 100) (644B-37,644B-42,6K-37,6K-42)
(644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present)



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**FIGURE 1-30. CLUTCH PACK, REVERSE, 2ND GEAR (3WG 100) (644B-37,644B-42,6K-37,6K-42)
(644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P31847	5	Disc, Inner Clutch, 2.0 mm Thick (.0787 in)	
2	P31848	2	Disc, Inner Clutch, 1.5 mm Thick (.0590 in)	
3	P31847	AR	Disc, Inner Clutch, 2.0 mm Thick (.0787 in)	
3	P31848	AR	Disc, Inner Clutch, 1.5 mm Thick (.0590 in)	
3	P31849	AR	Disc, Inner Clutch, 2.5 mm Thick (.0984 in)	
4	P31851	1	Disc, Outer Clutch	
5	P31850	8	Disc, Outer Clutch	
6	P31788	3	Ring, Piston	
7	P31854	AR	Washer, 0.80 mm Thick (.0315 in)	
7	P31855	AR	Washer, 0.85 mm Thick (.0335 in)	
7	P31856	AR	Washer, 0.90 mm Thick (.0354 in)	
7	P31857	AR	Washer, 0.95 mm Thick (.0374 in)	
7	P31858	AR	Washer, 1.00 mm Thick (.0394 in)	
7	P31859	AR	Washer, 1.05 mm Thick (.0413 in)	
7	P31860	AR	Washer, 1.10 mm Thick (.0433 in)	
7	P31861	AR	Washer, 1.15 mm Thick (.0453 in)	
7	P31862	AR	Washer, 1.20 mm Thick (.0472 in)	
7	P31863	AR	Washer, 1.25 mm Thick (.0492 in)	
7	P31864	AR	Washer, 1.30 mm Thick (.0512 in)	
7	P31865	AR	Washer, 1.35 mm Thick (.0531 in)	
7	P31866	AR	Washer, 1.40 mm Thick (.0551 in)	
7	P31867	AR	Washer, 1.45 mm Thick (.0571 in)	
7	P31868	AR	Washer, 1.50 mm Thick (.0590 in)	
7	P31869	AR	Washer, 1.55 mm Thick (.0610 in)	
7	P31870	AR	Washer, 1.60 mm Thick (.0630 in)	
7	P31871	AR	Washer, 1.65 mm Thick (.0649 in)	
7	P31872	AR	Washer, 1.70 mm Thick (.0669 in)	
7	P31873	AR	Washer, 1.75 mm Thick (.0689 in)	
7	P31874	AR	Washer, 1.80 mm Thick (.0708 in)	
7	P31875	AR	Washer, 1.85 mm Thick (.0728 in)	
7	P31876	AR	Washer, 1.90 mm Thick (.0748 in)	
7	P31877	AR	Washer, 1.95 mm Thick (.0768 in)	
7	P31878	AR	Washer, 2.00 mm Thick (.0787 in)	
7	P31879	AR	Washer, 2.05 mm Thick (.0807 in)	
7	P31880	AR	Washer, 2.10 mm Thick (.0827 in)	
7	P31881	AR	Washer, 2.15 mm Thick (.0846 in)	
7	P31882	AR	Washer, 2.20 mm Thick (.0866 in)	
7	P31883	AR	Washer, 2.25 mm Thick (.0886 in)	
7	P31884	AR	Washer, 2.30 mm Thick (.0905 in)	
7	P31885	AR	Washer, 2.35 mm Thick (.0925 in)	
7	P31886	AR	Washer, 2.40 mm Thick (.0945 in)	
8	P31789	1	Ring, Retaining	
9	P31853	1	Bearing, Roller	
10	P31714	1	Bearing, Roller	
11	P31791	AR	Shim, 1.30 mm Thick (.0512 in)	
11	P31792	AR	Shim, 1.35 mm Thick (.0531 in)	
11	P31793	AR	Shim, 1.40 mm Thick (.0551 in)	
11	P31794	AR	Shim, 1.45 mm Thick (.0571 in)	

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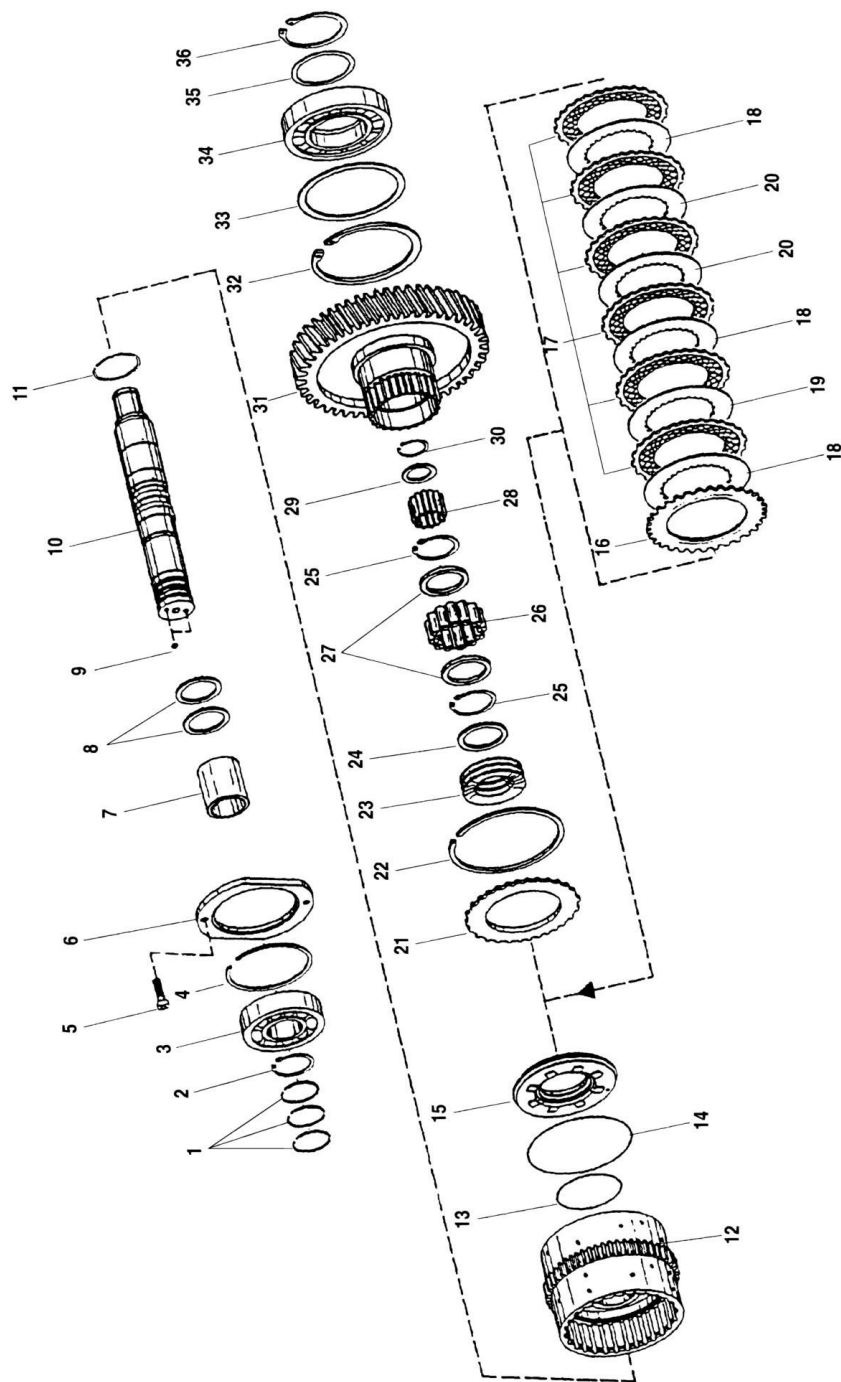
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
11	P31795	AR	Shim, 1.50 mm Thick (.0590 in)	
11	P31796	AR	Shim, 1.55 mm Thick (.0610 in)	
11	P31797	AR	Shim, 1.60 mm Thick (.0630 in)	
11	P31798	AR	Shim, 1.65 mm Thick (.0649 in)	
11	P31799	AR	Shim, 1.70 mm Thick (.0669 in)	
11	P31800	AR	Shim, 1.75 mm Thick (.0689 in)	
11	P31801	AR	Shim, 1.80 mm Thick (.0708 in)	
11	P31802	AR	Shim, 1.85 mm Thick (.0728 in)	
11	P31803	AR	Shim, 1.90 mm Thick (.0748 in)	
11	P31804	AR	Shim, 1.95 mm Thick (.0768 in)	
11	P31805	AR	Shim, 2.00 mm Thick (.0787 in)	
11	P31806	AR	Shim, 2.05 mm Thick (.0807 in)	
11	P31807	AR	Shim, 2.10 mm Thick (.0827 in)	
11	P31808	AR	Shim, 2.15 mm Thick (.0846 in)	
11	P31809	AR	Shim, 2.20 mm Thick (.0866 in)	
11	P31810	AR	Shim, 2.25 mm Thick (.0886 in)	
11	P31811	AR	Shim, 2.30 mm Thick (.0905 in)	
11	P31812	AR	Shim, 2.35 mm Thick (.0925 in)	
11	P31813	AR	Shim, 2.40 mm Thick (.0945 in)	
11	P31814	AR	Shim, 2.45 mm Thick (.0964 in)	
11	P31815	AR	Shim, 2.50 mm Thick (.0984 in)	
11	P31816	AR	Shim, 2.55 mm Thick (.1004 in)	
11	P31817	AR	Shim, 2.60 mm Thick (.1023 in)	
11	P31818	AR	Shim, 2.65 mm Thick (.1043 in)	
11	P31819	AR	Shim, 2.70 mm Thick (.1063 in)	
11	P31820	AR	Shim, 2.75 mm Thick (.1082 in)	
11	P31821	AR	Shim, 2.80 mm Thick (.1102 in)	
12	P31887	1	Bushing	
13	P31889	1	Gear, Spur	
14	P31888	2	Bearing, Roller	
15	P31805	2	Shim	
16	P31825	10	Spring, Cup	
17	P31761	2	Ball	
18	P31852	1	Shaft	
19	P31832	1	Ring, Snap	
20	P31826	2	Ring, Snap	
21	P31827	2	Shim, End	
22	P31830	2	Piston	
23	P31829	2	O-Ring	
24	P31828	2	O-Ring	
25	P31831	1	Carrier, Disc	
26	P31890	1	Gear, Spur	
27	P31893	AR	Shim, 1.00 mm Thick (.0394 in)	
27	P31894	AR	Shim, 1.05 mm Thick (.0413 in)	
27	P31895	AR	Shim, 1.10 mm Thick (.0433 in)	
27	P31896	AR	Shim, 1.15 mm Thick (.0453 in)	
27	P31897	AR	Shim, 1.20 mm Thick (.0472 in)	
27	P31898	AR	Shim, 1.25 mm Thick (.0492 in)	
27	P31899	AR	Shim, 1.30 mm Thick (.0512 in)	
27	P31900	AR	Shim, 1.35 mm Thick (.0531 in)	
27	P31901	AR	Shim, 1.40 mm Thick (.0551 in)	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
27	P31902	AR	Shim, 1.45 mm Thick (.0571 in)	
27	P31903	AR	Shim, 1.50 mm Thick (.0590 in)	
27	P31904	AR	Shim, 1.55 mm Thick (.0610 in)	
27	P31905	AR	Shim, 1.60 mm Thick (.0630 in)	
27	P31906	AR	Shim, 1.65 mm Thick (.0649 in)	
27	P31907	AR	Shim, 1.70 mm Thick (.0669 in)	
27	P31908	AR	Shim, 1.75 mm Thick (.0689 in)	
27	P31909	AR	Shim, 1.80 mm Thick (.0708 in)	
28	P31891	1	Bearing, Roller	
29	P31892	1	Bearing, Roller	
30	P31910	1	Nut, Slotted	
31	P31850	6	Disc, Outer Clutch	
32	P31851	1	Disc, Outer Clutch	
33	P31847	3	Disc, Inner Clutch, 2.0 mm Thick (.0787 in)	
34	P31847	AR	Disc, Inner Clutch, 2.0 mm Thick (.0787 in)	
34	P31848	AR	Disc, Inner Clutch, 1.5 mm Thick (.0590 in)	
34	P31849	AR	Disc, Inner Clutch, 2.5 mm Thick (.0984 in)	
35	P31848	2	Disc, Inner Clutch, 1.5 mm Thick (.0590 in)	

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FIGURE 1-31. CLUTCH PACK, 3RD GEAR (3WG 100) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present)



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FIGURE 1-31. CLUTCH PACK, 3RD GEAR (3WG 100) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present)

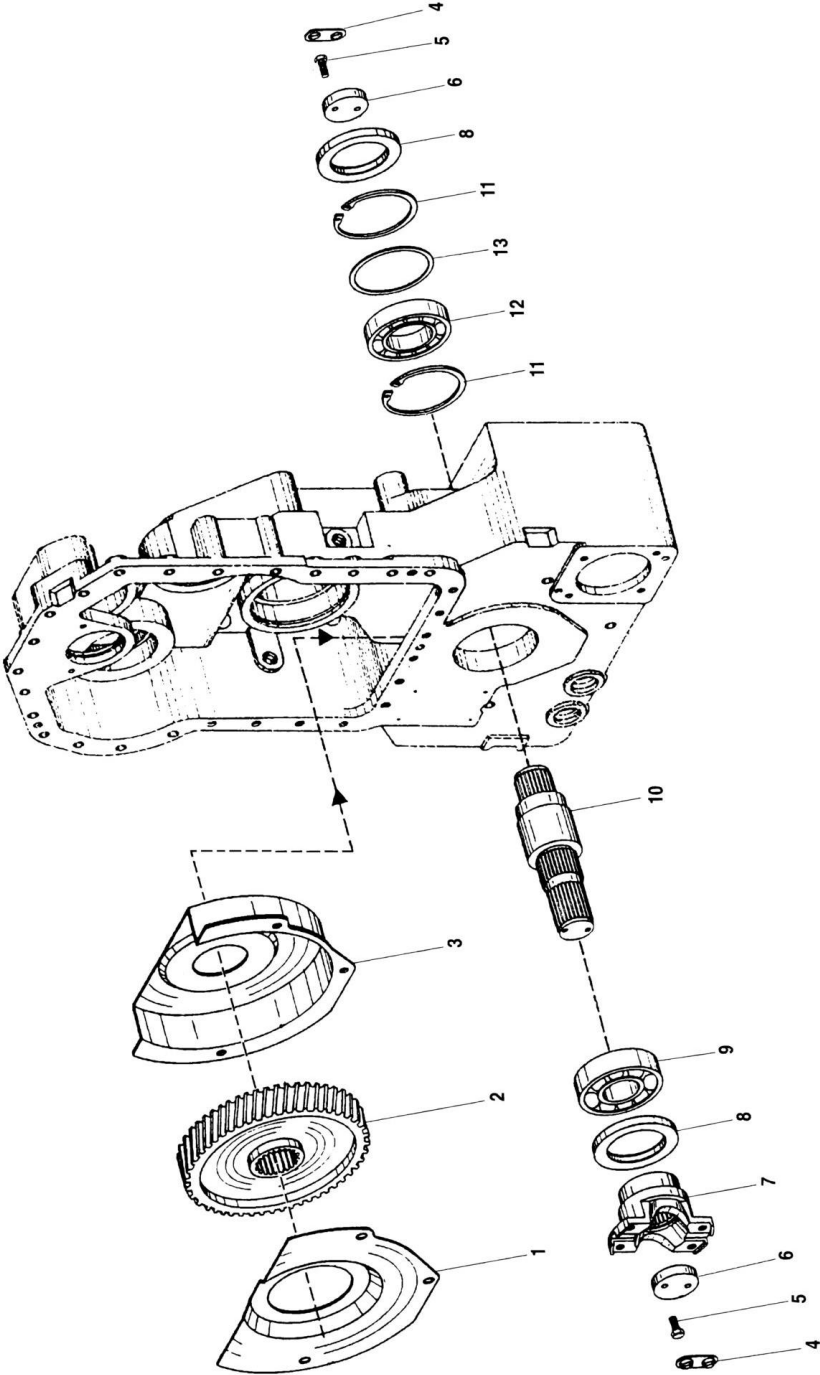
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P31788	3	Ring, Piston	
2	P31789	1	Ring, Retaining	
3	P31912	1	Bearing, Ball	
4	P31913	1	Ring, Snap	
5	P31740	2	Capscrew, Socket Hd, M8 x 35mm	
6	P31914	1	Washer	
7	P31915	1	Bushing	
8	P31791	AR	Shim, 1.30 mm Thick (.0512 in)	
8	P31792	AR	Shim, 1.35 mm Thick (.0531 in)	
8	P31793	AR	Shim, 1.40 mm Thick (.0551 in)	
8	P31794	AR	Shim, 1.45 mm Thick (.0571 in)	
8	P31795	AR	Shim, 1.50 mm Thick (.0590 in)	
8	P31796	AR	Shim, 1.55 mm Thick (.0610 in)	
8	P31797	AR	Shim, 1.60 mm Thick (.0630 in)	
8	P31798	AR	Shim, 1.65 mm Thick (.0649 in)	
8	P31799	AR	Shim, 1.70 mm Thick (.0669 in)	
8	P31800	AR	Shim, 1.75 mm Thick (.0689 in)	
8	P31801	AR	Shim, 1.80 mm Thick (.0708 in)	
8	P31802	AR	Shim, 1.85 mm Thick (.0728 in)	
8	P31803	AR	Shim, 1.90 mm Thick (.0748 in)	
8	P31804	AR	Shim, 1.95 mm Thick (.0768 in)	
8	P31805	AR	Shim, 2.00 mm Thick (.0787 in)	
8	P31806	AR	Shim, 2.05 mm Thick (.0807 in)	
8	P31807	AR	Shim, 2.10 mm Thick (.0827 in)	
8	P31808	AR	Shim, 2.15 mm Thick (.0846 in)	
8	P31809	AR	Shim, 2.20 mm Thick (.0866 in)	
8	P31810	AR	Shim, 2.25 mm Thick (.0886 in)	
8	P31811	AR	Shim, 2.30 mm Thick (.0905 in)	
8	P31812	AR	Shim, 2.35 mm Thick (.0925 in)	
8	P31813	AR	Shim, 2.40 mm Thick (.0945 in)	
8	P31814	AR	Shim, 2.45 mm Thick (.0964 in)	
8	P31815	AR	Shim, 2.50 mm Thick (.0984 in)	
8	P31816	AR	Shim, 2.55 mm Thick (.1004 in)	
8	P31817	AR	Shim, 2.60 mm Thick (.1023 in)	
8	P31818	AR	Shim, 2.65 mm Thick (.1043 in)	
8	P31819	AR	Shim, 2.70 mm Thick (.1063 in)	
8	P31820	AR	Shim, 2.75 mm Thick (.1082 in)	
8	P31821	AR	Shim, 2.80 mm Thick (.1102 in)	
9	P31761	2	Ball	
10	P31911	1	Shaft	
11	P31832	1	Ring, Snap	
12	P31916	1	Carrier, Disc	
13	P31828	1	O-Ring	
14	P31829	1	O-Ring	
15	P31830	1	Piston	
16	P31851	1	Disc, Outer Clutch	
17	P31850	6	Disc, Outer Clutch	
18	P31847	3	Disc, Inner Clutch, 2.0 mm Thick (.0787 in)	
19	P31847	AR	Disc, Inner Clutch, 2.0 mm Thick (.0787 in)	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
19	P31848	AR	Disc, Inner Clutch, 1.5 mm Thick (.0590 in)	
19	P31849	AR	Disc, Inner Clutch, 2.5 mm Thick (.0984 in)	
20	P31848	2	Disc, Inner Clutch, 1.5 mm Thick (.0590 in)	
21	P31827	1	Shim, End	
22	P31826	1	Ring, Snap	
23	P31825	5	Spring, Cup	
24	P31919	AR	Shim, 3.40 mm Thick (1.338 in)	
24	P31920	AR	Shim, 1.60 mm Thick (.0630 in)	
25	P31921	2	Ring, Retaining	
26	P31918	1	Cage, Roller	
27	P31922	2	Washer, Thrust	
28	P31950	1	Cage, Needle	
29	P31951	1	Shim	
30	P31952	1	Ring, Retaining	
31	P31917	1	Gear, Spur	
32	P31928	1	Ring, Retaining	
33	P31929	AR	Washer, 1.00 mm Thick (.0394 in)	
33	P31930	AR	Washer, 1.05 mm Thick (.0413 in)	
33	P31931	AR	Washer, 1.10 mm Thick (.0433 in)	
33	P31932	AR	Washer, 1.15 mm Thick (.0453 in)	
33	P31933	AR	Washer, 1.20 mm Thick (.0472 in)	
33	P31934	AR	Washer, 1.25 mm Thick (.0492 in)	
33	P31935	AR	Washer, 1.30 mm Thick (.0512 in)	
33	P31936	AR	Washer, 1.35 mm Thick (.0531 in)	
33	P31937	AR	Washer, 1.40 mm Thick (.0551 in)	
34	P31927	1	Bearing, Roller	
35	P31938	AR	Shim, 0.80 mm Thick (.0315 in)	
35	P31939	AR	Shim, 0.85 mm Thick (.0335 in)	
35	P31940	AR	Shim, 0.90 mm Thick (.0354 in)	
35	P31941	AR	Shim, 0.95 mm Thick (.0374 in)	
35	P31942	AR	Shim, 1.00 mm Thick (.0394 in)	
35	P31943	AR	Shim, 1.05 mm Thick (.0413 in)	
35	P31944	AR	Shim, 1.10 mm Thick (.0433 in)	
35	P31945	AR	Shim, 1.15 mm Thick (.0453 in)	
35	P31946	AR	Shim, 1.20 mm Thick (.0472 in)	
35	P31947	AR	Shim, 1.25 mm Thick (.0492 in)	
35	P31948	AR	Shim, 1.30 mm Thick (.0512 in)	
36	P31949	1	Ring, Retaining	

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FIGURE 1-32. OUTPUT GROUP (3WG 100) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present)



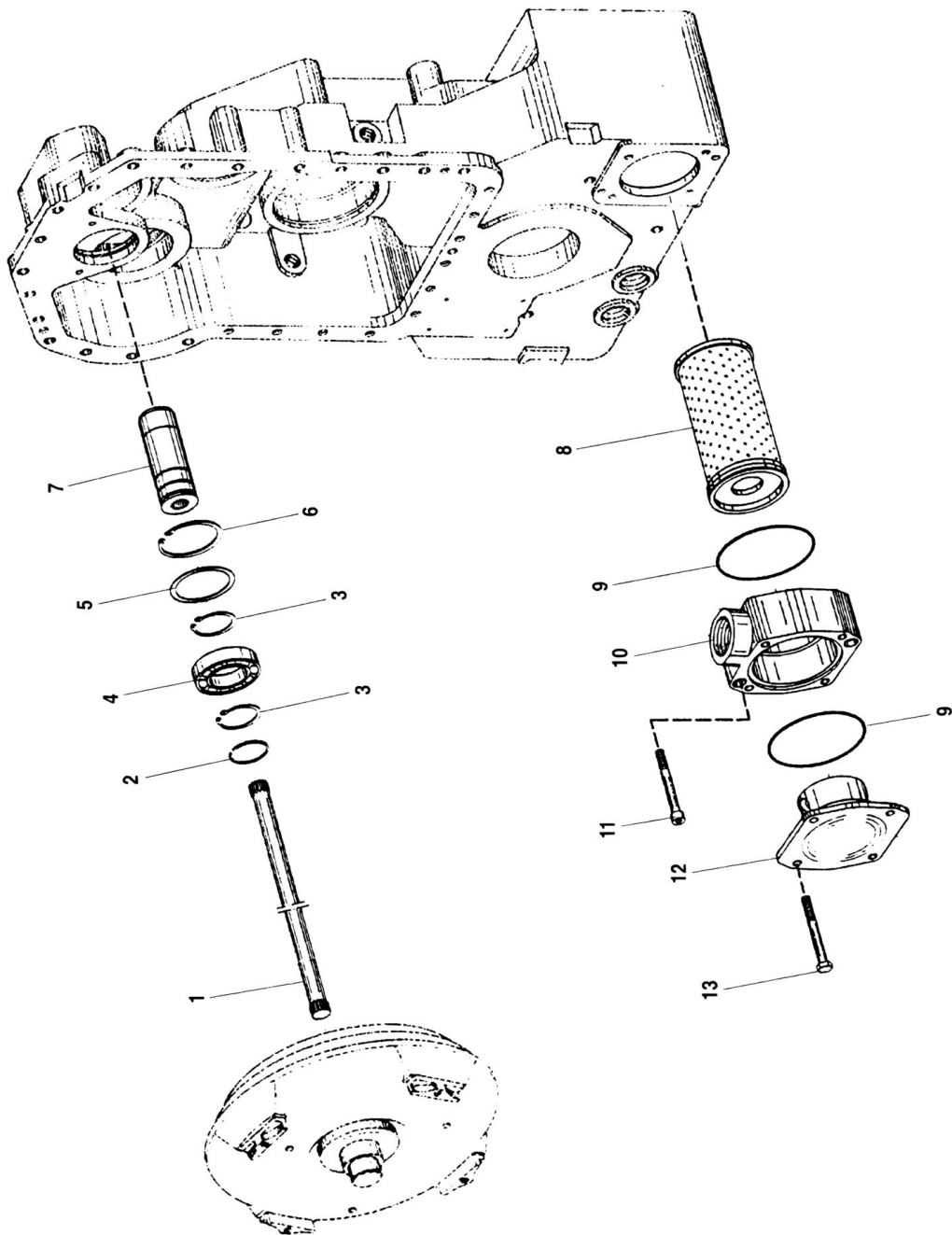
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FIGURE 1-32. OUTPUT GROUP (3WG 100) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P31739	1	Shield, Plate	
2	P31954	1	Gear, Output	
3	P31738	1	Cover, Output Gear	
4	P31958	2	Washer, Tab	
5	P31959	4	Capscrew, Hx, M8 x 25mm	
6	P31957	2	Washer	
7	P31956	1	Flange, Input	
8	P31977	2	Seal, Shaft	
9	P31955	1	Bearing, Ball	
10	P31953	1	Shaft, Output	
11	P31961	2	Ring, Retaining	
12	P31960	1	Bearing, Ball	
13	P31962	AR	Shim, 1.00 mm Thick (.0394 in)	
13	P31963	AR	Shim, 1.05 mm Thick (.0413 in)	
13	P31964	AR	Shim, 1.10 mm Thick (.0433 in)	
13	P31965	AR	Shim, 1.15 mm Thick (.0453 in)	
13	P31966	AR	Shim, 1.20 mm Thick (.0472 in)	
13	P31967	AR	Shim, 1.25 mm Thick (.0492 in)	
13	P31968	AR	Shim, 1.30 mm Thick (.0512 in)	
13	P31969	AR	Shim, 1.35 mm Thick (.0531 in)	
13	P31970	AR	Shim, 1.40 mm Thick (.0551 in)	
13	P31971	AR	Shim, 1.45 mm Thick (.0571 in)	
13	P31972	AR	Shim, 1.50 mm Thick (.0590 in)	
13	P31973	AR	Shim, 1.55 mm Thick (.0610 in)	
13	P31974	AR	Shim, 1.60 mm Thick (.0630 in)	
13	P31975	AR	Shim, 1.65 mm Thick (.0649 in)	
13	P31976	AR	Shim, 1.70 mm Thick (.0669 in)	

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FIGURE 1-33. POWER TAKE-OFF AND FILTER (3WG 100) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present)



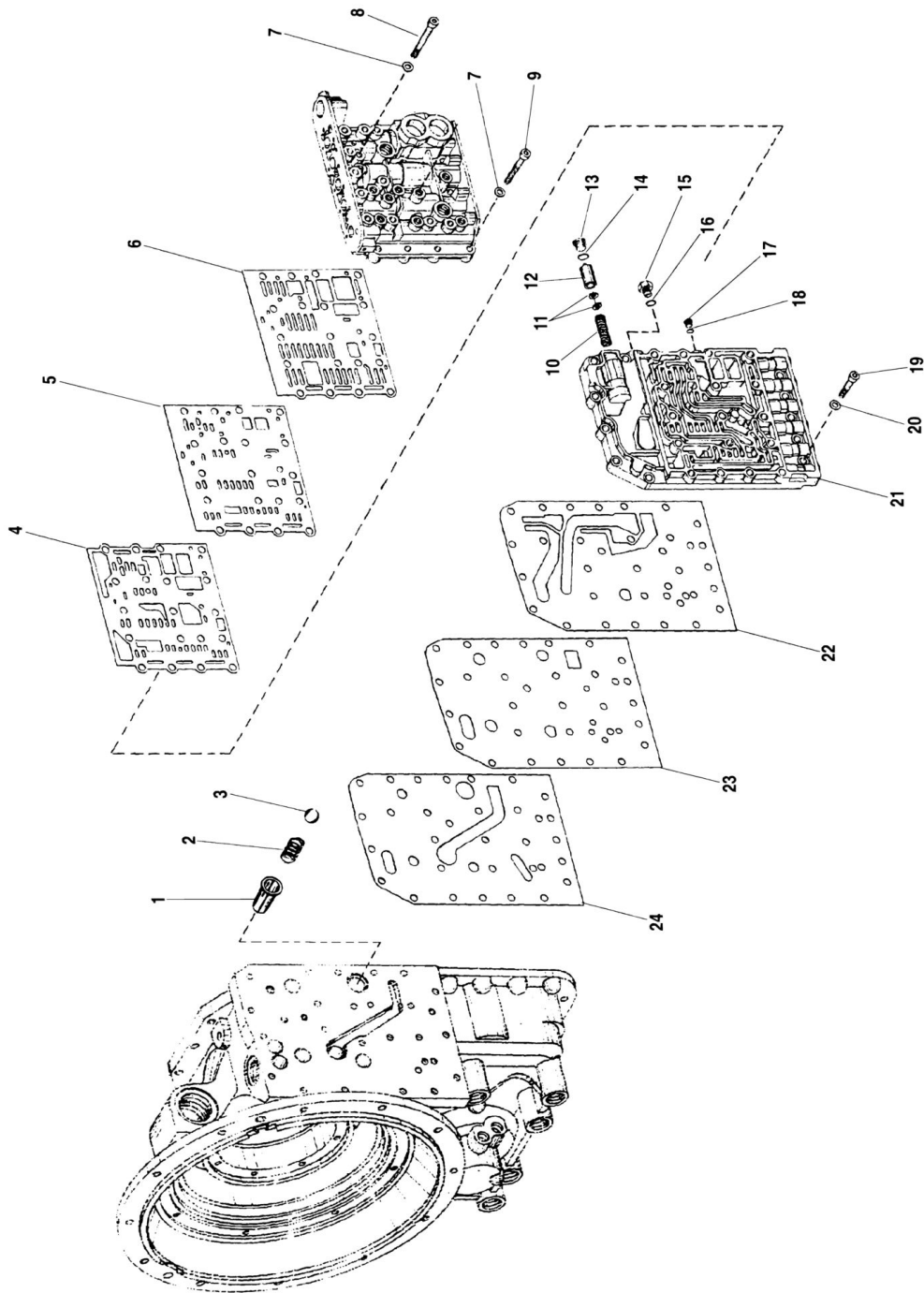
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FIGURE 1-33. POWER TAKE-OFF AND FILTER (3WG 100) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P31989	1	Shaft, Central	
2	P31733	1	Ring, Piston	
3	P31845	2	Ring, Retaining	
4	P31991	1	Bearing, Ball	
5	P31992	AR	Shim, 1.00 mm Thick (.0394 in)	
5	P31993	AR	Shim, 1.05 mm Thick (.0413 in)	
5	P31994	AR	Shim, 1.10 mm Thick (.0433 in)	
5	P31995	AR	Shim, 1.15 mm Thick (.0453 in)	
5	P31996	AR	Shim, 1.20 mm Thick (.0472 in)	
5	P31997	AR	Shim, 1.25 mm Thick (.0492 in)	
5	P31998	AR	Shim, 1.30 mm Thick (.0512 in)	
5	P31999	AR	Shim, 1.35 mm Thick (.0531 in)	
5	P32000	AR	Shim, 1.40 mm Thick (.0551 in)	
5	P32001	AR	Shim, 1.45 mm Thick (.0571 in)	
5	P32002	AR	Shim, 1.50 mm Thick (.0590 in)	
5	P32003	AR	Shim, 1.55 mm Thick (.0610 in)	
5	P32004	AR	Shim, 1.60 mm Thick (.0630 in)	
6	P32005	1	Ring, Retaining	
7	P31990	1	Bushing	
8	P31926	1	Filter	
9	P31925	2	O-Ring	
10	P31923	1	Fixture, Holding	
11	P04866	2	Capscrew, Socket Hd, M8 x 60mm	
12	P31924	1	Cover	
13	P04114	4	Capscrew, Hx, M8 x 75mm	

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FIGURE 1-34. GEARSHIFT SYSTEM (3WG 100) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present)



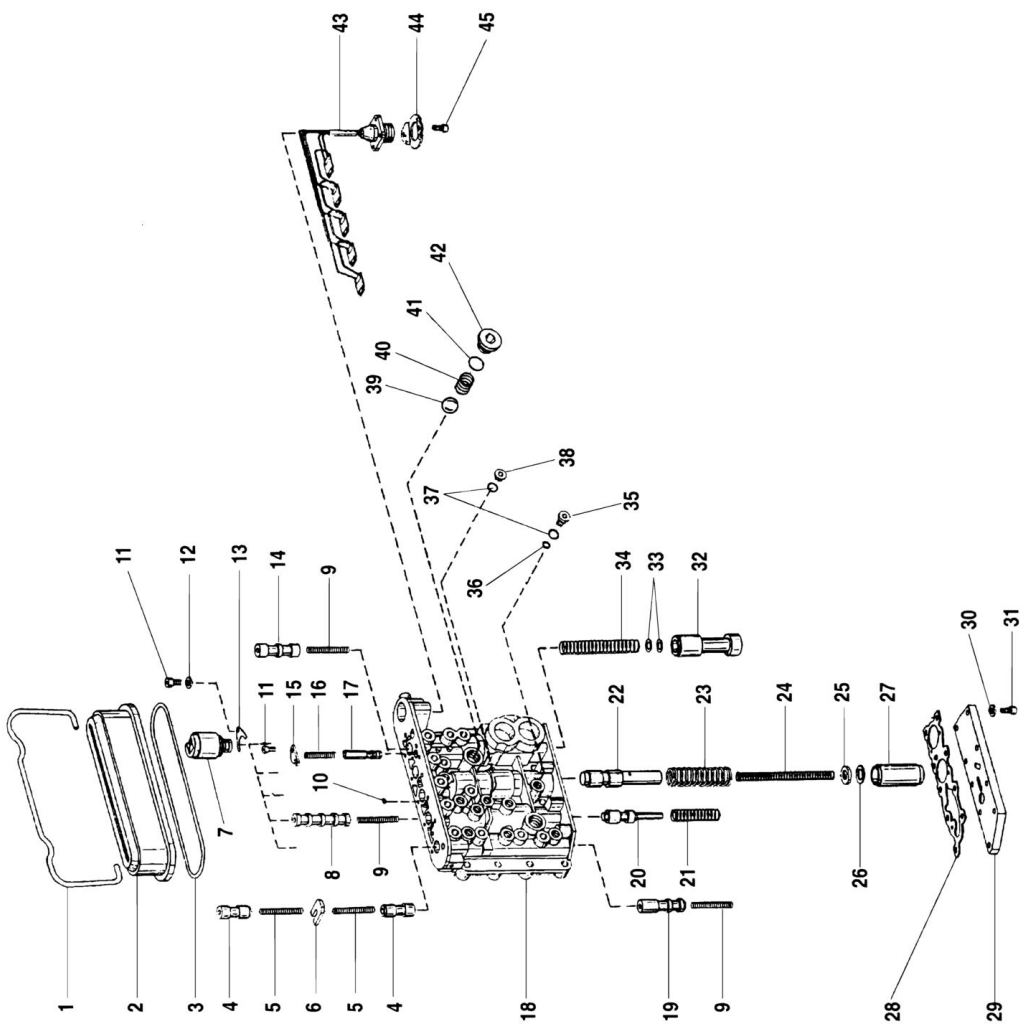
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FIGURE 1-34. GEARSHIFT SYSTEM (3WG 100) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P32074	1	Valve Insert	
2	P32075	1	Spring, Compression	
3	P32071	1	Ball	
4	P32011	1	Gasket	
5	P32012	1	Plate, Cover	
6	P32013	1	Gasket	
7	P31710	17	Washer	
8	P32016	1	Capscrew, Socket Hd, M8 x 85mm	
9	P32014	16	Capscrew, Socket Hd, M8 x 65mm	
10	P32023	1	Spring, Compression	
11	P32022	2	Washer	
12	P32021	1	Spool, Valve	
13	P32024	1	Plug, Screw	
14	P32025	1	O-Ring	
15	P32019	1	Adapter	
16	P32020	1	O-Ring	
17	P32017	1	Plug, Screw	
18	P31709	1	O-Ring	
19	P32010	11	Capscrew, Socket Hd, M8 x 35mm	
20	P31710	11	Washer	
21	P32009	1	Plate, Duct	
22	P32008	1	Gasket	
23	P32007	1	Plate, Cover	
24	P32006	1	Gasket	

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FIGURE 1-35. CONTROL VALVE (3WG 100) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present)



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FIGURE 1-35. CONTROL VALVE (3WG 100) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present)

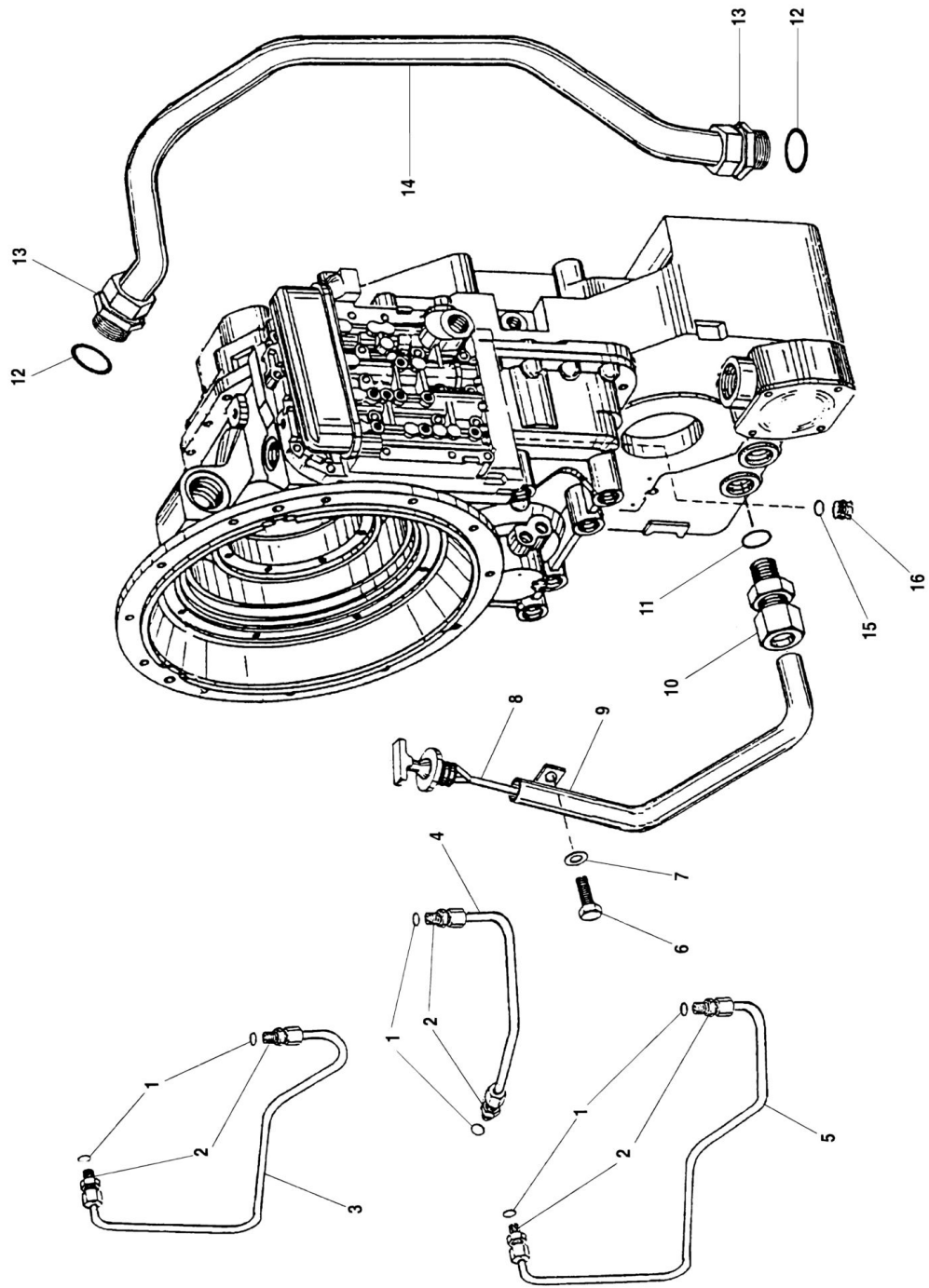
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P32070	1	Bracket, Clamp	
2	P32068	1	Cover	
3	P32069	1	O-Ring	
4	P32050	2	Piston	
5	P32049	2	Spring, Compression	
6	P32048	1	Plate, Stop	
7	P32062	5	Valve, Solenoid	
8	P32055	1	Piston	
9	P32049	3	Spring, Compression	
10	P32061	10	Ball	
11	P32060	7	Capscrew, Socket Hd, M5 x 12mm	
12	P32064	5	Washer	
13	P32063	5	Plate, Fixing	
14	P32056	1	Piston	
15	P32059	1	Plate, Cover	
16	P32058	1	Spring, Compression	
17	P32057	1	Valve, Reduction	
18	P32026	1	Housing, Valve (Note: Ten each of item 10, Ball are required when replacing item 18, Valve Body)	
19	P32051	1	Piston	
20	P32046	1	Piston	
21	P32047	1	Spring, Compression	
22	P32038	1	Piston	
23	P32039	1	Spring, Compression	
24	P32040	1	Spring, Compression	
25	P32042	1	Washer	
26	P32043	AR	Shim, 2.00mm (.0787 in)	
26	P32044	AR	Shim, 1.00mm (.0394 in)	
26	P32045	AR	Shim, .050mm (.0197 in)	
27	P32041	1	Piston	
28	P32052	1	Gasket	
29	P32053	1	Cover	
30	P32015	9	Washer	
31	P32054	9	Capscrew, Socket Hd, M6 x 20mm	
32	P32028	1	Piston	
33	P32029	1	Ring, Shim	
34	P32027	1	Spring, Compression	
35	P32030	AR	Orifice, .60mm (.0236 in)	
35	P32031	AR	Orifice, .65mm (.0256 in)	
35	P32032	AR	Orifice, .70mm (.0275 in)	
35	P32033	AR	Orifice, .75mm (.0296 in)	
35	P32034	AR	Orifice, .80mm (.0315 in)	
35	P32035	AR	Orifice, .85mm (.0335 in)	
35	P32036	AR	Orifice, .90mm (.0354 in)	
36	P32037	1	O-Ring	
37	P31709	9	O-Ring	
38	P32017	8	Plug, Screw	
39	P32071	2	Ball	
40	P32072	2	Spring, Compression	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
41	P32018	2	O-Ring	
42	P32073	2	Plug, Screw	
43	P32065	1	Harness, Wiring	
44	P32067	1	Plate, Support	
45	P32066	2	Capscrew, Socket Hd, M6 x 16mm	

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FIGURE 1-36. OIL TUBES AND DIPSTICK (3WG 100) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present)



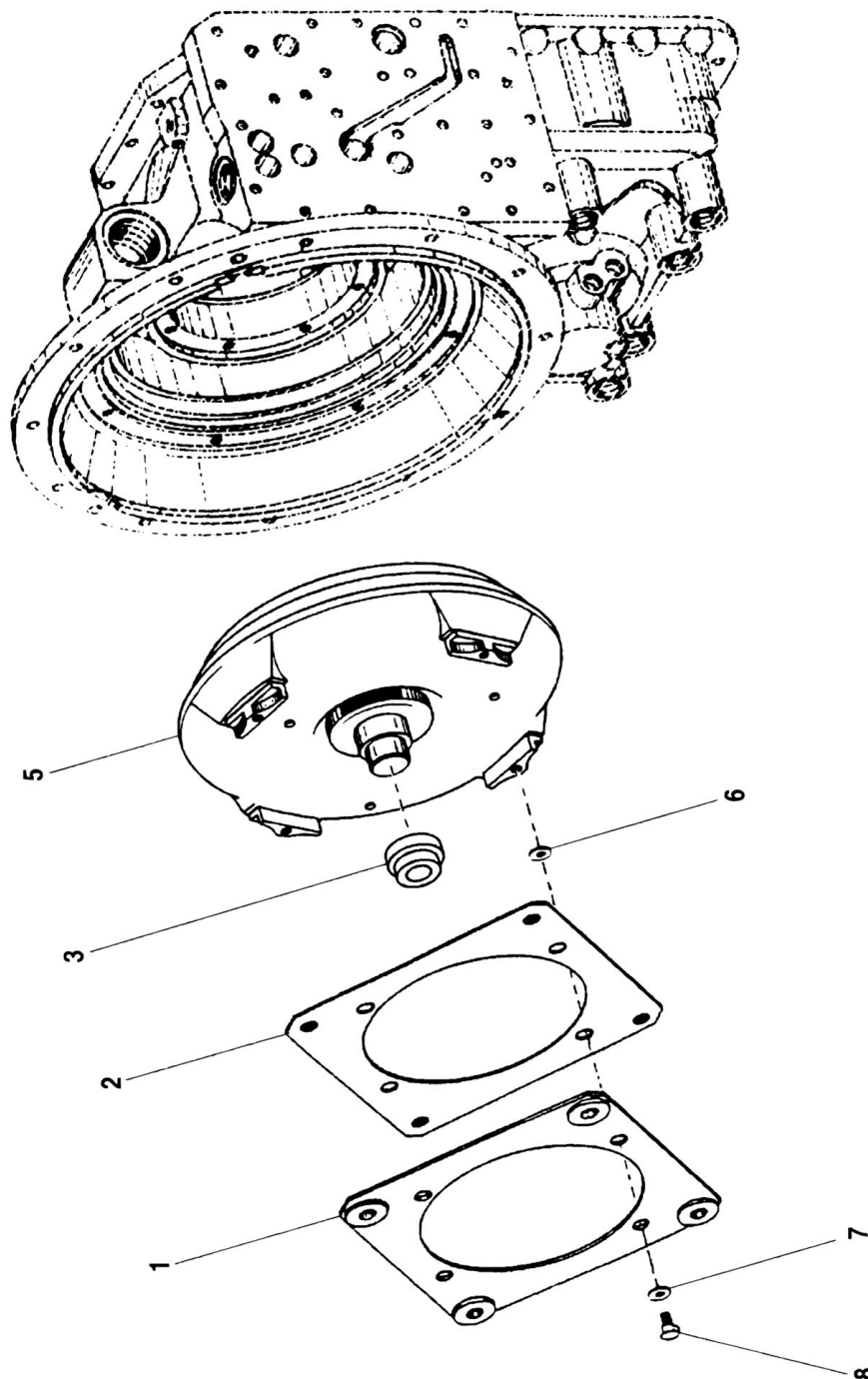
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FIGURE 1-36. OIL TUBES AND DIPSTICK (3WG 100) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P32085	6	O-Ring	
2	P32084	6	Union, Pipe	
3	P32087	1	Tube	
4	P32088	1	Tube	
5	P32086	1	Tube	
6	P32081	1	Capscrew, Hx, M20 x 20mm	
7	P32082	1	Washer	
8	P32080	1	Dipstick, Oil	
9	10837796	1	Tube, Oil Level	
10	P32078	1	Union, Pipe	
11	P31743	1	O-Ring	
12	P32091	2	O-Ring	
13	P32090	2	Union, Pipe	
14	P32089	1	Tube, Suction	
15	P32085	4	O-Ring	
16	P32092	4	Plug, Screw	

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FIGURE 1-37. CONVERTER AND FLEX PLATE (4WG 100) (1044C-42,1044C-54,10K-42,10K-54,844C-42,8K-42) (844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)



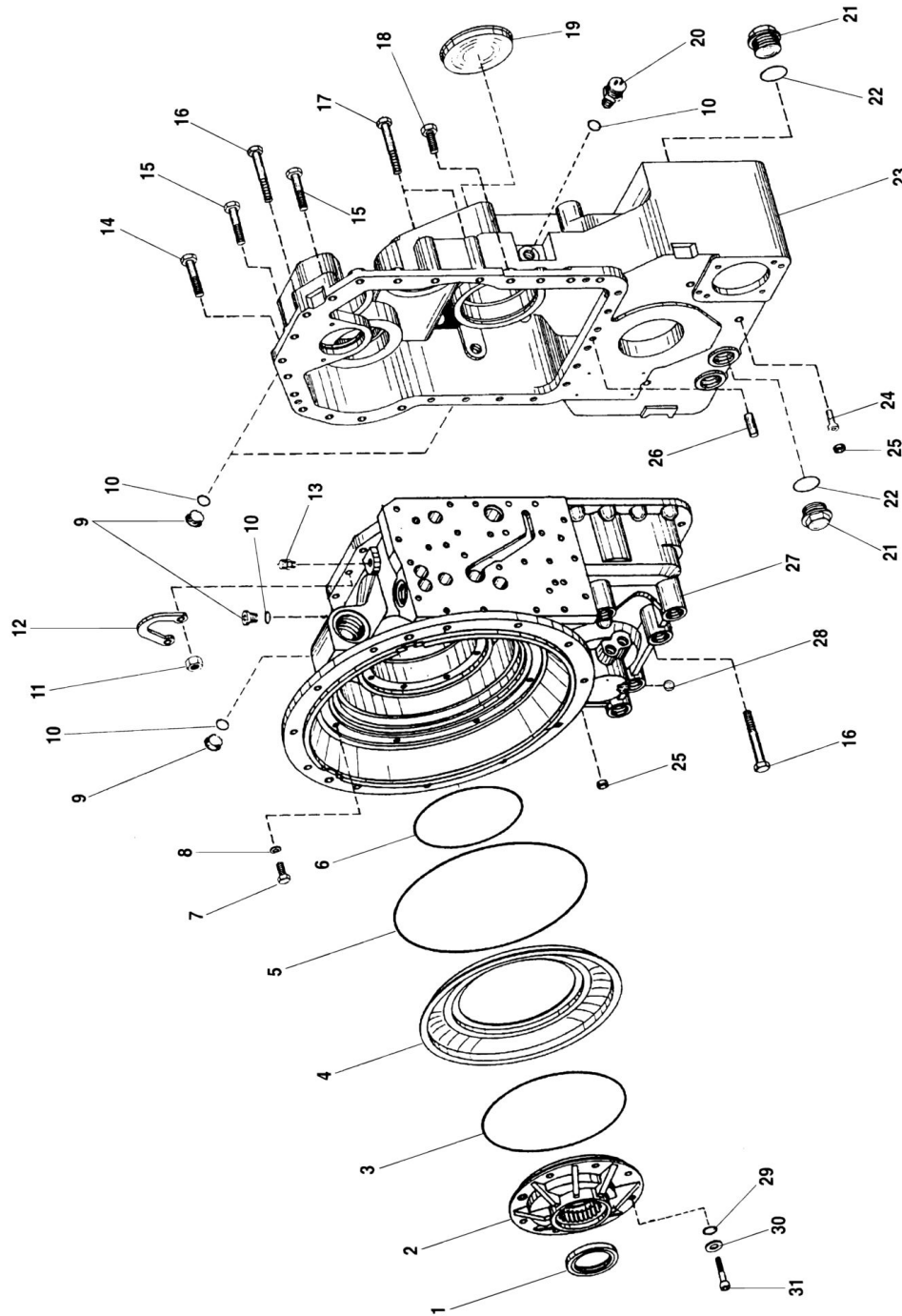
SECTION 1 - DRIVE TRAIN

FIGURE 1-37. CONVERTER AND FLEX PLATE (4WG 100) (1044C-42,1044C-54,10K-42,10K-54,844C-42,8K-42) (844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P31701	1	Flex Plate (for Deere engines only)	
1	P32124	1	Flex Plate (for Cummins engines only)	
2	P31700	1	Flex Plate (for Deere engines only)	
2	P32123	1	Flex Plate (for Cummins engines only)	
3	35049A	Ref	Bushing, Pilot (JD Option Code 1518) (for Deere engines only)	
4	37566X	Ref	Bushing, Pilot (JD Option Code 1525) (for Deere engines only)	
4	35166A	Ref	Bushing, Pilot (for Cummins engines only)	
5	P32102	1	Torque Converter	
6	7026745	4	Washer, M10 (for Deere engines only)	
6	P32095	4	Flatwasher, M10 (for Cummins engines only)	
6	70023906	4	Flatwasher, M10 (for Cummins engines only)	
7	7026745	4	Washer, M10	
8	P31702	4	Capscrew, Hx, M10 x 16mm (for Deere engines only)	
8	P32125	4	Capscrew, Hx, M10 x 18mm (for Cummins engines only)	

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**FIGURE 1-38. GEARBOX HOUSING (4WG 100) (1044C-42,1044C-54,10K-42,10K-54,844C-42,8K-42)
(844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 8K-42 SN 101
to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)**



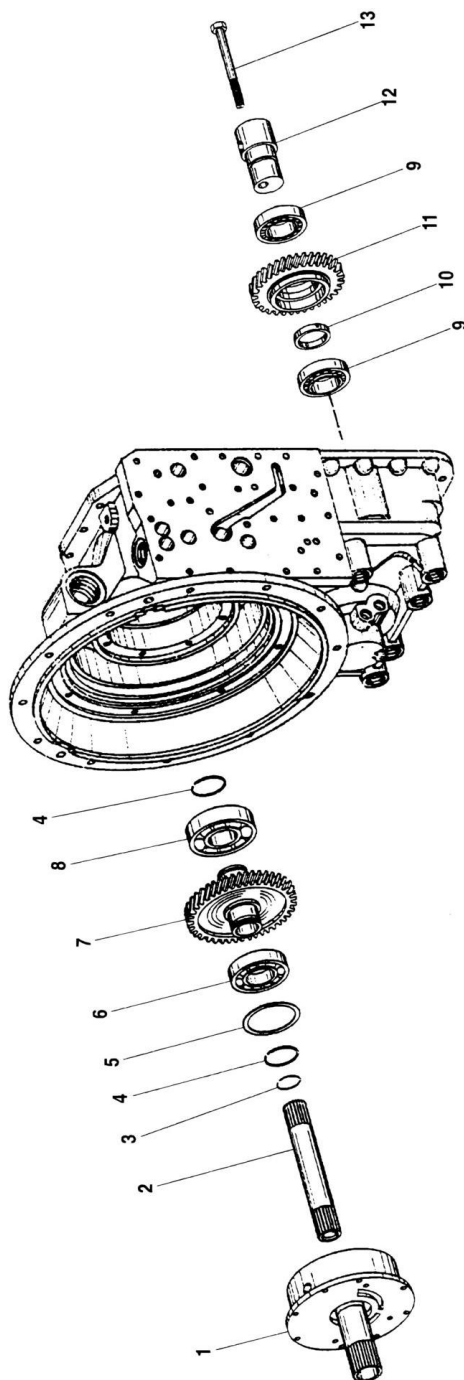
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**FIGURE 1-38. GEARBOX HOUSING (4WG 100) (1044C-42,1044C-54,10K-42,10K-54,844C-42,8K-42)
(844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 8K-42 SN 101
to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P31706	1	Seal, Shaft	
2	P31705	1	Pump	
3	P31707	1	O-Ring	
4	P31753	1	Oil Baffle	
5	P31754	1	O-Ring	
6	P31736	1	O-Ring	
7	P31755	8	Capscrew, Hx, M8 x 20mm	
8	P31756	8	Washer	
9	P32076	4	Plug, Hollow Hx	
10	P32018	5	O-Ring	
11	P31751	6	Nut, Hx, M10	
12	P31745	1	Bracket	
13	P31744	1	Breather	
14	P31748	3	Capscrew, Hx, M10 x 45mm	
15	P31746	3	Capscrew, Hx, M10 x 55mm	
16	P31750	3	Capscrew, Hx, M10 x 70mm	
17	P31749	2	Capscrew, Hx, M10 x 85mm	
18	P31747	17	Capscrew, Hx, M10 x 32mm	
19	P32083	1	Cup, Sealing	
20	P32077	1	Transmitter, Inductive	
21	P31742	2	Plug, Drain	
22	P31743	2	O-Ring	
23	P31737	1	Housing, Gearbox	
24	P31740	3	Capscrew, Socket Hd, M8 x 35mm	
25	P31741	5	Cap, Sealing	
26	P31752	1	Pin, Dowel	
27	P31735	1	Housing	
28	P31759	1	Ball	
29	P31709	8	O-Ring	
30	P31710	8	Washer	
31	P31708	8	Capscrew, Socket Hd, M8 x 40mm	

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FIGURE 1-39. INPUT GROUP AND LAYSHAFT (4WG 100) (1044C-42,1044C-54,10K-42,10K-54,844C-42,8K-42) (844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)



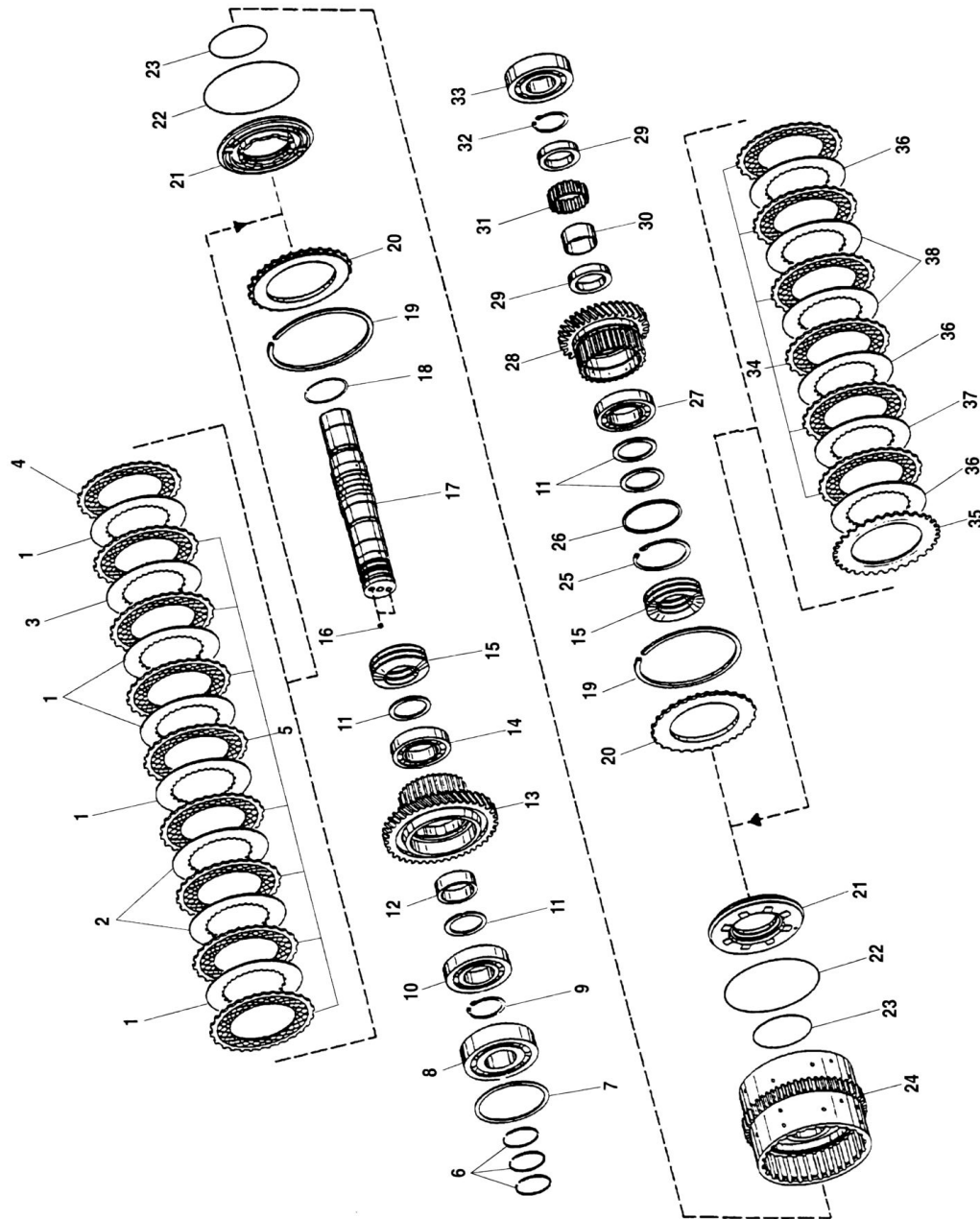
SECTION 1 - DRIVE TRAIN

FIGURE 1-39. INPUT GROUP AND LAYSHAFT (4WG 100) (1044C-42,1044C-54,10K-42,10K-54,844C-42,8K-42) (844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P31734	1	Flange, Oil Feed	
2	P31711	1	Shaft, Turbine	
3	P31732	1	Ring, Snap	
4	P31733	2	Ring, Piston	
5	P31716	AR	Washer, 0.50 mm Thick (.0197 in)	
5	P31717	AR	Washer, 0.60 mm Thick (.0236 in)	
5	P31726	AR	Washer, 0.65 mm Thick (.0256 in)	
5	P31718	AR	Washer, 0.70 mm Thick (.0275 in)	
5	P31727	AR	Washer, 0.75 mm Thick (.0295 in)	
5	P31719	AR	Washer, 0.80 mm Thick (.0315 in)	
5	P31728	AR	Washer, 0.85 mm Thick (.0335 in)	
5	P31720	AR	Washer, 0.90 mm Thick (.0354 in)	
5	P31729	AR	Washer, 0.95 mm Thick (.0374 in)	
5	P31721	AR	Washer, 1.00 mm Thick (.0394 in)	
5	P31730	AR	Washer, 1.05 mm Thick (.0413 in)	
5	P31722	AR	Washer, 1.10 mm Thick (.0433 in)	
5	P31731	AR	Washer, 1.15 mm Thick (.0453 in)	
5	P31715	AR	Washer, 1.20 mm Thick (.0472 in)	
5	P31723	AR	Washer, 1.30 mm Thick (.0512 in)	
5	P31724	AR	Washer, 1.40 mm Thick (.0551 in)	
5	P31725	AR	Washer, 1.50 mm Thick (.0590 in)	
6	P31712	1	Bearing, Roller	
7	P31713	1	Gear, Input	
8	P31714	2	Bearing, Roller	
9	P32113	2	Bearing, Roller	
10	P32114	AR	Bushing, 7.20 mm Thick (.2835 in)	
10	P32115	AR	Bushing, 7.25 mm Thick (.2855 in)	
10	P32116	AR	Bushing, 7.30 mm Thick (.2874 in)	
10	P32117	AR	Bushing, 7.35 mm Thick (.2894 in)	
10	P32118	AR	Bushing, 7.40 mm Thick (.2914 in)	
10	P32119	AR	Bushing, 7.45 mm Thick (.2933 in)	
10	P32120	AR	Bushing, 7.50 mm Thick (.2953 in)	
10	P32121	AR	Bushing, 7.55 mm Thick (.2973 in)	
10	P32122	AR	Bushing, 7.60 mm Thick (.2993 in)	
11	P32111	1	Gear, Idler	
12	P32110	1	Axle	
13	P32112	1	Capscrew, Hx, M12 x 115mm	

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FIGURE 1-40. CLUTCH PACK, FORWARD, 1ST GEAR (4WG 100) (1044C-42,1044C-54,10K-42,10K-54,844C-42,8K-42) (844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)



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FIGURE 1-40. CLUTCH PACK, FORWARD, 1ST GEAR (4WG 100) (1044C-42,1044C-54,10K-42,10K-54,844C-42,8K-42) (844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P31847	5	Disc, Inner Clutch, 2.0 mm Thick (.0787 in)	
2	P31848	2	Disc, Inner Clutch, 1.5 mm Thick (.0590 in)	
3	P31847	AR	Disc, Inner Clutch, 2.0 mm Thick (.0787 in)	
3	P31848	AR	Disc, Inner Clutch, 1.5 mm Thick (.0590 in)	
3	P31849	AR	Disc, Inner Clutch, 2.5 mm Thick (.0984 in)	
4	P31851	1	Disc, Outer Clutch	
5	P31850	8	Disc, Outer Clutch	
6	P31788	3	Ring, Piston	
7	P31763	AR	Shim, 0.90 mm Thick (.0354 in)	
7	P31764	AR	Shim, 0.95 mm Thick (.0374 in)	
7	P31765	AR	Shim, 1.00 mm Thick (.0394 in)	
7	P31766	AR	Shim, 1.05 mm Thick (.0413 in)	
7	P31767	AR	Shim, 1.10 mm Thick (.0433 in)	
7	P31768	AR	Shim, 1.15 mm Thick (.0453 in)	
7	P31769	AR	Shim, 1.20 mm Thick (.0472 in)	
7	P31770	AR	Shim, 1.25 mm Thick (.0492 in)	
7	P31771	AR	Shim, 1.30 mm Thick (.0512 in)	
7	P31772	AR	Shim, 1.35 mm Thick (.0531 in)	
7	P31773	AR	Shim, 1.40 mm Thick (.0551 in)	
7	P31774	AR	Shim, 1.45 mm Thick (.0571 in)	
7	P31775	AR	Shim, 1.50 mm Thick (.0590 in)	
7	P31776	AR	Shim, 1.55 mm Thick (.0610 in)	
7	P31777	AR	Shim, 1.60 mm Thick (.0630 in)	
7	P31778	AR	Shim, 1.65 mm Thick (.0649 in)	
7	P31779	AR	Shim, 1.70 mm Thick (.0669 in)	
7	P31780	AR	Shim, 1.75 mm Thick (.0689 in)	
7	P31781	AR	Shim, 1.80 mm Thick (.0708 in)	
7	P31782	AR	Shim, 1.85 mm Thick (.0728 in)	
7	P31783	AR	Shim, 1.90 mm Thick (.0748 in)	
7	P31784	AR	Shim, 1.95 mm Thick (.0768 in)	
7	P31785	AR	Shim, 2.00 mm Thick (.0787 in)	
7	P31786	AR	Shim, 2.05 mm Thick (.0807 in)	
7	P31787	AR	Shim, 2.10 mm Thick (.0827 in)	
8	P31762	1	Bearing, Ball	
9	P31789	1	Ring, Retaining	
10	P31790	1	Bearing, Ball	
11	P31791	AR	Shim, 1.30 mm Thick (.0512 in)	
11	P31792	AR	Shim, 1.35 mm Thick (.0531 in)	
11	P31793	AR	Shim, 1.40 mm Thick (.0551 in)	
11	P31794	AR	Shim, 1.45 mm Thick (.0571 in)	
11	P31795	AR	Shim, 1.50 mm Thick (.0590 in)	
11	P31796	AR	Shim, 1.55 mm Thick (.0610 in)	
11	P31797	AR	Shim, 1.60 mm Thick (.0630 in)	
11	P31798	AR	Shim, 1.65 mm Thick (.0649 in)	
11	P31799	AR	Shim, 1.70 mm Thick (.0669 in)	
11	P31800	AR	Shim, 1.75 mm Thick (.0689 in)	
11	P31801	AR	Shim, 1.80 mm Thick (.0708 in)	
11	P31802	AR	Shim, 1.85 mm Thick (.0728 in)	

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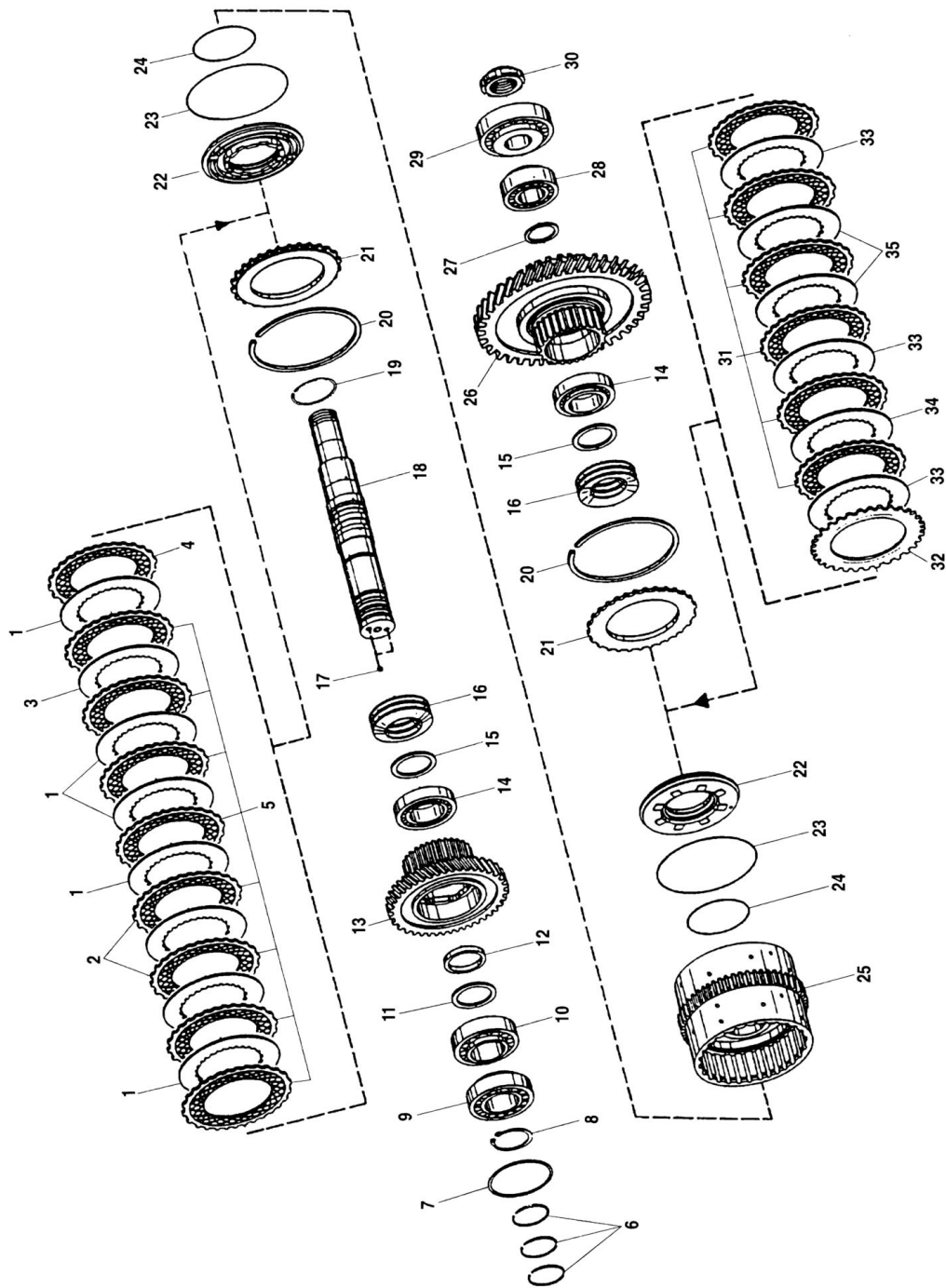
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
11	P31803	AR	Shim, 1.90 mm Thick (.0748 in)	
11	P31804	AR	Shim, 1.95 mm Thick (.0768 in)	
11	P31805	AR	Shim, 2.00 mm Thick (.0787 in)	
11	P31806	AR	Shim, 2.05 mm Thick (.0807 in)	
11	P31807	AR	Shim, 2.10 mm Thick (.0827 in)	
11	P31808	AR	Shim, 2.15 mm Thick (.0846 in)	
11	P31809	AR	Shim, 2.20 mm Thick (.0866 in)	
11	P31810	AR	Shim, 2.25 mm Thick (.0886 in)	
11	P31811	AR	Shim, 2.30 mm Thick (.0905 in)	
11	P31812	AR	Shim, 2.35 mm Thick (.0925 in)	
11	P31813	AR	Shim, 2.40 mm Thick (.0945 in)	
11	P31814	AR	Shim, 2.45 mm Thick (.0964 in)	
11	P31815	AR	Shim, 2.50 mm Thick (.0984 in)	
11	P31816	AR	Shim, 2.55 mm Thick (.1004 in)	
11	P31817	AR	Shim, 2.60 mm Thick (.1023 in)	
11	P31818	AR	Shim, 2.65 mm Thick (.1043 in)	
11	P31819	AR	Shim, 2.70 mm Thick (.1063 in)	
11	P31820	AR	Shim, 2.75 mm Thick (.1082 in)	
11	P31821	AR	Shim, 2.80 mm Thick (.1102 in)	
12	P31822	1	Bushing	
13	P31823	1	Gear, Spur	
14	P31824	1	Bearing, Ball	
15	P31825	10	Spring, Cup	
16	P31761	2	Ball	
17	P31760	1	Shaft	
18	P31832	1	Ring, Snap	
19	P31826	2	Ring, Snap	
20	P31827	2	Shim, End	
21	P31830	2	Piston	
22	P31829	2	O-Ring	
23	P31828	2	O-Ring	
24	P31831	1	Carrier, Disc	
25	P31840	1	Ring, Retaining	
26	P31834	AR	Shim, 0.8 mm Thick (.0315 in)	
26	P31835	AR	Shim, 0.9 mm Thick (.0354 in)	
26	P31836	AR	Shim, 1.0 mm Thick (.0394 in)	
26	P31837	AR	Shim, 1.1 mm Thick (.0433 in)	
26	P31838	AR	Shim, 1.2 mm Thick (.0472 in)	
26	P31839	AR	Shim, 1.3 mm Thick (.0512 in)	
27	P31833	1	Bearing, Ball	
28	P31843	1	Gear, Spur	
29	P31842	2	Bushing	
30	P31844	1	Ring, Internal	
31	P31841	1	Needle Cage	
32	P31845	1	Ring, Retaining	
33	P31846	1	Bearing, Ball	
34	P31850	6	Outer Clutch	
35	P31851	1	Outer Clutch	
36	P31847	3	Inner Clutch, 2.0 mm Thick (.0787 in)	
37	P31847	AR	Inner Clutch, 2.0 mm Thick (.0787 in)	
37	P31848	AR	Inner Clutch, 1.5 mm Thick (.0590 in)	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
37	P31849	AR	Inner Clutch, 2.5 mm Thick (.0984 in)	
38	P31848	2	Inner Clutch, 1.5 mm Thick (.0590 in)	

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FIGURE 1-41. CLUTCH PACK, REVERSE, 2ND GEAR (4WG 100) (1044C-42,1044C-54,10K-42,10K-54,844C-42,8K-42) (844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)



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FIGURE 1-41. CLUTCH PACK, REVERSE, 2ND GEAR (4WG 100) (1044C-42,1044C-54,10K-42,10K-54,844C-42,8K-42) (844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P31847	5	Disc, Inner Clutch, 2.0 mm Thick (.0787 in)	
2	P31848	2	Disc, Inner Clutch, 1.5 mm Thick (.0590 in)	
3	P31847	AR	Disc, Inner Clutch, 2.0 mm Thick (.0787 in)	
3	P31848	AR	Disc, Inner Clutch, 1.5 mm Thick (.0590 in)	
3	P31849	AR	Disc, Inner Clutch, 2.5 mm Thick (.0984 in)	
4	P31851	1	Disc, Outer Clutch	
5	P31850	8	Disc, Outer Clutch	
6	P31788	3	Ring, Piston	
7	P31854	AR	Washer, 0.80 mm Thick (.0315 in)	
7	P31855	AR	Washer, 0.85 mm Thick (.0335 in)	
7	P31856	AR	Washer, 0.90 mm Thick (.0354 in)	
7	P31857	AR	Washer, 0.95 mm Thick (.0374 in)	
7	P31858	AR	Washer, 1.00 mm Thick (.0394 in)	
7	P31859	AR	Washer, 1.05 mm Thick (.0413 in)	
7	P31860	AR	Washer, 1.10 mm Thick (.0433 in)	
7	P31861	AR	Washer, 1.15 mm Thick (.0453 in)	
7	P31862	AR	Washer, 1.20 mm Thick (.0472 in)	
7	P31863	AR	Washer, 1.25 mm Thick (.0492 in)	
7	P31864	AR	Washer, 1.30 mm Thick (.0512 in)	
7	P31865	AR	Washer, 1.35 mm Thick (.0531 in)	
7	P31866	AR	Washer, 1.40 mm Thick (.0551 in)	
7	P31867	AR	Washer, 1.45 mm Thick (.0571 in)	
7	P31868	AR	Washer, 1.50 mm Thick (.0590 in)	
7	P31869	AR	Washer, 1.55 mm Thick (.0610 in)	
7	P31870	AR	Washer, 1.60 mm Thick (.0630 in)	
7	P31871	AR	Washer, 1.65 mm Thick (.0649 in)	
7	P31872	AR	Washer, 1.70 mm Thick (.0669 in)	
7	P31873	AR	Washer, 1.75 mm Thick (.0689 in)	
7	P31874	AR	Washer, 1.80 mm Thick (.0708 in)	
7	P31875	AR	Washer, 1.85 mm Thick (.0728 in)	
7	P31876	AR	Washer, 1.90 mm Thick (.0748 in)	
7	P31877	AR	Washer, 1.95 mm Thick (.0768 in)	
7	P31878	AR	Washer, 2.00 mm Thick (.0787 in)	
7	P31879	AR	Washer, 2.05 mm Thick (.0807 in)	
7	P31880	AR	Washer, 2.10 mm Thick (.0827 in)	
7	P31881	AR	Washer, 2.15 mm Thick (.0846 in)	
7	P31882	AR	Washer, 2.20 mm Thick (.0866 in)	
7	P31883	AR	Washer, 2.25 mm Thick (.0886 in)	
7	P31884	AR	Washer, 2.30 mm Thick (.0905 in)	
7	P31885	AR	Washer, 2.35 mm Thick (.0925 in)	
7	P31886	AR	Washer, 2.40 mm Thick (.0945 in)	
8	P31789	1	Ring, Retaining	
9	P31853	1	Bearing, Roller	
10	P31714	1	Bearing, Roller	
11	P31791	AR	Shim, 1.30 mm Thick (.0512 in)	
11	P31792	AR	Shim, 1.35 mm Thick (.0531 in)	
11	P31793	AR	Shim, 1.40 mm Thick (.0551 in)	
11	P31794	AR	Shim, 1.45 mm Thick (.0571 in)	

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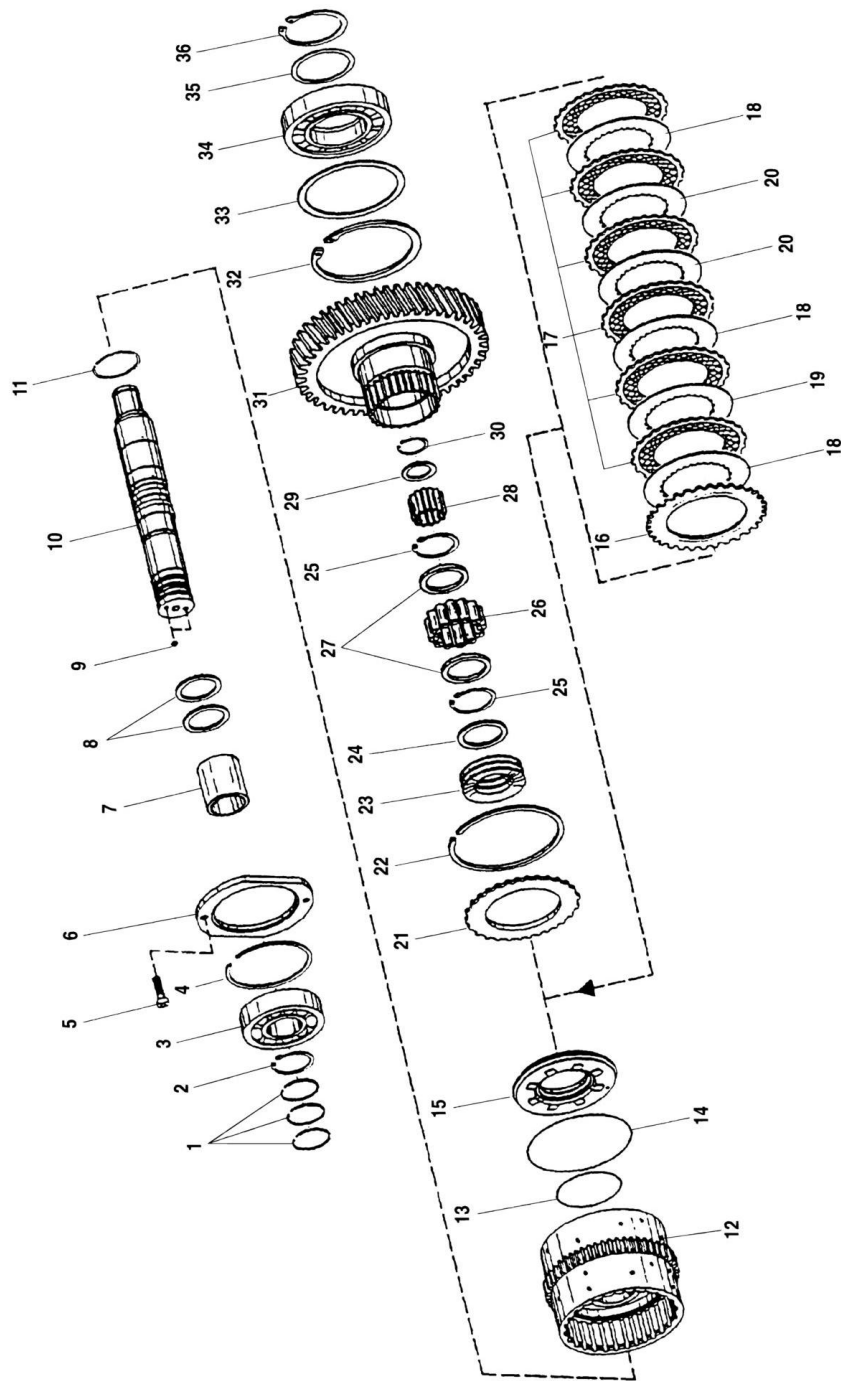
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
11	P31795	AR	Shim, 1.50 mm Thick (.0590 in)	
11	P31796	AR	Shim, 1.55 mm Thick (.0610 in)	
11	P31797	AR	Shim, 1.60 mm Thick (.0630 in)	
11	P31798	AR	Shim, 1.65 mm Thick (.0649 in)	
11	P31799	AR	Shim, 1.70 mm Thick (.0669 in)	
11	P31800	AR	Shim, 1.75 mm Thick (.0689 in)	
11	P31801	AR	Shim, 1.80 mm Thick (.0708 in)	
11	P31802	AR	Shim, 1.85 mm Thick (.0728 in)	
11	P31803	AR	Shim, 1.90 mm Thick (.0748 in)	
11	P31804	AR	Shim, 1.95 mm Thick (.0768 in)	
11	P31805	AR	Shim, 2.00 mm Thick (.0787 in)	
11	P31806	AR	Shim, 2.05 mm Thick (.0807 in)	
11	P31807	AR	Shim, 2.10 mm Thick (.0827 in)	
11	P31808	AR	Shim, 2.15 mm Thick (.0846 in)	
11	P31809	AR	Shim, 2.20 mm Thick (.0866 in)	
11	P31810	AR	Shim, 2.25 mm Thick (.0886 in)	
11	P31811	AR	Shim, 2.30 mm Thick (.0905 in)	
11	P31812	AR	Shim, 2.35 mm Thick (.0925 in)	
11	P31813	AR	Shim, 2.40 mm Thick (.0945 in)	
11	P31814	AR	Shim, 2.45 mm Thick (.0964 in)	
11	P31815	AR	Shim, 2.50 mm Thick (.0984 in)	
11	P31816	AR	Shim, 2.55 mm Thick (.1004 in)	
11	P31817	AR	Shim, 2.60 mm Thick (.1023 in)	
11	P31818	AR	Shim, 2.65 mm Thick (.1043 in)	
11	P31819	AR	Shim, 2.70 mm Thick (.1063 in)	
11	P31820	AR	Shim, 2.75 mm Thick (.1082 in)	
11	P31821	AR	Shim, 2.80 mm Thick (.1102 in)	
12	P31887	1	Bushing	
13	P31889	1	Gear, Spur	
14	P31888	2	Bearing, Roller	
15	P31805	2	Shim	
16	P31825	10	Spring, Cup	
17	P31761	2	Ball	
18	P31852	1	Shaft	
19	P31832	1	Ring, Snap	
20	P31826	2	Ring, Snap	
21	P31827	2	Shim, End	
22	P31830	2	Piston	
23	P31829	2	O-Ring	
24	P31828	2	O-Ring	
25	P31831	1	Carrier, Disc	
26	P31890	1	Gear, Spur	
27	P31893	AR	Shim, 1.00 mm Thick (.0394 in)	
27	P31894	AR	Shim, 1.05 mm Thick (.0413 in)	
27	P31895	AR	Shim, 1.10 mm Thick (.0433 in)	
27	P31896	AR	Shim, 1.15 mm Thick (.0453 in)	
27	P31897	AR	Shim, 1.20 mm Thick (.0472 in)	
27	P31898	AR	Shim, 1.25 mm Thick (.0492 in)	
27	P31899	AR	Shim, 1.30 mm Thick (.0512 in)	
27	P31900	AR	Shim, 1.35 mm Thick (.0531 in)	
27	P31901	AR	Shim, 1.40 mm Thick (.0551 in)	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
27	P31902	AR	Shim, 1.45 mm Thick (.0571 in)	
27	P31903	AR	Shim, 1.50 mm Thick (.0590 in)	
27	P31904	AR	Shim, 1.55 mm Thick (.0610 in)	
27	P31905	AR	Shim, 1.60 mm Thick (.0630 in)	
27	P31906	AR	Shim, 1.65 mm Thick (.0649 in)	
27	P31907	AR	Shim, 1.70 mm Thick (.0669 in)	
27	P31908	AR	Shim, 1.75 mm Thick (.0689 in)	
27	P31909	AR	Shim, 1.80 mm Thick (.0708 in)	
28	P31891	1	Bearing, Roller	
29	P31892	1	Bearing, Roller	
30	P31910	1	Nut, Slotted	
31	P31850	6	Disc, Outer Clutch	
32	P31851	1	Disc, Outer Clutch	
33	P31847	3	Disc, Inner Clutch, 2.0 mm Thick (.0787 in)	
34	P31847	AR	Disc, Inner Clutch, 2.0 mm Thick (.0787 in)	
34	P31848	AR	Disc, Inner Clutch, 1.5 mm Thick (.0590 in)	
34	P31849	AR	Disc, Inner Clutch, 2.5 mm Thick (.0984 in)	
35	P31848	2	Disc, Inner Clutch, 1.5 mm Thick (.0590 in)	

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FIGURE 1-42. CLUTCH PACK, 3RD GEAR (4WG 100) (1044C-42,1044C-54,10K-42,10K-54,844C-42,8K-42) (844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)



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FIGURE 1-42. CLUTCH PACK, 3RD GEAR (4WG 100) (1044C-42,1044C-54,10K-42,10K-54,844C-42,8K-42) (844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)

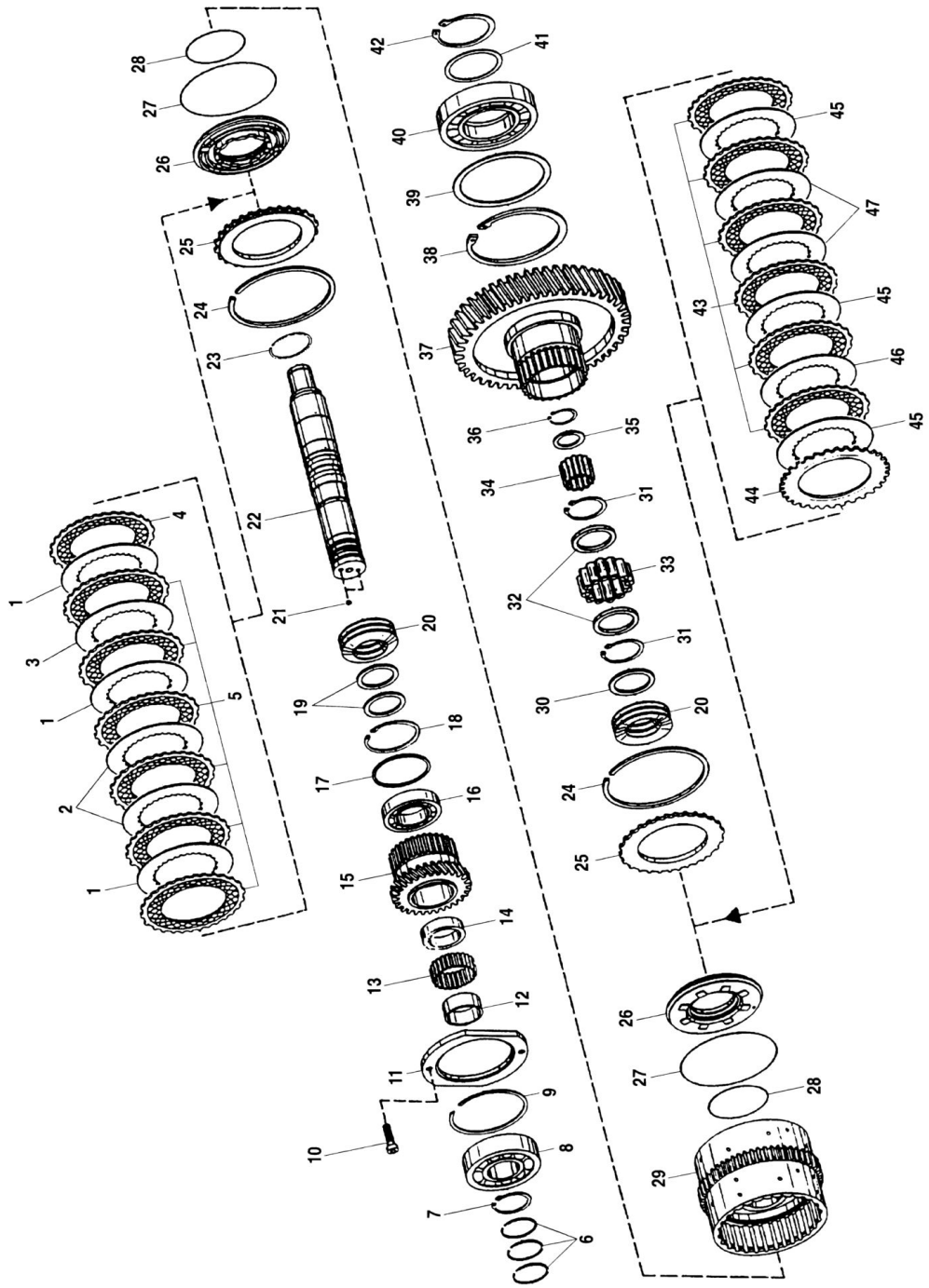
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P31788	3	Ring, Piston	
2	P31789	1	Ring, Retaining	
3	P31912	1	Bearing, Ball	
4	P31913	1	Ring, Snap	
5	P31740	2	Capscrew, Socket Hd, M8 x 35mm	
6	P31914	1	Washer	
7	P31915	1	Bushing	
8	P31791	AR	Shim, 1.30 mm Thick (.0512 in)	
8	P31792	AR	Shim, 1.35 mm Thick (.0531 in)	
8	P31793	AR	Shim, 1.40 mm Thick (.0551 in)	
8	P31794	AR	Shim, 1.45 mm Thick (.0571 in)	
8	P31795	AR	Shim, 1.50 mm Thick (.0590 in)	
8	P31796	AR	Shim, 1.55 mm Thick (.0610 in)	
8	P31797	AR	Shim, 1.60 mm Thick (.0630 in)	
8	P31798	AR	Shim, 1.65 mm Thick (.0649 in)	
8	P31799	AR	Shim, 1.70 mm Thick (.0669 in)	
8	P31800	AR	Shim, 1.75 mm Thick (.0689 in)	
8	P31801	AR	Shim, 1.80 mm Thick (.0708 in)	
8	P31802	AR	Shim, 1.85 mm Thick (.0728 in)	
8	P31803	AR	Shim, 1.90 mm Thick (.0748 in)	
8	P31804	AR	Shim, 1.95 mm Thick (.0768 in)	
8	P31805	AR	Shim, 2.00 mm Thick (.0787 in)	
8	P31806	AR	Shim, 2.05 mm Thick (.0807 in)	
8	P31807	AR	Shim, 2.10 mm Thick (.0827 in)	
8	P31808	AR	Shim, 2.15 mm Thick (.0846 in)	
8	P31809	AR	Shim, 2.20 mm Thick (.0866 in)	
8	P31810	AR	Shim, 2.25 mm Thick (.0886 in)	
8	P31811	AR	Shim, 2.30 mm Thick (.0905 in)	
8	P31812	AR	Shim, 2.35 mm Thick (.0925 in)	
8	P31813	AR	Shim, 2.40 mm Thick (.0945 in)	
8	P31814	AR	Shim, 2.45 mm Thick (.0964 in)	
8	P31815	AR	Shim, 2.50 mm Thick (.0984 in)	
8	P31816	AR	Shim, 2.55 mm Thick (.1004 in)	
8	P31817	AR	Shim, 2.60 mm Thick (.1023 in)	
8	P31818	AR	Shim, 2.65 mm Thick (.1043 in)	
8	P31819	AR	Shim, 2.70 mm Thick (.1063 in)	
8	P31820	AR	Shim, 2.75 mm Thick (.1082 in)	
8	P31821	AR	Shim, 2.80 mm Thick (.1102 in)	
9	P31761	2	Ball	
10	P31911	1	Shaft	
11	P31832	1	Ring, Snap	
12	P31916	1	Carrier, Disc	
13	P31828	1	O-Ring	
14	P31829	1	O-Ring	
15	P31830	1	Piston	
16	P31851	1	Disc, Outer Clutch	
17	P31850	6	Disc, Outer Clutch	
18	P31847	3	Disc, Inner Clutch, 2.0 mm Thick (.0787 in)	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
19	P31847	AR	Disc, Inner Clutch, 2.0 mm Thick (.0787 in)	
19	P31848	AR	Disc, Inner Clutch, 1.5 mm Thick (.0590 in)	
19	P31849	AR	Disc, Inner Clutch, 2.5 mm Thick (.0984 in)	
20	P31848	2	Disc, Inner Clutch, 1.5 mm Thick (.0590 in)	
21	P31827	1	Shim, End	
22	P31826	1	Ring, Snap	
23	P31825	5	Spring, Cup	
24	P31919	AR	Shim, 3.40 mm Thick (1.338 in)	
24	P31920	AR	Shim, 1.60 mm Thick (.0630 in)	
25	P31921	2	Ring, Retaining	
26	P31918	1	Cage, Roller	
27	P31922	2	Washer, Thrust	
28	P31950	1	Cage, Needle	
29	P31951	1	Shim	
30	P31952	1	Ring, Retaining	
31	P31917	1	Gear, Spur	
32	P31928	1	Ring, Retaining	
33	P31929	AR	Washer, 1.00 mm Thick (.0394 in)	
33	P31930	AR	Washer, 1.05 mm Thick (.0413 in)	
33	P31931	AR	Washer, 1.10 mm Thick (.0433 in)	
33	P31932	AR	Washer, 1.15 mm Thick (.0453 in)	
33	P31933	AR	Washer, 1.20 mm Thick (.0472 in)	
33	P31934	AR	Washer, 1.25 mm Thick (.0492 in)	
33	P31935	AR	Washer, 1.30 mm Thick (.0512 in)	
33	P31936	AR	Washer, 1.35 mm Thick (.0531 in)	
33	P31937	AR	Washer, 1.40 mm Thick (.0551 in)	
34	P31927	1	Bearing, Roller	
35	P31938	AR	Shim, 0.80 mm Thick (.0315 in)	
35	P31939	AR	Shim, 0.85 mm Thick (.0335 in)	
35	P31940	AR	Shim, 0.90 mm Thick (.0354 in)	
35	P31941	AR	Shim, 0.95 mm Thick (.0374 in)	
35	P31942	AR	Shim, 1.00 mm Thick (.0394 in)	
35	P31943	AR	Shim, 1.05 mm Thick (.0413 in)	
35	P31944	AR	Shim, 1.10 mm Thick (.0433 in)	
35	P31945	AR	Shim, 1.15 mm Thick (.0453 in)	
35	P31946	AR	Shim, 1.20 mm Thick (.0472 in)	
35	P31947	AR	Shim, 1.25 mm Thick (.0492 in)	
35	P31948	AR	Shim, 1.30 mm Thick (.0512 in)	
36	P31949	1	Ring, Retaining	

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FIGURE 1-43. CLUTCH PACK, 4TH GEAR (4WG 100) (1044C-42,1044C-54,10K-42,10K-54,844C-42,8K-42) (844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)



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FIGURE 1-43. CLUTCH PACK, 4TH GEAR (4WG 100) (1044C-42,1044C-54,10K-42,10K-54,844C-42,8K-42) (844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P31847	3	Disc, Inner Clutch, 2.0 mm Thick (.0787 in)	
2	P31848	2	Disc, Inner Clutch, 1.5 mm Thick (.0590 in)	
3	P31847	AR	Disc, Inner Clutch, 2.0 mm Thick (.0787 in)	
3	P31848	AR	Disc, Inner Clutch, 1.5 mm Thick (.0590 in)	
3	P31849	AR	Disc, Inner Clutch, 2.5 mm Thick (.0984 in)	
4	P31851	1	Disc, Outer Clutch	
5	P31850	6	Disc, Outer Clutch	
6	P31788	3	Ring, Piston	
7	P31789	1	Ring, Retaining	
8	P31912	1	Bearing, Ball	
9	P31913	3	Ring, Snap	
10	P31740	2	Capscrew, Socket Hd M8 x 35mm	
11	P31914	1	Washer	
12	P32105	1	Ring, Internal	
13	P32104	1	Needle Cage	
14	P32106	1	Bushing	
15	P32103	1	Gear, Spur	
16	P31824	1	Bearing, Ball	
17	P31834	AR	Shim, 0.80 mm Thick (.0315 in)	
17	P31835	AR	Shim, 0.90 mm Thick (.0354 in)	
17	P31836	AR	Shim, 1.00 mm Thick (.0394 in)	
17	P31837	AR	Shim, 1.10 mm Thick (.0433 in)	
17	P31838	AR	Shim, 1.20 mm Thick (.0472 in)	
17	P31839	AR	Shim, 1.30 mm Thick (.0512 in)	
18	P32107	1	Retaining, Ring	
19	P31791	AR	Shim, 1.30 mm Thick (.0512 in)	
19	P31792	AR	Shim, 1.35 mm Thick (.0531 in)	
19	P31793	AR	Shim, 1.40 mm Thick (.0551 in)	
19	P31794	AR	Shim, 1.45 mm Thick (.0571 in)	
19	P31795	AR	Shim, 1.50 mm Thick (.0590 in)	
19	P31796	AR	Shim, 1.55 mm Thick (.0610 in)	
19	P31797	AR	Shim, 1.60 mm Thick (.0630 in)	
19	P31798	AR	Shim, 1.65 mm Thick (.0649 in)	
19	P31799	AR	Shim, 1.70 mm Thick (.0669 in)	
19	P31800	AR	Shim, 1.75 mm Thick (.0689 in)	
19	P31801	AR	Shim, 1.80 mm Thick (.0708 in)	
19	P31802	AR	Shim, 1.85 mm Thick (.0728 in)	
19	P31803	AR	Shim, 1.90 mm Thick (.0748 in)	
19	P31804	AR	Shim, 1.95 mm Thick (.0768 in)	
19	P31805	AR	Shim, 2.00 mm Thick (.0787 in)	
19	P31806	AR	Shim, 2.05 mm Thick (.0807 in)	
19	P31807	AR	Shim, 2.10 mm Thick (.0827 in)	
19	P31808	AR	Shim, 2.15 mm Thick (.0846 in)	
19	P31809	AR	Shim, 2.20 mm Thick (.0866 in)	
19	P31810	AR	Shim, 2.25 mm Thick (.0886 in)	
19	P31811	AR	Shim, 2.30 mm Thick (.0905 in)	
19	P31812	AR	Shim, 2.35 mm Thick (.0925 in)	
19	P31813	AR	Shim, 2.40 mm Thick (.0945 in)	

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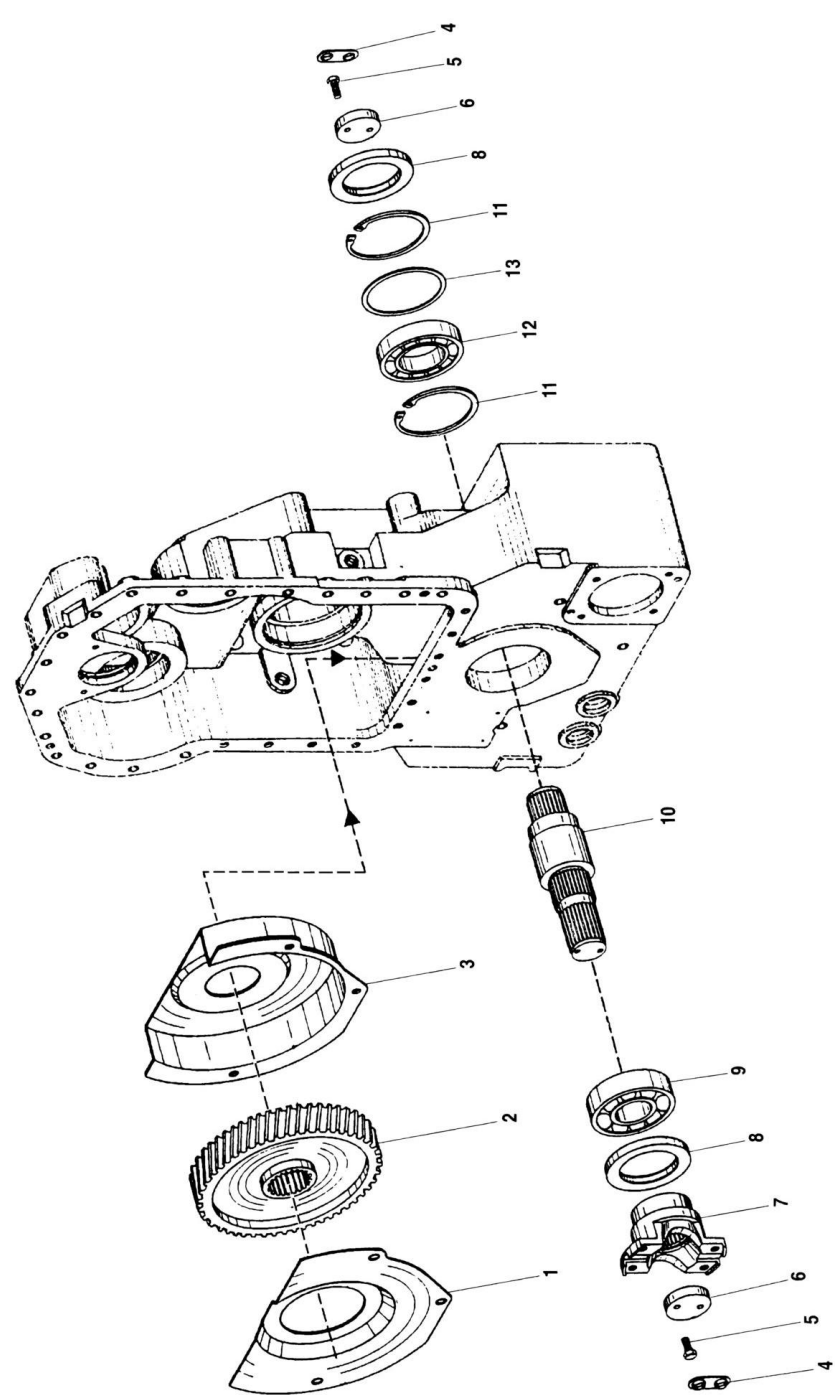
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
19	P31814	AR	Shim, 2.45 mm Thick (.0964 in)	
19	P31815	AR	Shim, 2.50 mm Thick (.0984 in)	
19	P31816	AR	Shim, 2.55 mm Thick (.1004 in)	
19	P31817	AR	Shim, 2.60 mm Thick (.1023 in)	
19	P31818	AR	Shim, 2.65 mm Thick (.1043 in)	
19	P31819	AR	Shim, 2.70 mm Thick (.1063 in)	
19	P31820	AR	Shim, 2.75 mm Thick (.1082 in)	
19	P31821	AR	Shim, 2.80 mm Thick (.1102 in)	
20	P31825	10	Spring, Cup	
21	P31761	2	Ball	
22	P31911	1	Shaft	
23	P31832	1	Ring, Snap	
24	P31826	2	Ring, Snap	
25	P31827	2	Shim, End	
26	P31830	2	Piston	
27	P31829	2	O-Ring	
28	P31828	2	O-Ring	
29	P31916	1	Carrier, Disc	
30	P31919	AR	Shim, 3.40 mm Thick (.1339 in)	
30	P31920	AR	Shim, 1.60 mm Thick (.0630 in)	
31	P31921	2	Ring, Retaining	
32	P31922	2	Washer, Thrust	
33	P31918	1	Cage, Roller	
34	P31950	1	Cage, Needle	
35	P31951	1	Shim	
36	P31952	1	Ring, Retaining	
37	P31917	1	Gear, Spur	
38	P31928	1	Ring, Retaining	
39	P31929	AR	Washer, 1.00 mm Thick (.0394 in)	
39	P31930	AR	Washer, 1.05 mm Thick (.0413 in)	
39	P31931	AR	Washer, 1.10 mm Thick (.0433 in)	
39	P31932	AR	Washer, 1.15 mm Thick (.0453 in)	
39	P31933	AR	Washer, 1.20 mm Thick (.0472 in)	
39	P31934	AR	Washer, 1.25 mm Thick (.0492 in)	
39	P31935	AR	Washer, 1.30 mm Thick (.0512 in)	
39	P31936	AR	Washer, 1.35 mm Thick (.0531 in)	
39	P31937	AR	Washer, 1.40 mm Thick (.0551 in)	
40	P31927	1	Bearing, Roller	
41	P31938	AR	Shim, 0.80 mm Thick (.0315 in)	
41	P31939	AR	Shim, 0.85 mm Thick (.0335 in)	
41	P31940	AR	Shim, 0.90 mm Thick (.0354 in)	
41	P31941	AR	Shim, 0.95 mm Thick (.0374 in)	
41	P31942	AR	Shim, 1.00 mm Thick (.0394 in)	
41	P31943	AR	Shim, 1.05 mm Thick (.0413 in)	
41	P31944	AR	Shim, 1.10 mm Thick (.0433 in)	
41	P31945	AR	Shim, 1.15 mm Thick (.0453 in)	
41	P31946	AR	Shim, 1.20 mm Thick (.0472 in)	
41	P31947	AR	Shim, 1.25 mm Thick (.0492 in)	
41	P31948	AR	Shim, 1.30 mm Thick (.0512 in)	
42	P31949	1	Ring, Retaining	
43	P31850	6	Disc, Inner Clutch	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	P31851	1	Disc, Inner Clutch	
45	P31847	3	Disc, Inner Clutch, 2.0 mm Thick (.0787 in)	
46	P31847	AR	Disc, Inner Clutch, 2.0 mm Thick (.0787 in)	
46	P31848	AR	Disc, Inner Clutch, 1.5 mm Thick (.0590 in)	
46	P31849	AR	Disc, Inner Clutch, 2.5 mm Thick (.0984 in)	
47	P31848	2	Disc, Inner Clutch, 1.5 mm Thick (.0590 in)	

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FIGURE 1-44. OUTPUT GROUP (4WG 100) (1044C-42,1044C-54,10K-42,10K-54,844C-42,8K-42) (844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)



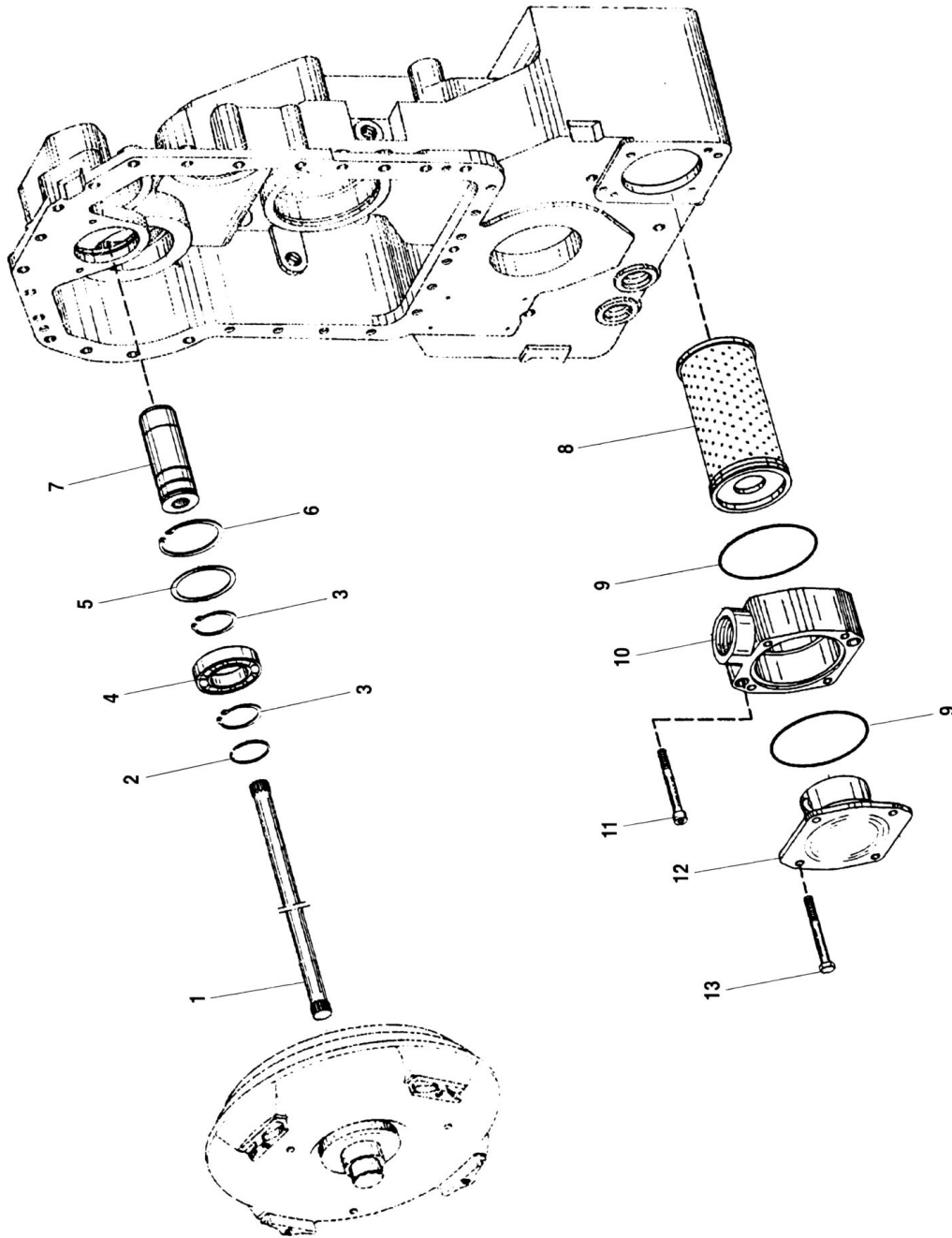
SECTION 1 - DRIVE TRAIN

FIGURE 1-44. OUTPUT GROUP (4WG 100) (1044C-42,1044C-54,10K-42,10K-54,844C-42,8K-42) (844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P31739	1	Shield, Plate	
2	P31954	1	Gear, Output	
3	P31738	1	Cover, Output Gear	
4	P31958	2	Washer, Tab	
5	P31959	4	Capscrew, Hx, M8 x 25mm	
6	P31957	2	Washer	
7	P31956	1	Flange, Input	
8	P31977	2	Seal, Shaft	
9	P31955	1	Bearing, Ball	
10	P31953	1	Shaft, Output	
11	P31961	2	Ring, Retaining	
12	P31960	1	Bearing, Ball	
13	P31962	AR	Shim, 1.00 mm Thick (.0394 in)	
13	P31963	AR	Shim, 1.05 mm Thick (.0413 in)	
13	P31964	AR	Shim, 1.10 mm Thick (.0433 in)	
13	P31965	AR	Shim, 1.15 mm Thick (.0453 in)	
13	P31966	AR	Shim, 1.20 mm Thick (.0472 in)	
13	P31967	AR	Shim, 1.25 mm Thick (.0492 in)	
13	P31968	AR	Shim, 1.30 mm Thick (.0512 in)	
13	P31969	AR	Shim, 1.35 mm Thick (.0531 in)	
13	P31970	AR	Shim, 1.40 mm Thick (.0551 in)	
13	P31971	AR	Shim, 1.45 mm Thick (.0571 in)	
13	P31972	AR	Shim, 1.50 mm Thick (.0590 in)	
13	P31973	AR	Shim, 1.55 mm Thick (.0610 in)	
13	P31974	AR	Shim, 1.60 mm Thick (.0630 in)	
13	P31975	AR	Shim, 1.65 mm Thick (.0649 in)	
13	P31976	AR	Shim, 1.70 mm Thick (.0669 in)	

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FIGURE 1-45. POWER TAKE-OFF AND FILTER (4WG 100) (1044C-42,1044C-54,10K-42,10K-54,844C-42,8K-42) (844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)



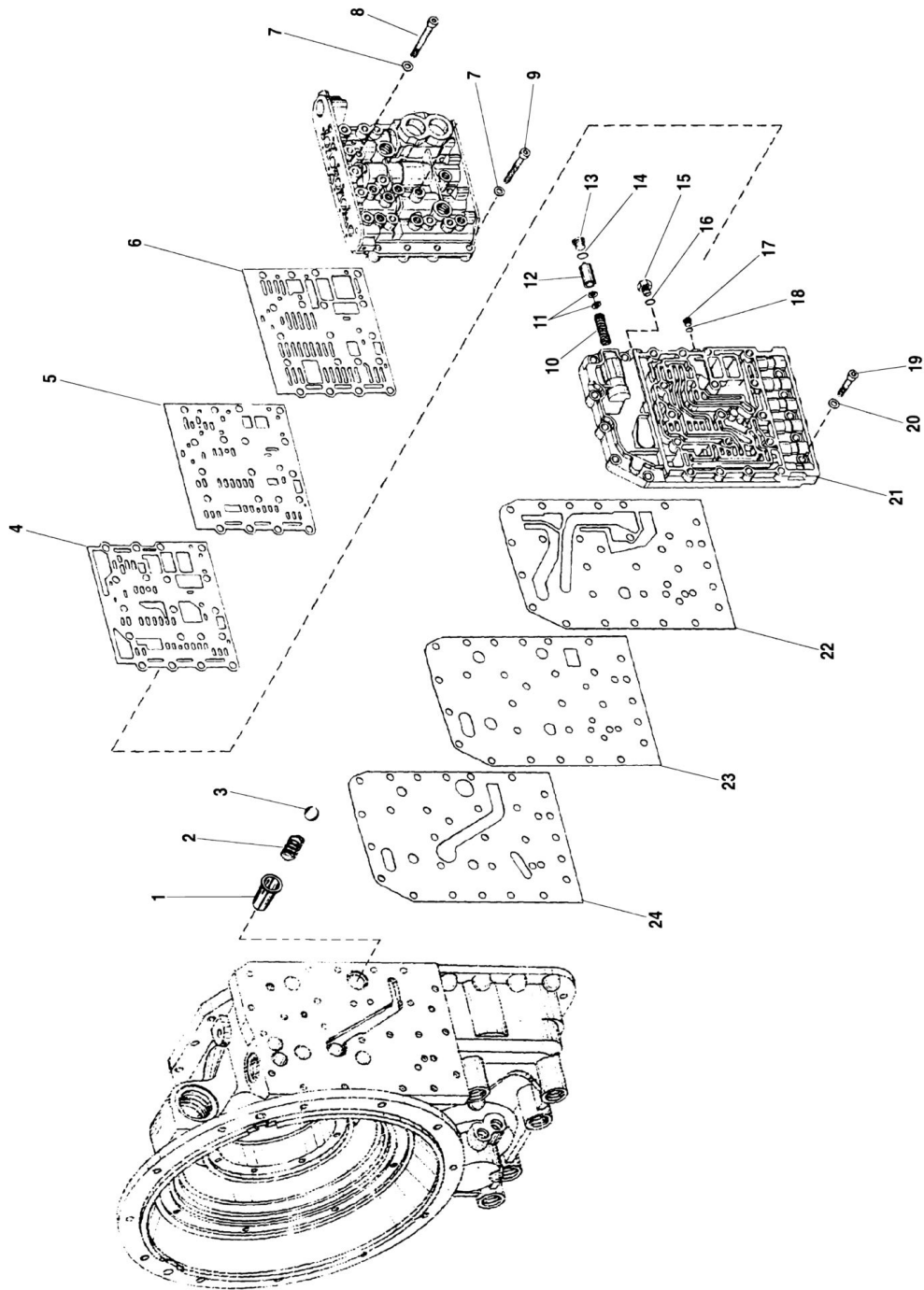
SECTION 1 - DRIVE TRAIN

FIGURE 1-45. POWER TAKE-OFF AND FILTER (4WG 100) (1044C-42,1044C-54,10K-42,10K-54,844C-42,8K-42) (844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P31989	1	Shaft, Central	
2	P31733	1	Ring, Piston	
3	P31845	2	Ring, Retaining	
4	P31991	1	Bearing, Ball	
5	P31992	AR	Shim, 1.00 mm Thick (.0394 in)	
5	P31993	AR	Shim, 1.05 mm Thick (.0413 in)	
5	P31994	AR	Shim, 1.10 mm Thick (.0433 in)	
5	P31995	AR	Shim, 1.15 mm Thick (.0453 in)	
5	P31996	AR	Shim, 1.20 mm Thick (.0472 in)	
5	P31997	AR	Shim, 1.25 mm Thick (.0492 in)	
5	P31998	AR	Shim, 1.30 mm Thick (.0512 in)	
5	P31999	AR	Shim, 1.35 mm Thick (.0531 in)	
5	P32000	AR	Shim, 1.40 mm Thick (.0551 in)	
5	P32001	AR	Shim, 1.45 mm Thick (.0571 in)	
5	P32002	AR	Shim, 1.50 mm Thick (.0590 in)	
5	P32003	AR	Shim, 1.55 mm Thick (.0610 in)	
5	P32004	AR	Shim, 1.60 mm Thick (.0630 in)	
6	P32005	1	Ring, Retaining	
7	P31990	1	Bushing	
8	P31926	1	Filter	
9	P31925	2	O-Ring	
10	P31923	1	Fixture, Holding	
11	P04866	2	Capscrew, Socket Hd, M8 x 60mm	
12	P31924	1	Cover	
13	P04114	4	Capscrew, Hx, M8 x 75mm	

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**FIGURE 1-46. GEARSHIFT SYSTEM (4WG 100) (1044C-42,1044C-54,10K-42,10K-54,844C-42,8K-42)
(844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 8K-42 SN 101
to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)**



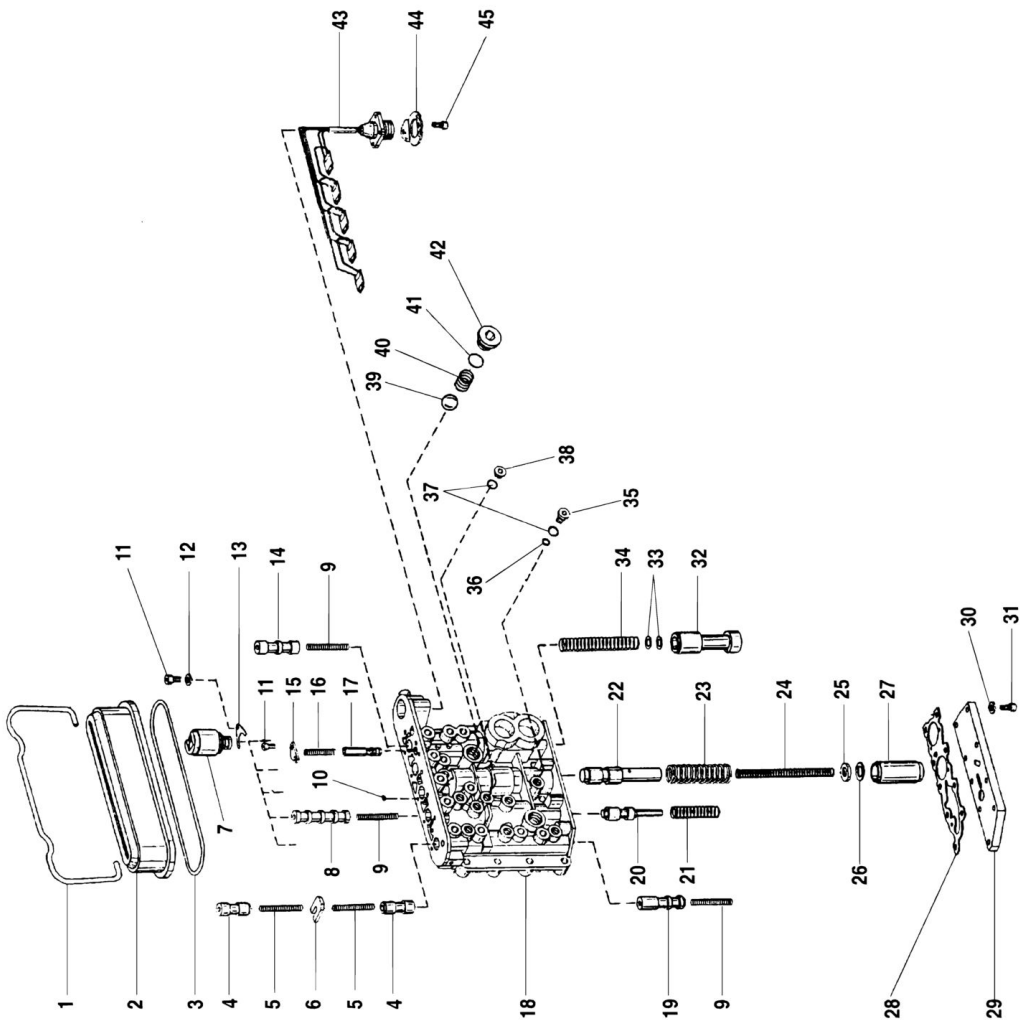
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**FIGURE 1-46. GEARSHIFT SYSTEM (4WG 100) (1044C-42,1044C-54,10K-42,10K-54,844C-42,8K-42)
(844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 8K-42 SN 101
to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P32074	1	Valve Insert	
2	P32075	1	Spring, Compression	
3	P32071	1	Ball	
4	P32011	1	Gasket	
5	P32012	1	Plate, Cover	
6	P32013	1	Gasket	
7	P31710	17	Washer	
8	P32016	1	Capscrew, Socket Hd, M8 x 85mm	
9	P32014	16	Capscrew, Socket Hd, M8 x 65mm	
10	P32023	1	Spring, Compression	
11	P32022	2	Washer	
12	P32021	1	Spool, Valve	
13	P32024	1	Plug, Screw	
14	P32025	1	O-Ring	
15	P32019	1	Adapter	
16	P32020	1	O-Ring	
17	P32017	1	Plug, Screw	
18	P31709	1	O-Ring	
19	P32010	11	Capscrew, Socket Hd, M8 x 35mm	
20	P31710	11	Washer	
21	P32009	1	Plate, Duct	
22	P32008	1	Gasket	
23	P32007	1	Plate, Cover	
24	P32006	1	Gasket	

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FIGURE 1-47. CONTROL VALVE (4WG 100) (1044C-42,1044C-54,10K-42,10K-54,844C-42,8K-42)
(844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 8K-42 SN 101
to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)



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**FIGURE 1-47. CONTROL VALVE (4WG 100) (1044C-42,1044C-54,10K-42,10K-54,844C-42,8K-42)
(844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)**

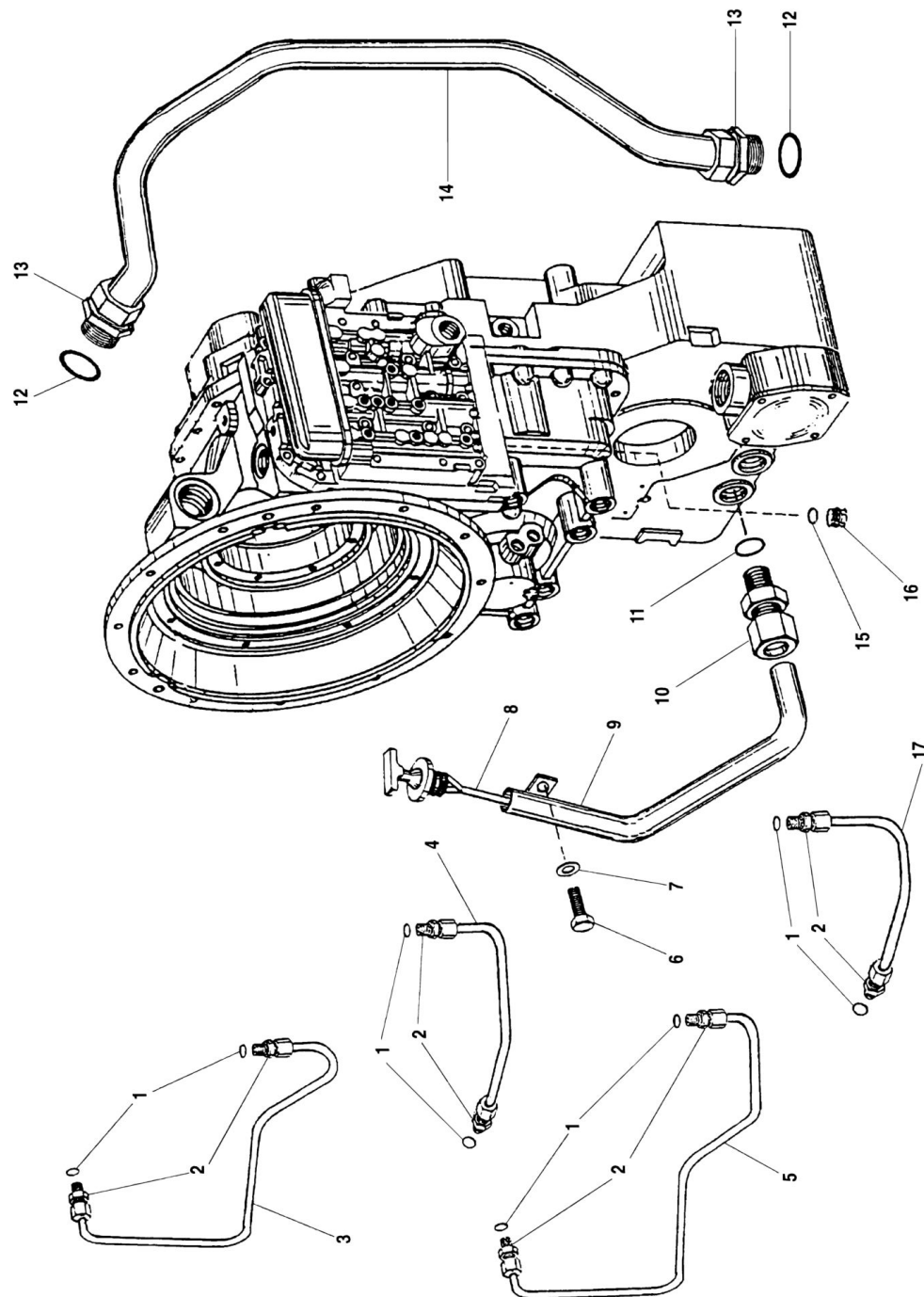
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	37728X	1	Control Valve Assembly - 4 Speed (Includes Items 1-45)	
1	P32070	1	Bracket, Clamp	
2	P32068	1	Cover	
3	P32069	1	O-Ring	
4	P32050	2	Piston	
5	P32049	2	Spring, Compression	
6	P32048	1	Plate, Stop	
7	P32062	5	Valve, Solenoid	
8	P32055	1	Piston	
9	P32049	3	Spring, Compression	
10	P32061	10	Ball	
11	P32060	7	Capscrew, Socket Hd, M5 x 12mm	
12	P32064	5	Washer	
13	P32063	5	Plate, Fixing	
14	P32056	1	Piston	
15	P32059	1	Plate, Cover	
16	P32058	1	Spring, Compression	
17	P32057	1	Valve, Reduction	
18	P32026	1	Housing, Valve (Note: Ten each of item 10, Ball are required when replacing item 18, Valve Body)	
19	P32051	1	Piston	
20	P32046	1	Piston	
21	P32047	1	Spring, Compression	
22	P32038	1	Piston	
23	P32039	1	Spring, Compression	
24	P32040	1	Spring, Compression	
25	P32042	1	Washer	
26	P32043	AR	Shim, 2.00mm (.0787 in)	
26	P32044	AR	Shim, 1.00mm (.0394 in)	
26	P32045	AR	Shim, .050mm (.0197 in)	
27	P32041	1	Piston	
28	P32052	1	Gasket	
29	P32053	1	Cover	
30	P32015	9	Washer	
31	P32054	9	Capscrew, Socket Hd, M6 x 20mm	
32	P32028	1	Piston	
33	P32029	1	Ring, Shim	
34	P32027	1	Spring, Compression	
35	P32030	AR	Orifice, .60mm (.0236 in)	
35	P32031	AR	Orifice, .65mm (.0256 in)	
35	P32032	AR	Orifice, .70mm (.0275 in)	
35	P32033	AR	Orifice, .75mm (.0296 in)	
35	P32034	AR	Orifice, .80mm (.0315 in)	
35	P32035	AR	Orifice, .85mm (.0335 in)	
35	P32036	AR	Orifice, .90mm (.0354 in)	
36	P32037	1	O-Ring	
37	P31709	9	O-Ring	
38	P32017	8	Plug, Screw	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
39	P32071	2	Ball	
40	P32072	2	Spring, Compression	
41	P32018	2	O-Ring	
42	P32073	2	Plug, Screw	
43	P32065	1	Harness, Wiring	
44	P32067	1	Plate, Support	
45	P32066	2	Capscrew, Socket Hd, M6 x 16mm	

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FIGURE 1-48. OIL TUBES AND DIPSTICK (4WG 100) (1044C-42,1044C-54,10K-42,10K-54,844C-42,8K-42) (844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)



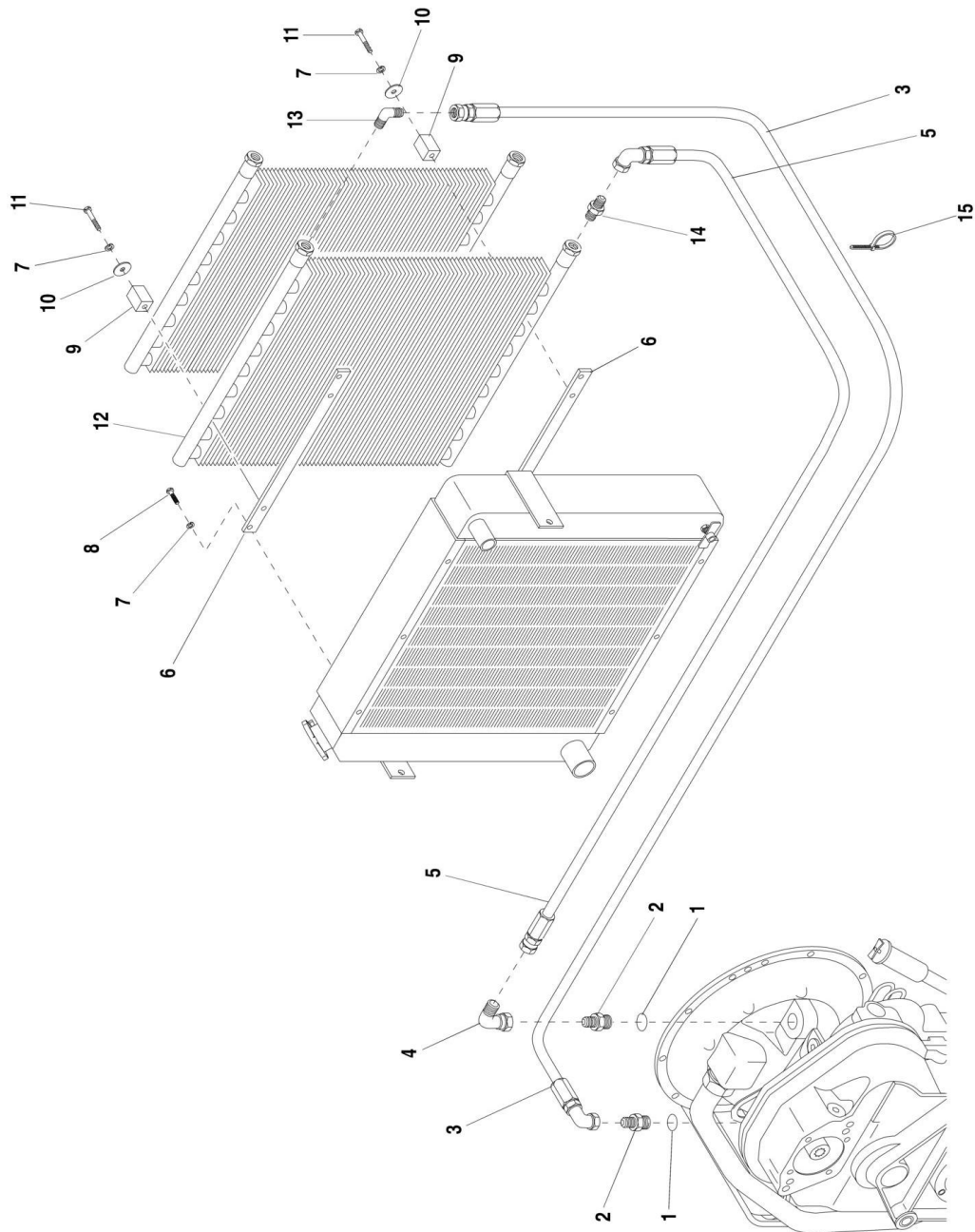
SECTION 1 - DRIVE TRAIN

FIGURE 1-48. OIL TUBES AND DIPSTICK (4WG 100) (1044C-42,1044C-54,10K-42,10K-54,844C-42,8K-42) (844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P32085	6	O-Ring	
2	P32084	6	Union, Pipe	
3	P32087	1	Tube	
4	P32088	1	Tube	
5	P32086	1	Tube	
6	P32081	1	Capscrew, Hx, M20 x 20mm	
7	P32082	1	Washer	
8	P32080	1	Dipstick, Oil	
9	37796X	1	Tube, Oil Level	
10	P32078	1	Union, Pipe	
11	P31743	1	O-Ring	
12	P32091	2	O-Ring	
13	P32090	2	Union, Pipe	
14	P32089	1	Tube, Suction	
15	P32085	4	O-Ring	
16	P32092	4	Plug, Screw	
17	P32109	1	Tube	

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FIGURE 1-49. TRANSMISSION OIL COOLER ASSEMBLY (644B-37 SN 101 through 586; 644B-42 SN 101 through 156; 844C-42 SN 101 through 468; 1044C-42 SN 101 through 113; 1044C-54 SN 101 through 124; 6K-37 SN 101 through 274; 6K-42 SN 101 through 115; 8K-42 SN 101 through 196; 10K-42 SN 101 through 106; 10K-54 Including 101)



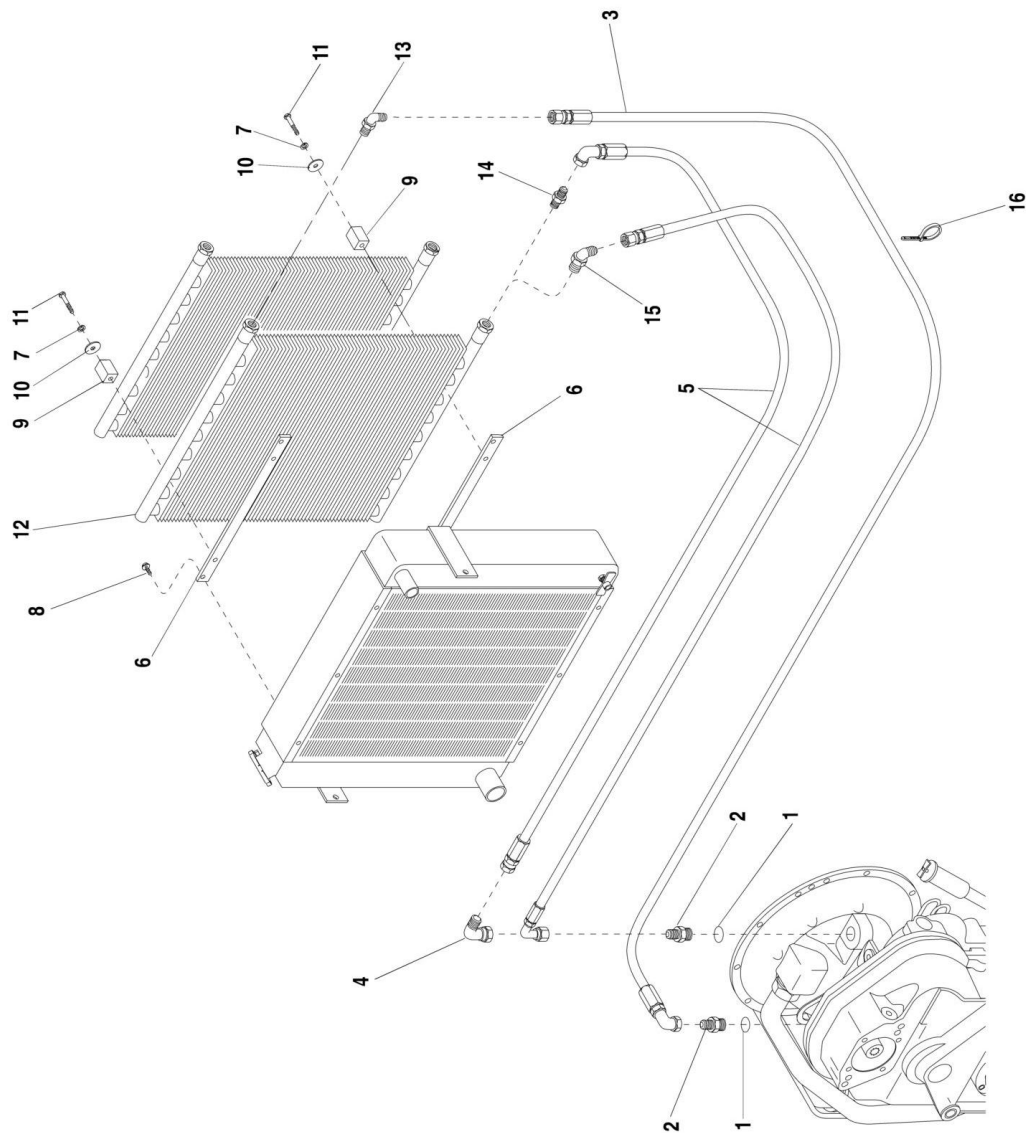
SECTION 1 - DRIVE TRAIN

FIGURE 1-49. TRANSMISSION OIL COOLER ASSEMBLY (644B-37 SN 101 through 586; 644B-42 SN 101 through 156; 844C-42 SN 101 through 468; 1044C-42 SN 101 through 113; 1044C-54 SN 101 through 124; 6K-37 SN 101 through 274; 6K-42 SN 101 through 115; 8K-42 SN 101 through 196; 10K-42 SN 101 through 106; 10K-54 Including 101)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P31574	2	Sealing Washer, 26mm	
2	P31573	2	Adapter, O-Ring	
3	P32420	1	Hose, Transmission Cooler	
4	P21632	1	90, Elbow, Swivel	
5	36573X	1	Hose, Transmission Cooler	
6	36429A	2	Mounting Strap, Oil Cooler	
7	P01309	8	Lockwasher, 5/16in	
8	P00102	4	Capscrew, Hx, 5/16in-18 x 3/4in	
9	P26312	4	Mounting Block, Rubber	
10	P01453	4	Fender Washer, 5/16in	
11	P00110	4	Capscrew, Hx, 5/16in-18 x 2 1/2in	
12	N.L.A.	1	Oil Cooler, Transmission w/ Pipe Thread Ports (Note: For Replacement, Order Oil Cooler Kit 65021B. Kit Includes: 8180315, Oil Cooler w/O-Ring Ports (Replaces 14251B) P17802, 90, Elbow, O-Ring (Replaces Item 13). P19147, Adapter, O-Ring (Replaces Item 14). (See Transmission Oil Cooler Assembly for Breakdown))	
13	P17808	1	90, Elbow, JIC-Pipe	
14	P17804	1	Adapter, JIC-Pipe	
15	P20496	3	Cable Tie	

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FIGURE 1-50. TRANSMISSION OIL COOLER ASSEMBLY (644B-37 SN 587 to Present; 644B-42 SN 157 to Present; 844C-42 SN 469 to Present; 1044C-42 SN 114 to Present; 1044C-54 SN 125 to Present; 6K-37 SN 275 to Present; 6K-42 SN 116 to Present; 8K-42 SN 197 to Present; 10K-42 SN 107 to Present; 10K-54 SN 102 to Present)



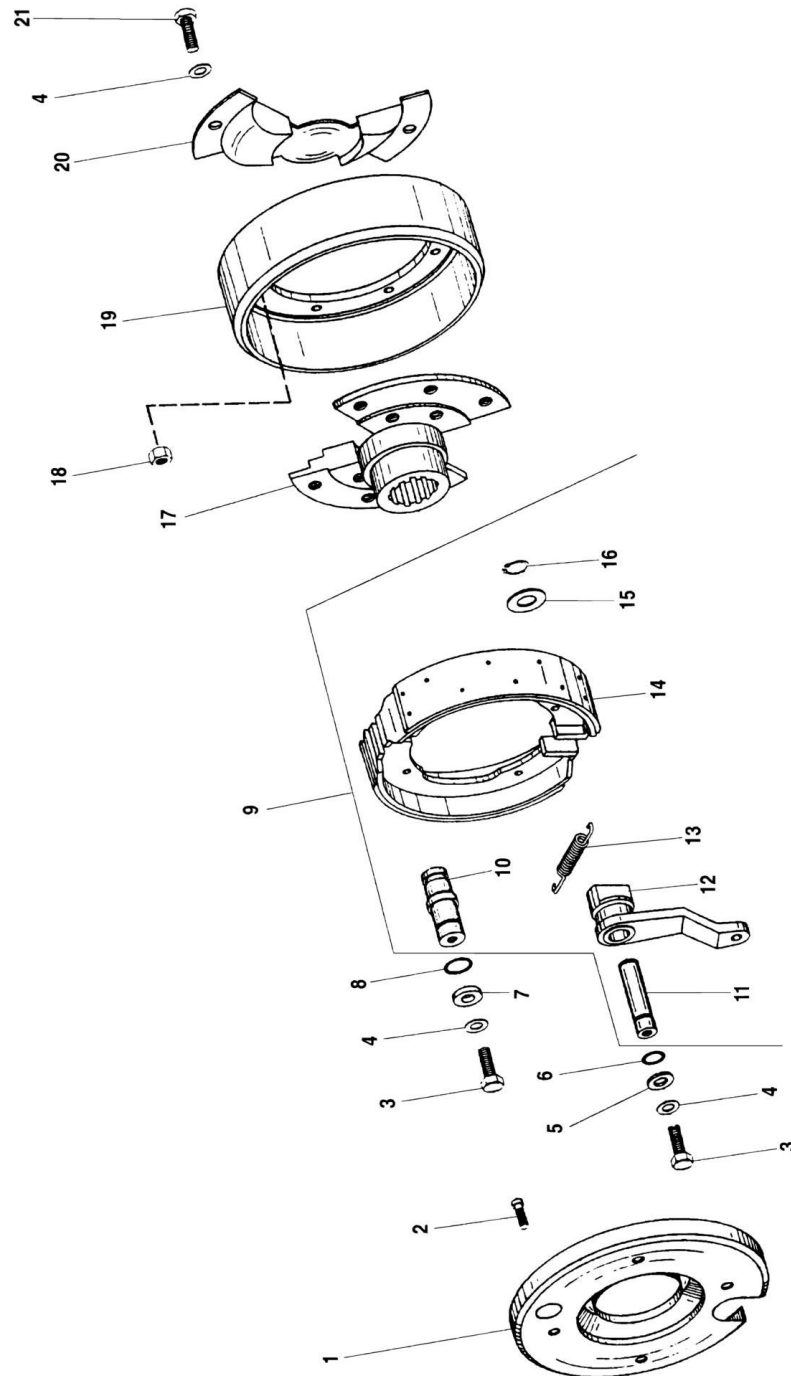
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FIGURE 1-50. TRANSMISSION OIL COOLER ASSEMBLY (644B-37 SN 587 to Present; 644B-42 SN 157 to Present; 844C-42 SN 469 to Present; 1044C-42 SN 114 to Present; 1044C-54 SN 125 to Present; 6K-37 SN 275 to Present; 6K-42 SN 116 to Present; 8K-42 SN 197 to Present; 10K-42 SN 107 to Present; 10K-54 SN 102 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P31574	2	Sealing Washer, 26mm	
2	P31573	2	Adapter, O-Ring	
3	P32420	1	Hose, Transmission Cooler (Note: For Machines with John Deere 6 cylinder use 10837526)	
4	P21632	1	90, Elbow, Swivel	
5	10837604	1	Hose, Transmission Cooler (Note: For Machines with John Deere 6 cylinder use 10866755)	
6	36429A	2	Mounting Strap, Oil Cooler	
7	P01309	4	Lockwasher, 5/16in	
8	P05322	4	Capscrew, Flg Hd, 5/16in-18 x 3/4in	
9	P26312	4	Mounting Block, Rubber	
10	P01453	4	Fender Washer, 5/16in	
11	P00110	4	Capscrew, Hx, 5/16in-18 x 2 1/2in	
12	8180315	1	Oil Cooler, Transmission	
13	P17802	1	90, Elbow, O-Ring	
14	P17805	1	Connector, O-Ring	
15	P19147	1	45, Elbow, O-Ring	
16	P20496	3	Cable Tie	

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FIGURE 1-51. PARK BRAKE ASSEMBLY (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)



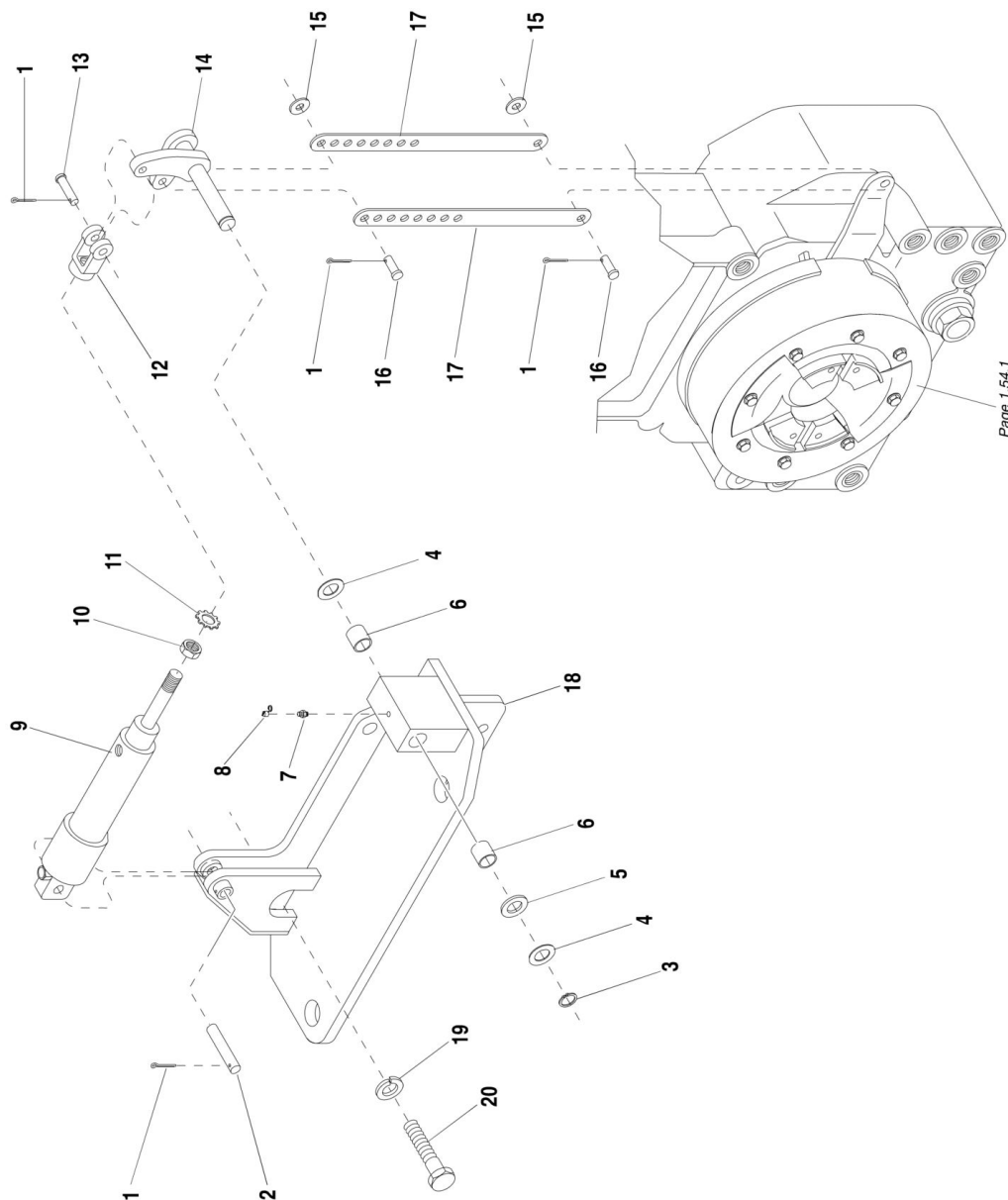
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FIGURE 1-51. PARK BRAKE ASSEMBLY (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P32096	1	Plate, Cover	
2	P31980	4	Capscrew, Socket Hd, M6 x 10mm	
3	P32101	2	Capscrew, Hx, M10 x 22mm	
4	70023906	10	Flatwasher, M10	
5	P32100	1	Washer	
6	P31978	1	O-Ring	
7	P32099	1	Washer	
8	P31979	1	O-Ring	
9	P31981	1	Coupling, Brake (Includes Items 10-16)	
10	P31984	1	Pin, Anchor	
11	P31985	1	Pin	
12	P31988	1	Brake Cam	
13	P31983	2	Spring, Tension	
14	P31982	2	Coupling, Brake Shoe	
15	P31986	1	Washer	
16	P31987	1	Circlip	
17	P32097	1	Output Flange	
18	P31751	2	Nut, Hx, M10	
19	P32093	1	Drum, Brake	
20	P32098	1	Cover Plate	
21	P32094	8	Capscrew, Hx, M10 x 25mm	

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FIGURE 1-52. PARK BRAKE CYLINDER MOUNTING AND LINKAGE ASSEMBLY (644B-37 SN 101 through 383; 644B-42 SN 101 through 119; 844C-42 SN 101 through 281; 1044C-42 SN 101 through 106; 1044C-54 SN 101 through 102; 6K-37 SN 101 through 211; 6K-42 SN 101 through 105; 8K-42 SN 101 through 162, Including 165; 10K-42 SN 101 through 106)



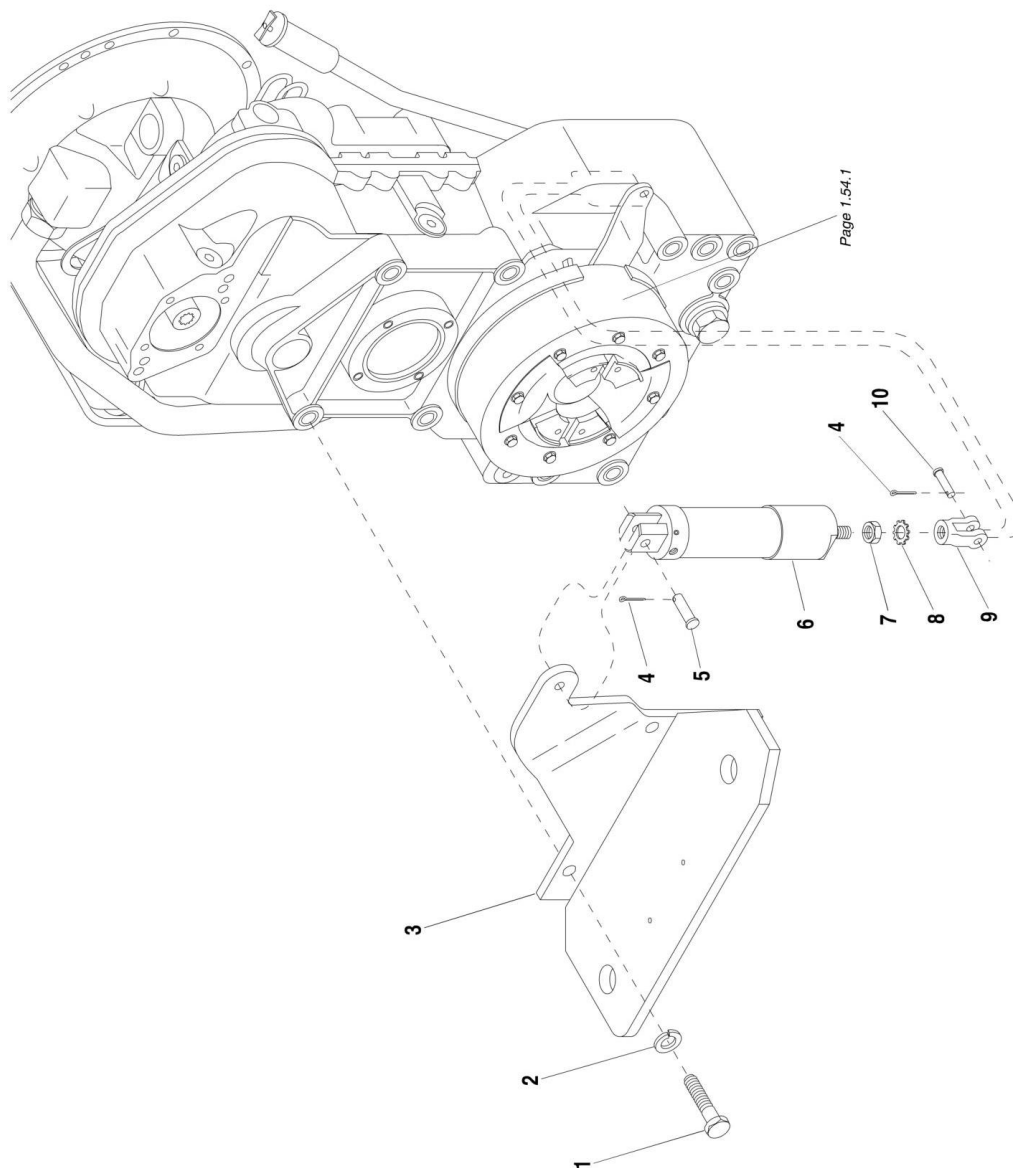
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FIGURE 1-52. PARK BRAKE CYLINDER MOUNTING AND LINKAGE ASSEMBLY (644B-37 SN 101 through 383; 644B-42 SN 101 through 119; 844C-42 SN 101 through 281; 1044C-42 SN 101 through 106; 1044C-54 SN 101 through 102; 6K-37 SN 101 through 211; 6K-42 SN 101 through 105; 8K-42 SN 101 through 162, Including 165; 10K-42 SN 101 through 106)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P03838	4	Cotter Pin, 1/8in x 1in	
2	35032A	1	Pin, Brake Cylinder	
3	P27980	1	Retaining Ring	
4	P31325	AR	Shim, 18 GA	
5	P01440	1	Flatwasher, 3/4in SAE	
6	09325A	2	Bushing	
7	P16611	1	Grease Fitting	
8	P32689	1	Cover, Grease Fitting	
9	33349B	1	Cylinder, Park Brake	
10	P01562	1	Jam Nut, Hx, 5/8in-11	
11	P01363	1	Starwasher, 5/8in External	
12	36599A	1	Clevis	
13	P15335	1	Clevis Pin, 3/8in x 1 1/2in	
14	36597B	1	Bell Crank	
15	P01404	2	Flatwasher, 3/8in	
16	P20833	2	Clevis Pin, 3/8in x 1in	
17	34636B	2	Link, Adjustable	
18	36938B	2	Mount, Park Brake Cylinder	
19	P04613	4	Lockwasher, M20	
20	P04354	4	Capscrew, Hx, M20-2.5 x 50mm C8.8	

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FIGURE 1-53. PARK BRAKE CYLINDER MOUNTING AND LINKAGE ASSEMBLY (644B-37 SN 384 to Present; 644B-42 SN 120 to Present; 844C-42 SN 282 to Present; 1044C-42 SN 107 to Present; 1044C-54 SN 103 to Present; 6K-37 SN 212 to Present; 6K-42 SN 106 to Present; 8K-42 SN 163 through 164, Including 166; 10K-42 SN 107 to Present; 10K-54 SN 101 to Present)



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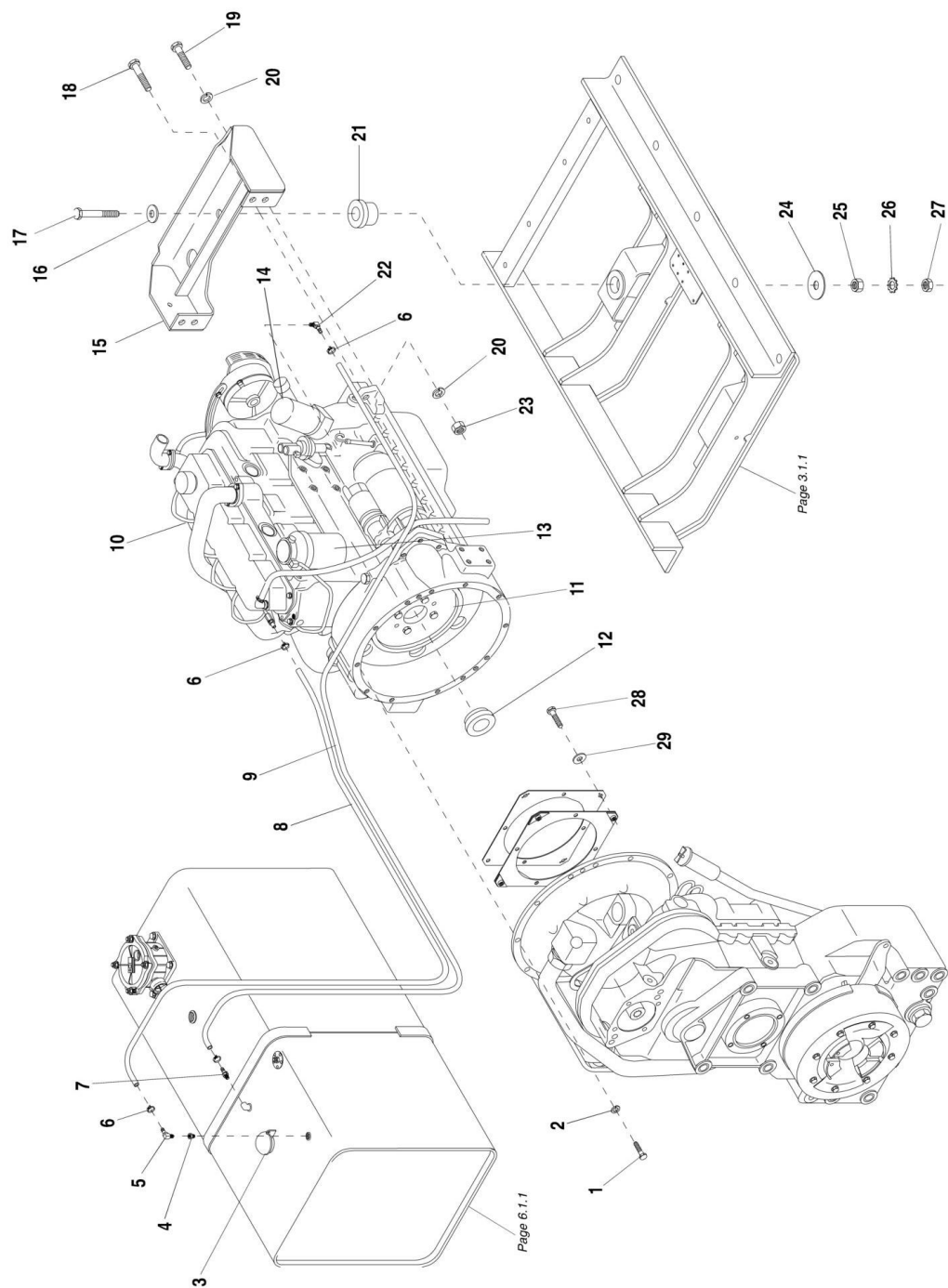
FIGURE 1-53. PARK BRAKE CYLINDER MOUNTING AND LINKAGE ASSEMBLY (644B-37 SN 384 to Present; 644B-42 SN 120 to Present; 844C-42 SN 282 to Present; 1044C-42 SN 107 to Present; 1044C-54 SN 103 to Present; 6K-37 SN 212 to Present; 6K-42 SN 106 to Present; 8K-42 SN 163 through 164, Including 166; 10K-42 SN 107 to Present; 10K-54 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P04354	4	Capscrew, Hx, M20-2.5 x 50mm C8.8	
2	P04613	4	Lockwasher, M20	
3	38777B	1	Mount, Park Brake Cylinder	
4	10703838	2	Cotter Pin, 1/8in x 1in	
5	38907A	1	Clevis Pin, 1/2in x 1 3/4in	
6	38805B	1	Cylinder, Park Brake	
7	P01562	1	Jam Nut, Hx, 5/8in-11	
8	P01363	1	Starwasher, 5/8in External	
9	36599A	1	Clevis	
10	P15335	1	Clevis Pin, 3/8in x 1 1/2in	

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FIGURE 2-1. ENGINE MOUNTING AND FUEL LINES (DEERE 4039D)



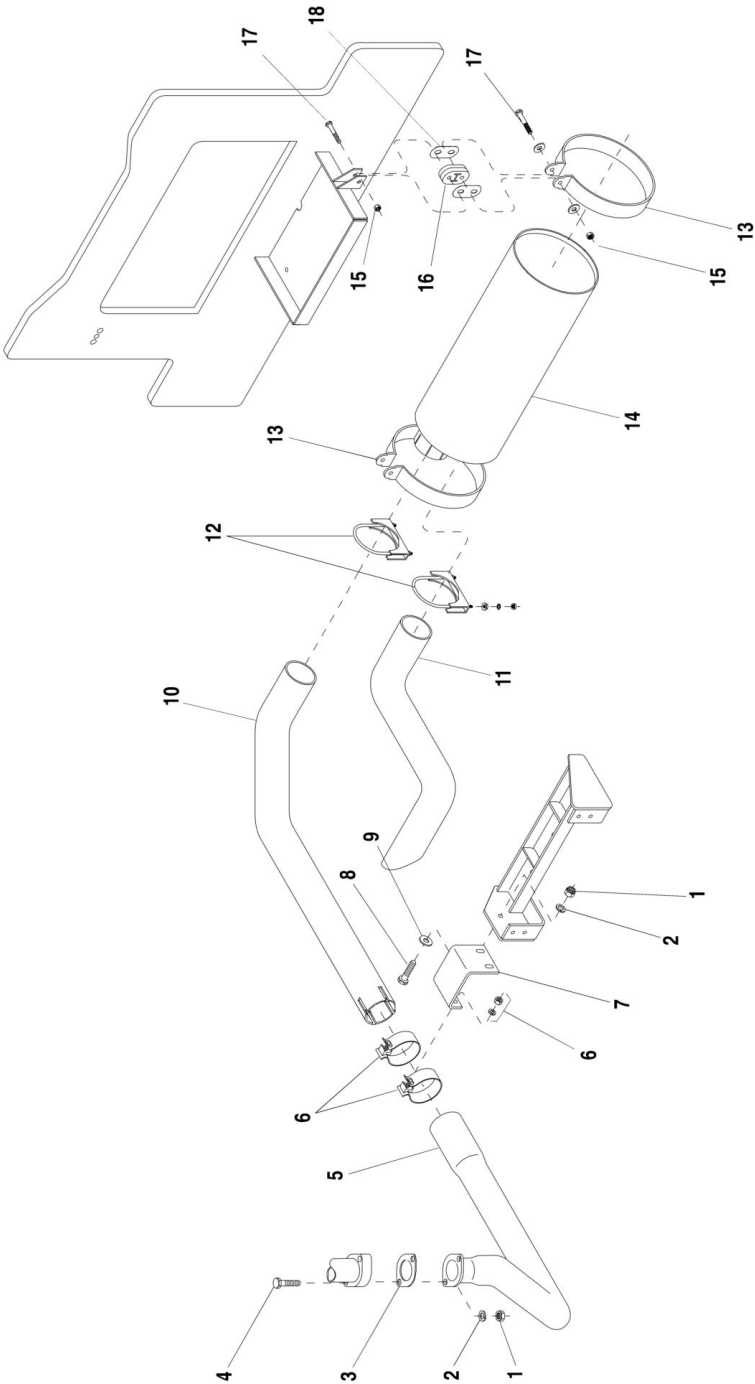
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FIGURE 2-1. ENGINE MOUNTING AND FUEL LINES (DEERE 4039D)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P00205	11	Capscrew, Hx, 3/8in-16 x 1 1/4in	
1	P00204	1	Capscrew, Hx, 3/8in-16 x 1in	
2	P01310	12	Lockwasher, 3/8in	
3	P12182	Ref	Fuel Cap	
4	P10690	1	Reducer Bushing	
5	P21317	1	90, Elbow, Pipe to Hose	
6	P14047	4	Hose Clamp, Fuel Line	
7	37557X	1	Adapter, Pipe to Hose (Replaces P13619)	
8	N12346	1	Hose, Fuel Return - 1/4in I.D.	
9	N11437	1	Hose, Fuel Supply - 5/16in I.D.	
10	N.S.S.	1	Engine, 4 Cyl Diesel - Deere Natural (Shown)	
11	37563X	Ref	Flywheel (Includes Ring Gear and Item 12) (Replaces 35048B)	
12	35049A	Ref	Centering Sleeve (Option Code 1518) (Note: Used For the Following (644B-37 S/N 101 through 374, 644B-42 S/N 101 through 120, 844C-42 S/N 101 through 139, 8K-42 S/N 101 through 139, 6K-37 S/N 101 through 211 & 6K-42 S/N 101 through 105))	
12	37566X	Ref	Centering Sleeve (Option Code 1525)	
13	P32582	Ref	Fuel Filter, Engine	
14	P22635	Ref	Oil Filter, Engine	
15	38402B	1	Mounting Bracket, Engine (Replaces 36143A)	
16	P01408	1	Flatwasher, 5/8in	
17	P00690	1	Capscrew, Hx, 5/8in-18 x 3 3/4in GR8	
18	P00607	2	Capscrew, Hx, 5/8in-11 x 2 3/4in	
19	P00602	2	Capscrew, Hx, 5/8in-11 x 1 1/2in	
20	P01314	4	Lockwasher, 5/8in	
21	P18181	1	Rubber Mount, Engine	
22	P21236	1	90, Elbow, Pipe to Hose	
23	P01512	2	Nut Hx, 5/8in-11	
24	15618A	1	Snubbing Washer	
25	P01535	1	Nut, Hx, 5/8in-18	
26	P01363	1	Starwasher, 5/8in	
27	P01585	1	Jam Nut, Hx, 5/8in-18	
28	P04181	4	Capscrew, Hx, M10-1.5 x 40mm C10.9	
29	P04631	4	Flatwasher, M10	
Ref	66030C	1	Engine Block Heater Kit - 1000 Watts (Optional)	
Ref	66564B	-	Engine Oil Drain Valve (Optional)	

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FIGURE 2-2. EXHAUST ASSEMBLY (DEERE 4039D)



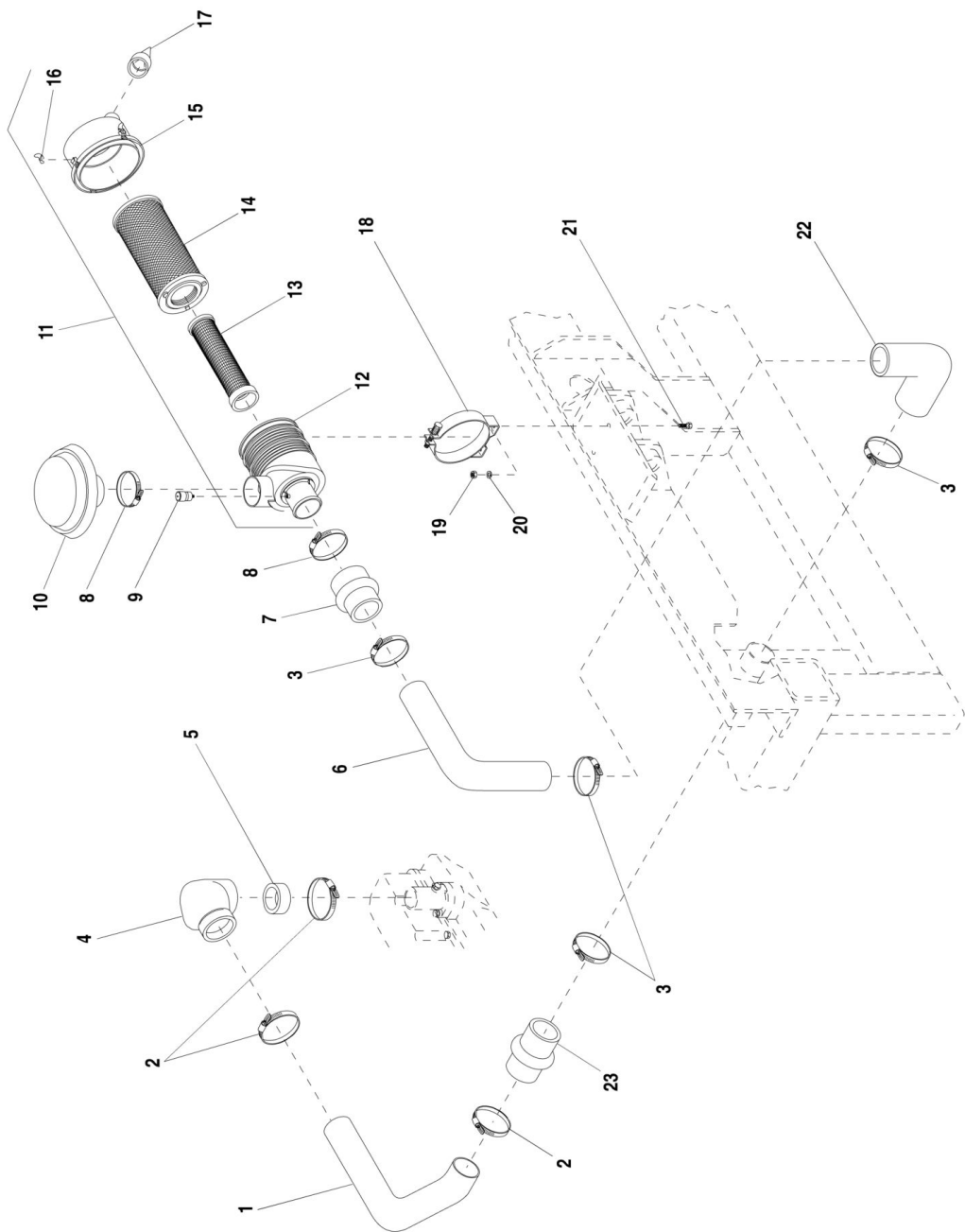
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FIGURE 2-2. EXHAUST ASSEMBLY (DEERE 4039D)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P01508	4	Nut Hx, 3/8in-16	
2	P01310	4	Lockwasher, 3/8in	
3	P91168	1	Gasket, Exhaust Pipe	
4	P00207	2	Capscrew, Hx, 3/8in-16 x 1 3/4in	
5	36462B	1	Pipe, Exhaust Manifold	
6	37475X	2	Seal Clamp, Exhaust (Supersedes P33144)	
7	36405A	1	Bracket, Exhaust Clamp	
8	P00205	2	Capscrew, Hx, 3/8in-16 x 1 1/4in	
9	P01404	2	Flatwasher, 3/8in	
10	36402A	1	Pipe, Exhaust	
11	36412A	1	Pipe, Tail	
12	P17169	2	Muffler Clamp	
13	39876A	2	Mounting Ring, Muffler (Includes 1 each of Items 15 & 17)	
14	P32697	1	Muffler	
15	P01680	4	Locknut, Hx, 5/16in-24	
16	P32982	2	Exhaust Hanger, Rubber	
17	P00158	4	Capscrew, Hx, 5/16in-24 x 2in	
18	39922A	4	Link, Hanger Support (Note: Not Factory Installed on Early Production Models)	

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FIGURE 2-3. AIR CLEANER ASSEMBLY (DEERE 4039D)



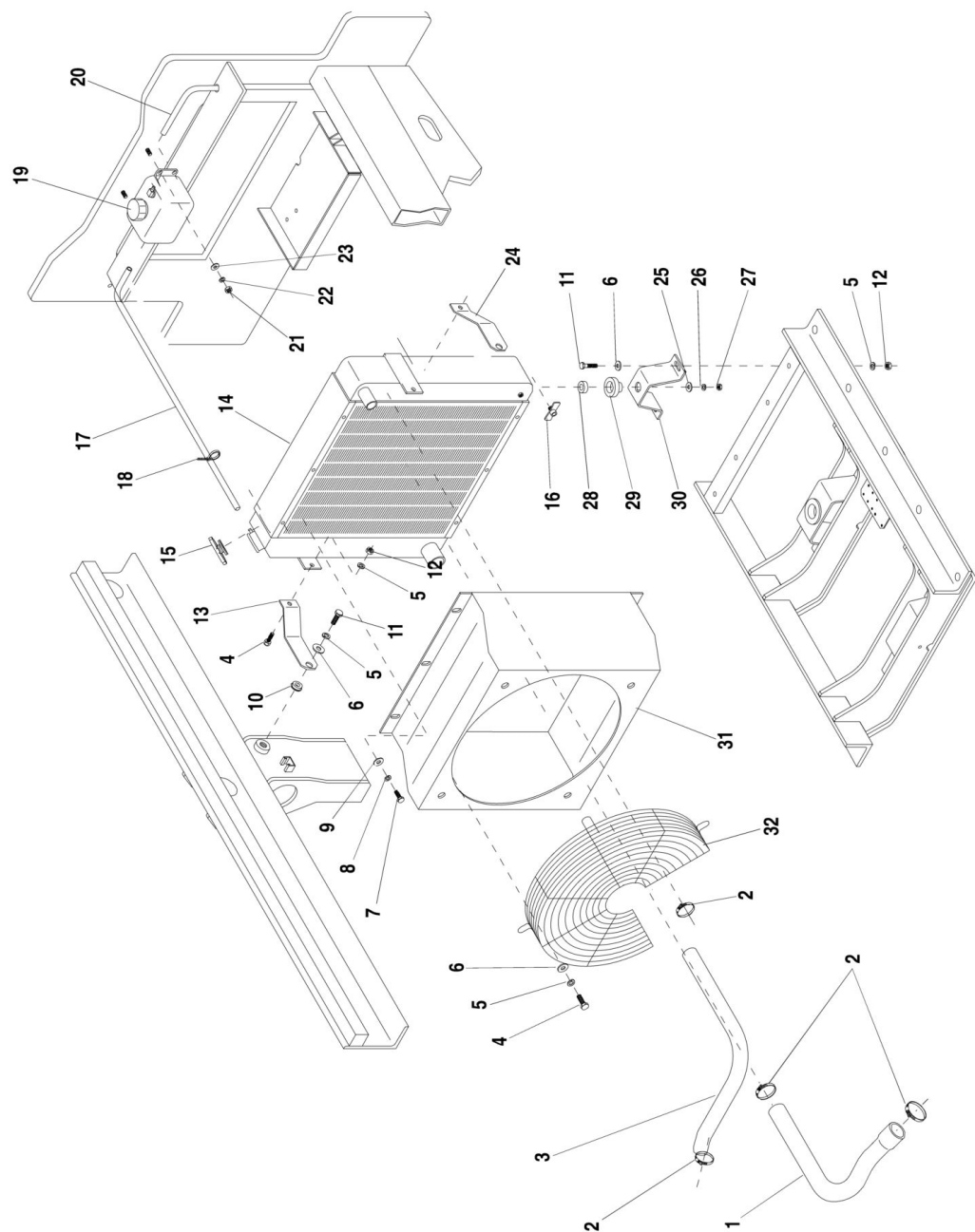
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FIGURE 2-3. AIR CLEANER ASSEMBLY (DEERE 4039D)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	36461B	1	Tube, Intake to Frame	
2	10710600	3	Hose Clamp, 2 1/2in	
3	P10553	4	Hose Clamp, #48	
4	P31594	1	Elbow, Intake	
5	36569X	1	Reducer, Adapter	
6	36399B	1	Tube, Frame to Air Cleaner	
7	P33143	1	Hump Reducer	
8	P19267	2	Hose Clamp, #64	
9	P21485	1	Service Indicator (Includes Fitting)	
10	P33146	1	Hood, Air Inlet	
11	P33141	1	Air Cleaner (Includes Items 11-16)	
12	N.S.S.	1	Body	
13	P33181	1	Filter Element, Safety	
14	P33180	1	Filter Element, Primary	
15	P33182	1	Cover	
16	P33184	3	Latch	
17	P33183	1	Vacuator Valve	
18	P33142	1	Mounting Band	
19	P01507	2	Nut, Hx, 5/16in-18	
20	P01309	2	Lockwasher, 5/16in	
21	P00102	2	Capscrew, Hx, 5/16in-18 x 3/4in	
22	P20854	1	90, Elbow, Rubber	
23	36982X	1	Hump Adapter	
		Ref	N.S.S. = Not Sold Separately	

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FIGURE 2-4. RADIATOR GROUP ASSEMBLY (DEERE 4039D)



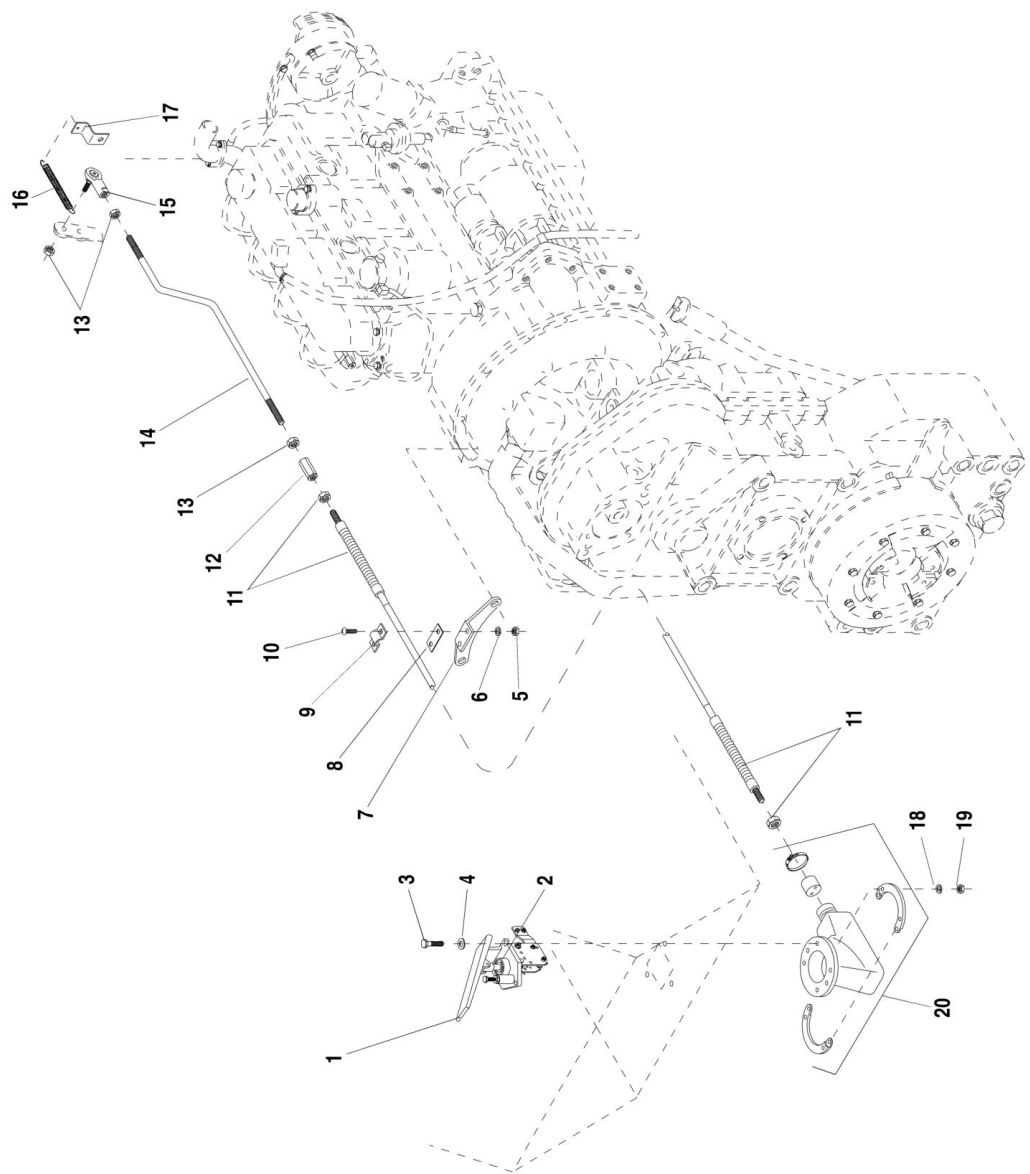
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FIGURE 2-4. RADIATOR GROUP ASSEMBLY (DEERE 4039D)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	36472A	1	Radiator Hose, Lower	
2	P10601	4	Hose Clamp	
3	36471A	1	Radiator Hose, Upper	
4	P00202	6	Capscrew, Hx, 3/8in-16 x 3/4in	
5	P01310	12	Lockwasher, 3/8in	
6	P01404	10	Flatwasher, 3/8in	
7	P00102	6	Capscrew, Hx, 5/16in-18 x 3/4in	
8	P01309	6	Lockwasher, 5/16in	
9	P01403	6	Flatwasher, 5/16in	
10	15845B	2	Rubber Grommet	
11	P00204	6	Capscrew, Hx, 3/8in-16 x 1in	
12	P01508	6	Nut, Hx, 3/8in-16	
13	36991A	1	Support Bracket, R.H.	
14	36043C	1	Radiator, Crossflow (Includes Items 15, 16 & 17)	
15	P25365	1	Cap, Radiator	
16	P16675	1	Drain Cock	
17	N12347	1	Hose, Recovery Tank	
18	P17989	3	Cable Tie (Note: Used 644B-37, Early Production Only)	
19	36491B	1	Recovery Tank, Coolant	
20	N12348	1	Hose, Drain	
21	P01506	2	Nut, Hx, 1/4in-20	
22	P01308	2	Lockwasher, 1/4in	
23	P01402	2	Flatwasher, 1/4in	
24	36992A	1	Support Bracket, L.H.	
25	P01406	2	Flatwasher, 1/2in	
26	P01312	2	Lockwasher, 1/2in	
27	P01510	2	Nut, Hx, 1/2in-13	
28	P24305	2	Bushing	
29	P24306	2	Grommet	
30	36288B	2	Support, Radiator	
31	65024D	1	Fan Shroud, Plastic (Supersedes 36207B)	
32	38470B	1	Fan Guard	

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FIGURE 2-5. THROTTLE GROUP ASSEMBLY (DEERE 4039D) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 101 through 402; 644B-42 SN 101 through 124; 6K-37 SN 101 through 215; 6K-42 SN 101 through 106)



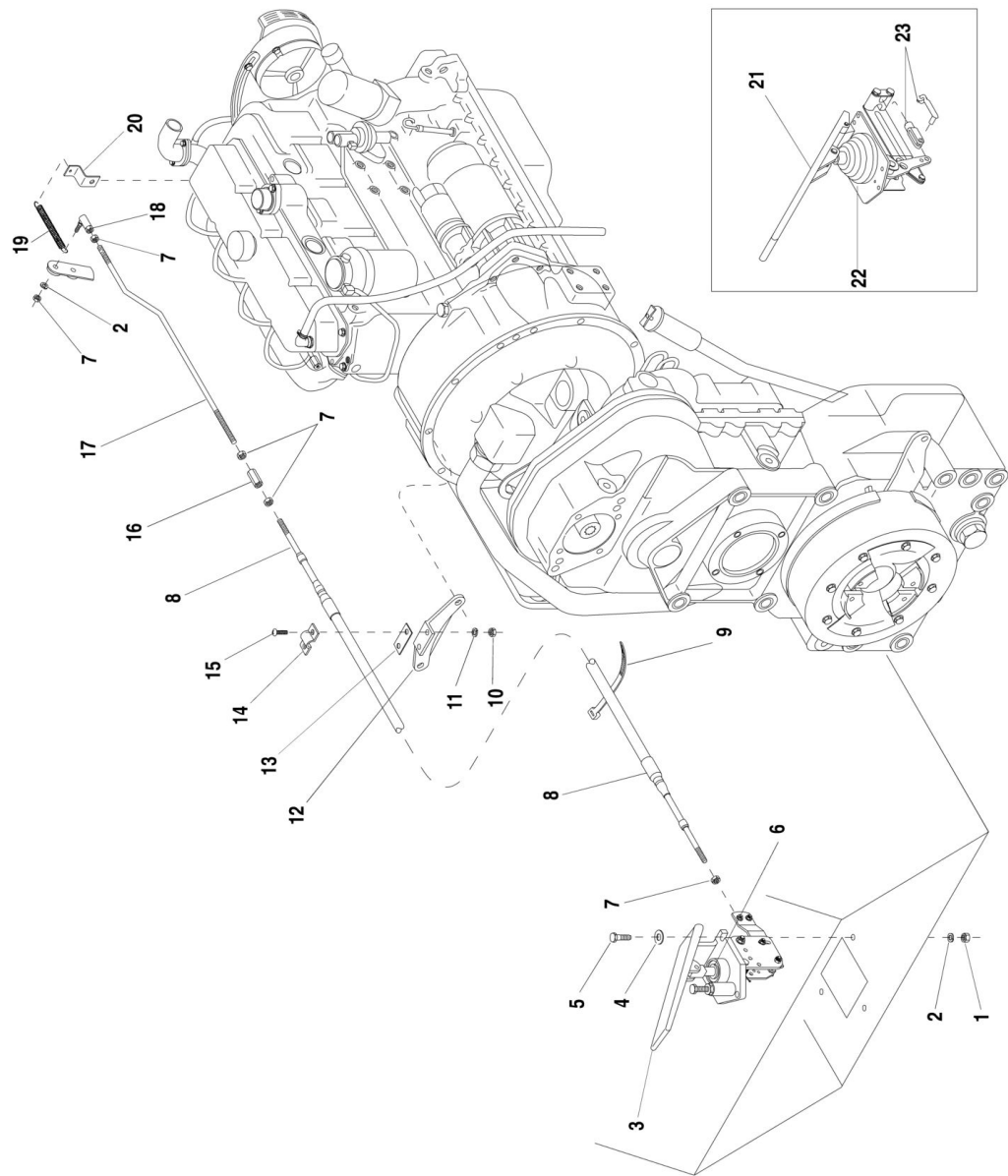
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FIGURE 2-5. THROTTLE GROUP ASSEMBLY (DEERE 4039D) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 101 through 402; 644B-42 SN 101 through 124; 6K-37 SN 101 through 215; 6K-42 SN 101 through 106)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	16461A	1	Accelerator Pedal (Includes Item 2)	
2	P20069	1	Bellows	
3	P00006	3	Capscrew, Hx, 1/4in-20 x 1 1/4in	
4	P01402	2	Flatwasher, 1/4in	
5	P01504	2	Nut, Hx, #10-24	
6	P01306	2	Lockwasher, #10	
7	36423A	1	Bracket, Throttle Cable	
8	16401A	1	Shim, Cable Clamp	
9	14383A	1	Clamp, Cable	
10	P02057	2	Screw, Slotted Rd Hd, #10-24 x 3/4in	
11	16462A	1	Cable, Throttle	
12	P27815	1	Coupling, Nut	
13	P01529	3	Nut, Hx, 1/4in-28	
14	35419B	1	Extension Rod, Throttle	
15	P10505	1	Ball Joint, Rod End	
16	P21260	1	Spring	
17	17786A	1	Anchor, Spring	
18	P01308	3	Lockwasher, 1/4in	
19	P01506	3	Nut, Hx, 1/4in-20	
20	16466A	1	Boot Guard, Pedal	

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FIGURE 2-6. THROTTLE GROUP ASSEMBLY (DEERE 4039D) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 403 to Present; 644B-42 SN 125 to Present; 6K-37 SN 216 to Present; 6K-42 SN 107 to Present)



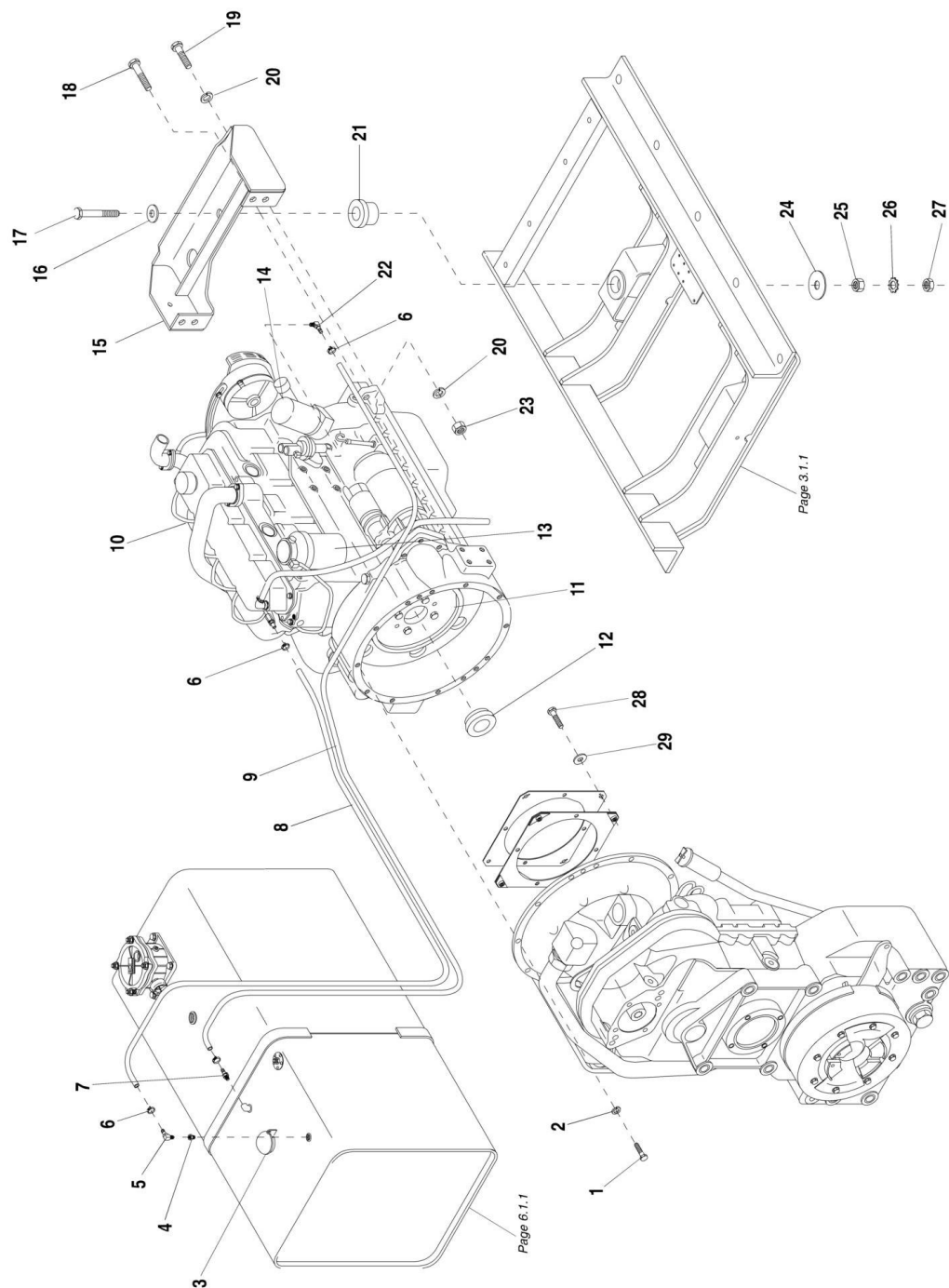
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FIGURE 2-6. THROTTLE GROUP ASSEMBLY (DEERE 4039D) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 403 to Present; 644B-42 SN 125 to Present; 6K-37 SN 216 to Present; 6K-42 SN 107 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P01506	3	Nut, Hx, 1/4in-20	
2	P01308	4	Lockwasher, 1/4in	
3	P19263	1	Accelerator Pedal (Includes Item 6) (Replaces 37378X)	
4	P01402	3	Flatwasher, 1/4in	
5	P00003	3	Capscrew, Hx, 1/4in-20 x 3/4in	
6	P20069		Bellows	
7	P01529	5	Nut, Hx, 1/4in-28	
8	37379X	1	Cable, Throttle - 96in Long	
9	P20496	4	Cable Tie	
10	P01504	2	Nut, Hx, #10-24	
11	P01306	2	Lockwasher, #10	
12	36423A	1	Bracket, Throttle Cable	
13	16401A	1	Shim, Cable Clamp	
14	14383A	1	Clamp, Cable	
15	P02057	2	Screw, Slotted Rd Hd, #10-24 x 3/4in	
16	P27815	1	Coupling, Nut	
17	35419B	1	Extension Rod, Throttle	
18	38978A	1	Ball Joint, Rod End	
19	P21260	1	Spring	
20	17786A	1	Anchor, Spring	
21	N.L.A.	-	Accelerator Pedal (Note: Order Item 3 for a Replacement)	
22	37567X	1	Bellows	
23	38818A	1	Yoke end w/ Spring Pin	

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FIGURE 2-7. ENGINE MOUNTING AND FUEL LINES (DEERE 4039T)



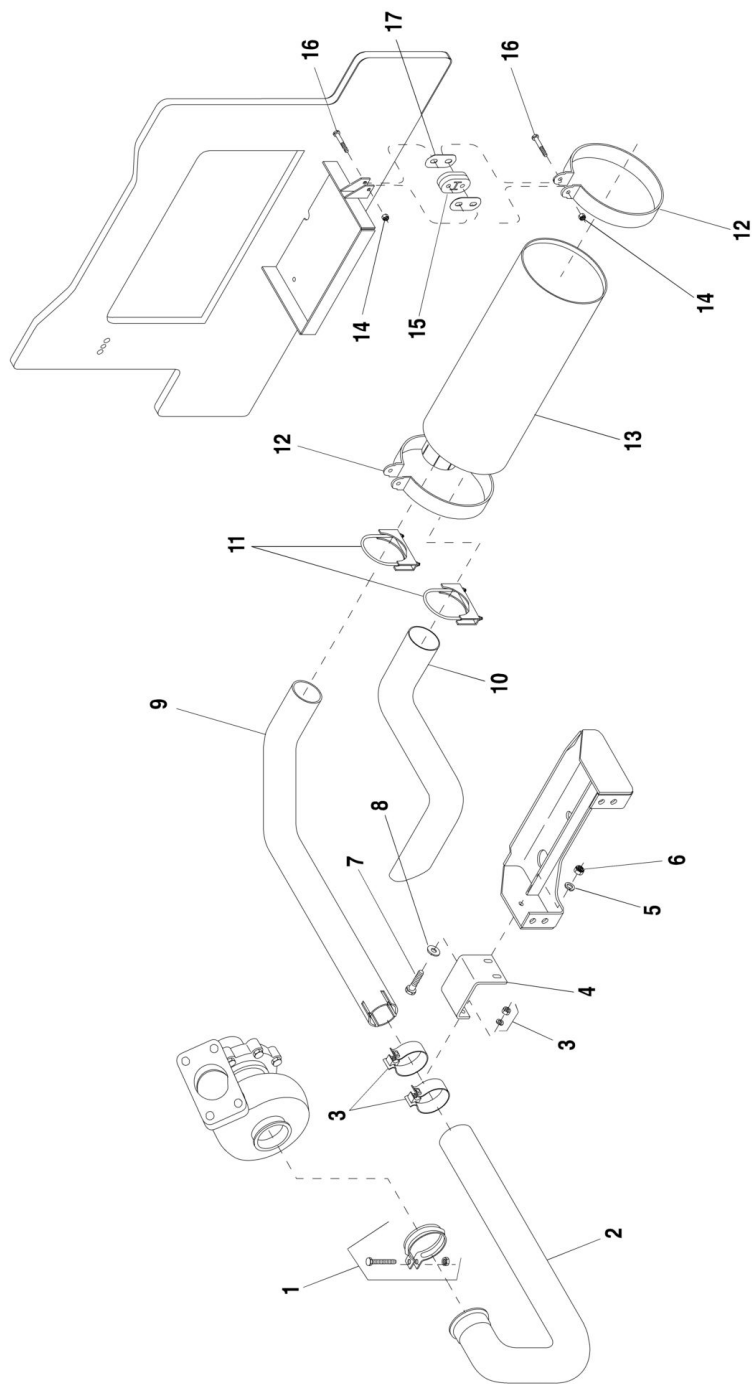
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FIGURE 2-7. ENGINE MOUNTING AND FUEL LINES (DEERE 4039T)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P00205	11	Capscrew, Hx, 3/8in-16 x 1 1/4in	
1	P00204	1	Capscrew, Hx, 3/8in-16 x 1in	
2	P01310	12	Lockwasher, 3/8in	
3	P12182	Ref	Fuel Cap	
4	P10690	1	Reducer Bushing	
5	P21317	1	90, Elbow, Pipe to Hose	
6	P14047	4	Hose Clamp, Fuel Line	
7	37557X	1	Adapter, Pipe to Hose (Replaces P13619)	
8	N12346	1	Hose, Fuel Return - 1/4in I.D.	
9	N11437	1	Hose, Fuel Supply - 5/16in I.D.	
10	N.S.S.	1	Engine, 4 Cyl Diesel - Deere Turbo	
11	37563X	Ref	Flywheel (Includes Ring Gear and Item 12) (Replaces 35048B)	
12	35049A	Ref	Centering Sleeve (Option Code 1518) (Note: Used For the Following (644B-37 S/N 101 through 374, 644B-42 S/N 101 through 120, 844C-42 S/N 101 through 139, 8K-42 S/N 101 through 139, 6K-37 S/N 101 through 211 & 6K-42 S/N 101 through 105))	
12	37566X	Ref	Centering Sleeve (Option Code 1525)	
13	P32582	Ref	Fuel Filter, Engine	
14	P22635	Ref	Oil Filter, Engine	
15	38402B	1	Mounting Bracket, Engine (Replaces 36143A)	
16	P01408	1	Flatwasher, 5/8in	
17	P00690	1	Capscrew, Hx, 5/8in-18 x 3 3/4in GR8	
18	P00607	2	Capscrew, Hx, 5/8in-11 x 2 3/4in	
19	P00602	2	Capscrew, Hx, 5/8in-11 x 1 1/2in	
20	P01314	4	Lockwasher, 5/8in	
21	P18181	1	Rubber Mount, Engine	
22	P21236	1	90, Elbow, Pipe to Hose	
23	P01512	2	Nut Hx, 5/8in-11	
24	15618A	1	Snubbing Washer	
25	P01535	1	Nut, Hx, 5/8in-18	
26	P01363	1	Starwasher, 5/8in	
27	P01585	1	Jam Nut, Hx, 5/8in-18	
28	P04181	4	Capscrew, Hx, M10-1.5 x 40mm C10.9	
29	P04631	4	Flatwasher, M10	
Ref	66030C	1	Engine Block Heater Kit - 1000 Watts (Optional)	
Ref	66564B		Engine Oil Drain Valve (Optional)	

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FIGURE 2-8. EXHAUST ASSEMBLY (DEERE 4039T)



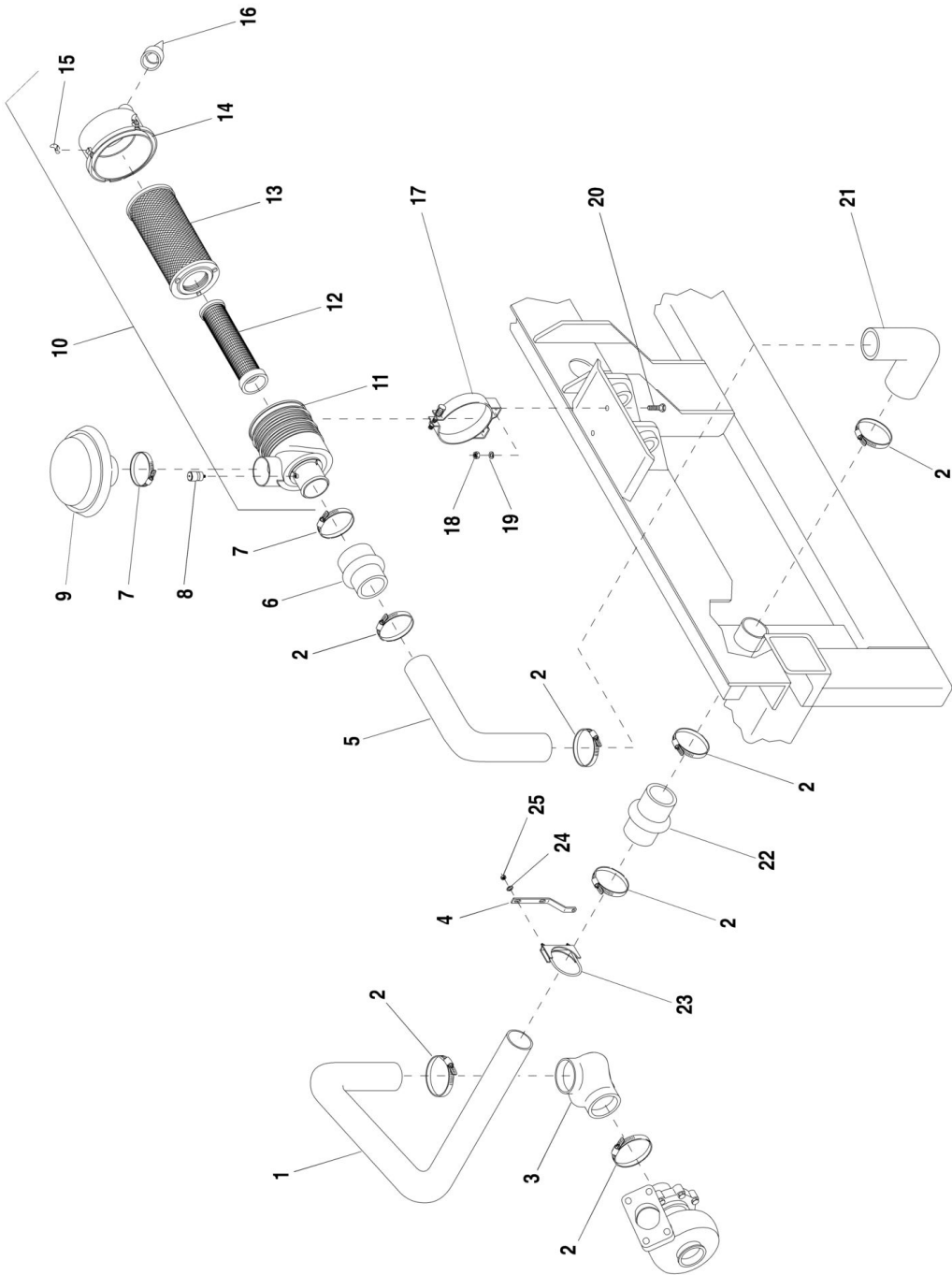
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FIGURE 2-8. EXHAUST ASSEMBLY (DEERE 4039T)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P26302	1	Clamp, Exhaust Pipe	
2	36400A	1	Pipe, Exhaust Manifold	
3	37475X	2	Seal Clamp, Exhaust (Supersedes P33144)	
4	36405A	1	Bracket, Exhaust Clamp	
5	P01310	4	Lockwasher, 3/8in	
6	P01508	4	Nut Hx, 3/8in-16	
7	P00205	2	Capscrew, Hx, 3/8in-16 x 1 1/4in	
8	P01404	2	Flatwasher, 3/8in	
9	36402A	1	Pipe, Exhaust	
10	36412A	1	Pipe, Tail	
11	P17169	2	Muffler Clamp	
12	39876A	2	Mounting Ring, Muffler (Includes 1 each of Items 14 & 15)	
13	P32697	1	Muffler	
14	P01680	4	Locknut, Hx, 5/16in-24	
15	P32982	2	Exhaust Hanger, Rubber	
16	P00158	4	Capscrew, Hx, 5/16in-24 x 2in	
17	39922A	4	Link, Hanger Support (Note: Not Factory Installed on Early Production Models)	

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FIGURE 2-9. AIR CLEANER ASSEMBLY (DEERE 4039T)



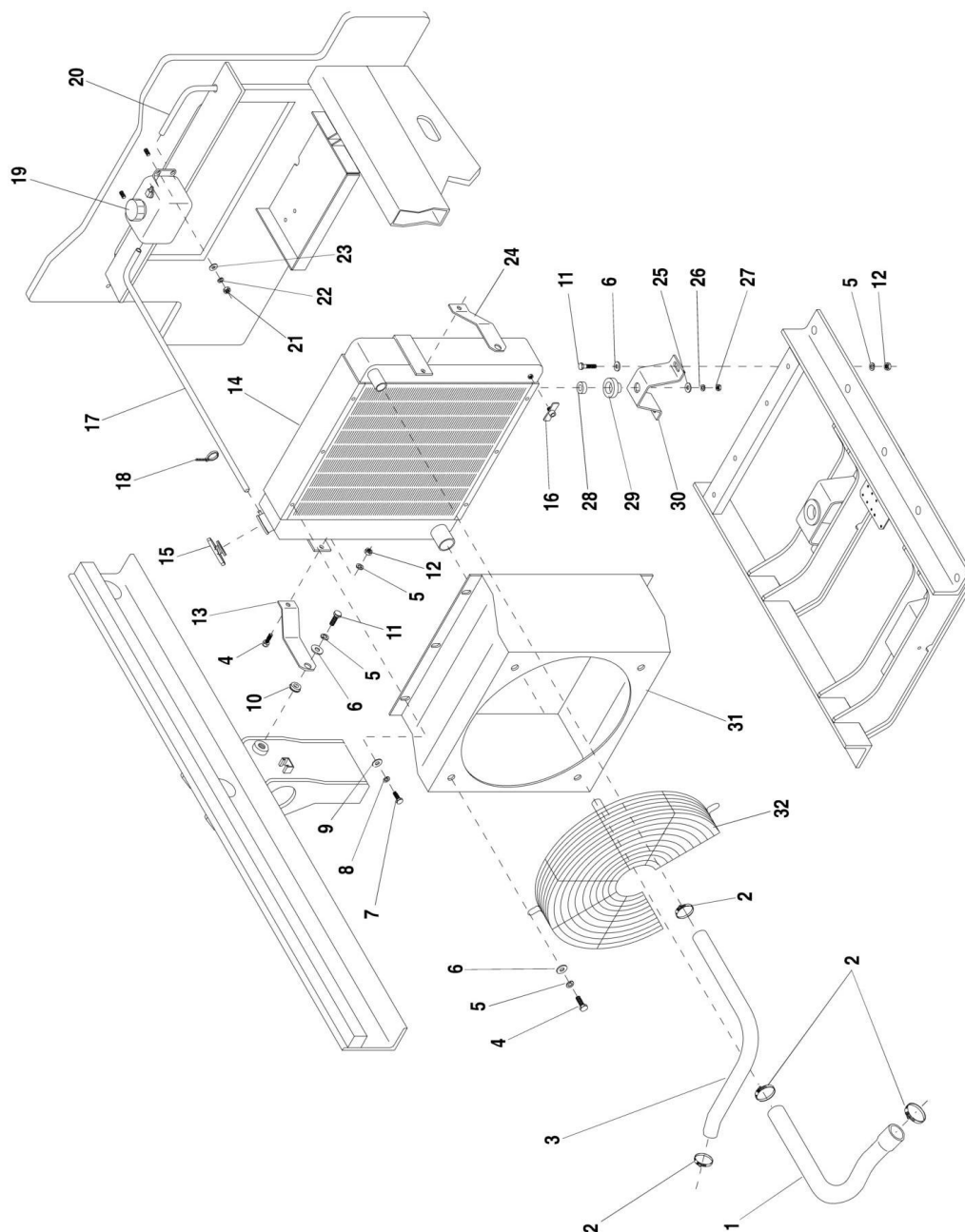
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FIGURE 2-9. AIR CLEANER ASSEMBLY (DEERE 4039T)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	36398B	1	Tube, Intake to Frame	
2	P10553	7	Hose Clamp, #48	
3	P31594	1	Elbow, Intake	
4	38095A	1	Support Bracket, Intake Tube	
5	36399B	1	Tube, Frame to Air Cleaner	
6	P33143	1	Hump Reducer	
7	P19267	2	Hose Clamp, #64	
8	P21485	1	Service Indicator (Includes Fitting)	
9	P33146	1	Hood, Air Inlet	
10	P33141	1	Air Cleaner (Includes Items 11-16)	
11	N.S.S.	1	Body	
12	P33181	1	Filter Element, Safety	
13	P33180	1	Filter Element, Primary	
14	P33182	1	Cover	
15	P33184	3	Latch	
16	P33183	1	Vacuator Valve	
17	P33142	1	Mounting Band	
18	P01507	2	Nut, Hx, 5/16in-18	
19	P01309	2	Lockwasher 5/16in	
20	P00102	2	Capscrew, Hx, 5/16in-18 x 3/4in	
21	P20854	1	90, Elbow, Rubber	
22	36982X	1	Hump Adapter	
23	P17169	1	Clamp, Intake Tube	
24	P01359	2	Starwasher, 3/8in External	
25	P01558	2	Jam, Nut, Hx, 3/8in-16	
		Ref	N.S.S. = Not Sold Separately	

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FIGURE 2-10. RADIATOR GROUP ASSEMBLY (DEERE 4039T)



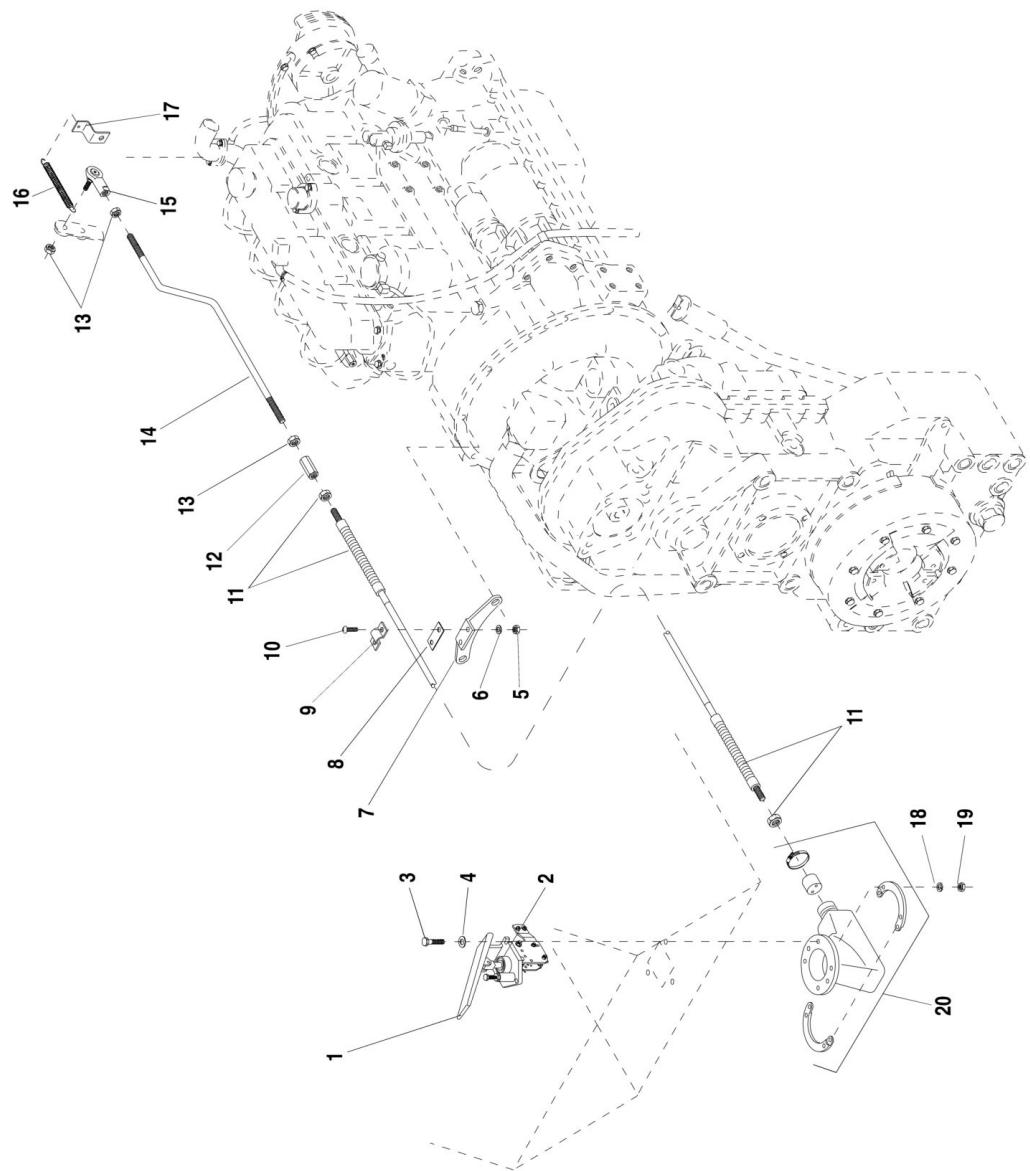
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FIGURE 2-10. RADIATOR GROUP ASSEMBLY (DEERE 4039T)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	36472A	1	Radiator Hose, Lower	
2	P10601	4	Hose Clamp	
3	36471A	1	Radiator Hose, Upper	
4	P00202	6	Capscrew, Hx, 3/8in-16 x 3/4in	
5	P01310	12	Lockwasher, 3/8in	
6	P01404	10	Flatwasher, 3/8in	
7	P00102	6	Capscrew, Hx, 5/16in-18 x 3/4in	
8	P01309	6	Lockwasher, 5/16in	
9	P01403	6	Flatwasher, 5/16in	
10	15845B	2	Rubber Grommet	
11	P00204	6	Capscrew, Hx, 3/8in-16 x 1in	
12	P01508	6	Nut, Hx, 3/8in-16	
13	36991A	1	Support Bracket, R.H.	
14	36043C	1	Radiator, Crossflow (Includes Items 15, 16 & 17)	
15	P25365	1	Cap, Radiator	
16	P16675	1	Drain Cock	
17	N12347	1	Hose, Recovery Tank	
18	P17989	3	Cable Tie (Note: Used Early Production Only)	
19	36491B	1	Recovery Tank, Coolant	
20	N12348	1	Hose, Drain	
21	P01506	2	Nut, Hx, 1/4in-20	
22	P01308	2	Lockwasher, 1/4in	
23	P01402	2	Flatwasher, 1/4in	
24	36992A	1	Support Bracket, L.H.	
25	P01406	2	Flatwasher, 1/2in	
26	P01312	2	Lockwasher, 1/2in	
27	P01510	2	Nut, Hx, 1/2in-13	
28	P24305	2	Bushing	
29	P24306	2	Grommet	
30	36288B	2	Support, Radiator	
31	65024D	1	Fan Shroud, Plastic (Supersedes 36207B)	
32	38470B	1	Fan Guard	

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FIGURE 2-11. THROTTLE GROUP ASSEMBLY (DEERE 4039T) (1044C-42,1044C-54,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 101 through 402; 644B-42 SN 101 through 124; 844C-42 SN 101 through 291; 1044C-42 SN 101 through 106; 1044C-54 SN 101 through 104; 6K-37 SN 101 through 215; 6K-42 SN 101 through 106; 8K-42 SN 101 through 171)



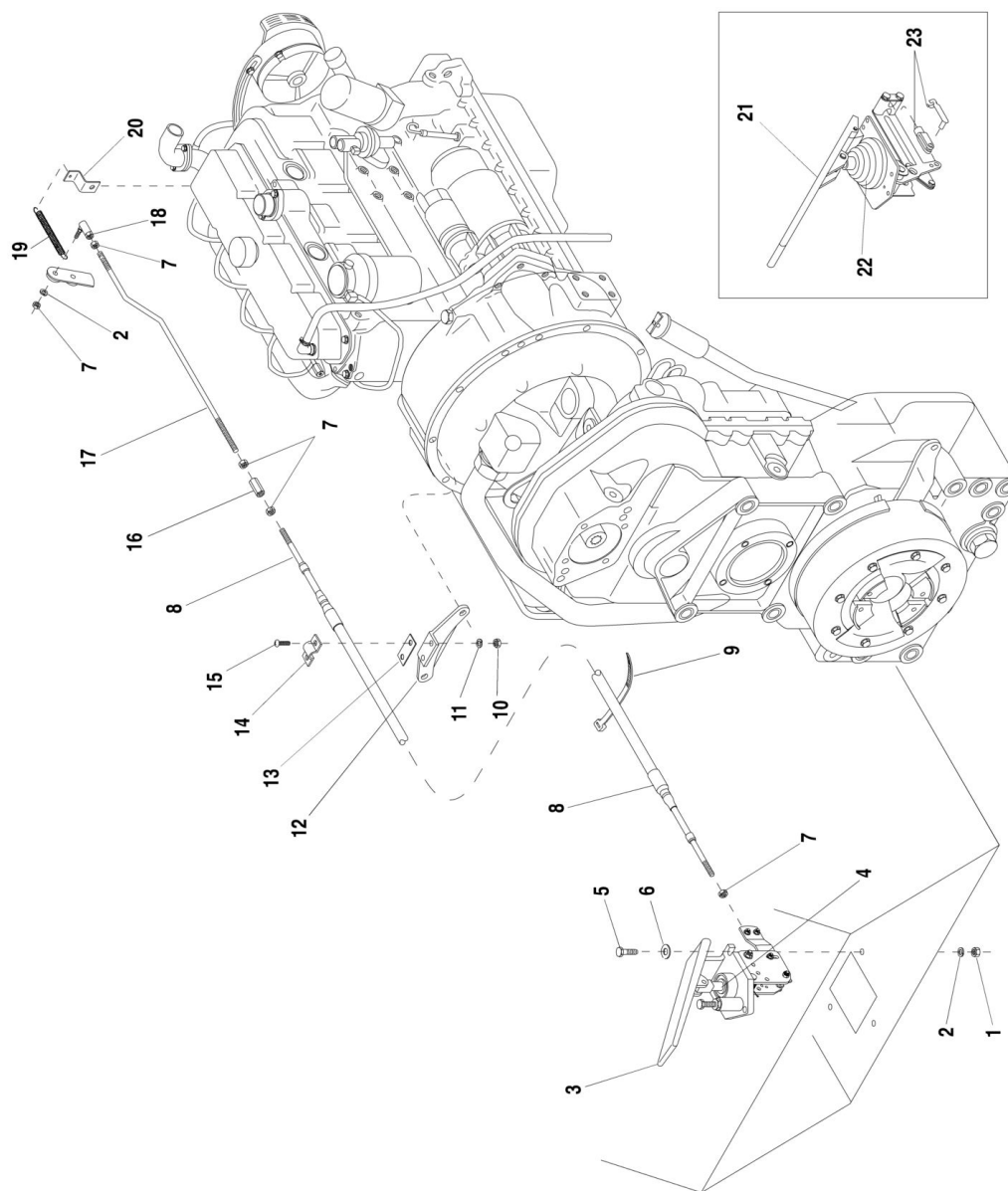
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FIGURE 2-11. THROTTLE GROUP ASSEMBLY (DEERE 4039T) (1044C-42,1044C-54,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 101 through 402; 644B-42 SN 101 through 124; 844C-42 SN 101 through 291; 1044C-42 SN 101 through 106; 1044C-54 SN 101 through 104; 6K-37 SN 101 through 215; 6K-42 SN 101 through 106; 8K-42 SN 101 through 171)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	16461A	1	Accelerator Pedal (Includes Item 2)	
2	P20069	1	Bellows	
3	P00006	3	Capscrew, Hx, 1/4in-20 x 1 1/4in	
4	P01402	2	Flatwasher, 1/4in	
5	P01504	2	Nut, Hx, #10-24	
6	P01306	2	Lockwasher, #10	
7	36423A	1	Bracket, Throttle Cable	
8	16401A	1	Shim, Cable Clamp	
9	14383A	1	Clamp, Cable	
10	P02057	2	Screw, Slotted Rd Hd, #10-24 x 3/4in	
11	16462A	1	Cable, Throttle	
12	P27815	1	Coupling, Nut	
13	P01529	3	Nut, Hx, 1/4in-28	
14	35419B	1	Extension Rod, Throttle	
15	P10505	1	Ball Joint, Rod End	
16	P21260	1	Spring	
17	17786A	1	Anchor, Spring	
18	P01308	3	Lockwasher, 1/4in	
19	P01506	3	Nut, Hx, 1/4in-20	
20	16466A	1	Boot Guard, Pedal	

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FIGURE 2-12. THROTTLE GROUP ASSEMBLY (DEERE 4039T) (1044C-42,1044C-54,10K-42,10K-54,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 403 to Present; 644B-42 SN 125 to Present; 844C-42 SN 292 to Present; 1044C-42 SN 107 to Present; 1044C-54 SN 105 to Present; 6K-37 SN 216 to Present; 6K-42 SN 107 to Present; 8K-42 SN 172 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)



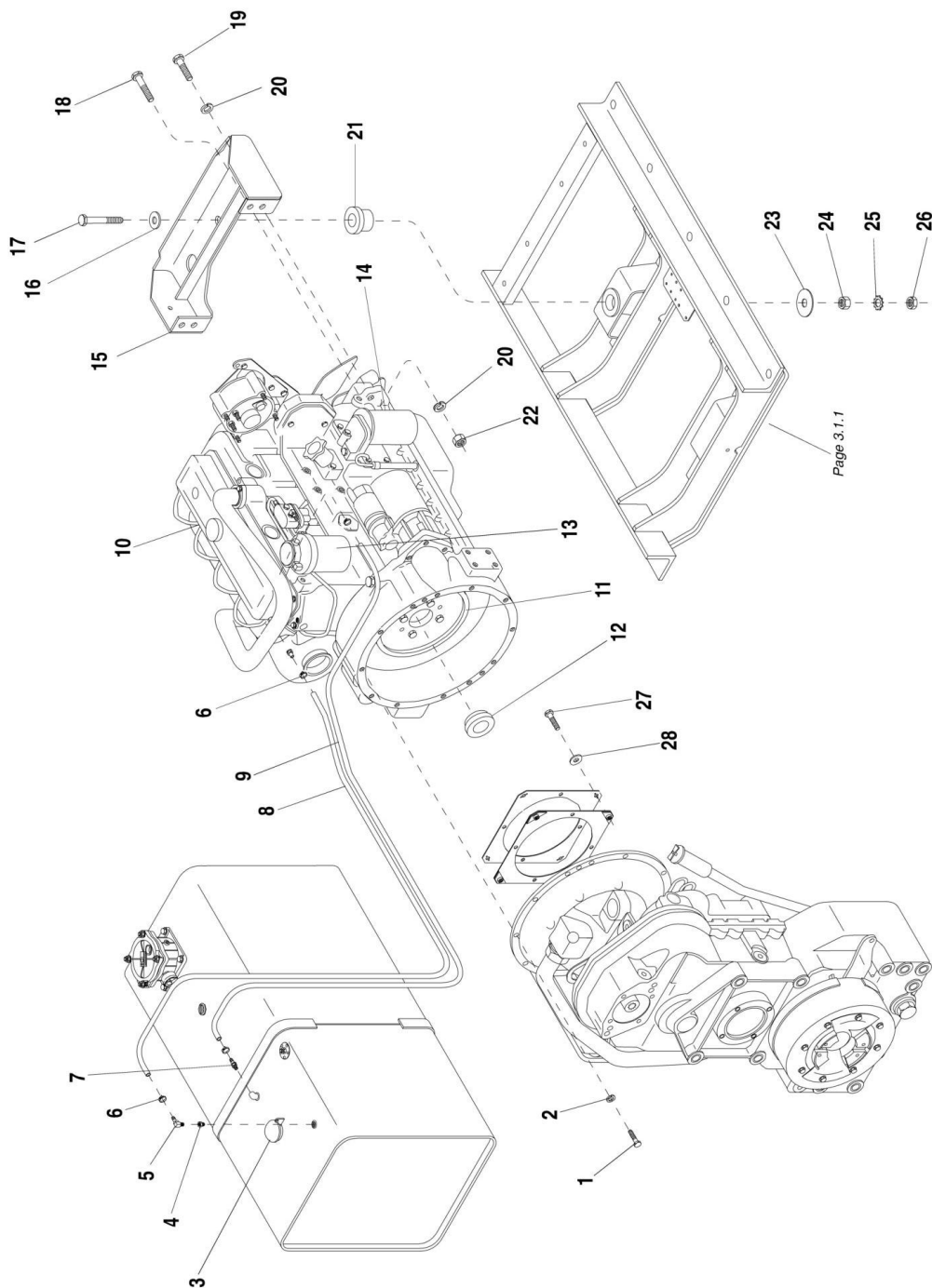
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FIGURE 2-12. THROTTLE GROUP ASSEMBLY (DEERE 4039T) (1044C-42,1044C-54,10K-42,10K-54,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 403 to Present; 644B-42 SN 125 to Present; 844C-42 SN 292 to Present; 1044C-42 SN 107 to Present; 1044C-54 SN 105 to Present; 6K-37 SN 216 to Present; 6K-42 SN 107 to Present; 8K-42 SN 172 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P01506	3	Nut, Hx, 1/4in-20	
2	P01308	4	Lockwasher, 1/4in	
3	16461A	1	Accelerator Pedal (Includes Item 4) (Replaces 37378X)	
4	P20069	1	Bellows	
5	P00003	3	Capscrew, Hx, 1/4in-20 x 3/4in	
6	P01402	3	Flatwasher, 1/4in	
7	P01529	5	Nut, Hx, 1/4in-28	
8	37379X	1	Cable, Throttle - 96in Long	
9	P20496	4	Cable Tie	
10	P01504	2	Nut, Hx, #10-24	
11	P01306	2	Lockwasher, #10	
12	36423A	1	Bracket, Throttle Cable	
13	16401A	1	Shim, Cable Clamp	
14	14383A	1	Clamp, Cable	
15	P02057	2	Screw, Slotted Rd Hd, #10-24 x 3/4in	
16	P27815	1	Coupling, Nut	
17	35419B	1	Extension Rod, Throttle	
18	38978A	1	Ball Joint, Rod End	
19	P21260	1	Spring	
20	17786A	1	Anchor, Spring	
21	N.L.A.		Accelerator Pedal (Note: Order Item 3 for a Replacement)	
22	37567X	1	Bellows	
23	38818A	1	Yoke end w/ Spring Pin	

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FIGURE 2-13. ENGINE MOUNTING AND FUEL LINES (DEERE 4045T 100 HP)



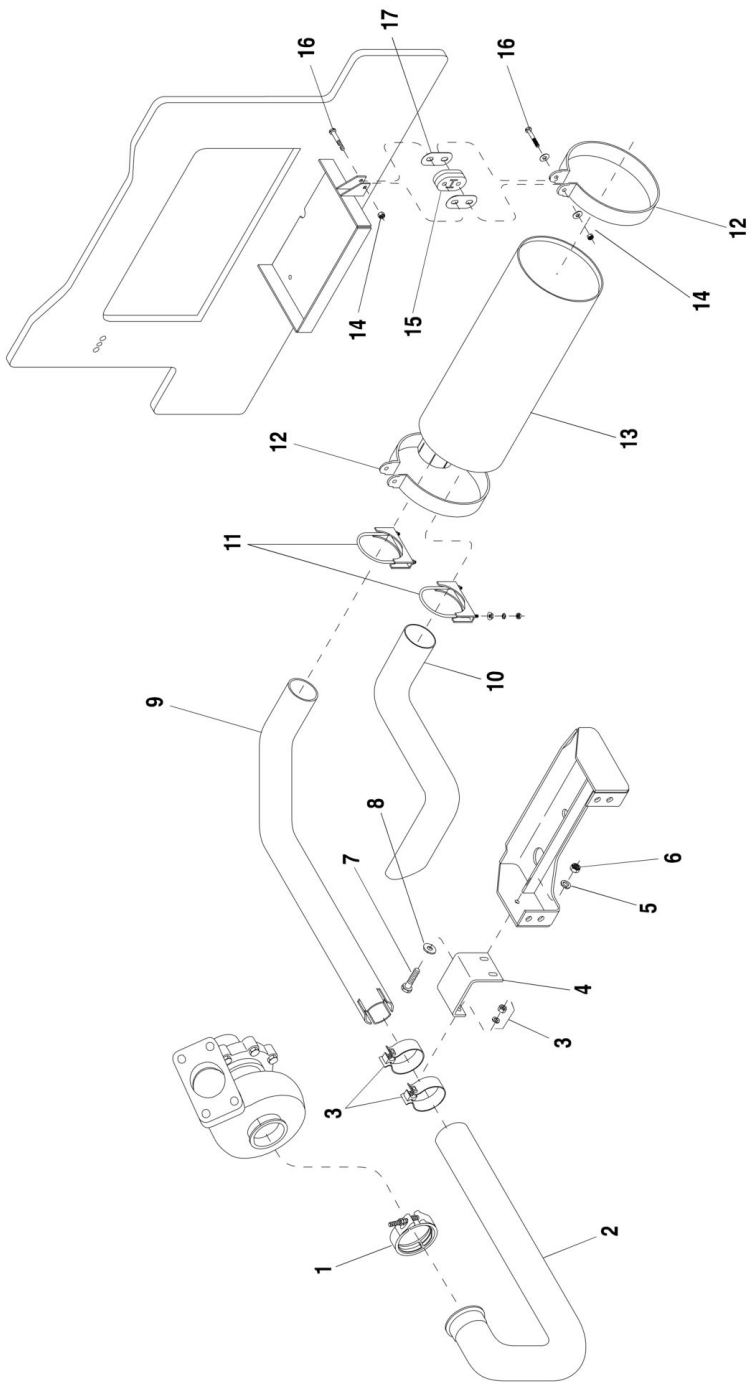
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FIGURE 2-13. ENGINE MOUNTING AND FUEL LINES (DEERE 4045T 100 HP)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P00205	11	Capscrew, Hx, 3/8in-16 x 1 1/4in	
1	P00204	1	Capscrew, Hx, 3/8in-16 x 1in	
2	P01310	12	Lockwasher, 3/8in	
3	P12182	Ref	Fuel Cap	
4	P10690	1	Reducer Bushing	
5	P21317	1	90, Elbow, Pipe to Hose	
6	P14047	4	Hose Clamp, Fuel Line	
7	37557X	1	Adapter, Pipe to Hose (Replaces P13619)	
8	N12346	1	Hose, Fuel Return - 1/4in I.D.	
9	N11437	1	Hose, Fuel Supply - 5/16in I.D.	
10	N.S.S.	1	Engine, 4 Cyl Diesel - Deere Turbo	
11	37563X	Ref	Flywheel (Includes Ring Gear and Item 12) (Replaces 35048B)	
12	37566X	Ref	Centering Sleeve	
13	37056X	Ref	Fuel Filter, Engine	
14	91404005	REF	Oil Filter Element, Engine	
15	65156B	1	Mounting Bracket, Engine	
16	P01408	1	Flatwasher, 5/8in	
17	P00690	1	Capscrew, Hx, 5/8in-18 x 3 3/4in GR8	
18	P00607	2	Capscrew, Hx, 5/8in-11 x 2 3/4in	
19	P00602	2	Capscrew, Hx, 5/8in-11 x 1 1/2in	
20	P01314	4	Lockwasher, 5/8in	
21	P18181	1	Rubber Mount, Engine	
22	P01512	2	Nut Hx, 5/8in-11	
23	15618A	1	Snubbing Washer	
24	P01535	1	Nut, Hx, 5/8in-18	
25	P01363	1	Starwasher, 5/8in	
26	P01585	1	Jam Nut, Hx, 5/8in-18	
27	P04181	4	Capscrew, Hx, M10-1.5 x 40mm C10.9	
28	P04631	4	Flatwasher, M10	
	66030C	1	Engine Block Heater Kit, 1000 Watts (optional)	
Ref	66565B	-	Engine Oil Drain Valve (Optional)	

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FIGURE 2-14. EXHAUST ASSEMBLY (DEERE 4045T 100 HP)



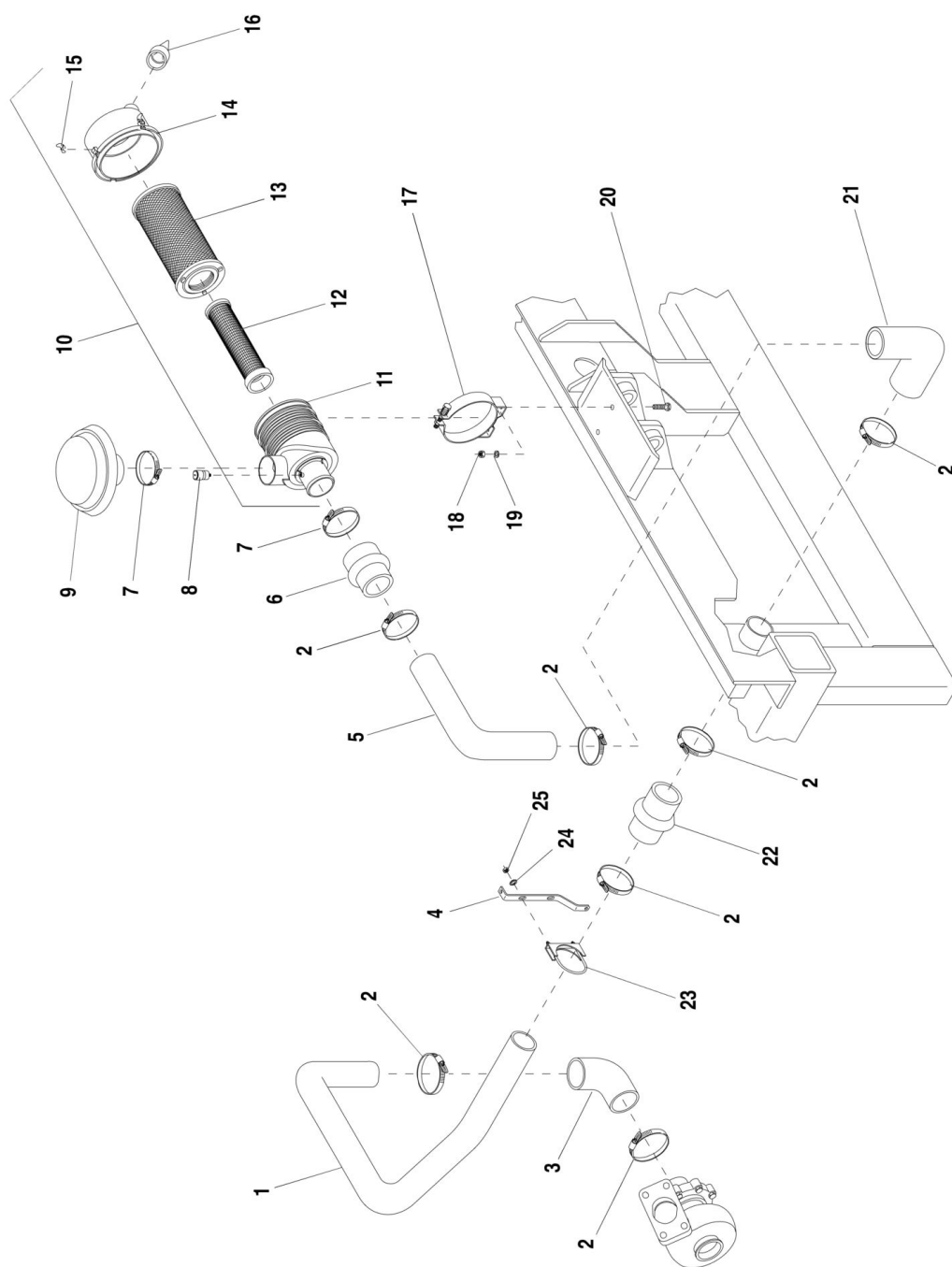
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FIGURE 2-14. EXHAUST ASSEMBLY (DEERE 4045T 100 HP)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	37750X	1	Clamp, Exhaust Pipe	
2	65161A	1	Pipe, Exhaust Manifold	
3	37475X	2	Seal Clamp, Exhaust (Supersedes P33144)	
4	36405A	1	Bracket, Exhaust Clamp	
5	P01310	4	Lockwasher, 3/8in	
6	P01508	4	Nut Hx, 3/8in-16	
7	P00205	2	Capscrew, Hx, 3/8in-16 x 1 1/4in	
8	P01404	2	Flatwasher, 3/8in	
9	36402A	1	Pipe, Exhaust	
10	36412A	1	Pipe, Tail	
11	P17169	2	Muffler Clamp	
12	39876A	2	Mounting Ring, Muffler (Includes 1 each of Items 14 & 15)	
13	P32697	1	Muffler	
14	P01680	4	Locknut, Hx, 5/16in-24	
15	P32982	2	Exhaust Hanger, Rubber	
16	P00158	4	Capscrew, Hx, 5/16in-24 x 2in	
17	39922A	4	Link, Hanger Support	

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FIGURE 2-15. AIR CLEANER ASSEMBLY (DEERE 4045T 100 HP)



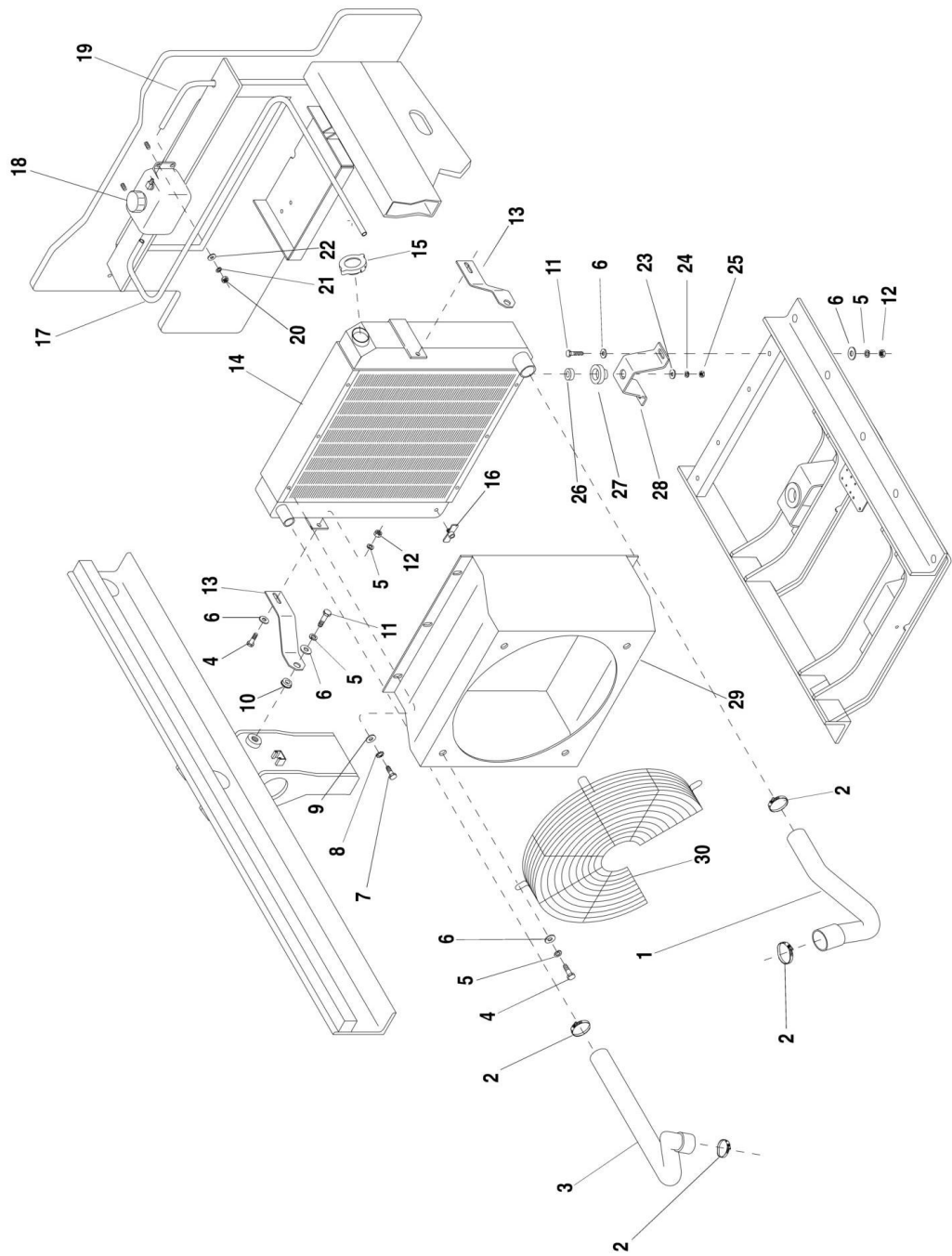
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FIGURE 2-15. AIR CLEANER ASSEMBLY (DEERE 4045T 100 HP)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	65259B	1	Tube, Intake to Frame	
2	P10553	7	Hose Clamp, #48	
3	P31594	1	Elbow, Intake	
4	65262A	1	Support Bracket, Intake Tube	
5	36399B	1	Tube, Frame to Air Cleaner	
6	P33143	1	Hump Reducer	
7	P19267	2	Hose Clamp, #64	
8	P21485	1	Service Indicator (Includes Fitting)	
9	P33146	1	Hood, Air Inlet	
10	P33141	1	Air Cleaner (Includes Items 11-16)	
11	N.S.S.	1	Body	
12	P33181	1	Filter Element, Safety	
13	P33180	1	Filter Element, Primary	
14	P33182	1	Cover	
15	P33184	3	Latch	
16	P33183	1	Vacuator Valve	
17	P33142	1	Mounting Band	
18	P01507	2	Nut, Hx, 5/16in-18	
19	P01309	2	Lockwasher 5/16in	
20	P00102	2	Capscrew, Hx, 5/16in-18 x 3/4in	
21	P20854	1	90, Elbow, Rubber	
22	36982X	1	Hump Adapter	
23	P17169	1	Clamp, Intake Tube	
24	P01359	2	Starwasher, 3/8in External	
25	P01558	2	Jam, Nut, Hx, 3/8in-16	
		Ref	N.S.S. = Not Sold Separately	

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FIGURE 2-16. RADIATOR GROUP ASSEMBLY (DEERE 4045T 100 HP)



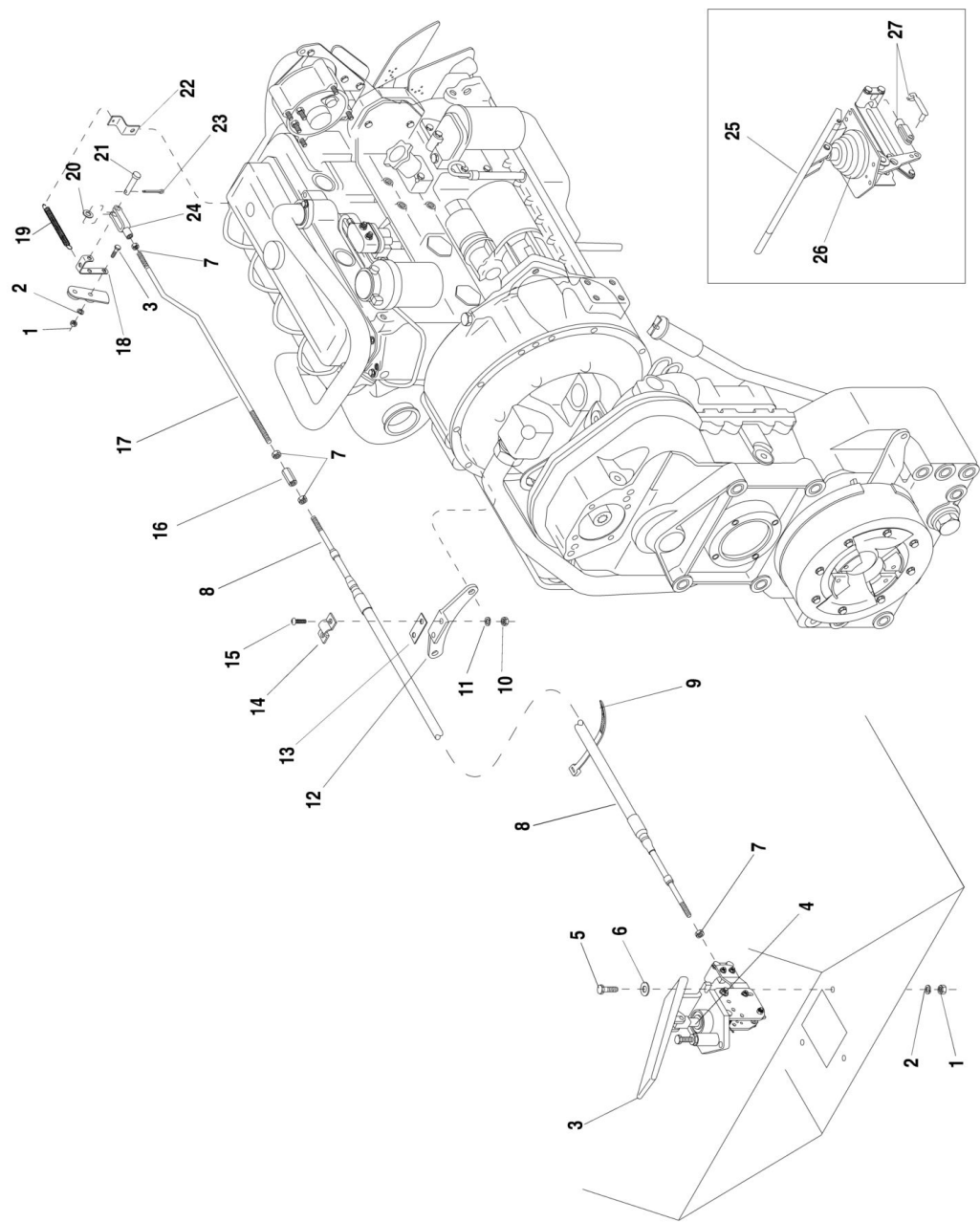
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FIGURE 2-16. RADIATOR GROUP ASSEMBLY (DEERE 4045T 100 HP)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	39500B	1	Radiator Hose, Lower	
2	P10601	4	Hose Clamp	
3	39499B	1	Radiator Hose, Upper	
4	P00202	6	Capscrew, Hx, 3/8in-16 x 3/4in	
5	P01310	12	Lockwasher, 3/8in	
6	P01404	16	Flatwasher, 3/8in	
7	P00102	6	Capscrew, Hx, 5/16in-18 x 3/4in	
8	P01358	6	Starwasher, 5/16in	
9	P01403	6	Flatwasher, 5/16in	
10	15845B	2	Rubber Grommet	
11	P00204	6	Capscrew, Hx, 3/8in-16 x 1in	
12	P01508	6	Nut, Hx, 3/8in-16	
13	65160A	1	Support Bracket	
14	39460C	1	Radiator, Crossflow (Includes Items 15, 16 & 17)	
15	37768X	1	Cap, Radiator	
16	P16675	1	Drain Cock	
17	N12347	1	Hose, Recovery Tank	
18	36491B	1	Recovery Tank, Coolant	
19	N12348	1	Hose, Drain	
20	P01506	2	Nut, Hx, 1/4in-20	
21	P01308	2	Lockwasher, 1/4in	
22	P01402	2	Flatwasher, 1/4in	
23	P01406	2	Flatwasher, 1/2in	
24	P01312	2	Lockwasher, 1/2in	
25	P01510	2	Nut, Hx, 1/2in-13	
26	P24305	2	Bushing	
27	P24306	2	Grommet	
28	65701B	2	Support, Radiator	
29	65024D	1	Fan Shroud, Plastic (Supersedes 36207B)	
30	38470B	1	Fan Guard	

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FIGURE 2-17. THROTTLE GROUP ASSEMBLY (DEERE 4045T 100 HP)



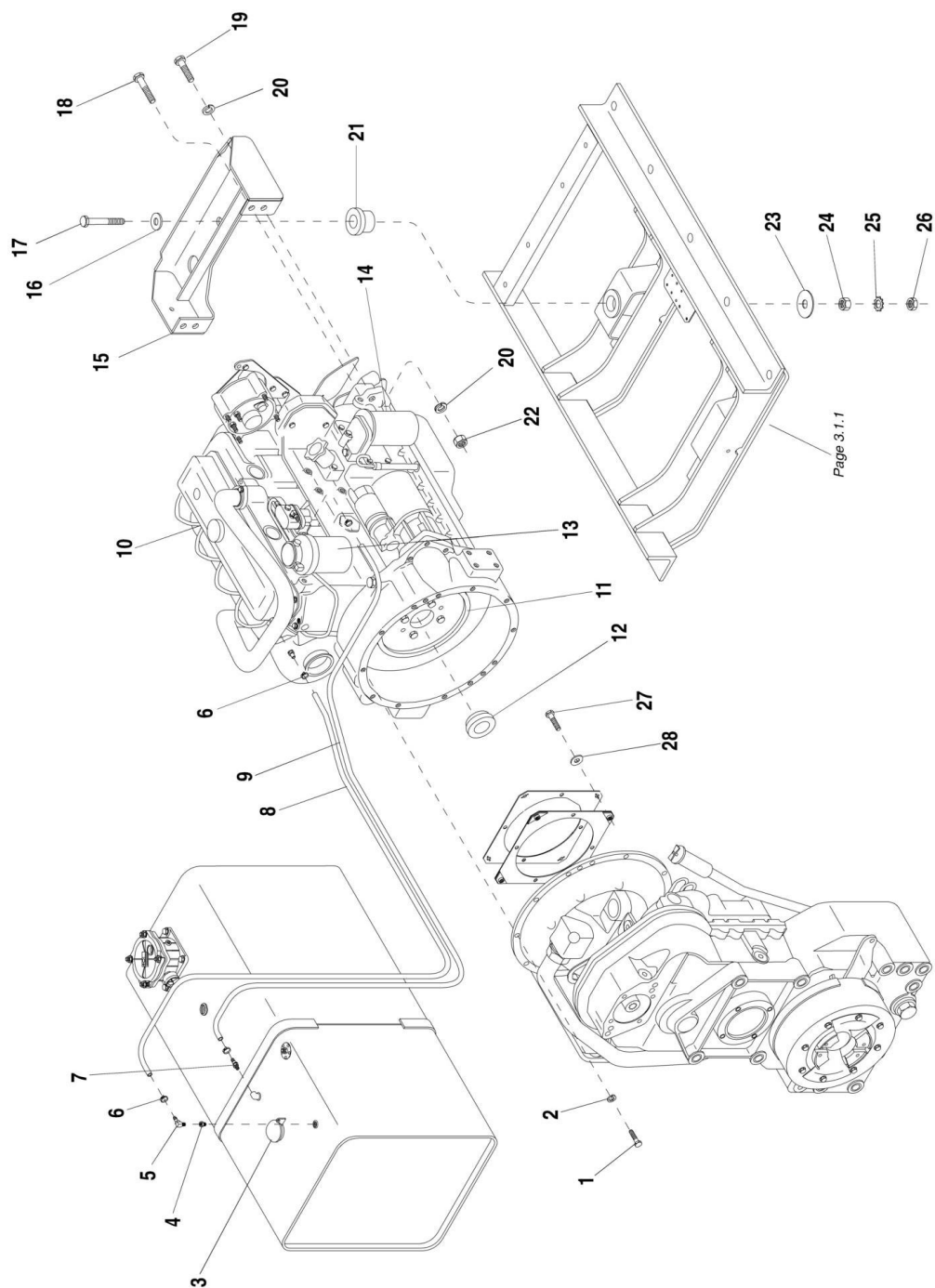
SECTION 2 - POWER PLANT

FIGURE 2-17. THROTTLE GROUP ASSEMBLY (DEERE 4045T 100 HP)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P01506	3	Nut, Hx, 1/4in-20	
2	P01308	4	Lockwasher, 1/4in	
3	16461A	1	Accelerator Pedal (Includes Item 4) (Replaces 37378X)	
4	P20069	1	Bellows	
5	P00003	3	Capscrew, Hx, 1/4in-20 x 3/4in	
6	P01402	3	Flatwasher, 1/4in	
7	P01529	5	Nut, Hx, 1/4in-28	
8	37379X	1	Cable, Throttle - 96in Long	
9	P20496	4	Cable Tie	
10	P01504	2	Nut, Hx, #10-24	
11	P01306	2	Lockwasher, #10	
12	36423A	1	Bracket, Throttle Cable	
13	16401A	1	Shim, Cable Clamp	
14	14383A	1	Clamp, Cable	
15	P02057	2	Screw, Slotted Rd Hd, #10-24 x 3/4in	
16	P27815	1	Coupling, Nut	
17	65913B	1	Extension Rod, Throttle	
18	65917A	1	Extension Lever, Throttle	
19	P21260	1	Spring	
20	65906A	1	Spacer	
21	P01512	1	Pin, Clevis	
22	17786A	1	Anchor, Spring	
23	P03810	1	Cotter Pin, 1/16in x 1in	
24	P10508	1	Clevis	
25	N.L.A.	1	Accelerator Pedal (Note: Order Item 3 for a Replacement)	
26	37567X	1	Bellows	
27	38818A	1	Yoke end w/ Spring Pin	

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FIGURE 2-18. ENGINE MOUNTING AND FUEL LINES (DEERE 4045T 115 HP)



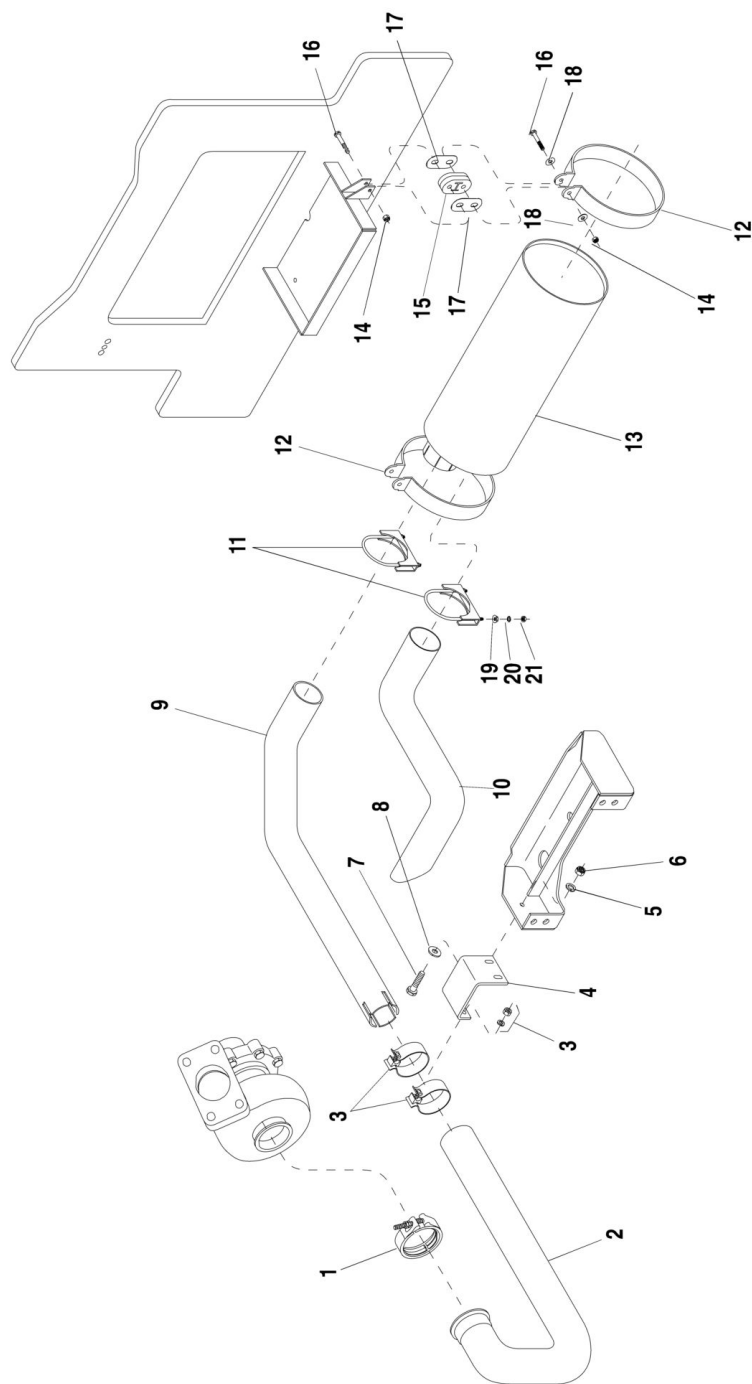
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FIGURE 2-18. ENGINE MOUNTING AND FUEL LINES (DEERE 4045T 115 HP)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P00205	11	Capscrew, Hx, 3/8in-16 x 1 1/4in	
1	P00204	1	Capscrew, Hx, 3/8in-16 x 1in	
2	P01310	12	Lockwasher, 3/8in	
3	P12182	Ref	Fuel Cap	
4	P10690	1	Reducer Bushing	
5	P21317	1	90, Elbow, Pipe to Hose	
6	P14047	4	Hose Clamp, Fuel Line	
7	37557X	1	Adapter, Pipe to Hose (Replaces P13619)	
8	N12346	1	Hose, Fuel Return - 1/4in I.D.	
9	N11437	1	Hose, Fuel Supply - 5/16in I.D.	
10	N.S.S.	1	Engine, 4 Cyl Diesel - Deere Turbo	
11	37563X	Ref	Flywheel (Includes Ring Gear and Item 12) (Replaces 35048B)	
12	37566X	Ref	Centering Sleeve	
13	37056X	Ref	Fuel Filter, Engine	
14	91404005	Ref	Oil Filter Element, Engine	
15	65156B	1	Mounting Bracket, Engine	
16	P01408	1	Flatwasher, 5/8in	
17	P00690	1	Capscrew, Hx, 5/8in-18 x 3 3/4in GR 8	
18	P00607	2	Capscrew, Hx, 5/8in-11 x 2 3/4in	
19	P00602	2	Capscrew, Hx, 5/8in-11 x 1 1/2in	
20	P01314	4	Lockwasher, 5/8in	
21	P18181	1	Rubber Mount, Engine	
22	P01512	2	Nut Hx, 5/8in-11	
23	15618A	1	Snubbing Washer	
24	P01535	1	Nut, Hx, 5/8in-18	
25	P01363	1	Starwasher, 5/8in	
26	P01585	1	Jam Nut, Hx, 5/8in-18	
27	P04181	4	Capscrew, Hx, M10-1.5 x 40mm C10.9	
28	P04631	4	Flatwasher, M10	
Ref	66030C	1	Engine Block Heater Kit - 1000 Watts (Optional)	
Ref	66565B	-	Engine Drain Valve (Optional)	

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FIGURE 2-19. EXHAUST ASSEMBLY (DEERE 4045T 115 HP)



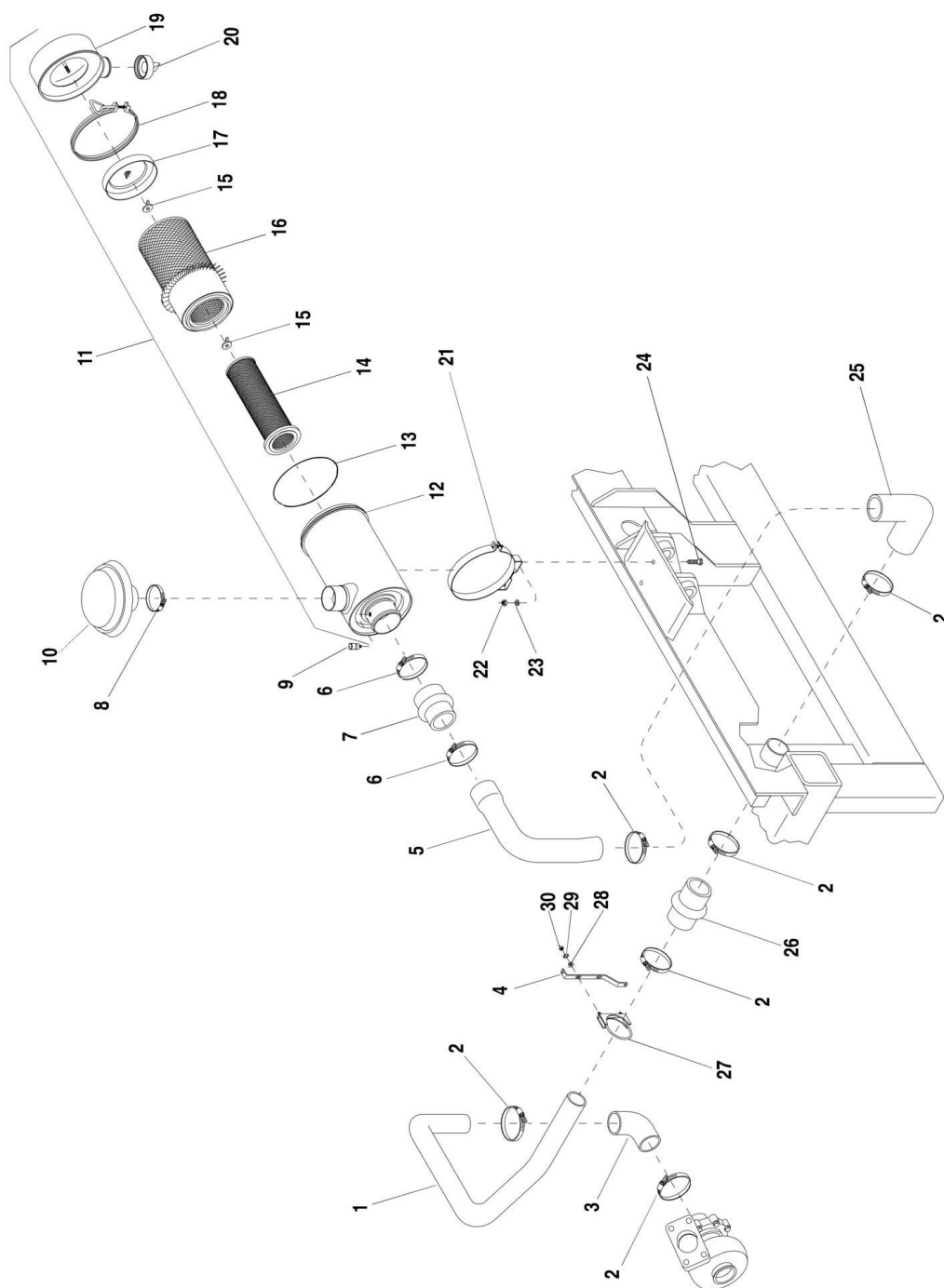
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FIGURE 2-19. EXHAUST ASSEMBLY (DEERE 4045T 115 HP)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	37750X	1	Clamp, Exhaust Pipe	
2	65161A	1	Pipe, Exhaust Manifold	
3	37475X	2	Seal Clamp, Exhaust (Supersedes P33144)	
4	36405A	1	Bracket, Exhaust Clamp	
5	P01310	4	Lockwasher, 3/8in	
6	P01508	4	Nut Hx, 3/8in-16	
7	P00205	2	Capscrew, Hx, 3/8in-16 x 1 1/4in	
8	P01404	2	Flatwasher, 3/8in	
9	36402A	1	Pipe, Exhaust	
10	36412A	1	Pipe, Tail	
11	P17169	2	Muffler Clamp	
12	39876A	2	Mounting Ring, Muffler (Includes 1 each of Items 14 & 15)	
13	P32697	1	Muffler	
14	P01680	4	Locknut, Hx, 5/16in-24	
15	P32982	2	Exhaust Hanger, Rubber	
16	P00158	4	Capscrew, Hx, 5/16in-24 x 2in	
17	39922A	4	Link, Hanger Support	
18	10701276	4	Washer, Flat, 5/16in Hardened	
19	10705108	4	Nut, flg, 3/8in-16	
20	10701359	4	Starwasher, Ext, 3/8in	
21	10701558	4	JamNut, Hx, 3/8in-16	

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FIGURE 2-20. AIR CLEANER ASSEMBLY (DEERE 4045T 115 HP)



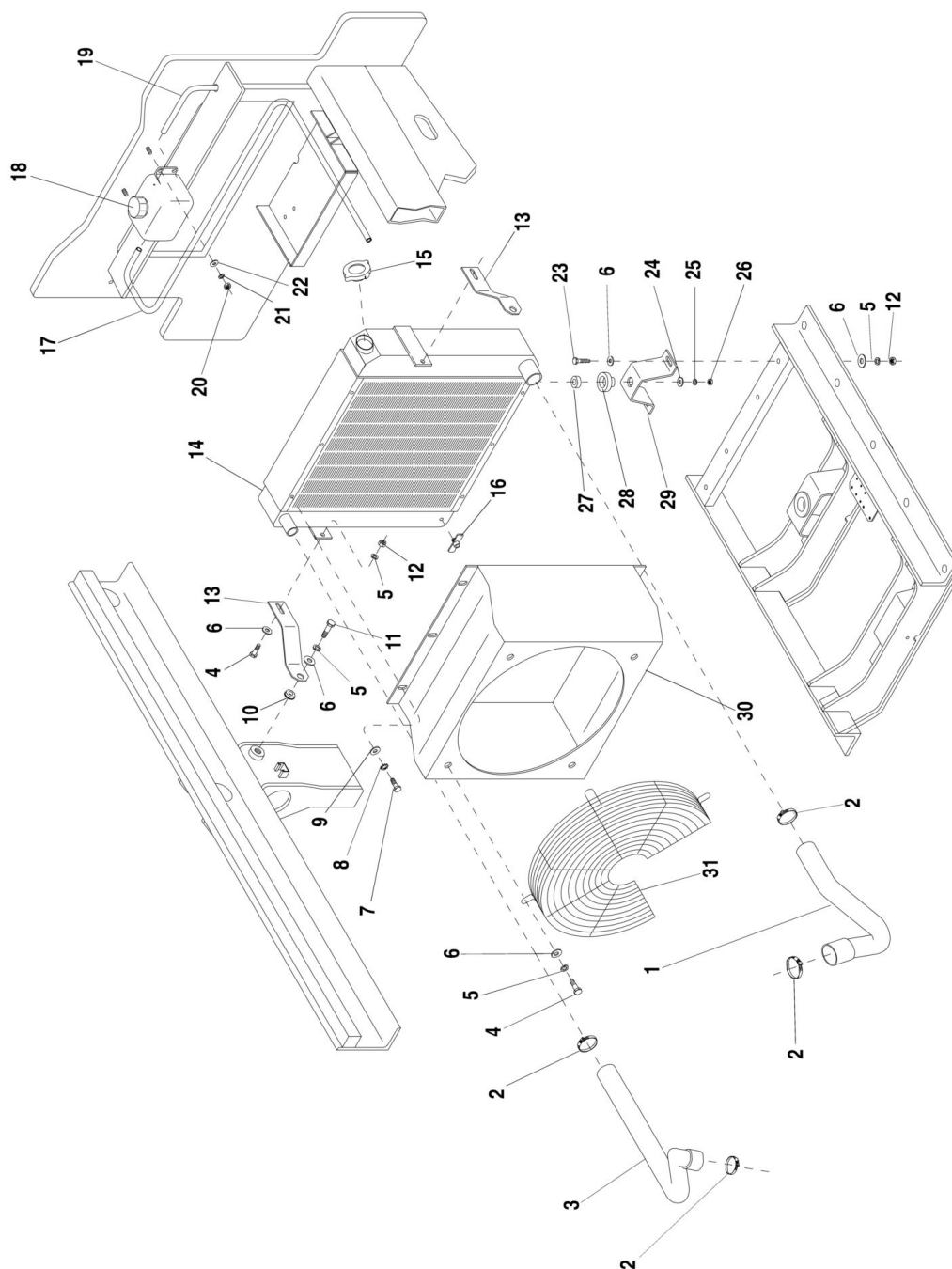
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FIGURE 2-20. AIR CLEANER ASSEMBLY (DEERE 4045T 115 HP)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	65259B	1	Tube, Intake to Frame	
2	P10553	6	Hose Clamp, #48	
3	P20854	1	Elbow, Intake	
4	65262A	1	Support Bracket, Intake Tube	
5	66180B	1	Tube, Frame to Air Cleaner	
6	10719267	2	Hose Clamp 4 1/2in	
7	66110X	1	Hump Reducer	
8	P19267	1	Hose Clamp, #64	
9	P21485	1	Service Indicator (Includes Fitting)	
10	66445X	1	Hood, Air Inlet	
11	66107X	1	Air Cleaner (Includes Items 11-18)	
12	N.S.S.	1	Body	
13	36795X	1	O-Ring	
14	36792X	1	Filter Element, Safety	
15	P40295	2	Wing Nut	
16	36791X	1	Filter Element, Primary	
17	P21433	1	Baffle Assembly	
18	36793X	1	Clamp Assembly	
19	36794X	1	Cover	
20	P40299	1	Vacuator Valve	
21	P19266	2	Mounting Band	
22	P01507	4	Nut, Hx, 5/16in-18	
23	P01309	4	Lockwasher 5/16in	
24	P00104	4	Capscrew, Hx, 5/16in-18 x 1in	
25	P27646	1	90, Elbow, Rubber	
26	36982X	1	Hump Adapter	
27	P17169	1	Clamp, Intake Tube	
28	10705108	4	Nut, flg, 3/8in-16	
29	P01359	2	Starwasher, 3/8in External	
30	P01558	2	Jam, Nut, Hx, 3/8in-16	
		Ref	N.S.S. = Not Sold Separately	

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FIGURE 2-21. RADIATOR GROUP ASSEMBLY (DEERE 4045T 115 HP)



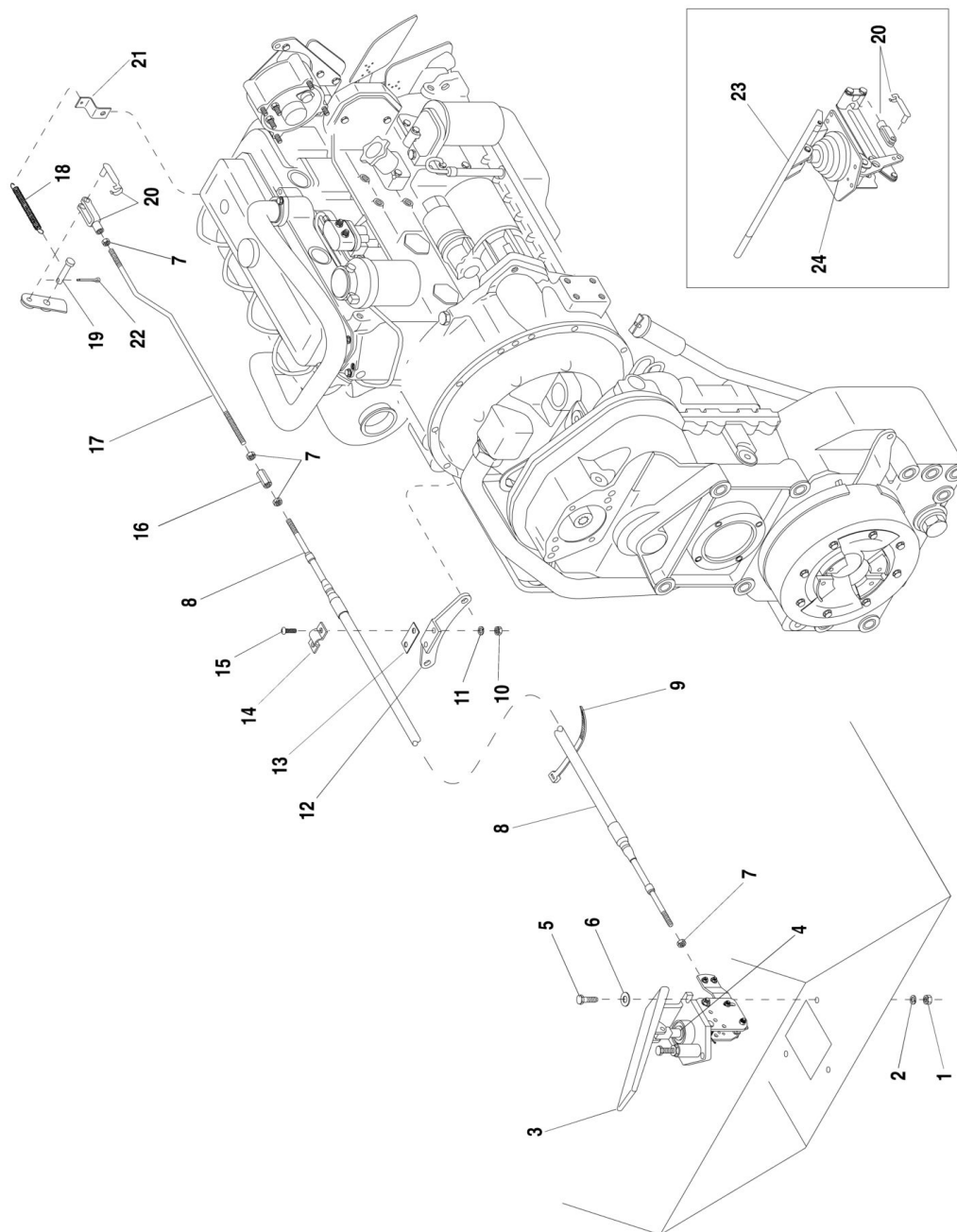
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FIGURE 2-21. RADIATOR GROUP ASSEMBLY (DEERE 4045T 115 HP)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	39500B	1	Radiator Hose, Lower	
2	P10601	4	Hose Clamp	
3	39499B	1	Radiator Hose, Upper	
4	P00202	6	Capscrew, Hx, 3/8in-16 x 3/4in	
5	P01310	12	Lockwasher, 3/8in	
6	P01404	14	Flatwasher, 3/8in	
7	P00102	6	Capscrew, Hx, 5/16in-18 x 3/4in	
8	P01358	6	Starwasher, 5/16in	
9	P01403	6	Flatwasher, 5/16in	
10	15845B	2	Rubber Grommet	
11	P00204	2	Capscrew, Hx, 3/8in-16 x 1in	
12	P01508	6	Nut, Hx, 3/8in-16	
13	65160A	1	Support Bracket	
14	39460C	1	Radiator, Crossflow (Includes Items 15, 16 & 17)	
15	37768X	1	Cap, Radiator	
16	P16675	1	Drain Cock	
17	N12347	1	Hose, Recovery Tank	
18	36491B	1	Recovery Tank, Coolant	
19	N12348	1	Hose, Drain	
20	P01506	2	Nut, Hx, 1/4in-20	
21	P01308	2	Lockwasher, 1/4in	
22	P01402	2	Flatwasher, 1/4in	
23	10700205	4	Capscrew, Hx, 3/8in-16 x 1 1/4in	
24	P01406	2	Flatwasher, 1/2in	
25	P01312	2	Lockwasher, 1/2in	
26	P01510	2	Nut, Hx, 1/2in-13	
27	P24305	2	Bushing	
28	P24306	2	Grommet	
29	65701B	2	Support, Radiator	
30	65024D	1	Fan Shroud, Plastic (Replaces 36207B)	
31	38470B	1	Fan Guard	

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FIGURE 2-22. THROTTLE GROUP ASSEMBLY (DEERE 4045T 115 HP) (1044C-42,1044C-54,10K-42,10K-54,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 101 through 1196; 644B-42 SN 101 through 333; 844C-42 SN 101 through 1165; 1044C-42 SN 101 through 126; 1044C-54 SN 101 through 288; 6K-37 SN 101 through 487; 6K-42 SN 101 through 176; 8K-42 SN 101 through 321; 10K-42 SN 101 through 110; 10K-54 SN 101 through 110)



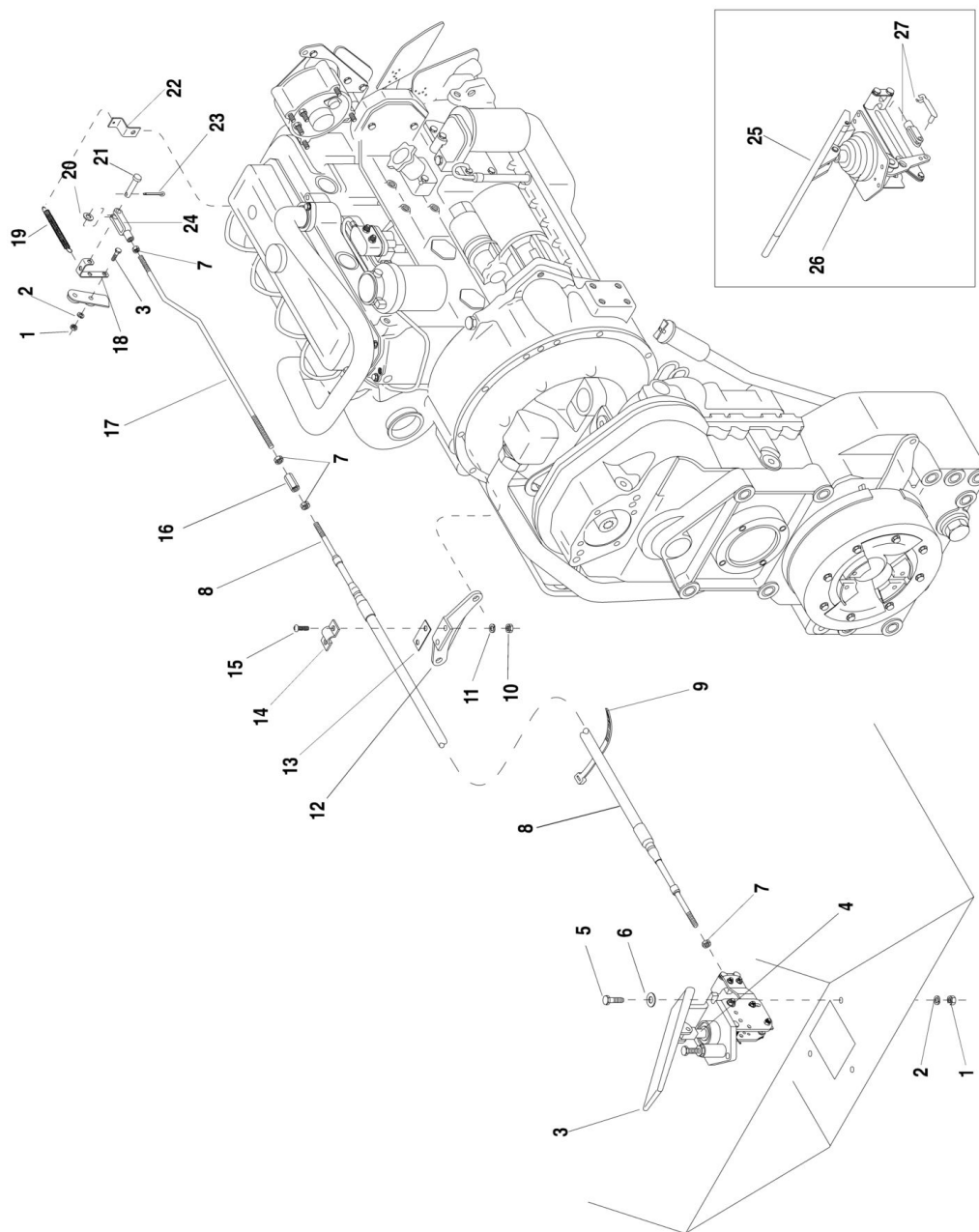
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FIGURE 2-22. THROTTLE GROUP ASSEMBLY (DEERE 4045T 115 HP) (1044C-42,1044C-54,10K-42,10K-54,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 101 through 1196; 644B-42 SN 101 through 333; 844C-42 SN 101 through 1165; 1044C-42 SN 101 through 126; 1044C-54 SN 101 through 288; 6K-37 SN 101 through 487; 6K-42 SN 101 through 176; 8K-42 SN 101 through 321; 10K-42 SN 101 through 110; 10K-54 SN 101 through 110)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P01506	3	Nut, Hx, 1/4in-20	
2	P01308	4	Lockwasher, 1/4in	
3	16146A	1	Accelerator Pedal (Includes Item 5) (Replaces 37378X)	
4	P20069	1	Bellows	
5	P00003	3	Capscrew, Hx, 1/4in-20 x 3/4in	
6	P01402	3	Flatwasher, 1/4in	
7	P01529	5	Nut, Hx, 1/4in-28	
8	37379X	1	Cable, Throttle - 96in Long	
9	P20496	4	Cable Tie	
10	P01504	2	Nut, Hx, #10-24	
11	P01306	2	Lockwasher, #10	
12	36423A	1	Bracket, Throttle Cable	
13	16401A	1	Shim, Cable Clamp	
14	14383A	1	Clamp, Cable	
15	P02057	2	Screw, Slotted Rd Hd, #10-24 x 3/4in	
16	P27815	1	Coupling, Nut	
17	35419B	1	Extension Rod, Throttle	
18	P21260	1	Spring	
19	P01512	1	Pin, Clevis	
20	38818A	1	Yoke end w/ Spring Pin	
21	17786A	1	Anchor, Spring	
22	P03810	1	Cotter Pin, 1/16in x 1in	
23	N.L.A.	1	Accelerator Pedal (Includes Item 5) (Note: Order Item 3 for a Replacement)	
24	37567X	1	Bellows	

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FIGURE 2-23. THROTTLE GROUP ASSEMBLY (DEERE 4045T 115 HP) (1044C-42,1044C-54,10K-42,10K-54,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 1197 to Present; 644B-42 SN 334 to Present; 844C-42 SN 1166 to Present; 1044C-42 SN 127 to Present; 1044C-54 SN 289 to Present; 6K-37 SN 488 to Present; 6K-42 SN 177 to Present; 8K-42 SN 322 to Present; 10K-42 SN 111 to Present; 10K-54 SN 111 to Present)



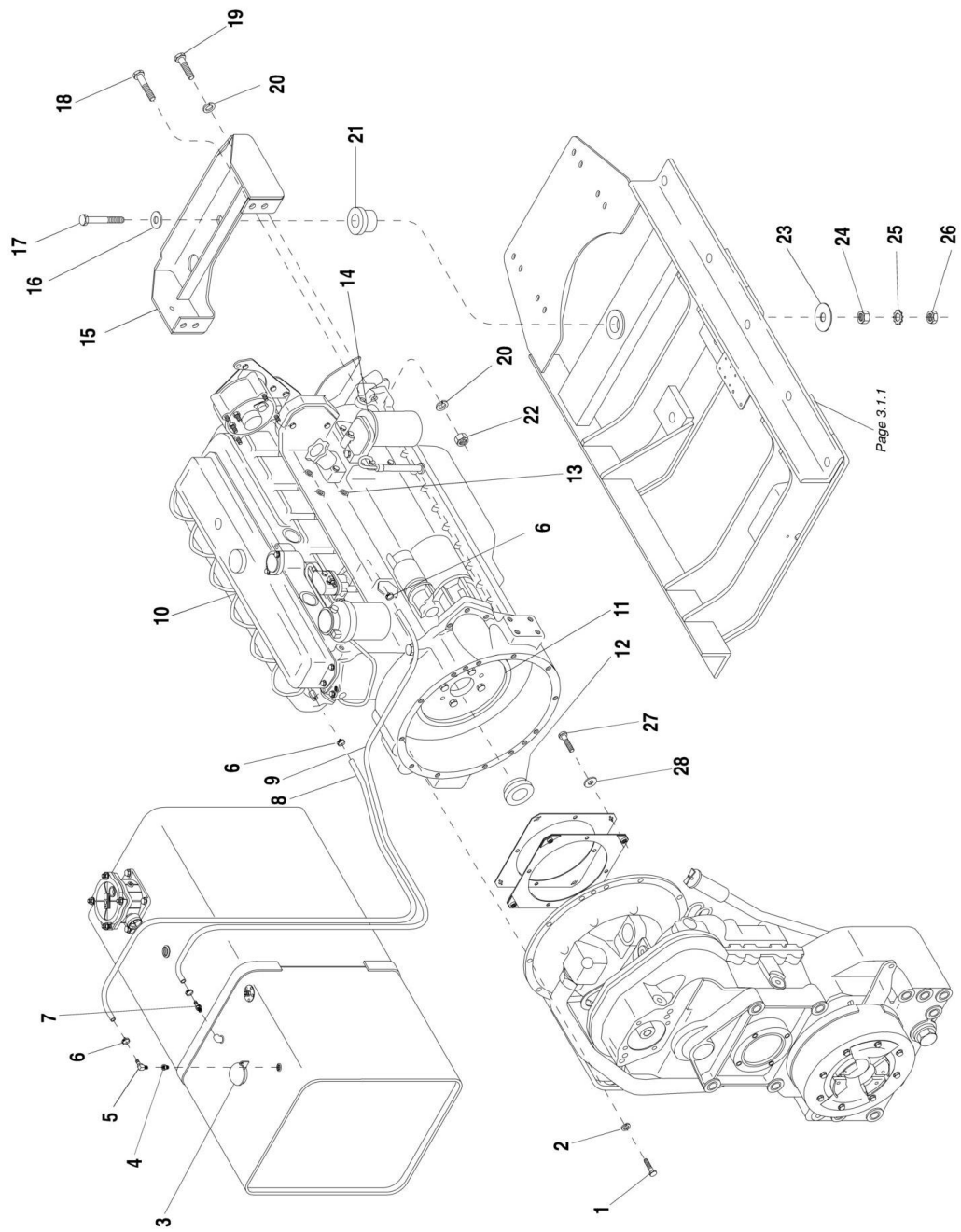
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FIGURE 2-23. THROTTLE GROUP ASSEMBLY (DEERE 4045T 115 HP) (1044C-42,1044C-54,10K-42,10K-54,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 1197 to Present; 644B-42 SN 334 to Present; 844C-42 SN 1166 to Present; 1044C-42 SN 127 to Present; 1044C-54 SN 289 to Present; 6K-37 SN 488 to Present; 6K-42 SN 177 to Present; 8K-42 SN 322 to Present; 10K-42 SN 111 to Present; 10K-54 SN 111 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P01506	3	Nut, Hx, 1/4in-20	
2	P01308	4	Lockwasher, 1/4in	
3	16461A	1	Accelerator Pedal (Includes Item 4) (Replaces 37378X)	
4	P20069	1	Bellows	
5	P00003	3	Capscrew, Hx, 1/4in-20 x 3/4in	
6	P01402	3	Flatwasher, 1/4in	
7	P01529	5	Nut, Hx, 1/4in-28	
8	37379X	1	Cable, Throttle - 96in Long	
9	P20496	4	Cable Tie	
10	P01504	2	Nut, Hx, #10-24	
11	P01306	2	Lockwasher, #10	
12	36423A	1	Bracket, Throttle Cable	
13	16401A	1	Shim, Cable Clamp	
14	14383A	1	Clamp, Cable	
15	P02057	2	Screw, Slotted Rd Hd, #10-24 x 3/4in	
16	P27815	1	Coupling, Nut	
17	65913B	1	Extension Rod, Throttle	
18	65917A	1	Extension Lever, Throttle	
19	P21260	1	Spring	
20	65906A	1	Spacer	
21	P01512	1	Pin, Clevis	
22	17786A	1	Anchor, Spring	
23	P03810	1	Cotter Pin, 1/16in x 1in	
24	P10508	1	Clevis	
25	N.L.A.	1	Accelerator Pedal (Includes Item 5) (Note: Order Item 3 for a Replacement)	
26	37567X	1	Bellows	
27	38818A	1	Yoke end w/ Spring Pin	

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FIGURE 2-24. ENGINE MOUNTING AND FUEL LINES (DEERE 6068D)



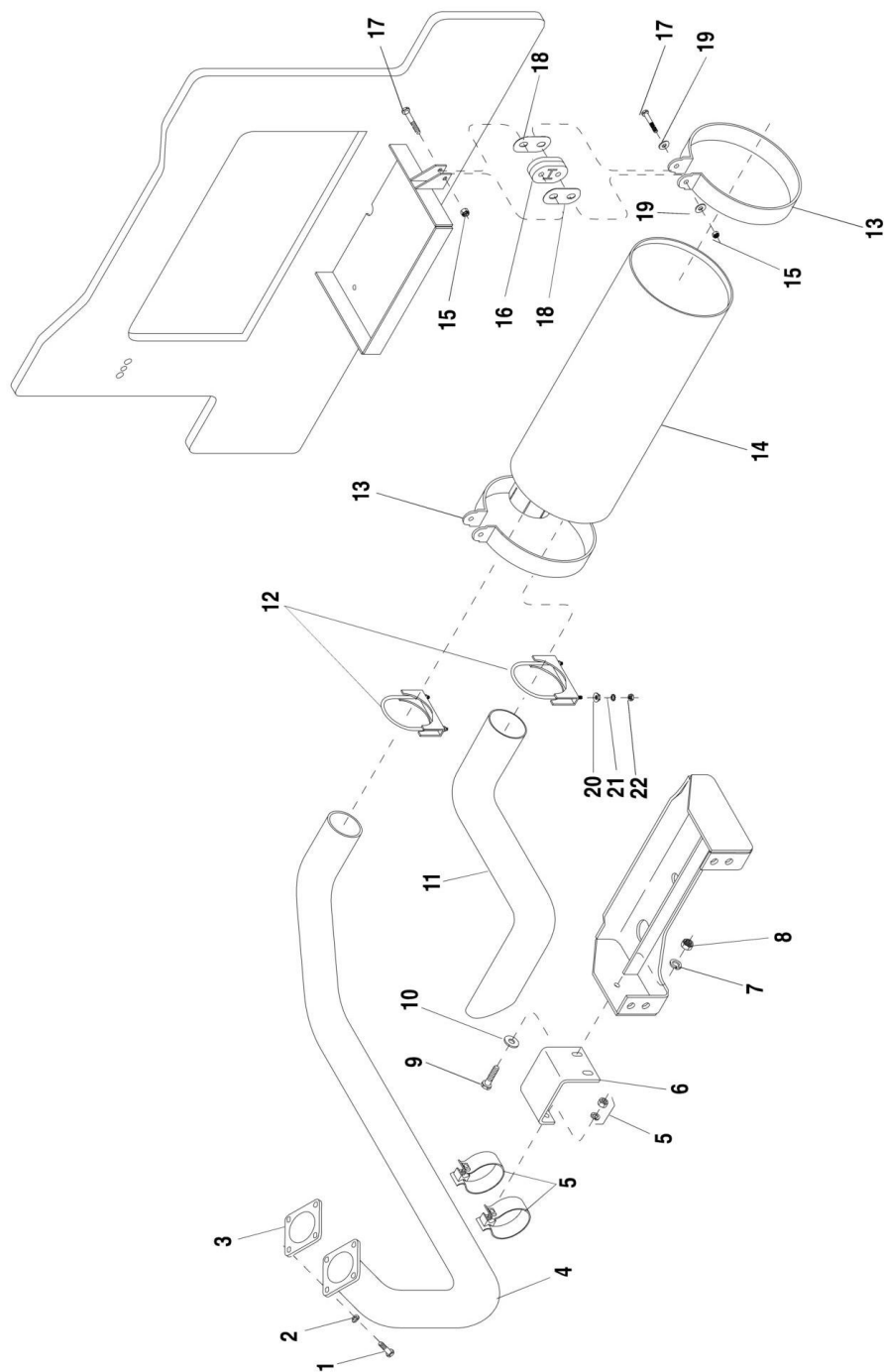
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FIGURE 2-24. ENGINE MOUNTING AND FUEL LINES (DEERE 6068D)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P00205	11	Capscrew, Hx, 3/8in-16 x 1 1/4in	
1	P00204	1	Capscrew, Hx, 3/8in-16 x 1in	
2	P01310	12	Lockwasher, 3/8in	
3	P12182	Ref	Fuel Cap	
4	P10690	1	Reducer Bushing	
5	P21317	1	90, Elbow, Pipe to Hose	
6	P14047	4	Hose Clamp, Fuel Line	
7	37557X	1	Adapter, Pipe to Hose (Replaces P13619)	
8	N12346	1	Hose, Fuel Return - 1/4in I.D.	
9	N11437	1	Hose, Fuel Supply - 5/16in I.D.	
10	N.S.S.	1	Engine, 6 Cyl Diesel - Deere Natural	
11	37563X	Ref	Flywheel (Includes Ring Gear and Item 12) (Replaces 35048B)	
12	37566X	Ref	Centering Sleeve	
13	37056X	Ref	Fuel Filter, Engine	
14	91404005	Ref	Oil Filter Element, Engine	
15	39548B	1	Mounting Bracket, Engine	
16	P01408	1	Flatwasher, 5/8in	
17	P00690	1	Capscrew, Hx, 5/8in-18 x 3 3/4in GR 8	
18	P00607	2	Capscrew, Hx, 5/8in-11 x 2 3/4in	
19	P00602	2	Capscrew, Hx, 5/8in-11 x 1 1/2in	
20	P01314	4	Lockwasher, 5/8in	
21	P18181	1	Rubber Mount, Engine	
22	P01512	2	Nut Hx, 5/8in-11	
23	15618A	1	Snubbing Washer	
24	P01535	1	Nut, Hx, 5/8in-18	
25	P01363	1	Starwasher, 5/8in	
26	P01585	1	Jam Nut, Hx, 5/8in-18	
27	P04181	4	Capscrew, Hx, M10-1.5 x 40mm C10.9	
28	P04631	4	Flatwasher, M10	
Ref	66030C	1	Engine Block Heater Kit - 1000 Watts (Optional)	

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FIGURE 2-25. EXHAUST ASSEMBLY (DEERE 6068D)



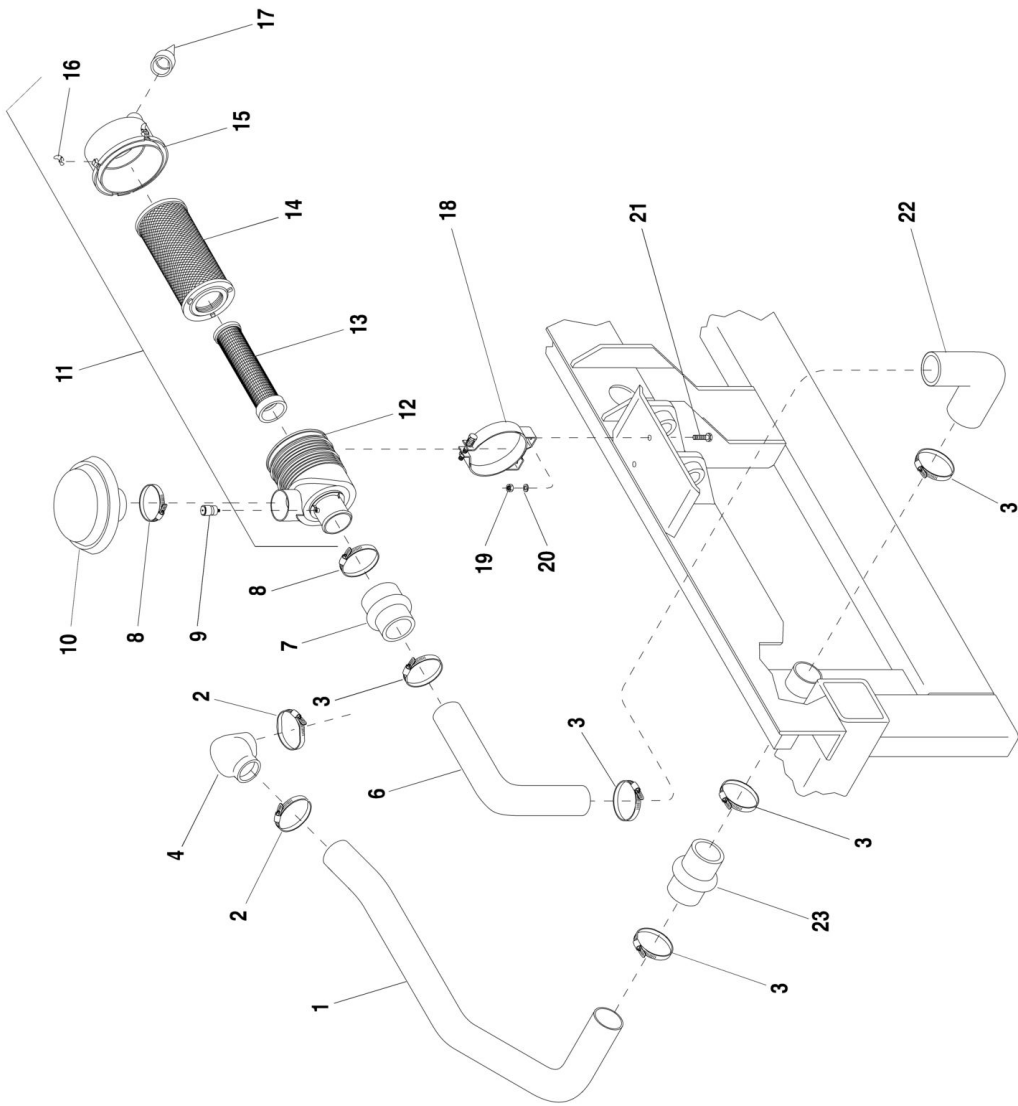
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FIGURE 2-25. EXHAUST ASSEMBLY (DEERE 6068D)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P04154	4	Capscrew, Hx, 10-1.5 x 30mm C8.8	
2	P04608	4	Lockwasher, M10	
3	37468X	1	Gasket, Exhaust Flange	
4	39445B	1	Pipe, Exhaust Manifold	
5	37475X	2	Seal Clamp, Exhaust (Supersedes P33144)	
6	36405A	1	Bracket, Exhaust Clamp	
7	P01310	4	Lockwasher, 3/8in	
8	P01508	4	Nut Hx, 3/8in-16	
9	P00205	2	Capscrew, Hx, 3/8in-16 x 1 1/4in	
10	P01404	2	Flatwasher, 3/8in	
11	36412A	1	Pipe, Tail	
12	P17169	2	Muffler Clamp	
13	39876A	2	Mounting Ring, Muffler (Includes 1 each of Items 14 & 15)	
14	P32697	1	Muffler	
15	P01680	4	Locknut, Hx, 5/16in-24	
16	P32982	2	Exhaust Hanger, Rubber	
17	P00158	4	Capscrew, Hx, 5/16in-24 x 2in	
18	39922A	4	Link, Hanger Support	
19	10701276	4	Washer, Flat, 5/16in Hardened	
20	10705108	4	Nut, flg, 3/8in-16	
21	10701359	4	Starwasher, Ext, 3/8in	
22	10701558	4	JamNut, Hx, 3/8in-16	

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FIGURE 2-26. AIR CLEANER ASSEMBLY (DEERE 6068D)



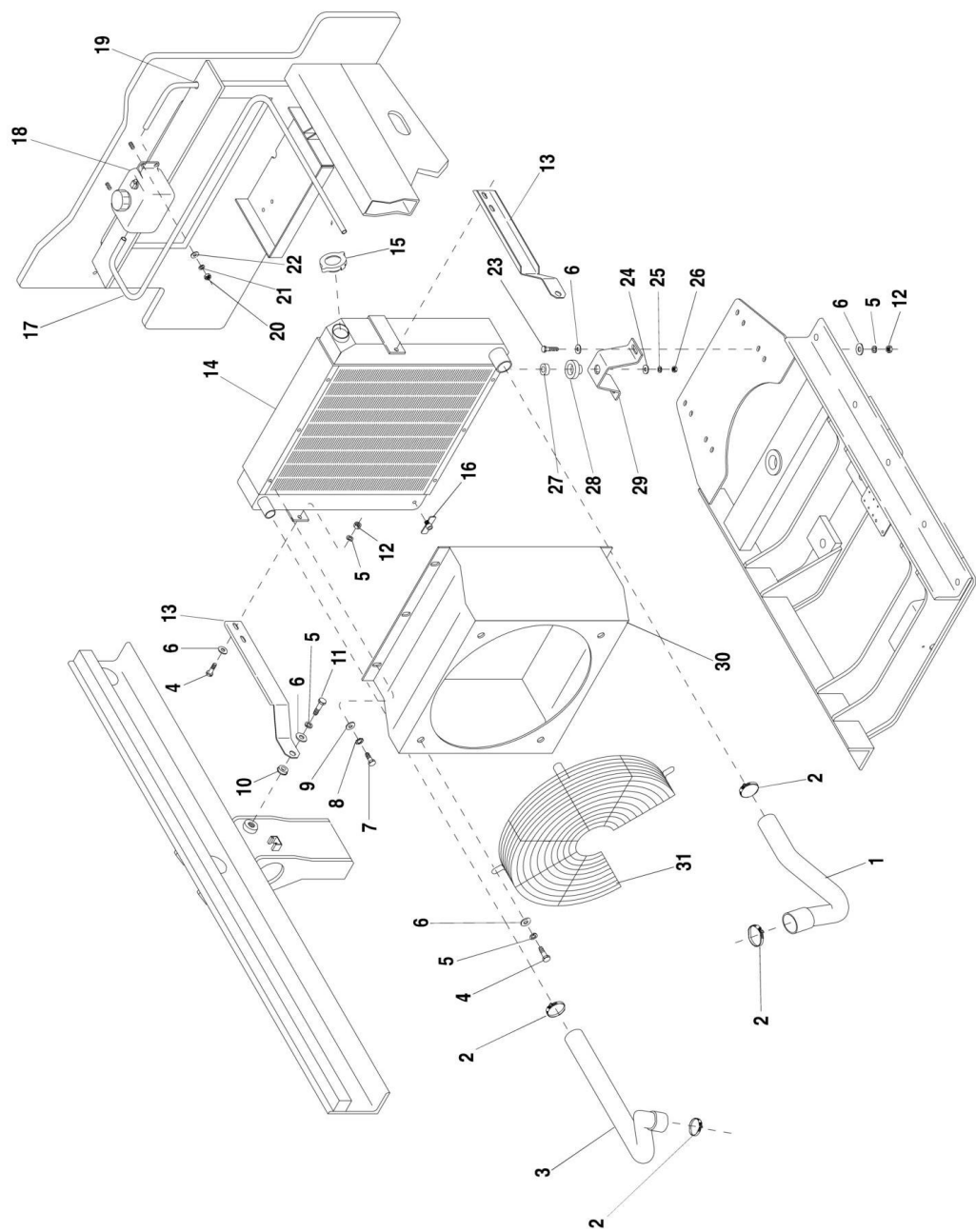
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FIGURE 2-26. AIR CLEANER ASSEMBLY (DEERE 6068D)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	39455B	1	Tube, Intake to Frame	
2	10710600	2	Hose Clamp, 2 1/2in	
3	P10553	5	Hose Clamp, #48	
4	37651X	1	Elbow, Intake	
5	38095A	1	Support Bracket, Intake Tube	
6	36399B	1	Tube, Frame to Air Cleaner	
7	P33143	1	Hump Reducer	
8	P19267	2	Hose Clamp, #64	
9	P21485	1	Service Indicator (Includes Fitting)	
10	P33146	1	Hood, Air Inlet	
11	P33141	1	Air Cleaner (Includes Items 11-16)	
12	N.S.S.	1	Body	
13	P33181	1	Filter Element, Safety	
14	P33180	1	Filter Element, Primary	
15	P33182	1	Cover	
16	P33184	3	Latch	
17	P33183	1	Vacuator Valve	
18	P33142	1	Mounting Band	
19	P01507	2	Nut, Hx, 5/16in-18	
20	P01309	2	Lockwasher 5/16in	
21	P00102	2	Capscrew, Hx, 5/16in-18 x 3/4in	
22	P20854	1	90, Elbow, Rubber	
23	P24313	1	Hump Adapter	
		Ref	N.S.S. = Not Sold Separately	

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FIGURE 2-27. RADIATOR GROUP ASSEMBLY (DEERE 6068D)



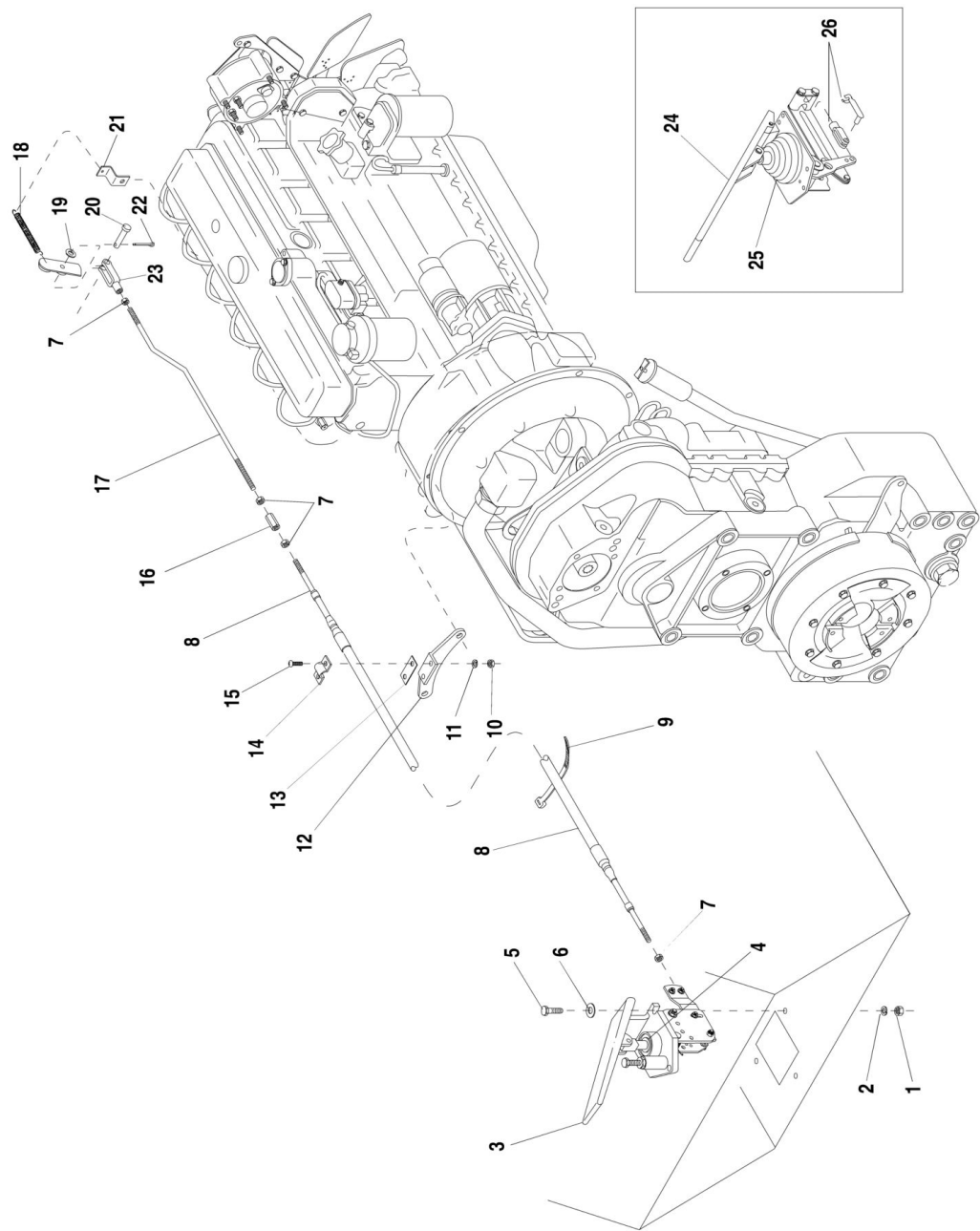
SECTION 2 - POWER PLANT

FIGURE 2-27. RADIATOR GROUP ASSEMBLY (DEERE 6068D)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	39500B	1	Radiator Hose, Lower	
2	P10601	4	Hose Clamp	
3	39499B	1	Radiator Hose, Upper	
4	P00202	6	Capscrew, Hx, 3/8in-16 x 3/4in	
5	P01310	12	Lockwasher, 3/8in	
6	P01404	14	Flatwasher, 3/8in	
7	P00102	6	Capscrew, Hx, 5/16in-18 x 3/4in	
8	P01358	6	Starwasher, 5/16in	
9	P01403	6	Flatwasher, 5/16in	
10	15845B	2	Rubber Grommet	
11	P00204	2	Capscrew, Hx, 3/8in-16 x 1in	
12	P01508	6	Nut, Hx, 3/8in-16	
13	39921B	1	Support Bracket	
14	39460C	1	Radiator, Crossflow (Includes Items 15, 16 & 17)	
15	37768X	1	Cap, Radiator	
16	P16675	1	Drain Cock	
17	N12347	1	Hose, Recovery Tank	
18	36491B	1	Recovery Tank, Coolant	
19	N12348	1	Hose, Drain	
20	P01506	2	Nut, Hx, 1/4in-20	
21	P01308	2	Lockwasher, 1/4in	
22	P01402	2	Flatwasher, 1/4in	
23	10700205	4	Capscrew, Hx, 3/8in-16 x 1 1/4in	
24	P01406	2	Flatwasher, 1/2in	
25	P01312	2	Lockwasher, 1/2in	
26	P01510	2	Nut, Hx, 1/2in-13	
27	P24305	2	Bushing	
28	P24306	2	Grommet	
29	65701B	2	Support, Radiator	
30	65024D	1	Fan Shroud, Plastic (Supersedes 36207B)	
31	38470B	1	Fan Guard	

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FIGURE 2-28. THROTTLE GROUP ASSEMBLY (DEERE 6068D)



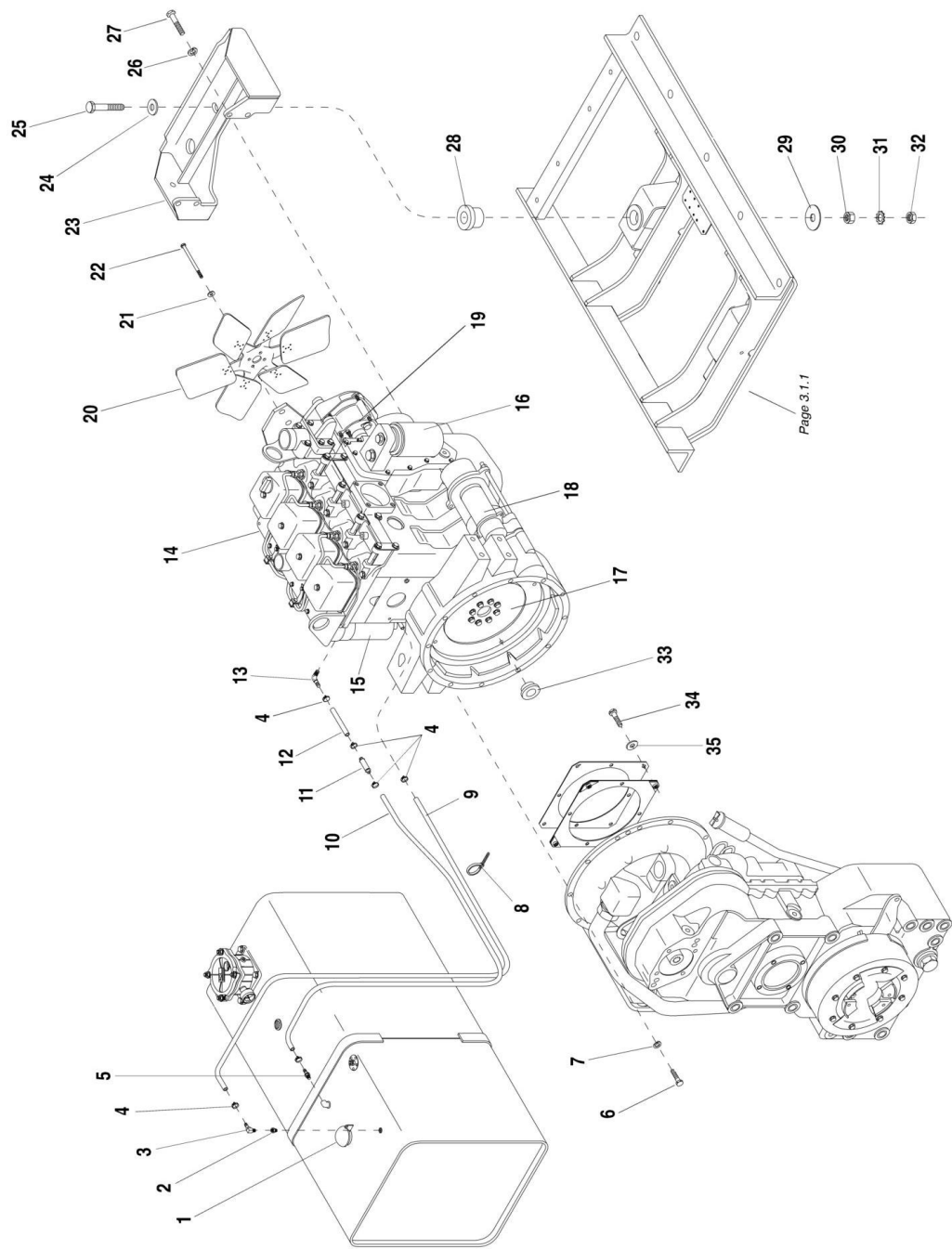
SECTION 2 - POWER PLANT

FIGURE 2-28. THROTTLE GROUP ASSEMBLY (DEERE 6068D)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P01506	3	Nut, Hx, 1/4in-20	
2	P01308	4	Lockwasher, 1/4in	
3	16461A	1	Accelerator Pedal (Includes Item 4) (Replaces 37378X)	
4	P20069	1	Bellows	
5	P00003	3	Capscrew, Hx, 1/4in-20 x 3/4in	
6	P01402		Flatwasher, 1/4in	
7	P01529	5	Nut, Hx, 1/4in-28	
8	373'79X	1	Cable, Throttle - 96in Long	
9	P20496	4	Cable Tie	
10	P01504	2	Nut, Hx, #10-24	
11	P01306	2	Lockwasher, #10	
12	36423A	1	Bracket, Throttle Cable	
13	16401A	1	Shim, Cable Clamp	
14	14383A	1	Clamp, Cable	
15	P02057	2	Screw, Slotted Rd Hd, #10-24 x 3/4in	
16	P27815	1	Coupling, Nut	
17	65913B	1	Extension Rod, Throttle	
18	P21260	1	Spring	
19	65906A	1	Spacer	
20	P01512	1	Pin, Clevis	
21	17786A	1	Anchor, Spring	
22	P03810	1	Cotter Pin, 1/16in x 1in	
23	P10508	1	Clevis	
24	N.L.A.	-	Accelerator Pedal (Note: Order Item 3 for Replacement)	
25	37567X	1	Bellows	
26	38818A	1	Yoke end w/ Spring Pin	

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FIGURE 2-29. ENGINE MOUNTING AND FUEL LINES (CUMMINS 4B3.9) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 101 through 1359; 644B-42 SN 101 through 399; 6K-37 SN 101 through 518; 6K-42 SN 101 through 180)



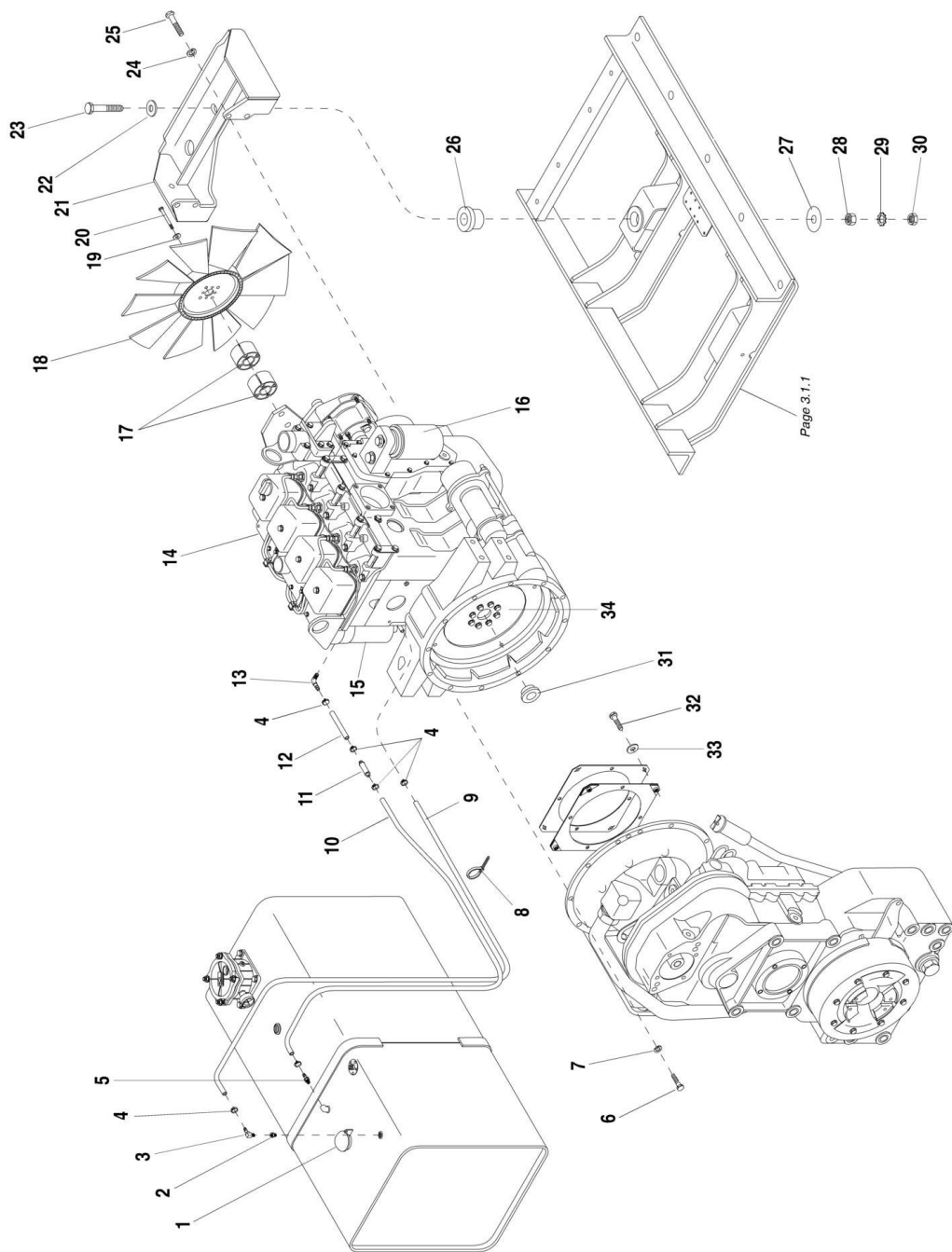
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FIGURE 2-29. ENGINE MOUNTING AND FUEL LINES (CUMMINS 4B3.9) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 101 through 1359; 644B-42 SN 101 through 399; 6K-37 SN 101 through 518; 6K-42 SN 101 through 180)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P12182	Ref	Fuel Cap	
2	P10690	1	Reducer Bushing	
3	P20830	1	90, Elbow, Pipe to Hose (Replaces P21317)	
4	P14047	6	Hose Clamp, Fuel Line	
5	37557X	1	Adapter, Pipe to Hose (Replaces P13619)	
6	P04155	9	Capscrew, Hx, M10-1.5 x 35mm	
6	P04154	3	Capscrew, Hx, M10-1.5 x 30mm	
7	P04608	12	Lockwasher, M10	
8	P17989	2	Cable Tie	
9	39353A	1	Hose, Return - 3/16in I.D. (Replaces N12346)	
10	N11437	1	Hose, Fuel Supply - 5/16in I.D.	
11	P32691	1	Fuel Filter, Inline	
12	N11441	1	Hose, Fuel	
13	P21236	1	90, Elbow, Pipe to Hose	
14	N.S.S.	1	Engine, 4 Cyl Diesel - Cummins Natural	
15	P31296	Ref	Fuel Filter, Primary	
16	P31295	Ref	Oil Filter, Engine	
17	P33140	Ref	Flywheel	
18	P32572	Ref	Starting Motor	
19	7029525	Ref	Alternator	
20	37114X	1	Fan Blade, Blower	
21	P04630	4	Flatwasher, M8	
22	P04118	4	Capscrew, Hx, M8-1.25 x 110mm	
23	38426B	1	Mounting Bracket, Engine (Replaces 38053B)	
24	P01408	1	Flatwasher, 5/8in	
25	P00690	1	Capscrew, Hx, 5/8in-18 x 3 3/4in	
26	P04609	4	Lockwasher, M12	
27	P04205	4	Capscrew, Hx, M12-1.75 x 40mm	
28	P18181	1	Rubber Mount, Engine	
29	15618A	1	Snubbing Washer	
30	P01535	1	Nut, Hx, 5/8in-18	
31	P01363	1	Starwasher, 5/8in	
32	P01585	1	Jam Nut, Hx, 5/8in-18	
33	35166A	1	Centering Sleeve	
34	P04874	4	Capscrew, Socket Hd, M10-1.5 x 40mm	
35	P32150	4	Flatwasher, M10 - Small O.D.	
Ref	P31320	1	Block Heater	

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FIGURE 2-30. ENGINE MOUNTING AND FUEL LINES (CUMMINS 4B3.9) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 1360 to Present; 644B-42 SN 400 to Present; 6K-37 SN 519 to Present; 6K-42 SN 181 to Present)



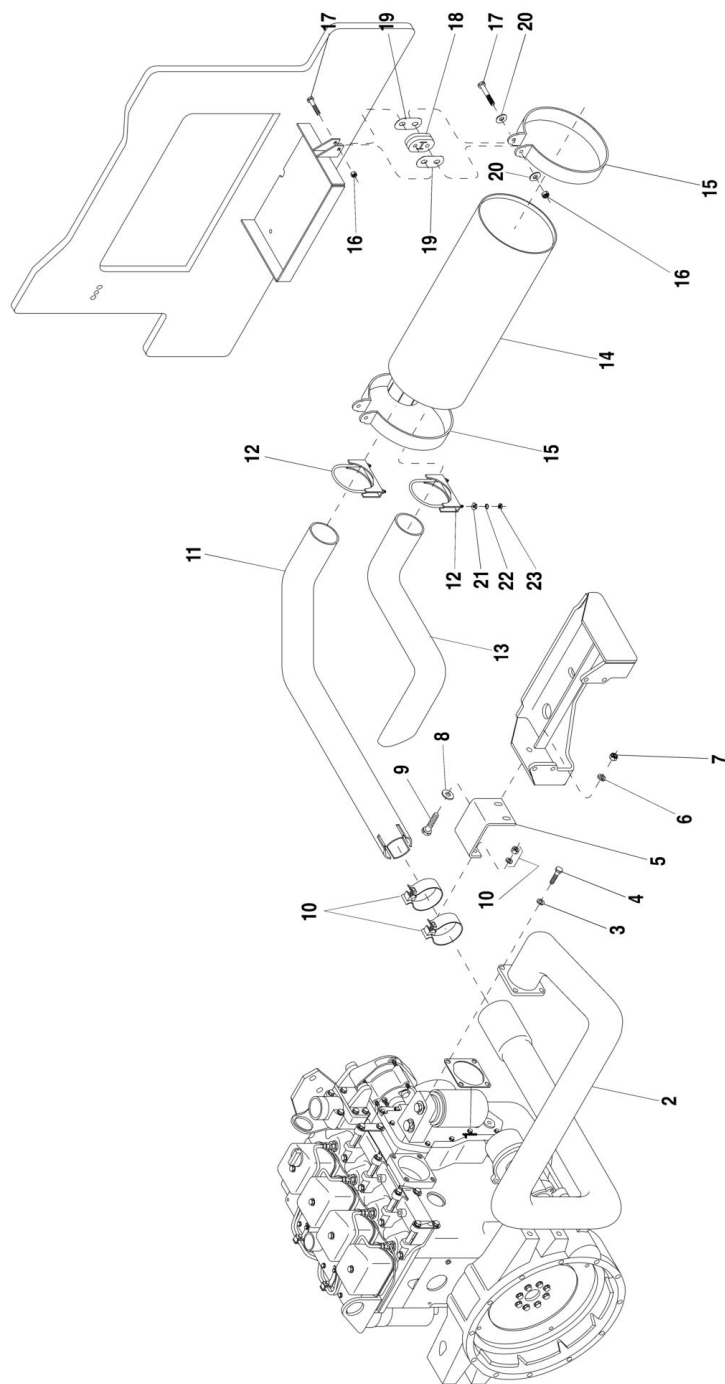
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FIGURE 2-30. ENGINE MOUNTING AND FUEL LINES (CUMMINS 4B3.9) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 1360 to Present; 644B-42 SN 400 to Present; 6K-37 SN 519 to Present; 6K-42 SN 181 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P12182	Ref	Fuel Cap	
2	P10690	1	Reducer Bushing	
3	P20830	1	90, Elbow, Pipe to Hose (Replaces P21317)	
4	P14047	6	Hose Clamp, Fuel Line	
5	37557X	1	Adapter, Pipe to Hose (Replaces P13619)	
6	P04155	9	Capscrew, Hx, M10-1.5 x 35mm	
6	P04154	3	Capscrew, Hx, M10-1.5 x 30mm	
7	P04608	12	Lockwasher, M10	
8	P17989	2	Cable Tie	
9	39353A	1	Hose, Return - 3/16in I.D. (Replaces N12346)	
10	N11437	1	Hose, Fuel Supply - 5/16in I.D.	
11	P32691	1	Fuel Filter, Inline	
12	N11441	1	Hose, Fuel	
13	P21236	1	90, Elbow, Pipe to Hose	
14	N.S.S.	Ref	Engine, 4 Cyl Diesel - Cummins Natural	
15	P31296	Ref	Fuel Filter, Primary	
16	P31295	Ref	Oil Filter, Engine	
17	68093X	1	Spacer, Fan 1 1/2in	
18	66113X	1	Fan Blade, Suction	
19	P04630	4	Flatwasher, M8	
20	P04117	4	Capscrew, Hx, M8-1.25 x 100mm	
21	38426B	1	Mounting Bracket, Engine (Replaces 38053B)	
22	P01408	1	Flatwasher, 5/8in	
23	P00690	1	Capscrew, Hx, 5/8in-18 x 3 3/4in	
24	P04609	4	Lockwasher, M12	
25	P04205	4	Capscrew, Hx, M12-1.75 x 40mm	
26	P18181	1	Rubber Mount, Engine	
27	15618A	1	Snubbing Washer	
28	P01535	1	Nut, Hx, 5/8in-18	
29	P01363	1	Starwasher, 5/8in	
30	P01585	1	Jam Nut, Hx, 5/8in-18	
31	35166A	1	Centering Sleeve	
32	P04874	4	Capscrew, Socket Hd, M10-1.5 x 40mm	
33	P32150	4	Flatwasher, M10 - Small O.D.	
34	P33140	Ref	Flywheel	
Ref	P31320	1	Block Heater	

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FIGURE 2-31. EXHAUST ASSEMBLY (CUMMINS 4B3.9)



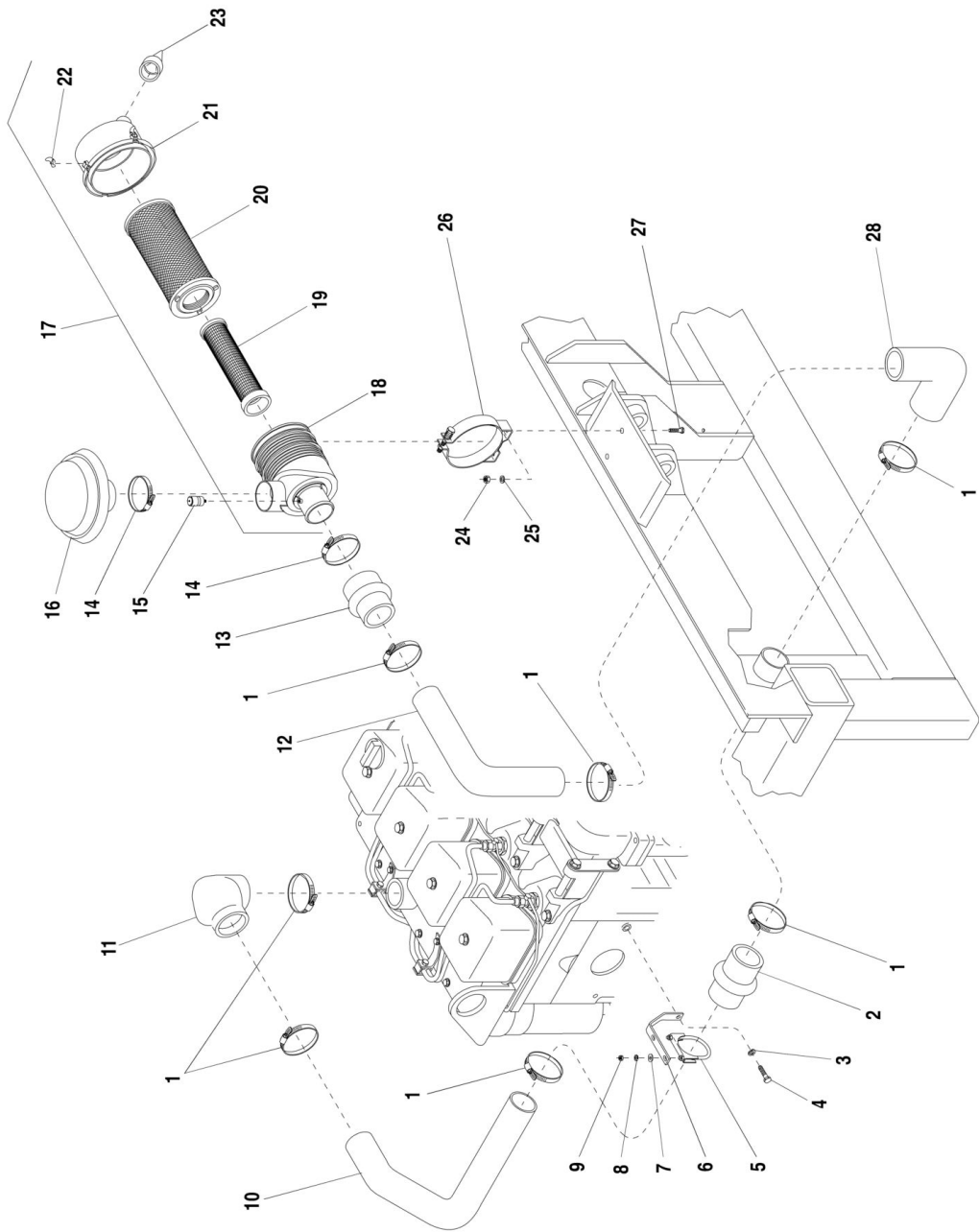
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FIGURE 2-31. EXHAUST ASSEMBLY (CUMMINS 4B3.9)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P32997	1	Gasket, Exhaust Pipe	
2	38051B	1	Pipe, Exhaust Manifold	
3	P04608	4	Lockwasher, M10	
4	P04154	4	Capscrew, Hx, M10-1.5 x 30mm	
5	36405A	1	Bracket, Exhaust Clamp	
6	P01310	2	Lockwasher, 3/8in	
7	P01508	2	Nut, Hx, 3/8in-16	
8	P01404	2	Flatwasher, 3/8in	
9	P00205	2	Capscrew, Hx, 3/8in-16 x 1 1/4in	
10	37475X	2	Seal Clamp, Exhaust (Supersedes P33144)	
11	36402A	1	Pipe, Exhaust (Supersedes 38041A)	
12	P17169	2	Muffler Clamp	
13	36412A	1	Pipe, Tail	
14	P32697	1	Muffler	
15	39876A	2	Mounting Ring, Muffler (Includes 1 each of Items 16 & 17)	
16	P01680	4	Locknut, Hx, 5/16in-24	
17	P00158	4	Capscrew, Hx, 5/16in-24 x 2in	
18	P32982	2	Exhaust Hanger, Rubber	
19	39922A	4	Link, Hanger Support (Note: Not Factory Installed on Early Production Models)	
20	10701276	4	Washer, Flat, 5/16in Hardened	
21	10705108	4	Nut, flg, 3/8in	
22	10701359	4	Starwasher, Ext, 3/8in	
23	10701558	4	JamNut, Hx, 3/8-16in	

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FIGURE 2-32. AIR CLEANER ASSEMBLY (CUMMINS 4B3.9)



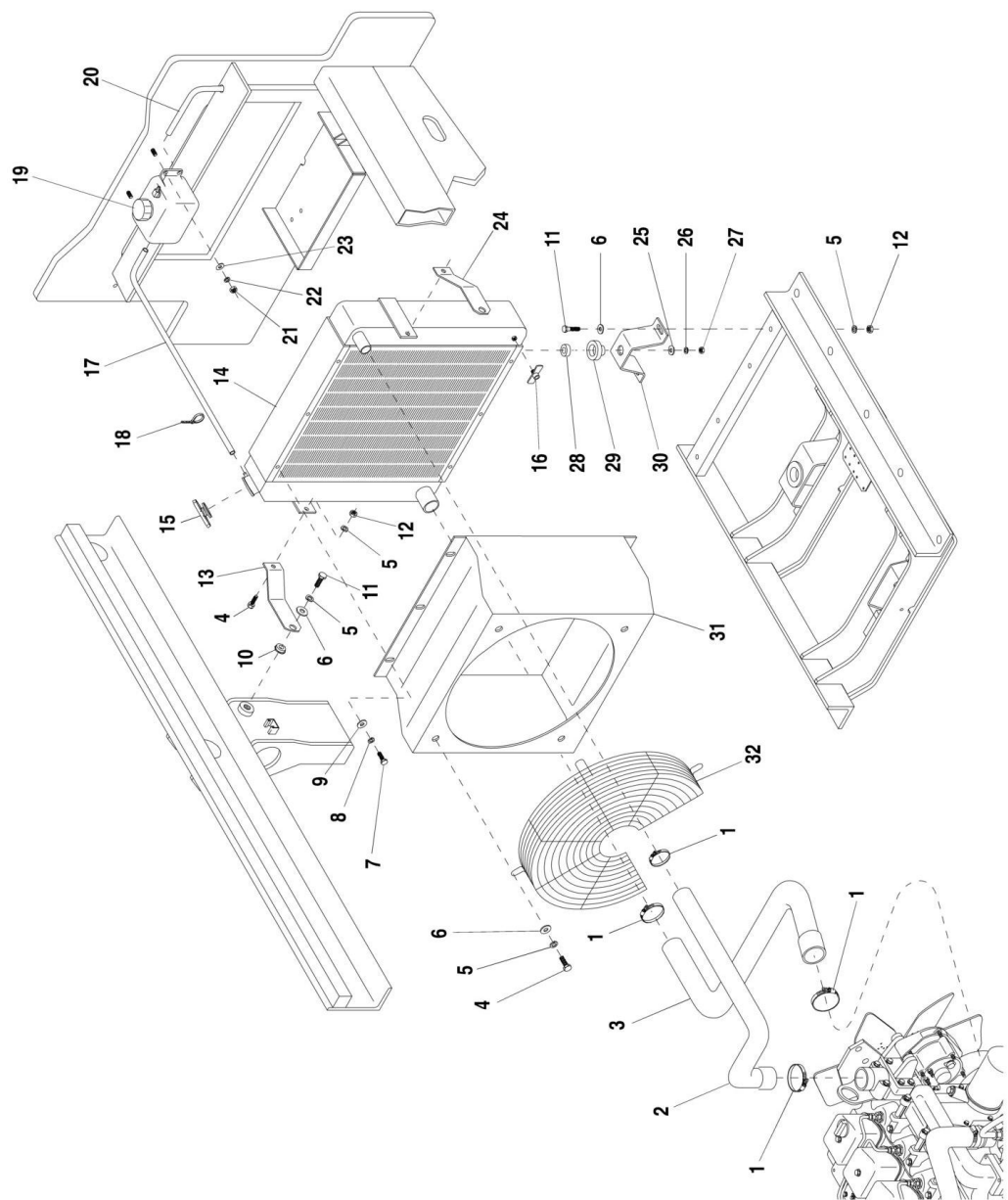
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FIGURE 2-32. AIR CLEANER ASSEMBLY (CUMMINS 4B3.9)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P10553	7	Hose Clamp, #48	
2	36982X	1	Hump Adapter	
3	P04609	1	Lockwasher, M12	
4	P04202	1	Capscrew, Hx, M12-1.75 x 25mm	
5	P17169	1	Clamp, Intake Tube (Note: Not Factory Installed on Early Production Models)	
6	38895A	1	Hanger, Intake Tube (Note: Not Factory Installed on Early Production Models)	
7	P01404	2	Flatwasher, 3/8in	
8	P01359	2	Starwasher, 3/8in	
9	P01558	2	Jam Nut, Hx, 3/8in-16	
10	38050B	1	Tube, Intake to Frame	
11	P31594	1	Elbow, Intake	
12	36399B	1	Tube, Frame to Air Cleaner	
13	P33143	1	Hump Reducer	
14	P19267	2	Hose Clamp, #64	
15	P21485	1	Service Indicator (Includes Fitting)	
16	P33146	1	Hood, Air Inlet	
17	P33141	1	Air Cleaner (Includes Items 18-23)	
18	N.S.S.	1	Body	
19	P33181	1	Filter Element, Safety	
20	P33180	1	Filter Element, Primary	
21	P33182	1	Cover	
22	P33184	3	Latch	
23	P33183	1	Vacuator Valve	
24	P01507	2	Nut, Hx, 5/16in-18	
25	P01309	2	Lockwasher, 5/16in	
26	P33142	1	Mounting Band	
27	P00102	2	Capscrew, Hx, 5/16in-18 x 3/4in	
28	P20854	1	90, Elbow, Rubber	
		Ref	N.S.S.= Not Sold Separately	

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FIGURE 2-33. RADIATOR GROUP ASSEMBLY (CUMMINS 4B3.9) (644B-37,644B-42,6K-37,6K-42)
(644B-37 SN 101 through 1349; 644B-42 SN 101 through 395; 6K-37 SN 101 through 514; 6K-42 SN
101 through 179)



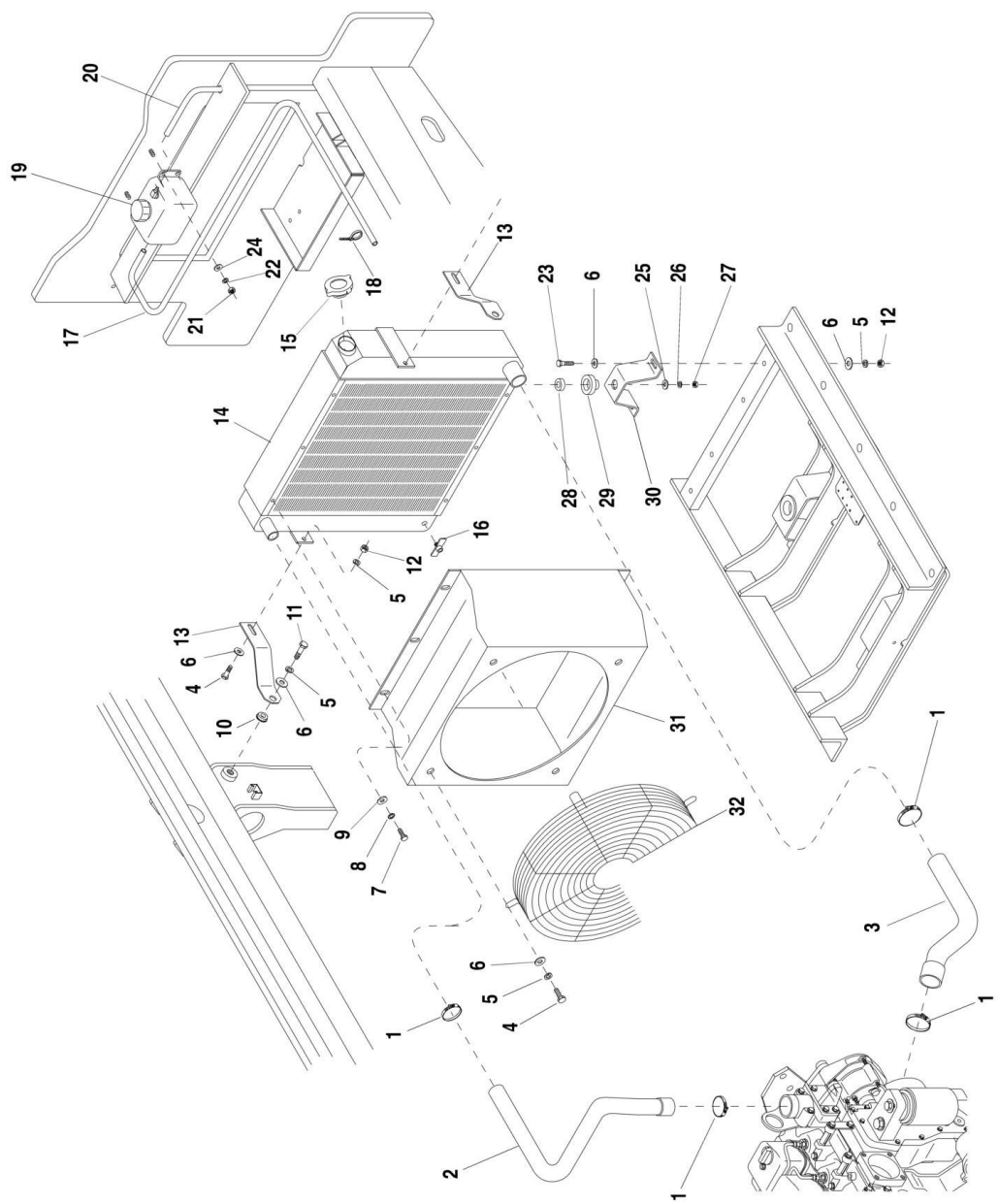
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**FIGURE 2-33. RADIATOR GROUP ASSEMBLY (CUMMINS 4B3.9) (644B-37,644B-42,6K-37,6K-42)
(644B-37 SN 101 through 1349; 644B-42 SN 101 through 395; 6K-37 SN 101 through 514; 6K-42 SN
101 through 179)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P10601	4	Hose Clamp	
2	38061B	1	Radiator Hose, Upper	
3	38060B	1	Radiator Hose, Lower	
4	P00202	6	Capscrew, Hx, 3/8in-16 x 3/4in	
5	P01310	12	Lockwasher, 3/8in	
6	P01404	10	Flatwasher, 3/8in	
7	P00102	6	Capscrew, Hx, 5/16in-18 x 3/4in	
8	P01309	6	Lockwasher, 5/16in	
9	P01403	6	Flatwasher, 5/16in	
10	15845B	2	Rubber Grommet	
11	P00204	6	Capscrew, Hx, 3/8in-16 x 1in	
12	P01508	6	Nut, Hx, 3/8in-16	
13	36991A	1	Support Bracket, R.H.	
14	36043C	1	Radiator, Crossflow (Includes Items 15, 16 & 17)	
15	P25365	1	Cap, Radiator	
16	P16675	1	Drain Cock	
17	N12347	1	Hose, Recovery Tank	
18	P17989	3	Cable Tie	
19	36491B	1	Recovery Tank, Coolant	
20	N12348	1	Hose, Drain	
21	P01506	2	Nut, Hx, 1/4in-20	
22	P01308	2	Lockwasher, 1/4in	
23	P01402	2	Flatwasher, 1/4in	
24	36992A	1	Support Bracket, L.H.	
25	P01406	2	Flatwasher, 1/2in	
26	P01312	2	Lockwasher, 1/2in	
27	P01510	2	Nut, Hx, 1/2in-13	
28	P24305	2	Bushing	
29	P24306	2	Grommet	
30	36288B	2	Support, Radiator	
31	65024D	1	Fan Shroud, Plastic (Supersedes 36207B)	
32	38470B	1	Fan Guard	

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FIGURE 2-34. RADIATOR GROUP ASSEMBLY (CUMMINS 4B3.9) (644B-37,644B-42,6K-37,6K-42)
(644B-37 SN 1350 to Present; 644B-42 SN 396 to Present; 6K-37 SN 515 to Present; 6K-42 SN 180 to Present)



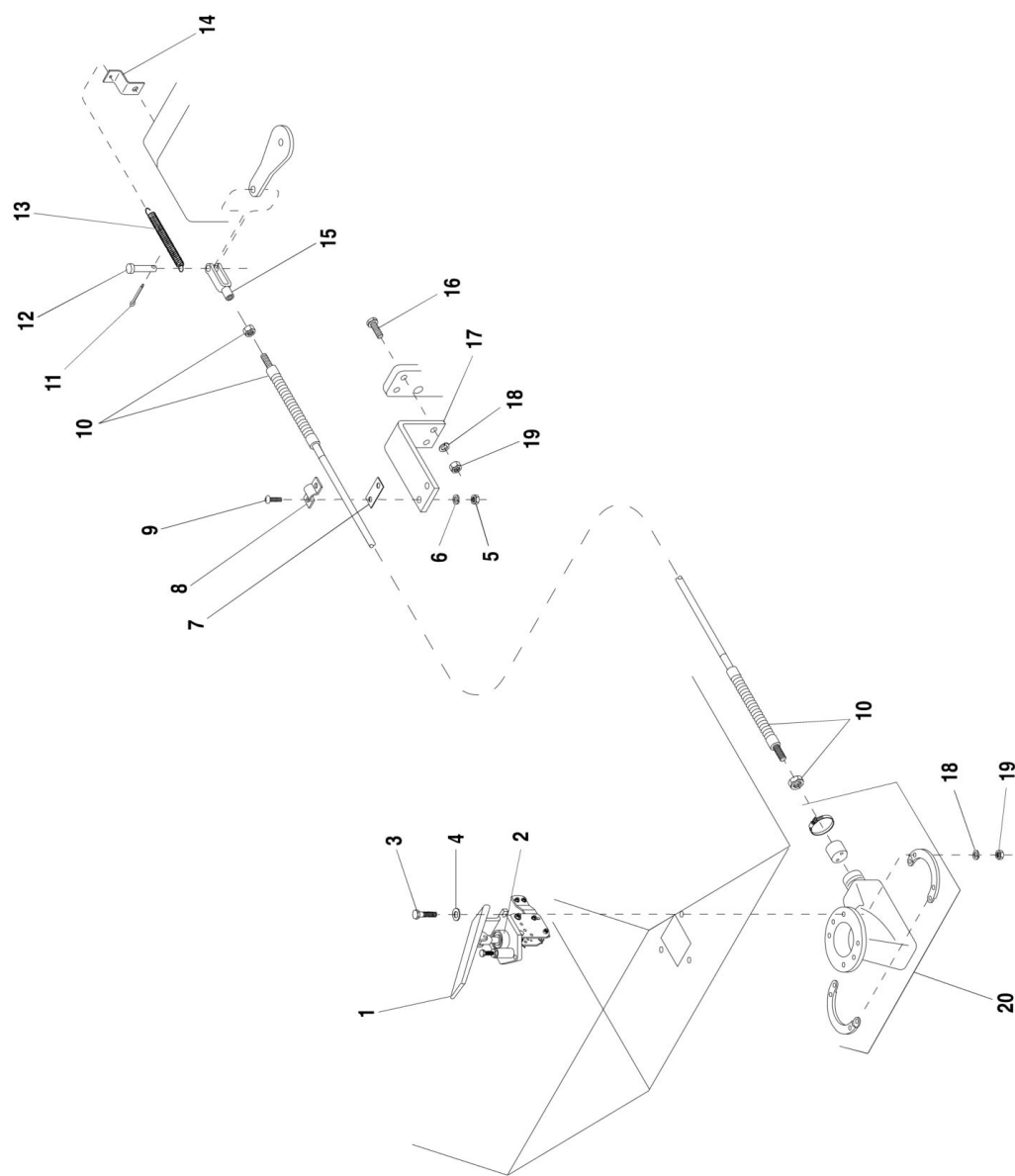
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**FIGURE 2-34. RADIATOR GROUP ASSEMBLY (CUMMINS 4B3.9) (644B-37,644B-42,6K-37,6K-42)
(644B-37 SN 1350 to Present; 644B-42 SN 396 to Present; 6K-37 SN 515 to Present; 6K-42 SN 180 to Present)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P10601	4	Hose Clamp	
2	66907B	1	Radiator Hose, Upper	
3	66908B	1	Radiator Hose, Lower	
4	P00202	6	Capscrew, Hx, 3/8in-16 x 3/4in	
5	P01310	12	Lockwasher, 3/8in	
6	P01404	14	Flatwasher, 3/8in	
7	P00102	6	Capscrew, Hx, 5/16in-18 x 3/4in	
8	P01358	6	Starwasher, 5/16in	
9	P01403	6	Flatwasher, 5/16in	
10	15845B	2	Rubber Grommet	
11	P00204	2	Capscrew, Hx, 3/8in-16 x 1in	
12	P01508	6	Nut, Hx, 3/8in-16	
13	36991A	1	Support Bracket, R.H.	
14	39460C	1	Radiator, Crossflow (Includes Items 15, 16)	
15	37768X	1	Cap, Radiator	
16	P16675	1	Drain Cock	
17	67128A-47	1	Hose, Recovery Tank	
18	P17989	3	Cable Tie	
19	36491B	1	Recovery Tank, Coolant	
20	67128A-35	1	Hose, Drain	
21	P01506	2	Nut, Hx, 1/4in-20	
22	P01308	2	Lockwasher, 1/4in	
23	10700205	4	Capscrew, Hx, 3/8in-16 x 1 1/4in	
24	P01402	2	Flatwasher, 1/4in	
25	P01406	2	Flatwasher, 1/2in	
26	P01312	2	Lockwasher, 1/2in	
27	P01510	2	Nut, Hx, 1/2in-13	
28	P24305	2	Bushing	
29	P24306	2	Grommet	
30	36288B	2	Support, Radiator	
31	65024D	1	Fan Shroud, Plastic	
32	38470B	1	Fan Guard	

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FIGURE 2-35. THROTTLE GROUP ASSEMBLY (CUMMINS 4B3.9) (644B-37,644B-42,6K-37,6K-42)
(644B-37 SN 101 through 402, Excluding 375; 644B-42 SN 101 through 124; 6K-37 SN 101 through 215; 6K-42 SN 101 through 106)



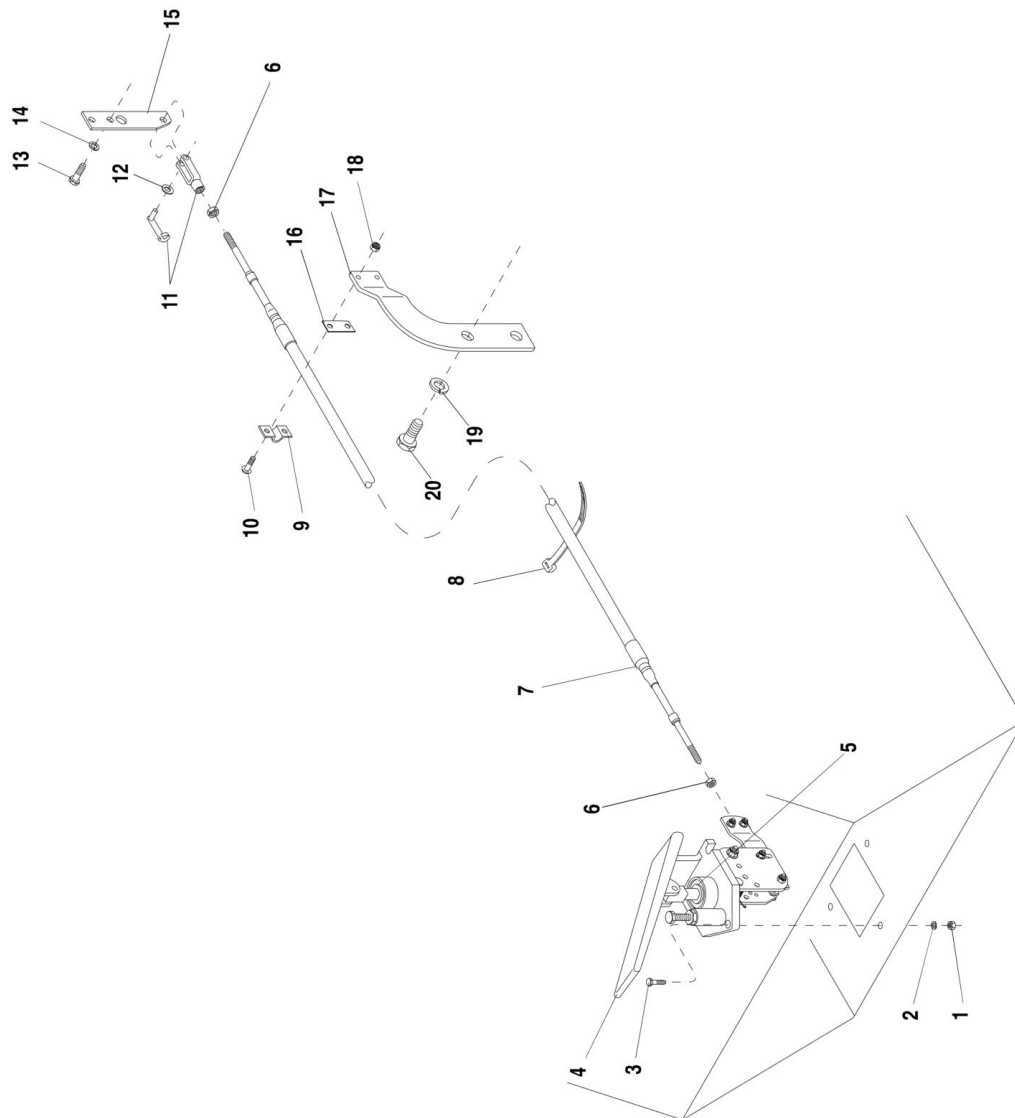
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**FIGURE 2-35. THROTTLE GROUP ASSEMBLY (CUMMINS 4B3.9) (644B-37,644B-42,6K-37,6K-42)
(644B-37 SN 101 through 402, Excluding 375; 644B-42 SN 101 through 124; 6K-37 SN 101 through
215; 6K-42 SN 101 through 106)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	16461A	1	Accelerator Pedal (Includes Item 2)	
2	P20069	1	Bellows	
3	P00006	3	Capscrew, Hx, 1/4in-20 x 1 1/4in	
4	P01402	2	Flatwasher, 1/4in	
5	P01504	2	Nut, Hx, #10-24	
6	P01306	2	Lockwasher, #10	
7	16401A	1	Shim, Cable Clamp	
8	14383A	1	Clamp, Cable	
9	P02057	2	Screw, Slotted Rd Hd, #10-24 x 3/4in	
10	P29629	1	Cable, Throttle - 114in Long (Supersedes 16462A - P19264 / 96in Long)	
11	P03823	1	Cotter Pin, 3/32in x 3/4in	
12	P10512	1	Clevis Pin, 1/4in x 1in	
13	P21260	1	Spring	
14	66261A	1	Anchor, Spring (Offset)	
14	17786A	-	Anchor, Spring (Straight)	
15	P10508	1	Clevis	
16	P00003	2	Capscrew, Hx, 1/4in-20 x 3/4in	
17	35422B	1	Bracket, Throttle Cable - Turbo (Shown)	
17	38934B	-	Bracket, Throttle Cable - Natural (Supersedes 34224B)	
18	P01308	5	Lockwasher, 1/4in	
19	P01506	5	Nut, Hx, 1/4in-20	
20	16466A	1	Boot Guard, Pedal	

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FIGURE 2-36. THROTTLE GROUP ASSEMBLY (CUMMINS 4B3.9) (644B-37,644B-42,6K-37,6K-42)
(644B-37 SN 403 to Present, Including 375; 644B-42 SN 125 to Present; 6K-37 SN 216 to Present; 6K-42 SN 107 to Present)



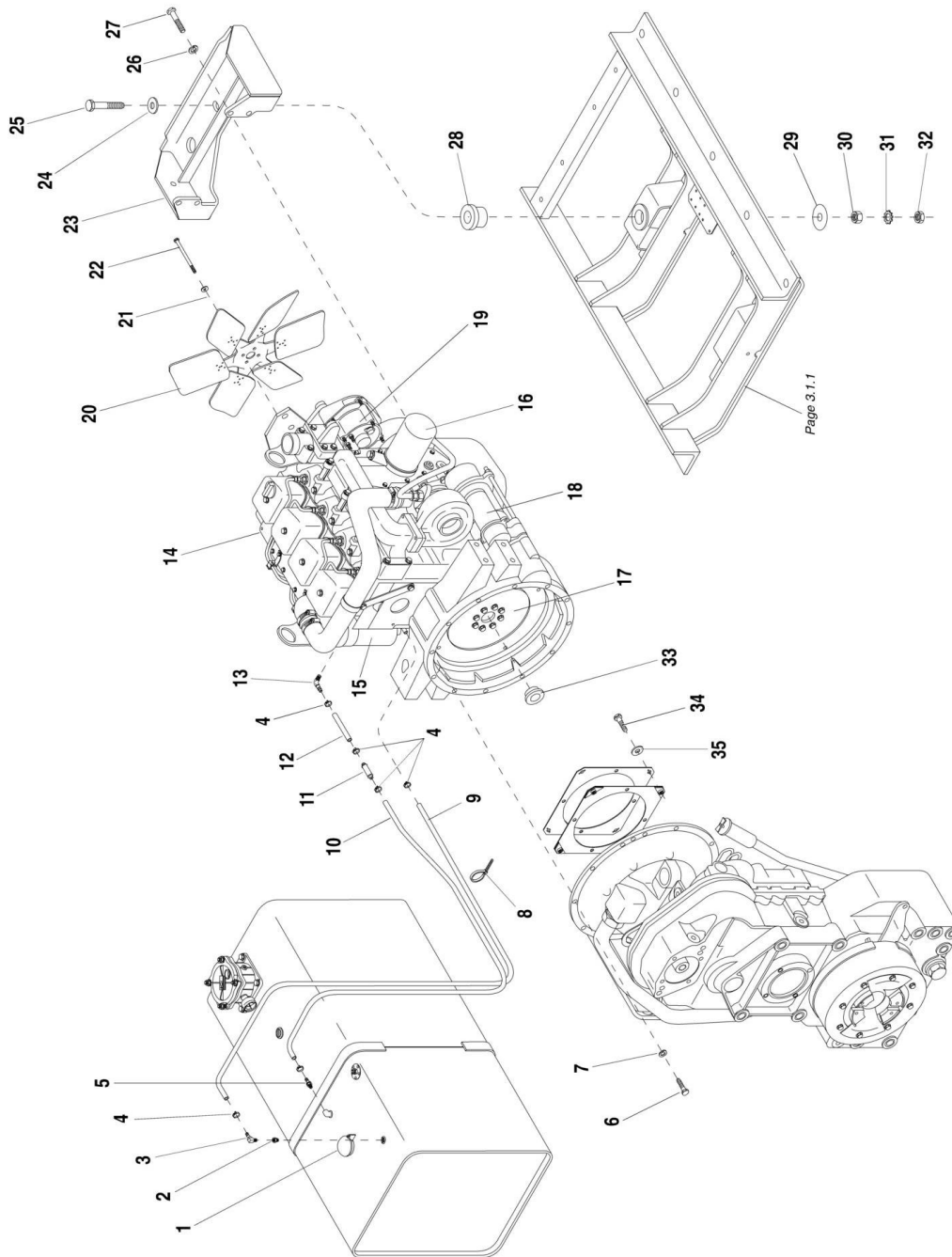
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**FIGURE 2-36. THROTTLE GROUP ASSEMBLY (CUMMINS 4B3.9) (644B-37,644B-42,6K-37,6K-42)
(644B-37 SN 403 to Present, Including 375; 644B-42 SN 125 to Present; 6K-37 SN 216 to Present; 6K-42 SN 107 to Present)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P01506	5	Nut, Hx, 1/4in-20	
2	P01308	5	Lockwasher, 1/4in	
3	P00003	5	Capscrew, Hx, 1/4in-20 x 3/4in	
4	P19263	1	Accelerator Pedal (Includes Item 5)	
5	P20069	1	Bellows	
6	P01529	2	Nut, Hx, 1/4in-28	
7	37380X	1	Cable, Throttle - 114in Long	
8	P20496	4	Cable Tie	
9	14383A	1	Clamp, Cable	
10	10703038	2	Screw, Slotted Rd Hd, #10-24 x 3/4in	
11	38818A	1	Yoke end w/ Spring Pin	
12	65906A	1	Spacer	
13	P04053	2	Capscrew, Hx, M6-1 x 16mm	
14	P04606	2	Lockwasher, M6	
15	65925A	1	Extension, Throttle Lever	
16	16401A	1	Shim, Cable Clamp	
17	10165928	1	Bracket, Throttle Cable	
18	10701654	2	Nut, Hx, #10-24	
19	P04609	2	Lockwasher, M12	
20	P04201	2	Capscrew, Hx, M12-1.75 x 20mm 8.8	

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FIGURE 2-37. ENGINE MOUNTING AND FUEL LINES (CUMMINS 4BT3.9) (1044C-42,1044C-54,10K-42,10K-54,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 101 through 968; 644B-42 SN 101 through 363; 844C-42 SN 101 through 818; 1044C-42 SN 101 through 122; 1044C-54 SN 101 through 268; 6K-37 SN 101 through 531; 6K-42 SN 101 through 192; 8K-42 SN 101 through 258; 10K-42 SN 101 through 108; 10K-54 SN 101 through 108)



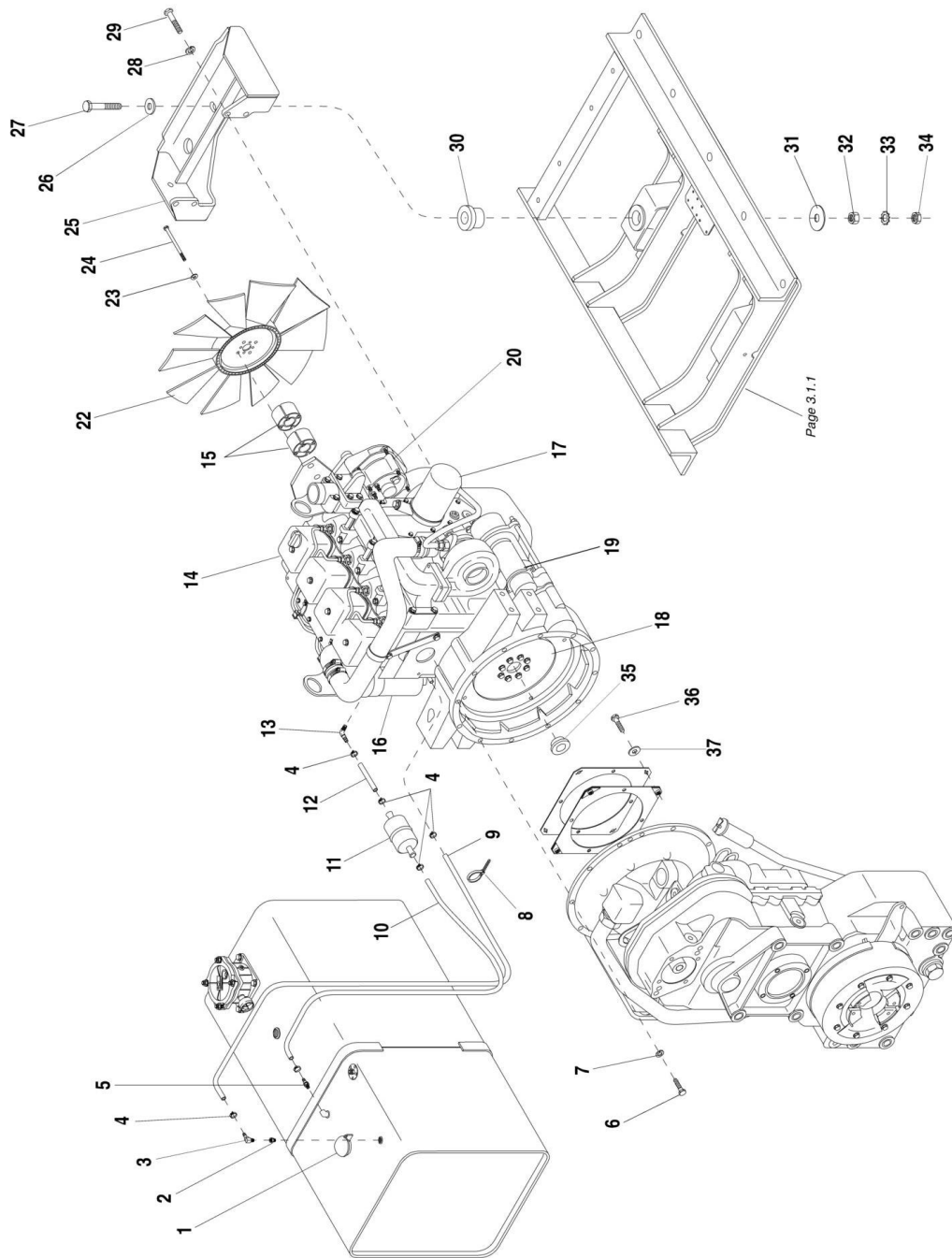
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FIGURE 2-37. ENGINE MOUNTING AND FUEL LINES (CUMMINS 4BT3.9) (1044C-42,1044C-54,10K-42,10K-54,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 101 through 968; 644B-42 SN 101 through 363; 844C-42 SN 101 through 818; 1044C-42 SN 101 through 122; 1044C-54 SN 101 through 268; 6K-37 SN 101 through 531; 6K-42 SN 101 through 192; 8K-42 SN 101 through 258; 10K-42 SN 101 through 108; 10K-54 SN 101 through 108)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P12182	Ref	Fuel Cap	
2	P10690	1	Reducer Bushing	
3	P20830	1	90, Elbow, Pipe to Hose (Replaces P21317)	
4	P14047	6	Hose Clamp, Fuel Line	
5	37557X	1	Adapter, Pipe to Hose (Replaces P13619)	
6	P04155	9	Capscrew, Hx, M10-1.5 x 35mm	
6	P04154	3	Capscrew, Hx, M10-1.5 x 30mm	
7	P04608	12	Lockwasher, M10	
8	P17989	2	Cable Tie	
9	39353A	1	Hose, Return - 3/16in I.D. (Replaces N12346)	
10	N11437	1	Hose, Fuel Supply - 5/16in I.D.	
11	P32691	1	Fuel Filter, Inline	
12	N11441	1	Hose, Fuel	
13	P21236	1	90, Elbow, Pipe to Hose	
14	N.S.S.	1	Engine, 4 Cyl Diesel - Cummins Turbo	
15	P31296	Ref	Fuel Filter, Primary	
16	P31295	Ref	Oil Filter, Engine	
17	P33140	Ref	Flywheel	
18	P32572	Ref	Starting Motor	
19	7029525	Ref	Alternator	
20	37114X	1	Fan Blade, Blower	
21	P04630	4	Flatwasher, M8	
22	P04118	4	Capscrew, Hx, M8-1.25 x 110mm	
23	38426B	1	Mounting Bracket, Engine (Replaces 38053B)	
24	P01408	1	Flatwasher, 5/8in	
25	P00690	1	Capscrew, Hx, 5/8in-18 x 3 3/4in	
26	P04609	4	Lockwasher, M12	
27	P04205	4	Capscrew, Hx, M12-1.75 x 40mm	
28	P18181	1	Rubber Mount, Engine	
29	15618A	1	Snubbing Washer	
30	P01535	1	Nut, Hx, 5/8in-18	
31	P01363	1	Starwasher, 5/8in	
32	P01585	1	Jam Nut, Hx, 5/8in-18	
33	35166A	1	Centering Sleeve	
34	P04874	4	Capscrew, Socket Hd, M10-1.5 x 40mm	
35	P32150	4	Flatwasher, M10 - Small O.D.	
Ref	P31320	1	Block Heater	

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FIGURE 2-38. ENGINE MOUNTING AND FUEL LINES (CUMMINS 4BT3.9) (1044C-42,1044C-54,10K-42,10K-54,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 969 to Present; 644B-42 SN 364 to Present; 844C-42 SN 819 to Present; 1044C-42 SN 123 to Present; 1044C-54 SN 269 to Present; 6K-37 SN 523 to Present; 6K-42 SN 193 to Present; 8K-42 SN 259 to Present; 10K-42 SN 109 to Present; 10K-54 SN 109 to Present)



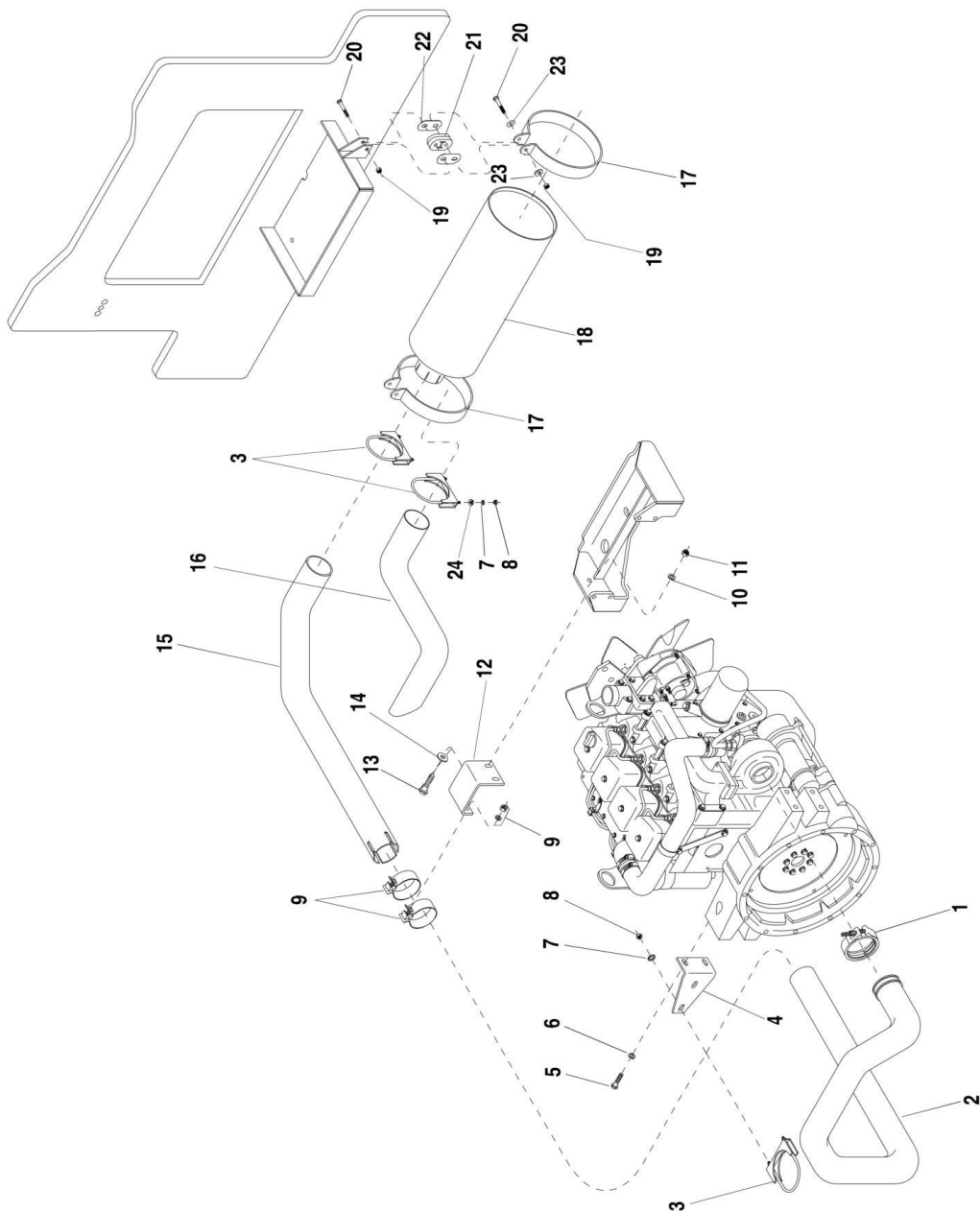
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FIGURE 2-38. ENGINE MOUNTING AND FUEL LINES (CUMMINS 4BT3.9) (1044C-42,1044C-54,10K-42,10K-54,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 969 to Present; 644B-42 SN 364 to Present; 844C-42 SN 819 to Present; 1044C-42 SN 123 to Present; 1044C-54 SN 269 to Present; 6K-37 SN 523 to Present; 6K-42 SN 193 to Present; 8K-42 SN 259 to Present; 10K-42 SN 109 to Present; 10K-54 SN 109 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P12182	Ref	Fuel Cap	
2	P10690	1	Reducer Bushing	
3	P20830	1	90, Elbow, Pipe to Hose	
4	P14047	6	Hose Clamp, Fuel Line	
5	37557X	1	Adapter, Pipe to Hose	
6	P04155	9	Capscrew, Hx, M10-1.5 x 35mm	
6	P04154	3	Capscrew, Hx, M10-1.5 x 30mm	
7	P04608	12	Lockwasher, M10	
8	P17989	2	Cable Tie	
9	66211A	1	Hose, Return - 3/16in I.D.	
10	66210A	1	Hose, Fuel Supply - 5/16in I.D.	
11	66109X	1	Fuel Filter, Inline	
12	66209A	1	Hose, Fuel	
13	P28874	1	90, Elbow, Pipe to Hose	
14	N.S.S.	1	Engine, 4 Cyl Diesel - Cummins Turbo (E.P.A.)	
15	68093X	2	Spacer, Fan	
16	P31296	Ref	Fuel Filter, Primary	
17	P31295	Ref	Oil Filter, Engine	
18	P33140	Ref	Flywheel	
19	P32572	Ref	Starting Motor	
20	7029525	Ref	Alternator	
21	37767X	2	Spacer, Fan	
22	66113X	1	Fan Blade, Suction	
23	P04630	4	Flatwasher, M8	
24	P04117	4	Capscrew, Hx, M8-1.25 x 100mm	
25	38426B	1	Mounting Bracket, Engine	
26	P01408	1	Flatwasher, 5/8in	
27	P00690	1	Capscrew, Hx, 5/8in-18 x 3 3/4in	
28	P04609	4	Lockwasher, M12	
29	P04205	4	Capscrew, Hx, M12-1.75 x 40mm	
30	P18181	1	Rubber Mount, Engine	
31	15618A	1	Snubbing Washer	
32	P01535	1	Nut, Hx, 5/8in-18	
33	P01363	1	Starwasher, 5/8in	
34	P01585	1	Jam Nut, Hx, 5/8in-18	
35	35166A	1	Centering Sleeve	
36	P04874	4	Capscrew, Socket Hd, M10-1.5 x 40mm	
37	P32150	4	Flatwasher, M10 - Small O.D.	
Ref	66138X	1	Block Heater	

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FIGURE 2-39. EXHAUST ASSEMBLY (CUMMINS 4BT3.9)



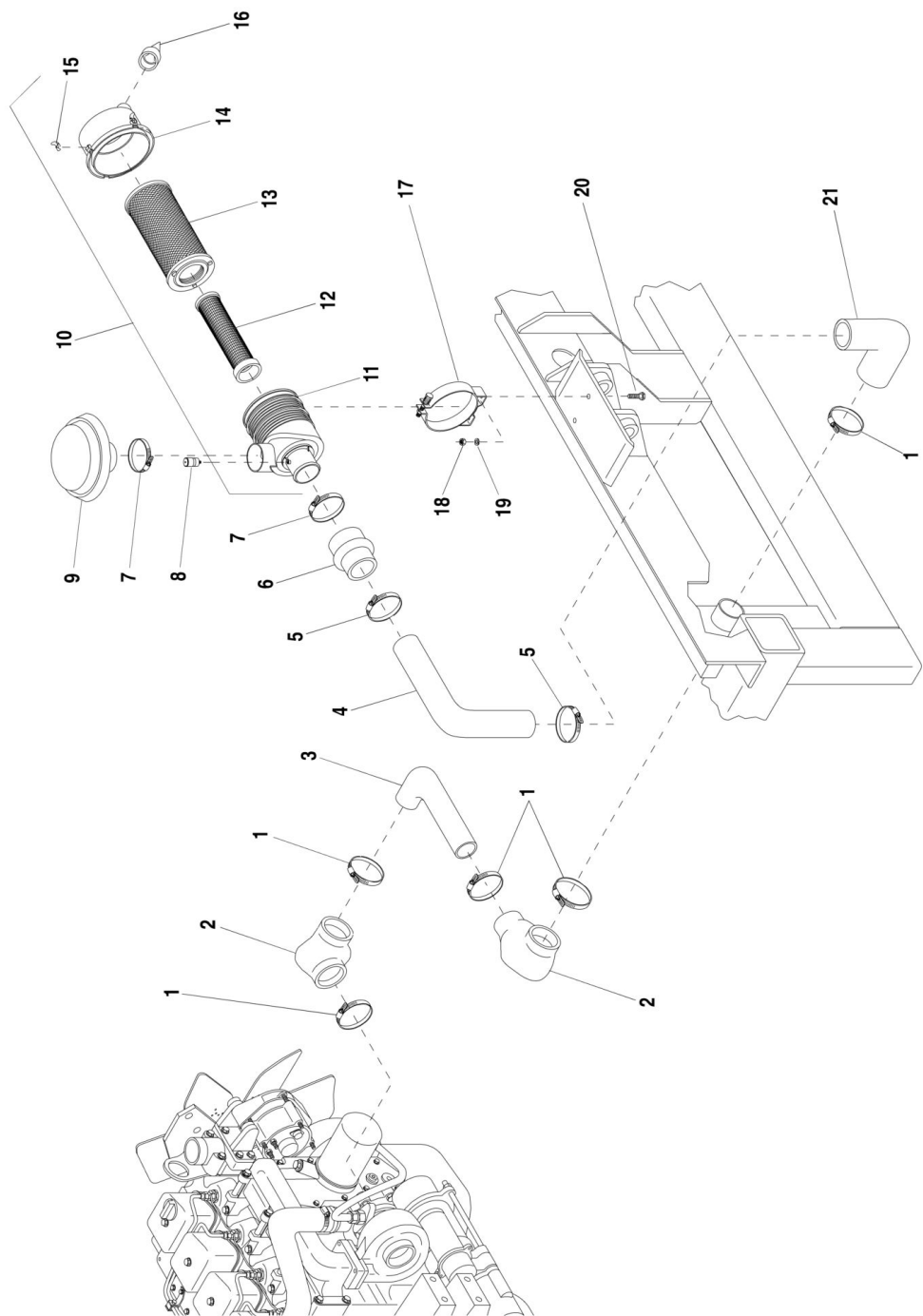
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FIGURE 2-39. EXHAUST ASSEMBLY (CUMMINS 4BT3.9)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P32986	1	Clamp, V-band	
2	10265683	1	Exhaust Pipe, Turbo	
3	P17169	3	Muffler Clamp	
4	38313B	1	Support Bracket, Exhaust	
5	P04201	2	Capscrew, Hx, M12-1.75 x 20mm	
6	P04609	2	Lockwasher, M12	
7	P01359	2	Starwasher, 3/8in External	
8	P01558	2	Jam Nut, Hx, 3/8in-16	
9	37475X	2	Seal Clamp, Exhaust (Supersedes P33144)	
10	P01310	2	Lockwasher, 3/8in	
11	P01508	2	Nut, Hx, 3/8in-16	
12	36405A	1	Bracket, Exhaust Clamp	
13	P00205	2	Capscrew, Hx, 3/8in-16 x 1 1/4in	
14	P01404	2	Flatwasher, 3/8in	
15	36402A	1	Pipe, Exhaust (Supersedes 38041A)	
16	36412A	1	Pipe, Tail	
17	39876A	2	Mounting Ring, Muffler (Includes 1 each of Items 20 & 21)	
18	P32697	1	Muffler	
19	P01680	4	Locknut, Hx, 5/16in-24	
20	P00158	4	Capscrew, Hx, 5/16in-24 x 2in	
21	P32982	2	Exhaust Hanger, Rubber	
22	39922A	4	Link, Hanger Support (Note: Not Factory Installed on Early Production Models)	
23	10701276	4	Washer, Flat, 5/16in Hardened	
24	10705108	4	Nut, flg, 3/8in-16	

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FIGURE 2-40. AIR CLEANER ASSEMBLY (CUMMINS 4BT3.9)



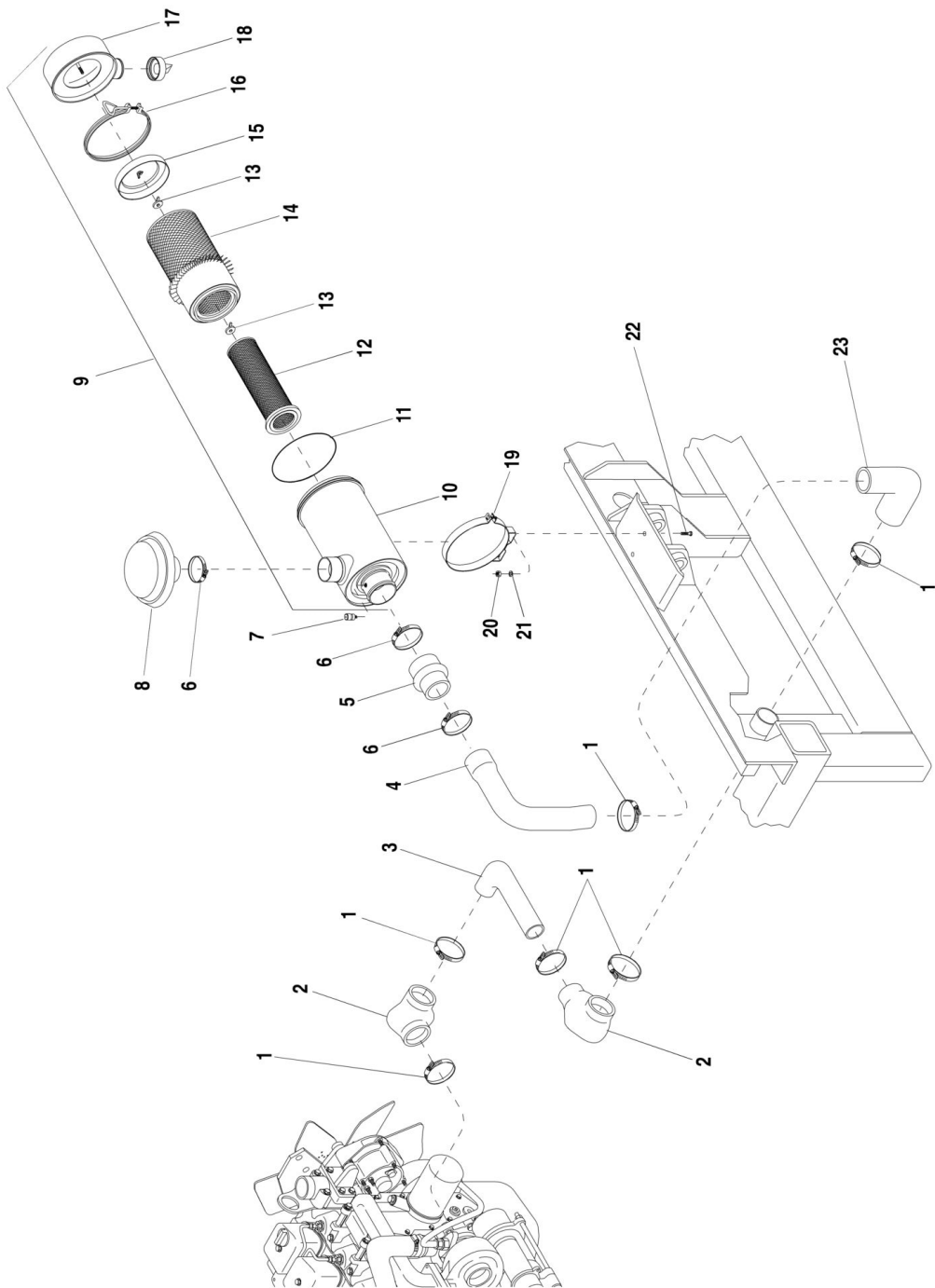
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FIGURE 2-40. AIR CLEANER ASSEMBLY (CUMMINS 4BT3.9)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P10553	5	Hose Clamp, #48	
2	P31594	2	Elbow, Intake	
3	38052A	1	Tube, Intake to Frame	
4	36399B	1	Tube, Frame to Air Cleaner	
5	10719267	2	Hose Clamp, 4 1/2in	
6	P33143	1	Hump Reducer	
7	10721148	2	Clamp, Air Cleaner	
8	P21485	1	Service Indicator (Includes Fitting)	
9	P33146	1	Hood, Air Inlet	
10	P33141	1	Air Cleaner (Includes Items 10-15)	
11	N.S.S.	1	Body	
12	P33181	1	Filter Element, Safety	
13	P33180	1	Filter Element, Primary	
14	P33182	1	Cover	
15	P33184	3	Latch	
16	P33183	1	Vacuator Valve	
17	P33142	1	Mounting Band	
18	P01507	2	Nut, Hx, 5/16in-18	
19	P01309	2	Lockwasher 5/16in	
20	P00102	2	Capscrew, Hx, 5/16in-18 x 3/4in	
21	P20854	1	90, Elbow, Rubber	
		Ref	N.S.S. = Not Sold Separately	

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FIGURE 2-41. AIR CLEANER ASSEMBLY (CUMMINS 4BT3.9)



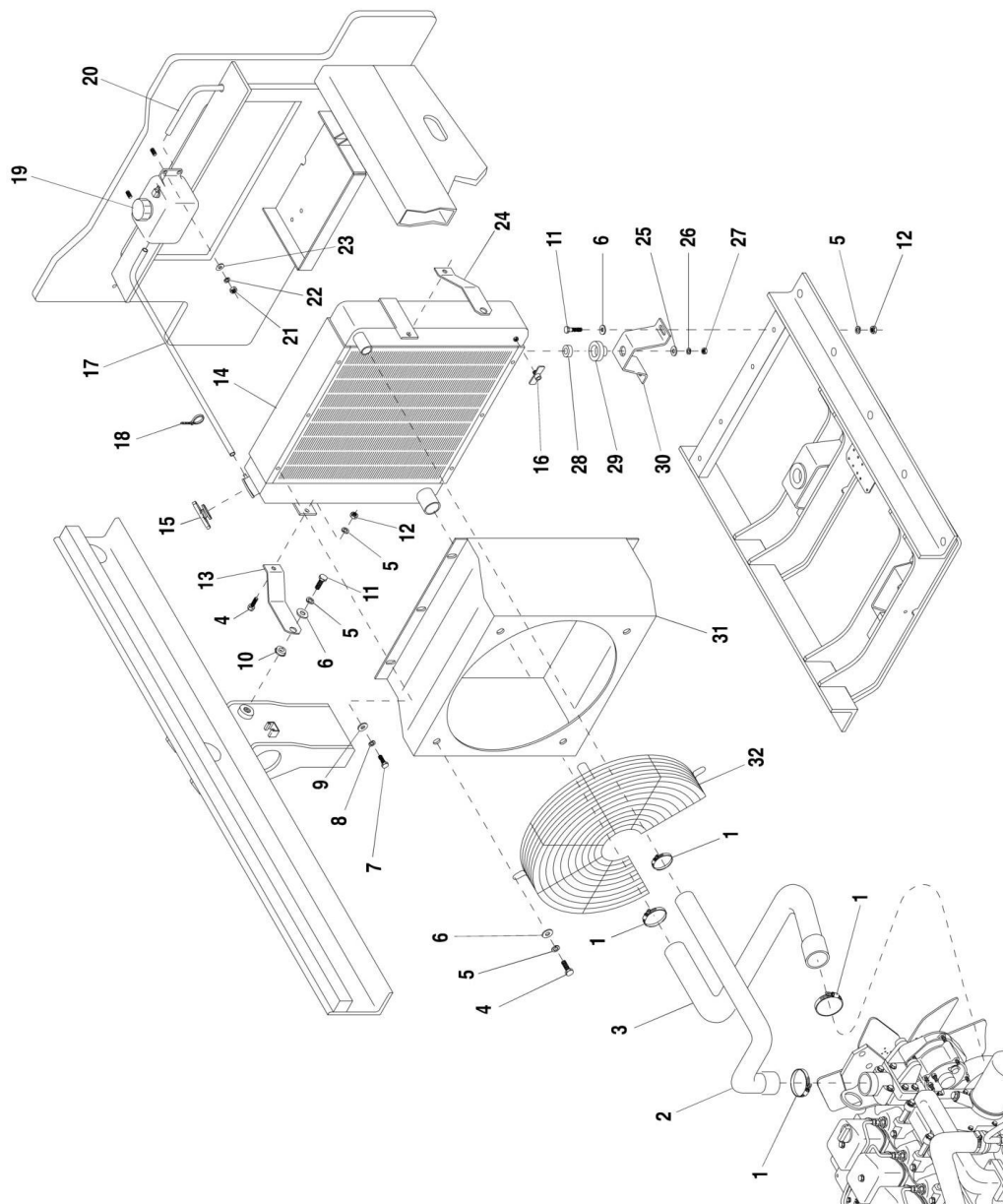
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FIGURE 2-41. AIR CLEANER ASSEMBLY (CUMMINS 4BT3.9)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P10553	7	Hose Clamp, #48	
2	P31594	2	Elbow, Intake	
3	38052A	1	Tube, Intake to Frame	
4	66180B	1	Tube, Frame to Air Cleaner	
5	66110X	1	Hump Reducer	
6	P21815	2	Hose Clamp, #64	
7	P21485	1	Service Indicator (Includes Fitting)	
8	66445X	1	Hood, Air Inlet	
9	10866107	1	Air Cleaner (Includes Items 10-17)	
10	N.S.S.	1	Body	
11	36795X	1	O-Ring	
12	36792X	1	Filter Element, Safety	
13	P40295	2	Wing Nut	
14	36791X	1	Filter Element, Primary	
15	P21433	1	Baffle Assembly	
16	36793X	1	Clamp Assembly	
17	36794X	1	Cover	
18	P40299	1	Vacuator Valve	
19	P19266	2	Mounting Band	
20	P01507	4	Nut, Hx, 5/16in-18	
21	P01309	4	Lockwasher 5/16in	
22	P00102	4	Capscrew, Hx, 5/16in-18 x 3/4in	
23	P27646	1	90, Elbow, Rubber	
		Ref	N.S.S. = Not Sold Separately	

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FIGURE 2-42. RADIATOR GROUP ASSEMBLY (CUMMINS 4BT3.9) (1044C-42,1044C-54,10K-42,10K-54,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 101 through 1349; 644B-42 SN 101 through 395; 844C-42 SN 101 through 1412; 1044C-42 SN 101 through 126; 1044C-54 SN 101 through 326; 6K-37 SN 101 through 514; 6K-42 SN 101 through 179; 8K-42 SN 101 through 337; 10K-42 SN 101 through 108; 10K-54 SN 101 through 114)



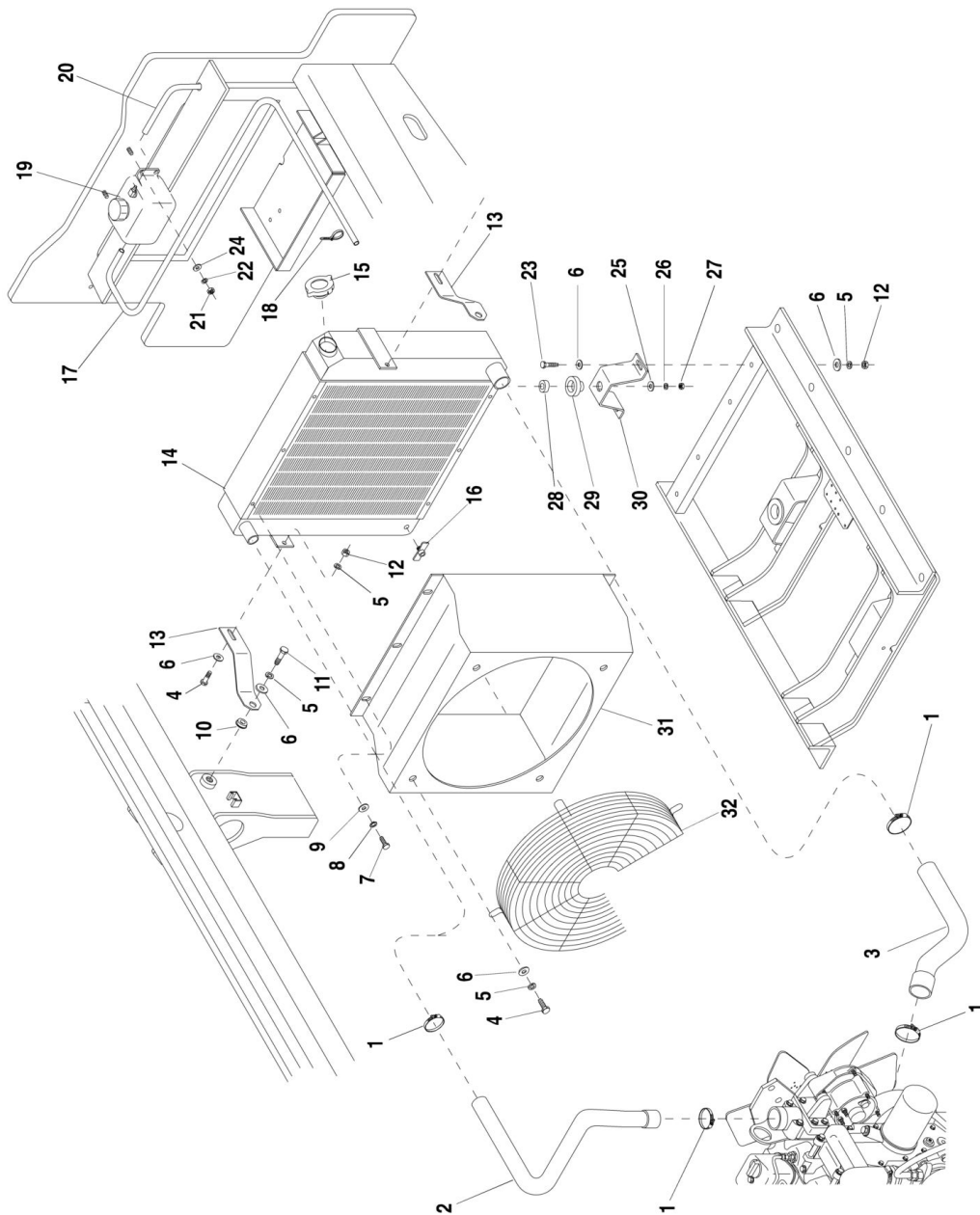
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FIGURE 2-42. RADIATOR GROUP ASSEMBLY (CUMMINS 4BT3.9) (1044C-42,1044C-54,10K-42,10K-54,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 101 through 1349; 644B-42 SN 101 through 395; 844C-42 SN 101 through 1412; 1044C-42 SN 101 through 126; 1044C-54 SN 101 through 326; 6K-37 SN 101 through 514; 6K-42 SN 101 through 179; 8K-42 SN 101 through 337; 10K-42 SN 101 through 108; 10K-54 SN 101 through 114)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P10601	4	Hose Clamp	
2	38061B	1	Radiator Hose, Upper	
3	38060B	1	Radiator Hose, Lower	
4	P00202	6	Capscrew, Hx, 3/8in-16 x 3/4in	
5	P01310	12	Lockwasher, 3/8in	
6	P01404	10	Flatwasher, 3/8in	
7	P00102	6	Capscrew, Hx, 5/16in-18 x 3/4in	
8	P01309	6	Lockwasher, 5/16in	
9	P01403	6	Flatwasher, 5/16in	
10	15845B	2	Rubber Grommet	
11	P00204	6	Capscrew, Hx, 3/8in-16 x 1in	
12	P01508	6	Nut, Hx, 3/8in-16	
13	36991A	1	Support Bracket, R.H.	
14	36043C	1	Radiator, Crossflow (Includes Items 15, 16 & 17)	
15	P25365	1	Cap, Radiator	
16	P16675	1	Drain Cock	
17	N12347	1	Hose, Recovery Tank	
18	P17989	3	Cable Tie	
19	36491B	1	Recovery Tank, Coolant	
20	N12348	1	Hose, Drain	
21	P01506	2	Nut, Hx, 1/4in-20	
22	P01308	2	Lockwasher, 1/4in	
23	P01402	2	Flatwasher, 1/4in	
24	36992A	1	Support Bracket, L.H.	
25	P01406	2	Flatwasher, 1/2in	
26	P01312	2	Lockwasher, 1/2in	
27	P01510	2	Nut, Hx, 1/2in-13	
28	P24305	2	Bushing	
29	P24306	2	Grommet	
30	36288B	2	Support, Radiator	
31	65024D	1	Fan Shroud, Plastic (Replaces 36207B)	
32	38470B	1	Fan Guard	

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FIGURE 2-43. RADIATOR GROUP ASSEMBLY (CUMMINS 4BT3.9) (1044C-42,1044C-54,10K-42,10K-54,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 1350 to Present; 644B-42 SN 396 to Present; 844C-42 SN 1413 to Present; 1044C-42 SN 127 to Present; 1044C-54 SN 327 to Present; 6K-37 SN 515 to Present; 6K-42 SN 180 to Present; 8K-42 SN 338 to Present; 10K-42 SN 109 to Present; 10K-54 SN 115 to Present)



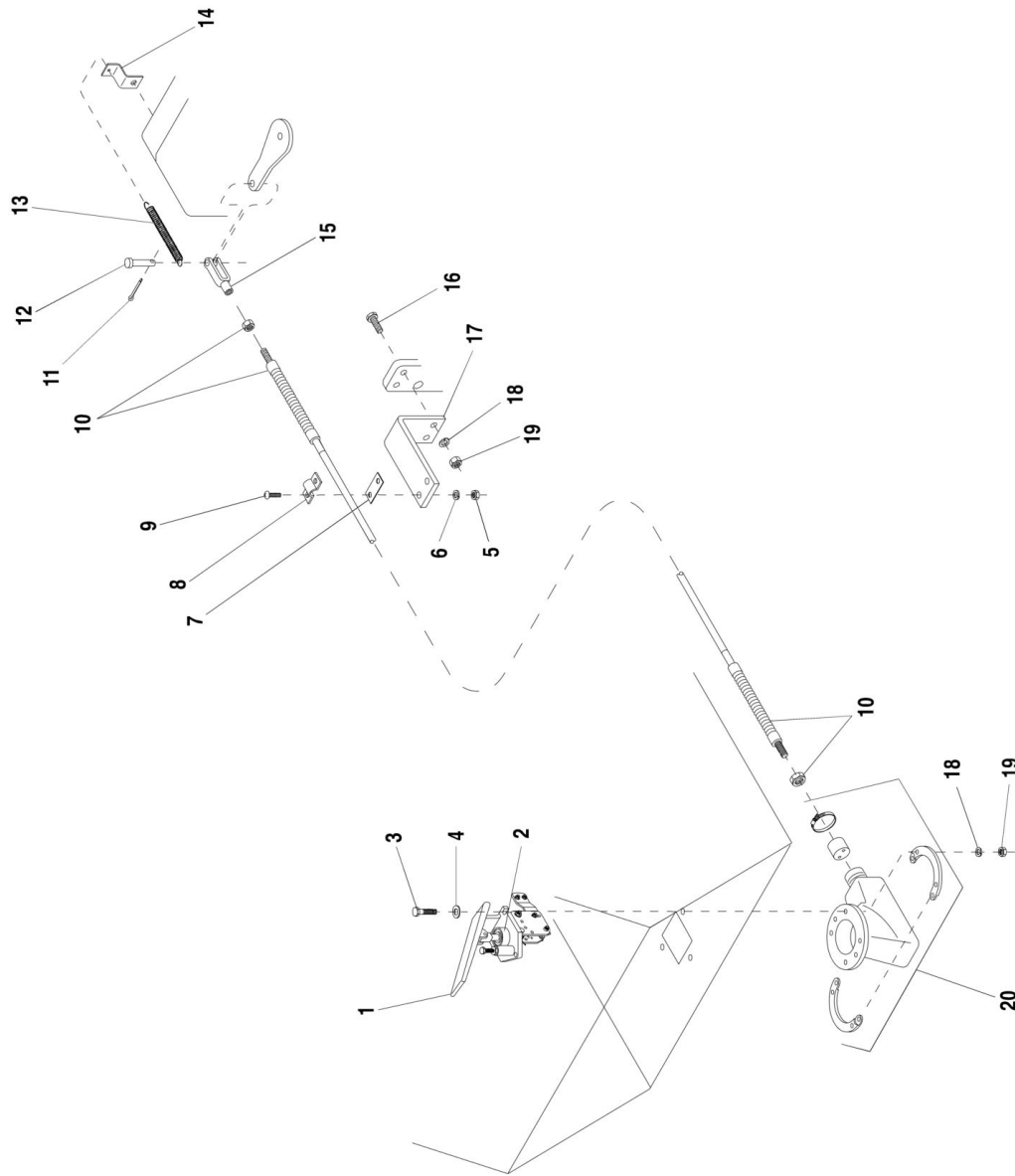
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FIGURE 2-43. RADIATOR GROUP ASSEMBLY (CUMMINS 4BT3.9) (1044C-42,1044C-54,10K-42,10K-54,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 1350 to Present; 644B-42 SN 396 to Present; 844C-42 SN 1413 to Present; 1044C-42 SN 127 to Present; 1044C-54 SN 327 to Present; 6K-37 SN 515 to Present; 6K-42 SN 180 to Present; 8K-42 SN 338 to Present; 10K-42 SN 109 to Present; 10K-54 SN 115 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P10601	4	Hose Clamp	
2	66907B	1	Radiator Hose, Upper	
3	66908B	1	Radiator Hose, Lower	
4	P00202	6	Capscrew, Hx, 3/8in-16 x 3/4in	
5	P01310	12	Lockwasher, 3/8in	
6	P01404	14	Flatwasher, 3/8in	
7	P00102	6	Capscrew, Hx, 5/16in-18 x 3/4in	
8	P01358	6	Starwasher, 5/16in	
9	P01403	6	Flatwasher, 5/16in	
10	15845B	2	Rubber Grommet	
11	P00204	2	Capscrew, Hx, 3/8in-16 x 1in	
12	P01508	6	Nut, Hx, 3/8in-16	
13	65160A	1	Support Bracket	
14	39460C	1	Radiator, Crossflow (Includes Items 15, 16 & 17)	
15	37768X	1	Cap, Radiator	
16	P16675	1	Drain Cock	
17	67128A-47	1	Hose, Recovery Tank	
18	P17989	3	Cable Tie	
19	36491B	1	Recovery Tank, Coolant	
20	67128A-35	1	Hose, Drain	
21	P01506	2	Nut, Hx, 1/4in-20	
22	P01308	2	Lockwasher, 1/4in	
23	10700205	4	Capscrew, Hx, 3/8in-16 x 1 1/4in	
24	P01402	2	Flatwasher, 1/4in	
25	P01406	2	Flatwasher, 1/2in	
26	P01312	2	Lockwasher, 1/2in	
27	P01510	2	Nut, Hx, 1/2in-13	
28	P24305	2	Bushing	
29	P24306	2	Grommet	
30	36288B	2	Support, Radiator	
31	65024D	1	Fan Shroud, Plastic	
32	38470B	1	Fan Guard	

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FIGURE 2-44. THROTTLE GROUP ASSEMBLY (CUMMINS 4BT3.9) (1044C-42,1044C-54,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 101 through 402, Excluding 375; 644B-42 SN 101 through 124844C; 1044C-42 SN 101 through 106; 1044C-54 SN 101 through 104; 6K-37 SN 101 through 215; 6K-42 SN 101 through 106; 8K-42 SN 11 through 171)



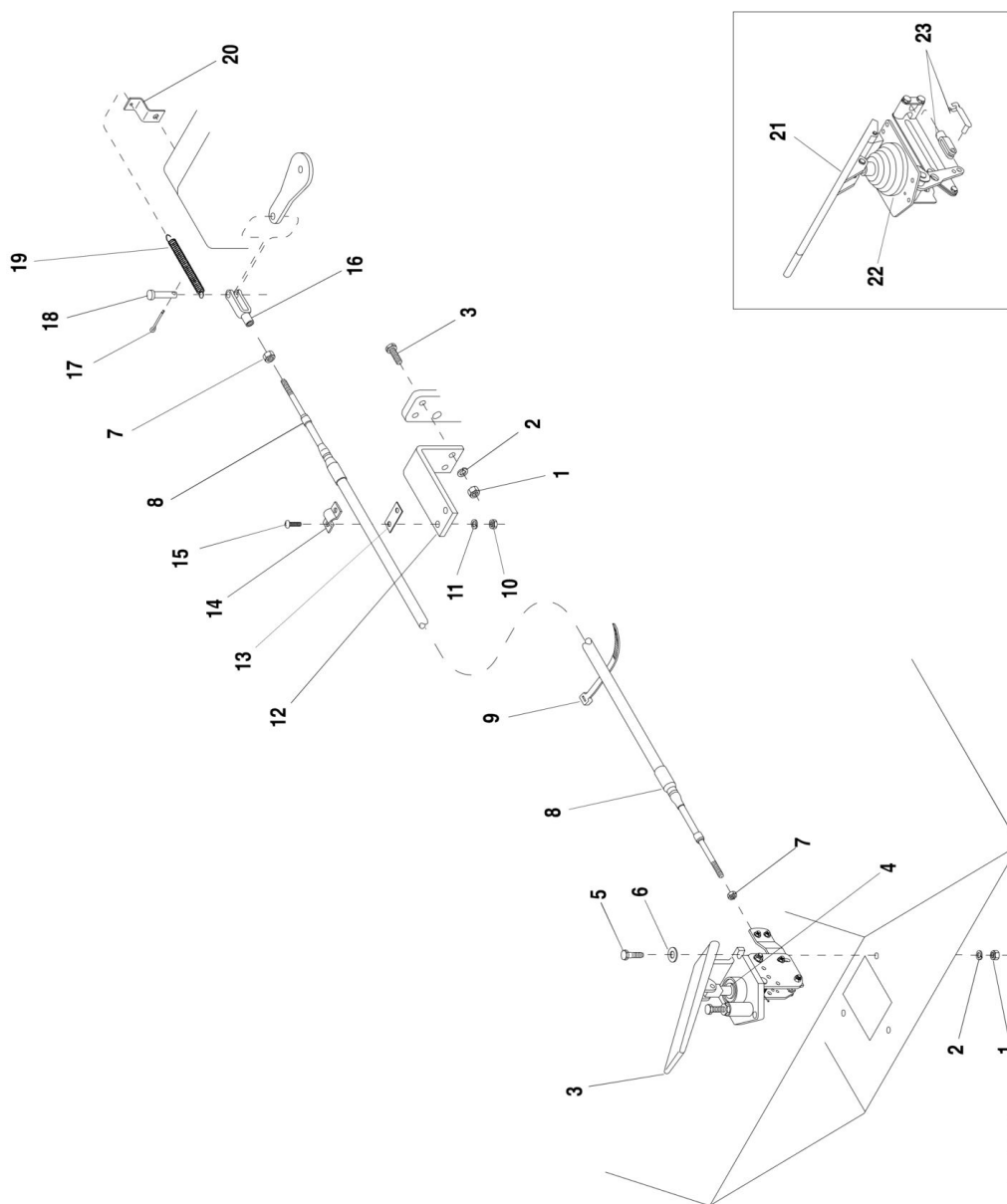
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FIGURE 2-44. THROTTLE GROUP ASSEMBLY (CUMMINS 4BT3.9) (1044C-42,1044C-54,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 101 through 402, Excluding 375; 644B-42 SN 101 through 124844C; 1044C-42 SN 101 through 106; 1044C-54 SN 101 through 104; 6K-37 SN 101 through 215; 6K-42 SN 101 through 106; 8K-42 SN 11 through 171)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	16461A	1	Accelerator Pedal (Includes Item 2)	
2	P20069	1	Bellows	
3	P00006	3	Capscrew, Hx, 1/4in-20 x 1 1/4in	
4	P01402	2	Flatwasher, 1/4in	
5	P01504	2	Nut, Hx, #10-24	
6	P01306	2	Lockwasher, #10	
7	16401A	1	Shim, Cable Clamp	
8	14383A	1	Clamp, Cable	
9	P02057	2	Screw, Slotted Rd Hd, #10-24 x 3/4in	
10	P29629	1	Cable, Throttle - 114in Long (Supersedes 16462A - P19264 / 96in Long)	
11	P03823	1	Cotter Pin, 3/32in x 3/4in	
12	P10512	1	Clevis Pin, 1/4in x 1in	
13	P21260	1	Spring	
14	66261A	1	Anchor, Spring (Offset)	
14	17786A	-	Anchor, Spring (Straight)	
15	P10508	1	Clevis	
16	P00003	2	Capscrew, Hx, 1/4in-20x 3/4in	
17	35422B	1	Bracket, Throttle Cable - Turbo (Shown)	
17	38934B	-	Bracket, Throttle Cable - Natural (Supersedes 34224B)	
18	P01308	5	Lockwasher, 1/4in	
19	P01506	5	Nut, Hx, 1/4in-20	
20	16466A	1	Boot Guard, Pedal	

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FIGURE 2-45. THROTTLE GROUP ASSEMBLY (CUMMINS 4BT3.9) (1044C-42,1044C-54,10K-42,10K-54,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 403 through 968, Including 375; 644B-42 SN 125 through 362; 844C-42 SN 292 through 818; 1044C-42 SN 107 through 122; 1044C-54 SN 105 through 268; 6K-37 SN 216 through 531; 6K-42 SN 107 through 192; 8K-42 SN 172 through 258; 10K-42 SN 101 through 108; 10K-54 SN 101 through 108)



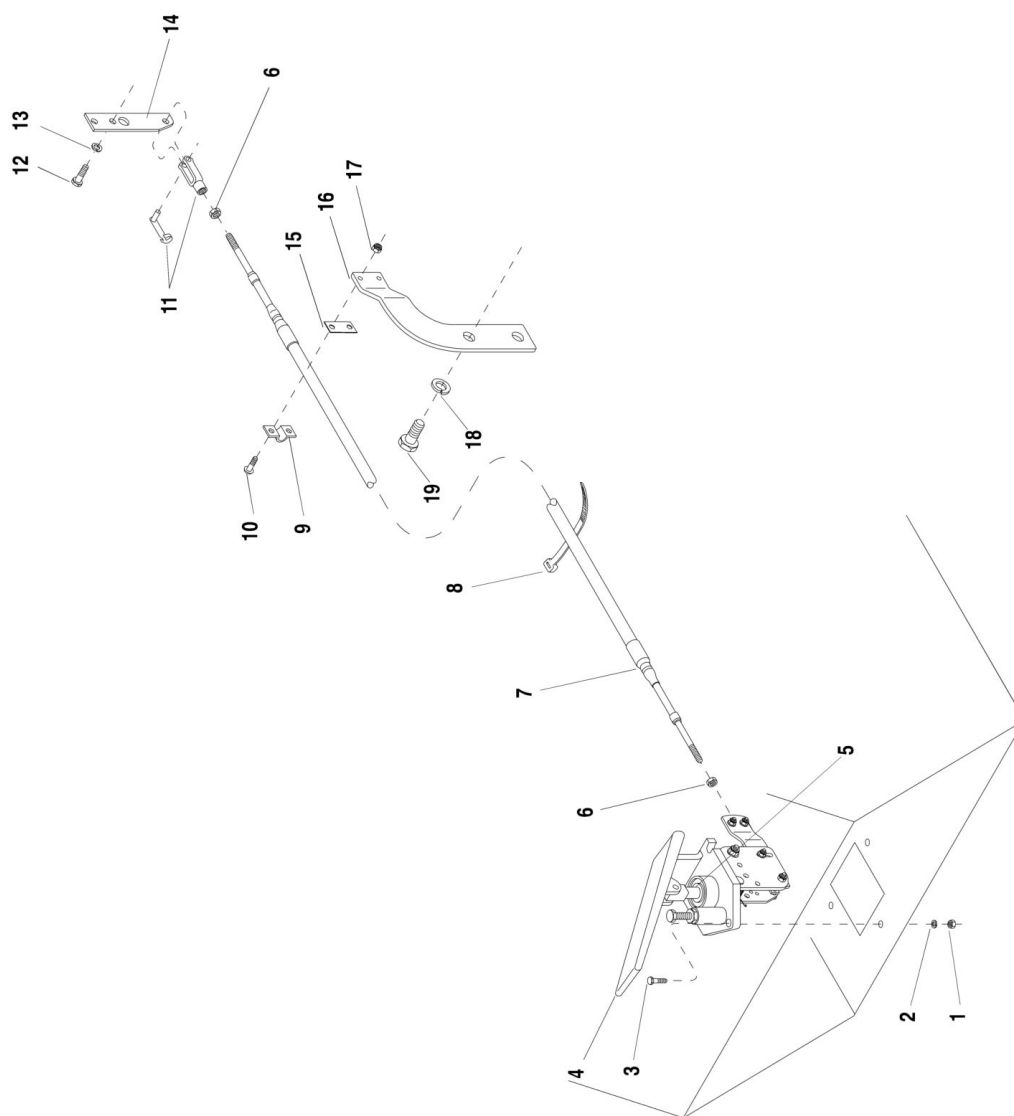
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FIGURE 2-45. THROTTLE GROUP ASSEMBLY (CUMMINS 4BT3.9) (1044C-42,1044C-54,10K-42,10K-54,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 403 through 968, Including 375; 644B-42 SN 125 through 362; 844C-42 SN 292 through 818; 1044C-42 SN 107 through 122; 1044C-54 SN 105 through 268; 6K-37 SN 216 through 531; 6K-42 SN 107 through 192; 8K-42 SN 172 through 258; 10K-42 SN 101 through 108; 10K-54 SN 101 through 108)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P01506	5	Nut, Hx, 1/4in-20	
2	P01308	5	Lockwasher, 1/4in	
3	16461A	1	Accelerator Pedal (Includes Item 4) (Replaces 37378X)	
4	P20069	1	Bellows	
5	P00003	5	Capscrew, Hx, 1/4in-20 x 3/4in	
6	P01402		Flatwasher, 1/4in	
7	P01529	2	Nut, Hx, 1/4in-28	
8	37380X	1	Cable, Throttle - 114in Long	
9	P20496	4	Cable Tie	
10	P01504	2	Nut, Hx, #10-24	
11	P01306	2	Lockwasher, #10	
12	35422B	1	Bracket, Throttle Cable - Turbo	
13	16401A	1	Shim, Cable Clamp	
14	14383A	1	Clamp, Cable	
15	P02057	2	Screw, Slotted Rd Hd, #10-24 x 3/4in	
16	P10508	1	Clevis	
17	P03823	1	Cotter Pin, 3/32in x 3/4in	
18	P10512	1	Clevis Pin, 1/4in x 1in	
19	P21260	1	Spring	
20	66261A	1	Anchor, Spring (Offset)	
20	17786A	-	Anchor, Spring (Straight)	
21	N.L.A.		Accelerator Pedal (Note: Order Item 3 for Replacement)	
22	37567X	1	Bellows	
23	38818A	1	Yoke end w/ Spring Pin	

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FIGURE 2-46. THROTTLE GROUP ASSEMBLY (CUMMINS 4BT3.9) (1044C-42,1044C-54,10K-42,10K-54,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 969 to Present; 644B-42 SN 363 to Present; 844C-42 SN 819 to Present; 1044C-42 SN 123 to Present; 1044C-54 SN 269 to Present; 6K-37 SN 532 to Present; 6K-42 SN 193 to Present; 8K-42 SN 259 to Present; 10K-54 SN 109 to Present)



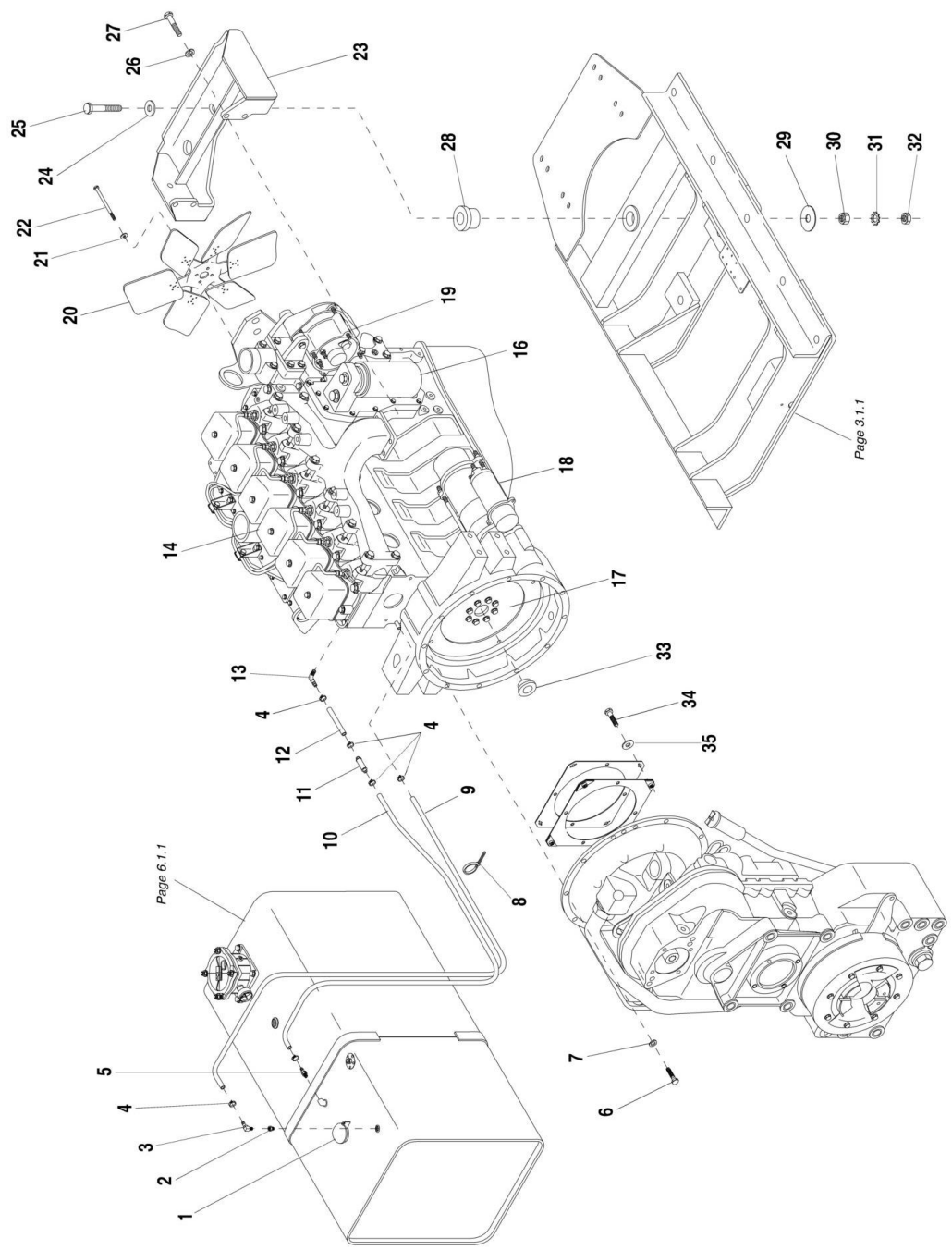
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FIGURE 2-46. THROTTLE GROUP ASSEMBLY (CUMMINS 4BT3.9) (1044C-42,1044C-54,10K-42,10K-54,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 969 to Present; 644B-42 SN 363 to Present; 844C-42 SN 819 to Present; 1044C-42 SN 123 to Present; 1044C-54 SN 269 to Present; 6K-37 SN 532 to Present; 6K-42 SN 193 to Present; 8K-42 SN 259 to Present; 10K-54 SN 109 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P01506	5	Nut, Hx, 1/4in-20	
2	P01308	5	Lockwasher, 1/4in	
3	P00003	5	Capscrew, Hx, 1/4in-20 x 3/4in	
4	P19263	1	Accelerator Pedal (Includes Item 5)	
5	P20069	1	Bellows	
6	P01529	2	Nut, Hx, 1/4in-28	
7	37380X	1	Cable, Throttle - 114in Long	
8	P20496	4	Cable Tie	
9	14383A	1	Clamp, Cable	
10	10703038	2	Screw, Slotted Rd Hd, #10-24 x 3/4in	
11	38818A	1	Yoke end w/ Spring Pin	
12	P04053	2	Capscrew, Hx, M6-1 x 16mm	
13	P04606	2	Lockwasher, M6	
14	65925A	1	Extension, Throttle Lever	
15	16401A	1	Shim, Cable Clamp	
16	10165928	1	Bracket, Throttle Cable	
17	10701654	2	Nut, Hx, #10-24	
18	P04609	2	Lockwasher, M12	
19	P04201	2	Capscrew, Hx, M12-1.75 x 20mm 8.8	

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FIGURE 2-47. ENGINE MOUNTING AND FUEL LINES (CUMMINS 6B5.9)



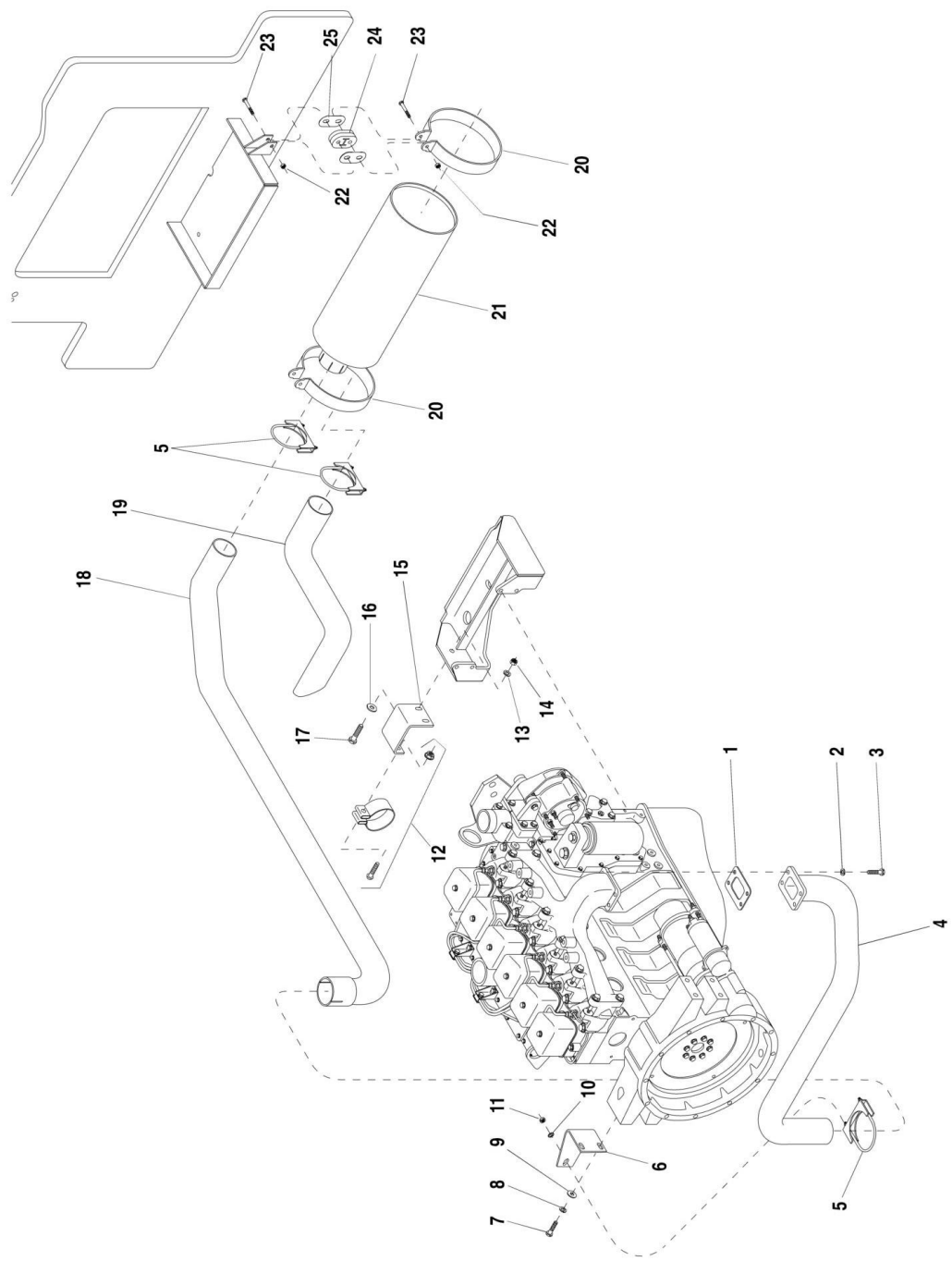
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FIGURE 2-47. ENGINE MOUNTING AND FUEL LINES (CUMMINS 6B5.9)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P12182	Ref	Fuel Cap	
2	P10690	1	Reducer Bushing	
3	P20830	1	90, Elbow, Pipe to Hose	
4	P14047	6	Hose Clamp, Fuel Line	
5	37557X	1	Adapter, Pipe to Hose (Replaces P13619)	
6	P04155	9	Capscrew, Hx, M10-1.5 x 35mm	
6	P04154	3	Capscrew, Hx, M10-1.5 x 30mm	
7	P04608	12	Lockwasher, M10	
8	P17989	2	Cable Tie	
9	39353A	1	Hose, Fuel Return - 3/16in I.D.	
10	N11437	1	Hose, Fuel Supply - 5/16in I.D.	
11	P32691	1	Fuel Filter, Inline	
12	N11441	1	Hose, Fuel	
13	P21236	1	90, Elbow, Pipe to Hose	
14	N.S.S.	-	Engine, 6 Cylinder Diesel - Cummins Natural	
15	37971X	Ref	Fuel Filter, Water Separator (Note: Not Illustrated)	
15	37972X	Ref	Fuel Filter, Secondary (Note: Not Illustrated)	
16	37966X	Ref	Oil Filter	
17	P33140	Ref	Flywheel	
18	P32572	Ref	Starting Motor	
19	7029525	Ref	Alternator	
20	37114X	1	Fan Blade, Blower	
21	P04630	4	Flatwasher, M8	
22	P04118	4	Capscrew, Hx, M8-1.25 x 110mm	
23	38426B	1	Mounting Bracket, Engine	
24	P01408	1	Flatwasher, 5/8in	
25	P00690	1	Capscrew, Hx, 5/8in-18 x 3 3/4in	
26	P04609	4	Lockwasher, M12	
27	P04205	4	Capscrew, Hx, M12-1.75 x 40mm	
28	P18181	1	Rubber Mount, Engine	
29	15618A	1	Snubbing Washer	
30	P01535	1	Nut, Hx, 5/8in-18	
31	P01363	1	Starwasher, 5/8in	
32	P01585	1	Jam Nut, Hx, 5/8in-18	
33	35166A	1	Centering Sleeve	
34	P04874	4	Capscrew, Socket Hd, M10-1.5 x 40mm	
35	P32150	4	Flatwasher, M10 - Small O.D.	

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FIGURE 2-48. EXHAUST ASSEMBLY (CUMMINS 6B5.9)



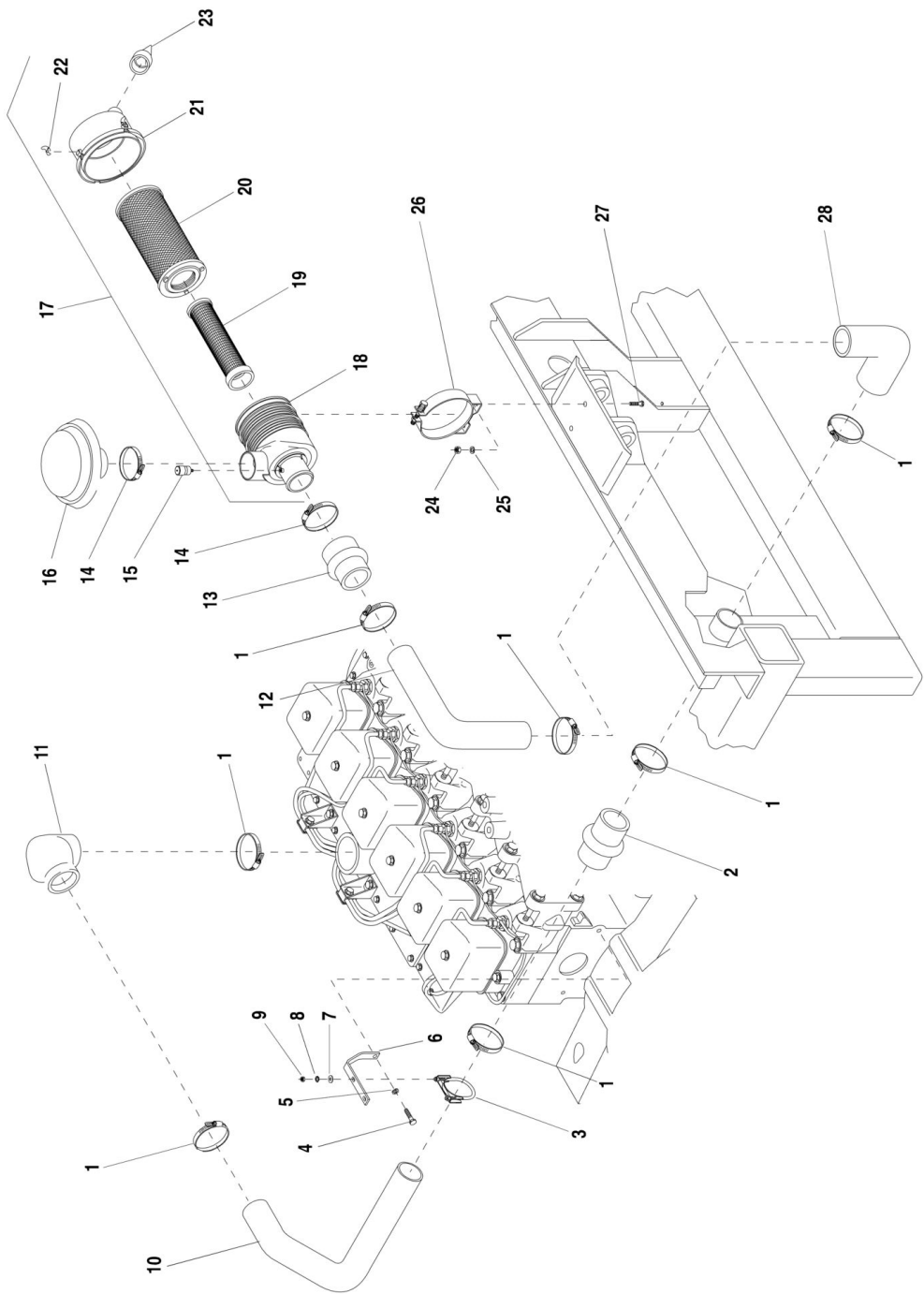
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FIGURE 2-48. EXHAUST ASSEMBLY (CUMMINS 6B5.9)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	37381X	1	Gasket, Exhaust Flange	
2	P04608	4	Lockwasher, M10	
3	P04154	4	Capscrew, Hx, M10-1.5 x 30mm C8.8	
4	38897B	1	Exhaust Pipe, Manifold	
5	P17169	3	Muffler Clamp	
6	39093A	1	Support Bracket, Exhaust	
7	P04201	2	Capscrew, Hx, M12-1.75 x 20mm	
8	P04609	2	Lockwasher, M12	
9	P04632	2	Flatwasher, M12	
10	P01359	2	Starwasher, 3/8in External	
11	P01558	2	Jam Nut, Hx, 3/8in-16	
12	37475X	1	Seal Clamp, Exhaust	
13	P01310	2	Lockwasher, 3/8in	
14	P01508	2	Nut, Hx, 3/8in-16	
15	36405A	1	Bracket, Exhaust Clamp	
16	P01404	2	Flatwasher, 3/8in	
17	P00205	2	Capscrew, Hx, 3/8in-16 x 1 1/4in	
18	39092B	1	Pipe, Exhaust	
19	36412A	1	Pipe, Tail	
20	39876A	2	Mounting Ring, Muffler (Includes 1 each of Items 22 & 23)	
21	P32697	1	Muffler	
22	P01680	4	Locknut, Hx, 5/16in-24	
23	P00158	4	Capscrew, Hx, 5/16in-24 x 2in	
24	P32982	2	Exhaust Hanger, Rubber	
25	39922A	4	Link, Hanger Support	

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FIGURE 2-49. AIR CLEANER ASSEMBLY (CUMMINS 6B5.9)



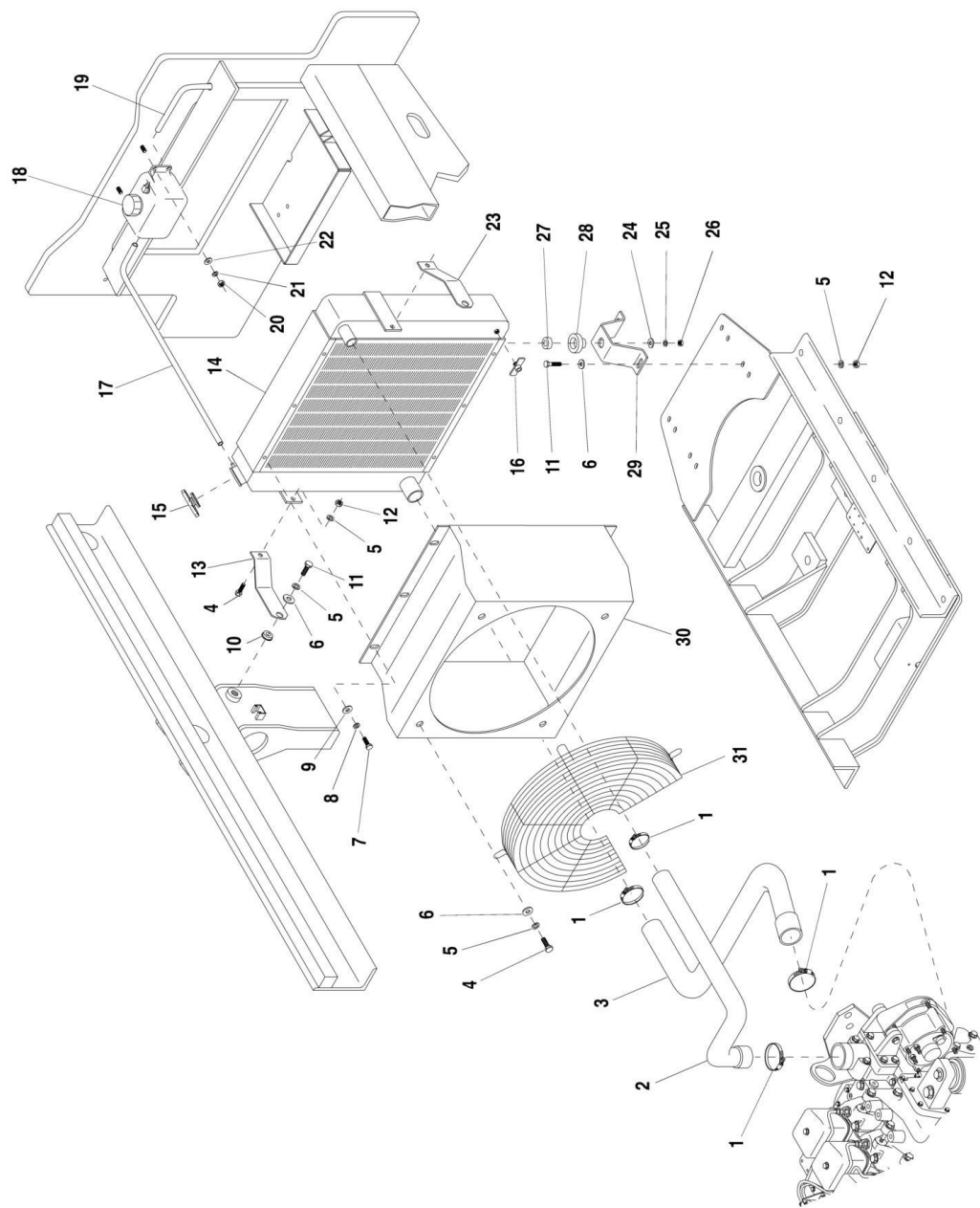
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FIGURE 2-49. AIR CLEANER ASSEMBLY (CUMMINS 6B5.9)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P10553	7	Hose Clamp, #48	
2	36982X	1	Hump Adapter	
3	P17169	1	Clamp, Intake Tube	
4	P04202	1	Capscrew, Hx, M12-1.75 x 25mm	
5	P04609	1	Lockwasher, M12	
6	38895A	1	Hanger, Intake Tube	
7	P01404	2	Flatwasher, 3/8in	
8	P01359	2	Starwasher, 3/8in	
9	P01558	2	Jam Nut, Hx, 3/8in-16	
10	38050B	1	Tube, Intake to Frame	
11	P31594	1	Elbow, Intake	
12	36399B	1	Tube, Frame to Air Cleaner	
13	P33143	1	Hump Reducer	
14	P19267	2	Hose Clamp, #64	
15	P21485	1	Service Indicator (Includes Fitting)	
16	P33146	1	Hood, Air Inlet	
17	P33141	1	Air Cleaner (Includes Items 18-23)	
18	N.S.S.	1	Body	
19	P33181	1	Filter Element, Safety	
20	P33180	1	Filter Element, Primary	
21	P33182	1	Cover	
22	P33184	3	Latch	
23	P33183	1	Vacuator Valve	
24	P01507	2	Nut, Hx, 5/16in-18	
25	P01309	2	Lockwasher, 5/16in	
26	P33142	1	Mounting Band	
27	P00102	2	Capscrew, Hx, 5/16in-18 x 3/4in	
28	P20854	1	90, Elbow, Rubber	
		Ref	N.S.S.= Not Sold Separately	

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FIGURE 2-50. RADIATOR GROUP ASSEMBLY (CUMMINS 6B5.9)



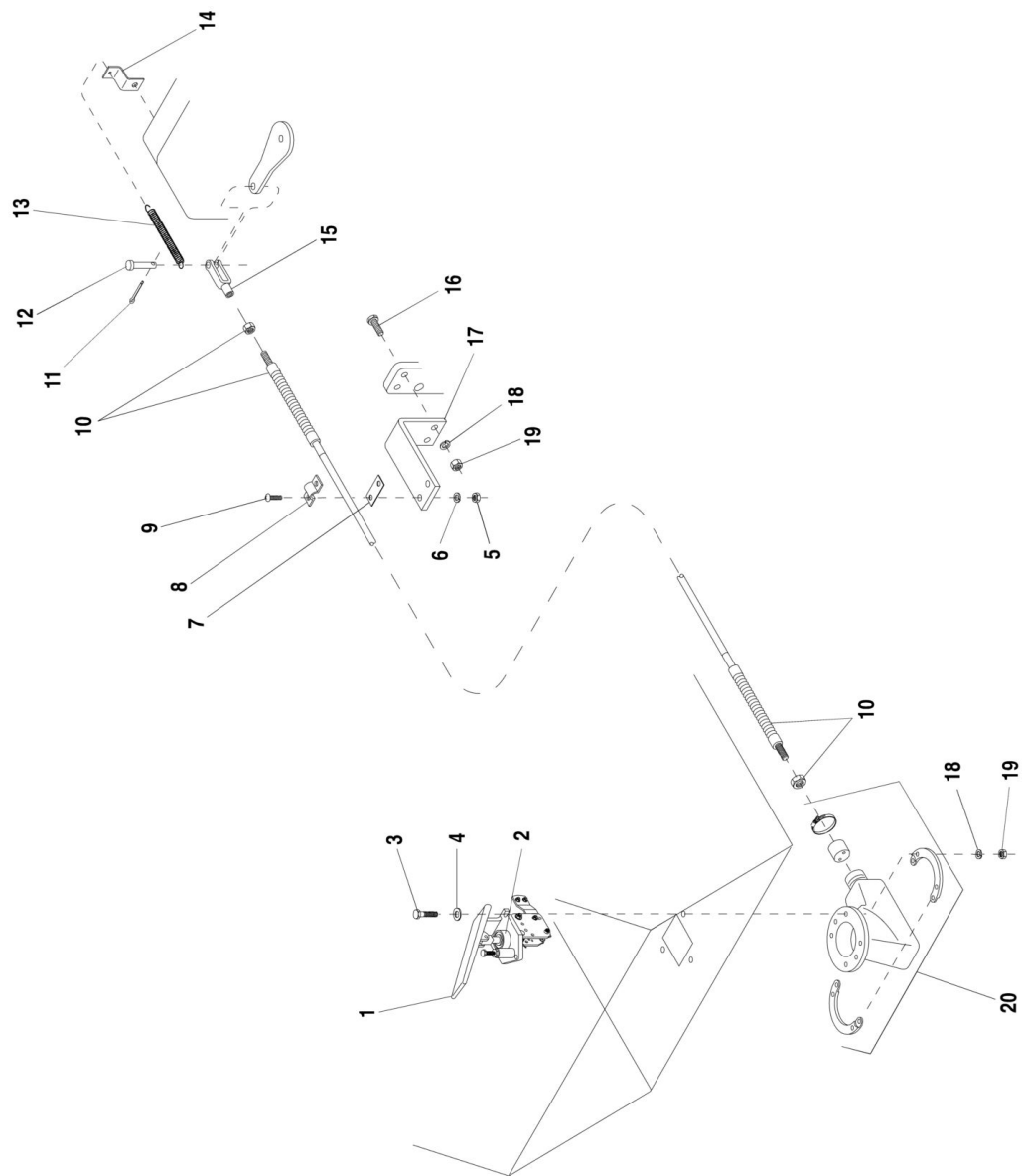
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FIGURE 2-50. RADIATOR GROUP ASSEMBLY (CUMMINS 6B5.9)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P10601	4	Hose Clamp	
2	38061B	1	Radiator Hose, Upper	
3	38060B	1	Radiator Hose, Lower	
4	P00202	4	Capscrew, Hx, 3/8in-16 x 3/4in	
5	P01310	14	Lockwasher, 3/8in	
6	P01404	10	Flatwasher, 3/8in	
7	P00102	6	Capscrew, Hx, 5/16in-18 x 3/4in	
8	P01309	6	Lockwasher, 5/16in	
9	P01403	6	Flatwasher, 5/16in	
10	15845B	2	Rubber Grommet	
11	P00204	4	Capscrew, Hx, 3/8in-16 x 1in	
12	P01508	6	Nut, Hx, 3/8in-16	
13	38910B	1	Support Bracket, R.H.	
14	36043C	1	Radiator, Crossflow (Includes Items 15, 16 & 17)	
15	P25365	1	Cap, Radiator	
16	P16675	1	Drain Cock	
17	N12347	1	Hose, Recovery Tank	
18	36491B	1	Recovery Tank, Coolant	
19	N12348	1	Hose, Drain	
20	P01506	2	Nut, Hx, 1/4in-20	
21	P01308	2	Lockwasher, 1/4in	
22	P01402	2	Flatwasher, 1/4in	
23	38911B	1	Support Bracket, L.H.	
24	P01406	2	Flatwasher, 1/2in	
25	P01312	2	Lockwasher, 1/2in	
26	P01510	2	Nut, Hx, 1/2in-13	
27	P24306	2	Grommet	
28	P24305	2	Bushing	
29	36288B	2	Support, Radiator	
30	65024D	1	Fan Shroud, Plastic (Supersedes 36207B)	
31	38470B	1	Fan Guard	
32	P00205		Capscrew, Hx, 3/8in-16 x 1 1/4in	

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**FIGURE 2-51. THROTTLE GROUP ASSEMBLY (CUMMINS 6B5.9) (1044C-42,1044C-54,844C-42,8K-42)
(844C-42 SN 101 through 291; 1044C-42 SN 101 through 106; 1044C-54 SN 101 through 104; 8K-42
SN 101 through 171)**



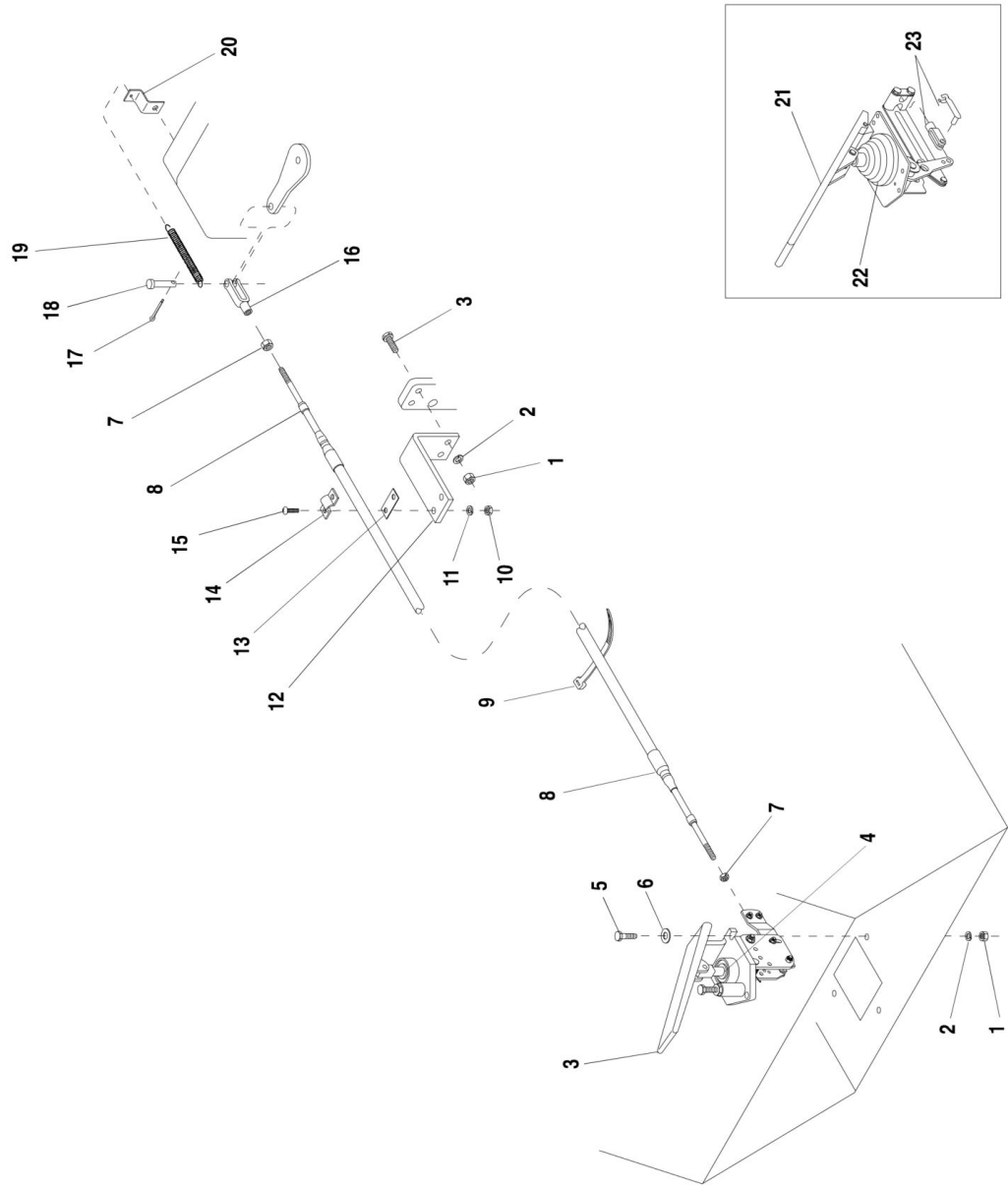
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**FIGURE 2-51. THROTTLE GROUP ASSEMBLY (CUMMINS 6B5.9) (1044C-42,1044C-54,844C-42,8K-42)
(844C-42 SN 101 through 291; 1044C-42 SN 101 through 106; 1044C-54 SN 101 through 104; 8K-42
SN 101 through 171)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	16461A	1	Accelerator Pedal (Includes Item 2)	
2	P20069	1	Bellows	
3	P00006	3	Capscrew, Hx, 1/4in-20 x 1 1/4in	
4	P01402	2	Flatwasher, 1/4in	
5	P01504	2	Nut, Hx, #10-24	
6	P01306	2	Lockwasher, #10	
7	16401A	1	Shim, Cable Clamp	
8	14383A	1	Clamp, Cable	
9	P02057	2	Screw, Slotted Rd Hd, #10-24 x 3/4in	
10	P29629	1	Cable, Throttle - 114in Long (Supersedes 16462A - P19264 / 96in Long)	
11	P03823	1	Cotter Pin, 3/32in x 3/4in	
12	P10512	1	Clevis Pin, 1/4in x 1in	
13	P21260	1	Spring	
14	66261A	1	Anchor, Spring (Offset)	
14	17786A	-	Anchor, Spring (Straight)	
15	P10508	1	Clevis	
16	P00003	2	Capscrew, Hx, 1/4in-20 x 3/4in	
17	35422B	1	Bracket, Throttle Cable - Turbo (Shown)	
17	38934B	-	Bracket, Throttle Cable - Natural (Supersedes 34224B)	
18	P01308	5	Lockwasher, 1/4in	
19	P01506	5	Nut, Hx, 1/4in-20	
20	16466A	1	Boot Guard, Pedal	

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FIGURE 2-52. THROTTLE GROUP ASSEMBLY (CUMMINS 6B5.9) (1044C-42,1044C-54,10K-42,10K-54,844C-42,8K-42) (844C-42 SN 292 to Present; 1044C-42 SN 107 to Present; 1044C-54 SN 105 to Present; 8K-42 SN 172 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)



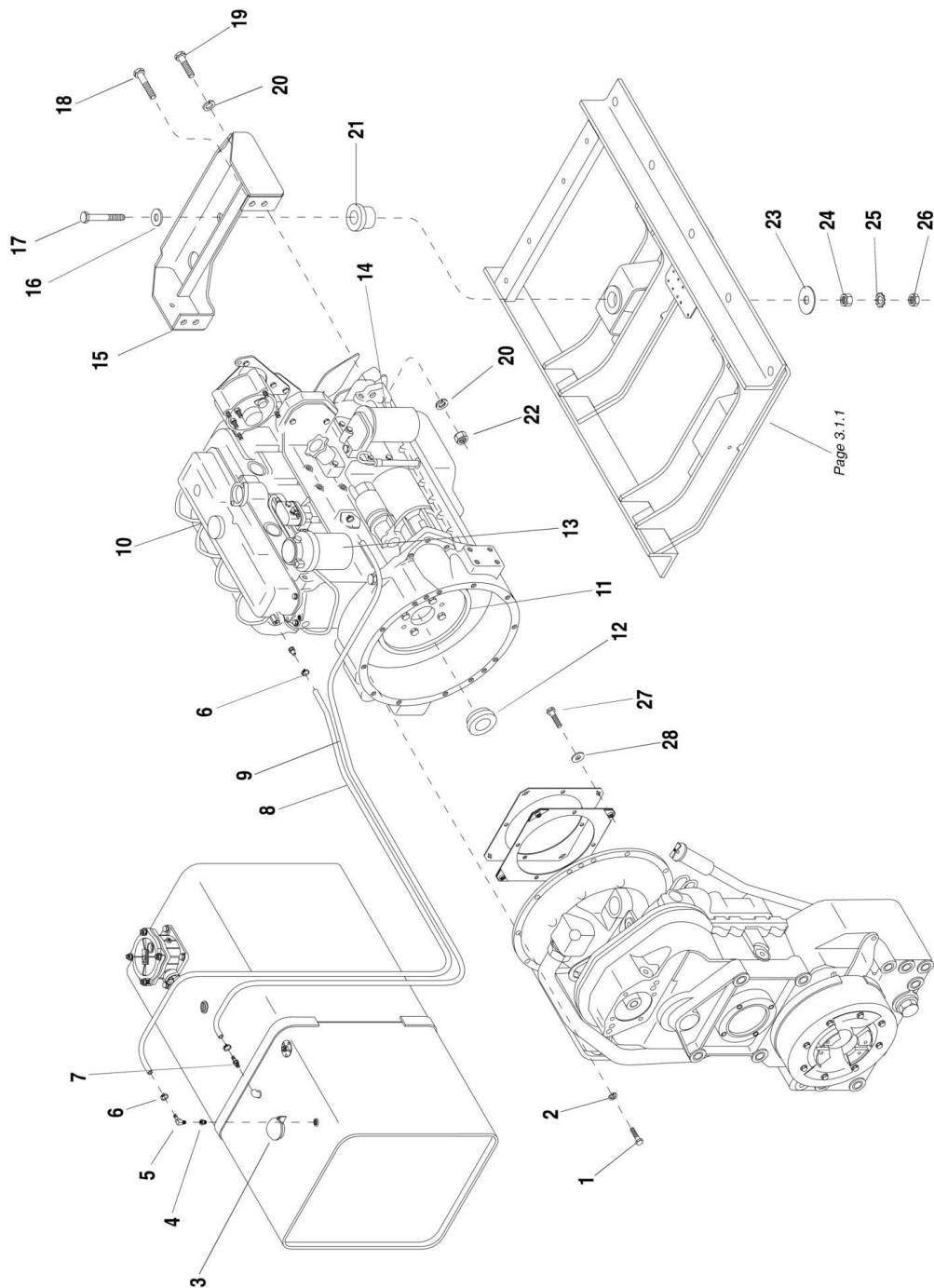
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FIGURE 2-52. THROTTLE GROUP ASSEMBLY (CUMMINS 6B5.9) (1044C-42,1044C-54,10K-42,10K-54,844C-42,8K-42) (844C-42 SN 292 to Present; 1044C-42 SN 107 to Present; 1044C-54 SN 105 to Present; 8K-42 SN 172 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P01506	5	Nut, Hx, 1/4in-20	
2	P01308	5	Lockwasher, 1/4in	
3	16461A	1	Accelerator Pedal (Includes Item 4) (Replaces 37378X)	
4	P20069	1	Bellows	
5	P00003	5	Capscrew, Hx, 1/4in-20 x 3/4in	
6	P01402	3	Flatwasher, 1/4in	
7	P01529	2	Nut, Hx, 1/4in-28	
8	37380X	1	Cable, Throttle - 114in Long	
9	P20496	4	Cable Tie	
10	P01504	2	Nut, Hx, #10-24	
11	P01306	2	Lockwasher, #10	
12	35422B	1	Bracket, Throttle Cable - Turbo (Shown)	
12	38934B	-	Bracket, Throttle Cable - Natural	
13	16401A	1	Shim, Cable Clamp	
14	14383A	1	Clamp, Cable	
15	P02057	2	Screw, Slotted Rd Hd, #10-24 x 3/4in	
16	P10508	1	Clevis	
17	P03823	1	Cotter Pin, 3/32in x 3/4in	
18	P10512	1	Clevis Pin, 1/4in x 1in	
19	P21260	1	Spring	
20	66261A	1	Anchor, Spring (Offset)	
20	17786A	-	Anchor, Spring (Straight)	
21	N.L.A.	-	Accelerator Pedal (Note: Order Item 3 for Replacement)	
22	37567X	1	Bellows	
23	38818A	1	Yoke end w/ Spring Pin	

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FIGURE 2-53. ENGINE MOUNTING AND FUEL LINES (DEERE 4045D) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 1197 to Present; 644B-42 SN 334 to Present; 6K-37 SN 488 to Present; 6K-42 SN 177 to Present)



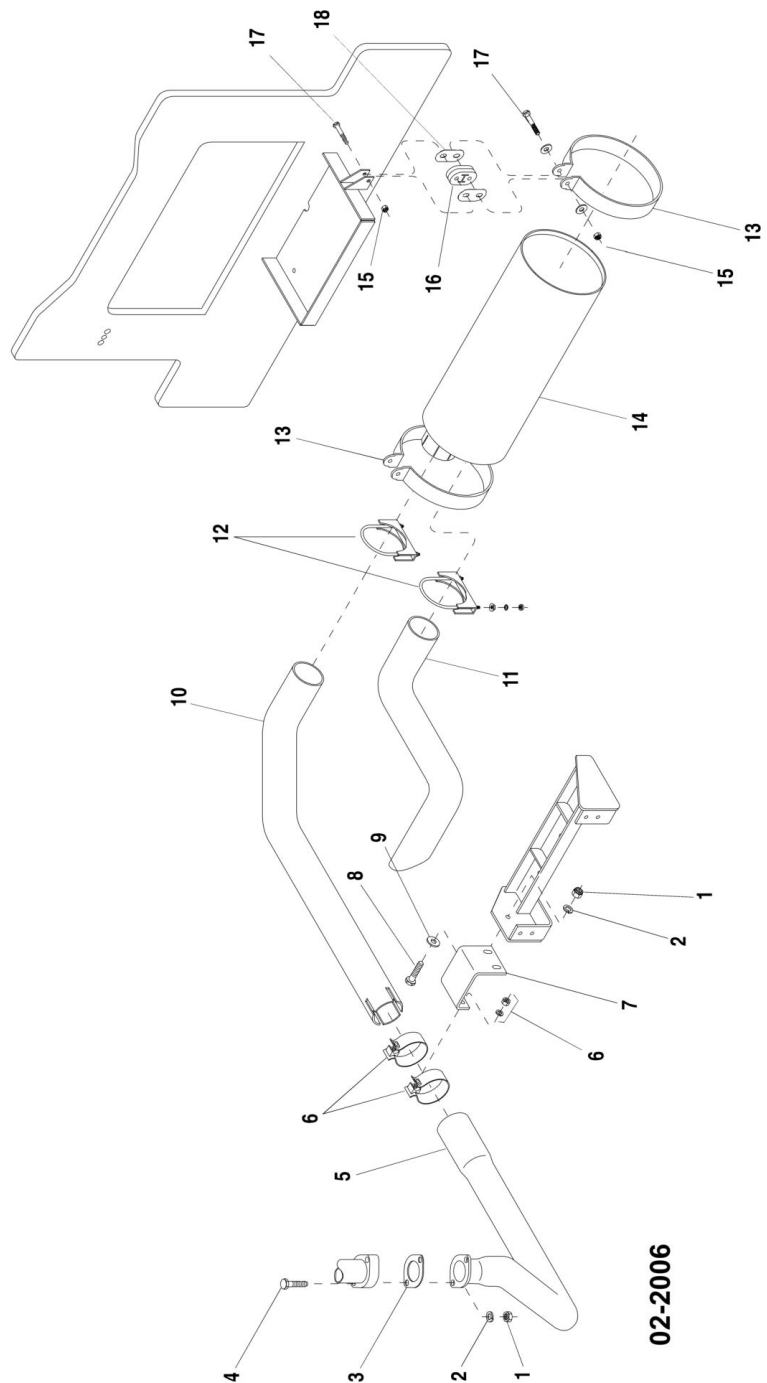
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FIGURE 2-53. ENGINE MOUNTING AND FUEL LINES (DEERE 4045D) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 1197 to Present; 644B-42 SN 334 to Present; 6K-37 SN 488 to Present; 6K-42 SN 177 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P00205	11	Capscrew, Hx, 3/8in-16 x 1 1/4in	
1	P00204	1	Capscrew, Hx, 3/8in-16 x 1in	
2	P01310	12	Lockwasher, 3/8in	
3	P12182	Ref	Fuel Cap	
4	P10690	1	Reducer Bushing	
5	P21317	1	90, Elbow, Pipe to Hose	
6	P14047	4	Hose Clamp, Fuel Line	
7	37557X	1	Adapter, Pipe to Hose	
8	N12346	1	Hose, Fuel Return - 1/4in I.D.	
9	N11437	1	Hose, Fuel Supply - 5/16in I.D.	
10	N.S.S.	1	Engine, 4 Cyl Diesel - Deere Turbo	
11	37563X	Ref	Flywheel (Includes Ring Gear and Item 12)	
12	37566X	Ref	Centering Sleeve	
13	37056X	Ref	Fuel Filter, Engine	
14	91404005	Ref	Oil Filter Element, Engine	
15	65156B	1	Mounting Bracket, Engine	
16	P01408	1	Flatwasher, 5/8in	
17	P00690	1	Capscrew, Hx, 5/8in-18 x 3 3/4in GR 8	
18	P00607	2	Capscrew, Hx, 5/8in-11 x 2 3/4in	
19	P00602	2	Capscrew, Hx, 5/8in-11 x 1 1/2in	
20	P01314	4	Lockwasher, 5/8in	
21	P18181	1	Rubber Mount, Engine	
22	P01512	2	Nut Hx, 5/8in-11	
23	15618A	1	Snubbing Washer	
24	P01535	1	Nut, Hx, 5/8in-18	
25	P01363	1	Starwasher, 5/8in	
26	P01585	1	Jam Nut, Hx, 5/8in-18	
27	P04181	4	Capscrew, Hx, M10-1.5 x 40mm C10.9	
28	P04631	4	Flatwasher, M10	
Ref	66030C	1	Engine Block Heater Kit - 1000 Watts (Optional)	
Ref	66565B	-	Engine Drain Valve (Optional)	

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FIGURE 2-54. EXHAUST ASSEMBLY (DEERE 4045D) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 1197 to Present; 644B-42 SN 334 to Present; 6K-37 SN 488 to Present; 6K-42 SN 177 to Present)



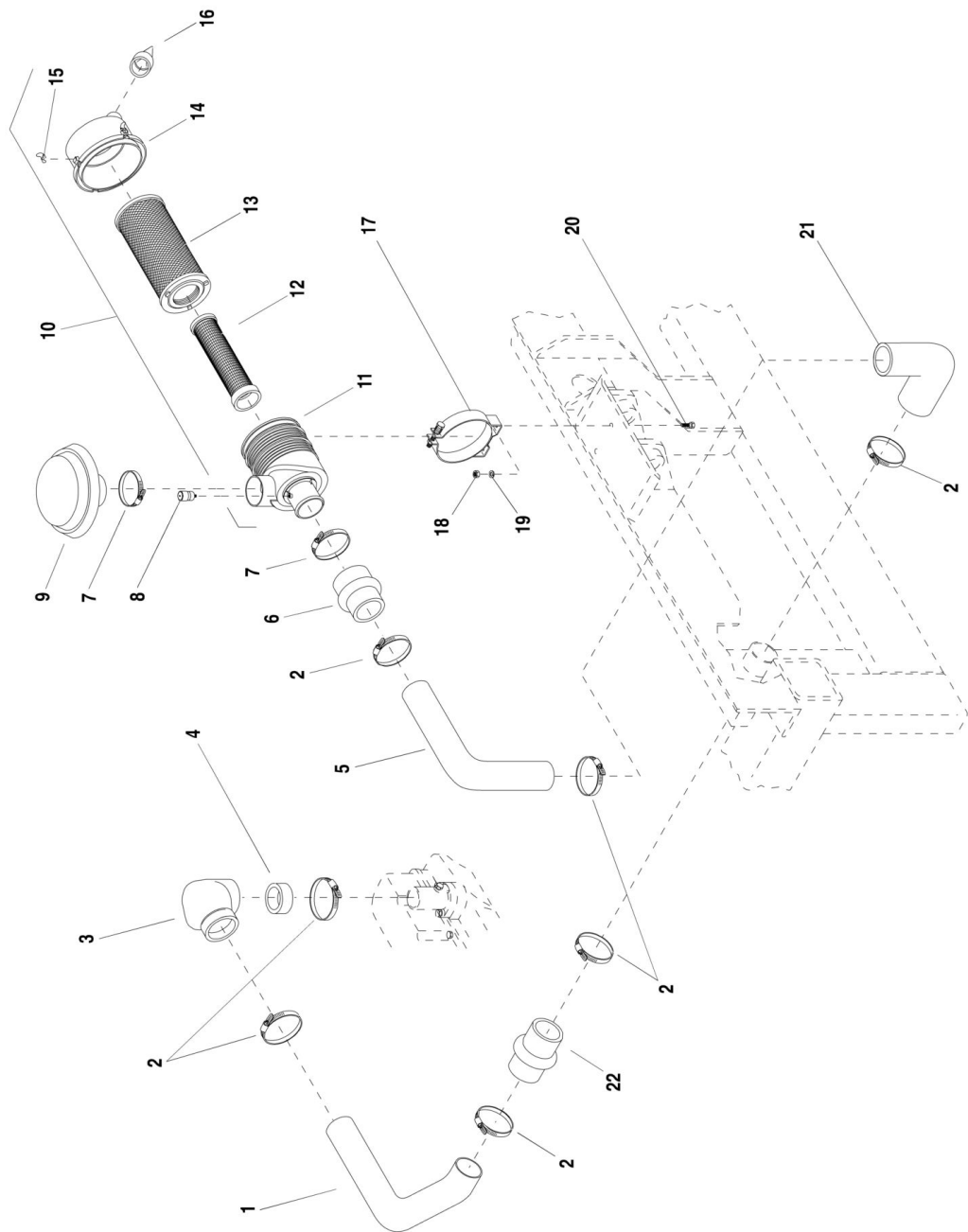
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FIGURE 2-54. EXHAUST ASSEMBLY (DEERE 4045D) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 1197 to Present; 644B-42 SN 334 to Present; 6K-37 SN 488 to Present; 6K-42 SN 177 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P01508	4	Nut Hx, 3/8in-16	
2	P01310	4	Lockwasher, 3/8in	
3	P91168	1	Gasket, Exhaust Pipe	
4	P00207	2	Capscrew, Hx, 3/8in-16 x 1 3/4in	
5	66674B	1	Pipe, Exhaust Manifold	
6	37475X	2	Seal Clamp, Exhaust	
7	36405A	1	Bracket, Exhaust Clamp	
8	P00205	2	Capscrew, Hx, 3/8in-16 x 1 1/4in	
9	P01404	2	Flatwasher, 3/8in	
10	36402A	1	Pipe, Exhaust	
11	36412A	1	Pipe, Tail	
12	P17169	2	Muffler Clamp	
13	39876A	2	Mounting Ring, Muffler (Includes 1 each of Items 15 & 17)	
14	P32697	1	Muffler	
15	P01680	4	Locknut, Hx, 5/16in-24	
16	P32982	2	Exhaust Hanger, Rubber	
17	P00158	4	Capscrew, Hx, 5/16in-24 x 2in	
18	39922A	4	Link, Hanger Support	

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FIGURE 2-55. AIR CLEANER ASSEMBLY (DEERE 4045D) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 1197 to Present; 6K-37 SN 488 to Present; 6K-42 SN 177 to Present)



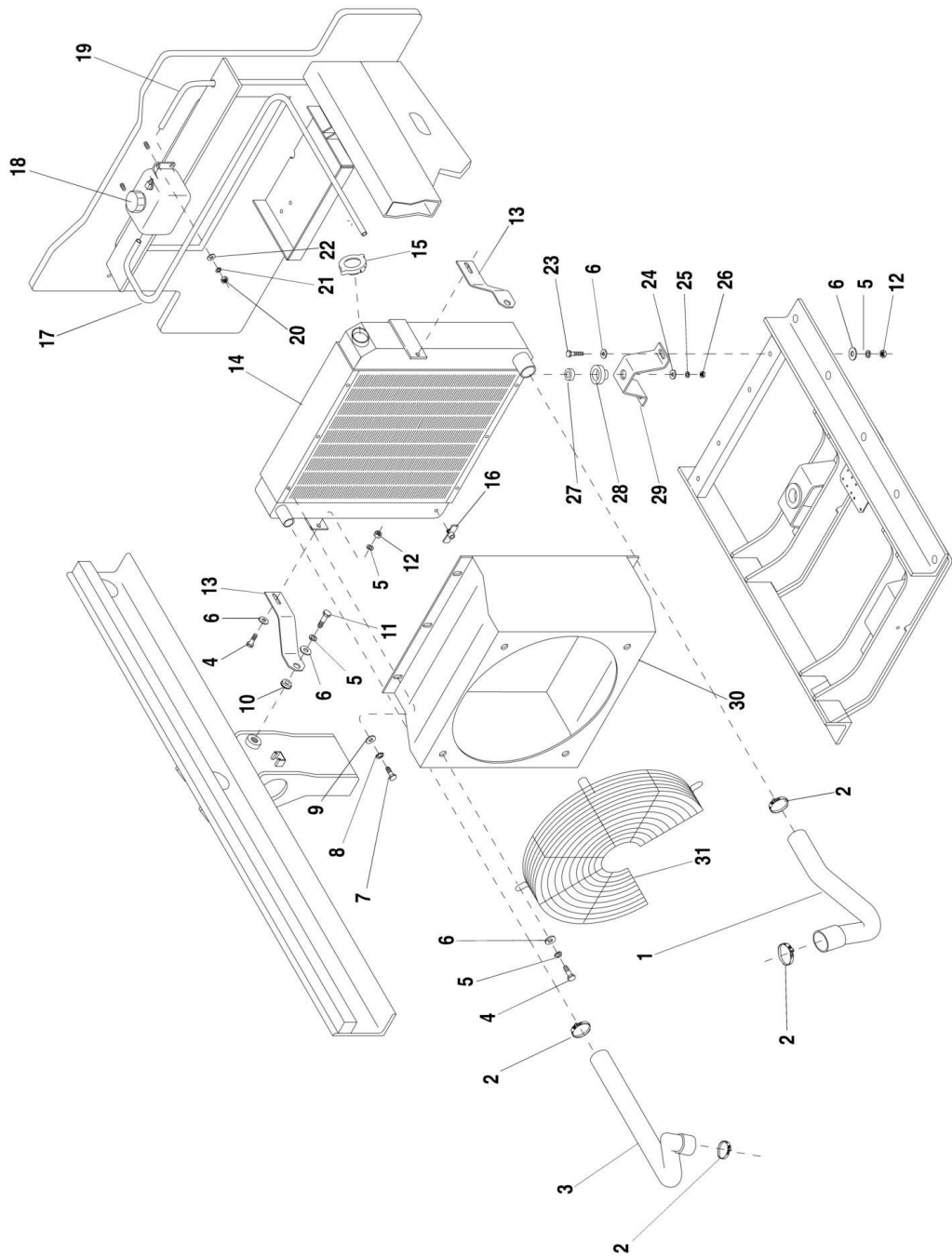
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FIGURE 2-55. AIR CLEANER ASSEMBLY (DEERE 4045D) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 1197 to Present; 6K-37 SN 488 to Present; 6K-42 SN 177 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	66675B	1	Tube, Intake to Frame	
2	P10553	7	Hose Clamp, #48	
3	37651X	1	Elbow, Intake	
4	36569X	1	Reducer, Adapter	
5	36399B	1	Tube, Frame to Air Cleaner	
6	P33143	1	Hump Reducer	
7	P19267	2	Hose Clamp, #64	
8	P21485	1	Service Indicator (Includes Fitting)	
9	P33146	1	Hood, Air Inlet	
10	P33141	1	Air Cleaner (Includes Items 11-16)	
11	N.S.S.	1	Body	
12	P33181	1	Filter Element, Safety	
13	P33180	1	Filter Element, Primary	
14	P33182	1	Cover	
15	P33184	3	Latch	
16	P33183	1	Vacuator Valve	
17	P33142	1	Mounting Band	
18	P01507	2	Nut, Hx, 5/16in-18	
19	P01309	2	Lockwasher, 5/16in	
20	P00102	2	Capscrew, Hx, 5/16in-18 x 3/4in	
21	P20854	1	90, Elbow, Rubber	
22	P24313	1	Hump Adapter	
		Ref	N.S.S. = Not Sold Separately	

SECTION 2 - POWER PLANT

FIGURE 2-56. RADIATOR GROUP ASSEMBLY (DEERE 4045D) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 1197 to Present; 6K-37 SN 488 to Present; 6K-42 SN 177 to Present)



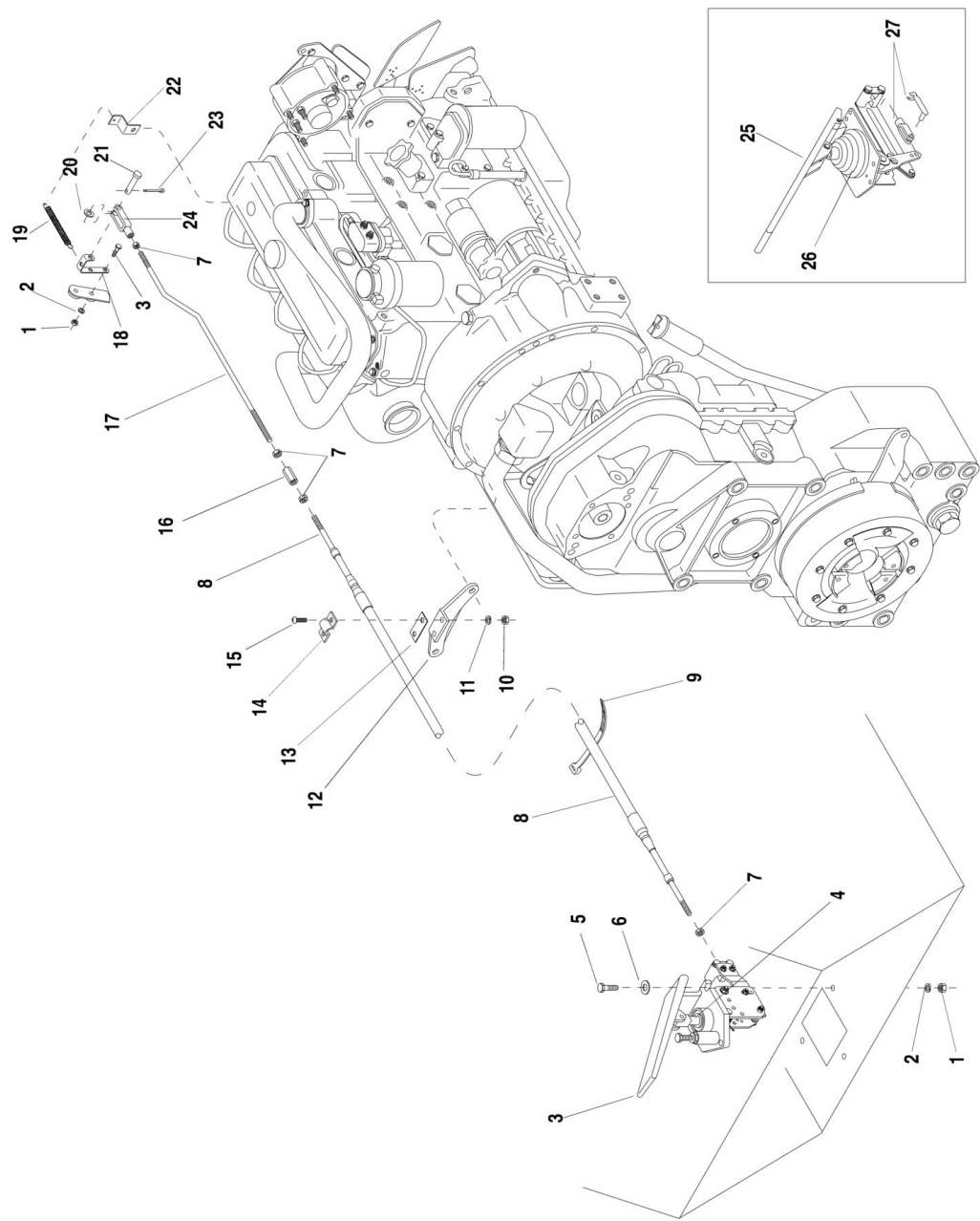
SECTION 2 - POWER PLANT

FIGURE 2-56. RADIATOR GROUP ASSEMBLY (DEERE 4045D) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 1197 to Present; 6K-37 SN 488 to Present; 6K-42 SN 177 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	39500B	1	Radiator Hose, Lower	
2	P10601	4	Hose Clamp	
3	39499B	1	Radiator Hose, Upper	
4	P00202	6	Capscrew, Hx, 3/8in-16 x 3/4in	
5	P01310	12	Lockwasher, 3/8in	
6	P01404	14	Flatwasher, 3/8in	
7	P00102	6	Capscrew, Hx, 5/16in-18 x 3/4in	
8	P01358	6	Starwasher, 5/16in	
9	P01403	6	Flatwasher, 5/16in	
10	15845B	2	Rubber Grommet	
11	P00204	2	Capscrew, Hx, 3/8in-16 x 1in	
12	P01508	6	Nut, Hx, 3/8in-16	
13	65160A	1	Support Bracket	
14	39460C	1	Radiator, Crossflow (Includes Items 15, 16 & 17)	
15	37768X	1	Cap, Radiator	
16	P16675	1	Drain Cock	
17	N12347	1	Hose, Recovery Tank	
18	36491B	1	Recovery Tank, Coolant	
19	N12348	1	Hose, Drain	
20	P01506	2	Nut, Hx, 1/4in-20	
21	P01308	2	Lockwasher, 1/4in	
22	P01402	2	Flatwasher, 1/4in	
23	10700205	4	Capscrew, Hx, 3/8in-16 x 1 1/4in	
24	P01406	2	Flatwasher, 1/2in	
25	P01312	2	Lockwasher, 1/2in	
26	P01510	2	Nut, Hx, 1/2in-13	
27	P24305	2	Bushing	
28	P24306	2	Grommet	
29	65701B	2	Support, Radiator	
30	65024D	1	Fan Shroud, Plastic	
31	38470B	1	Fan Guard	

SECTION 2 - POWER PLANT

FIGURE 2-57. THROTTLE GROUP ASSEMBLY (DEERE 4045D) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 1197 to Present; 6K-37 SN 488 to Present; 6K-42 SN 177 to Present)



SECTION 2 - POWER PLANT

FIGURE 2-57. THROTTLE GROUP ASSEMBLY (DEERE 4045D) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 1197 to Present; 6K-37 SN 488 to Present; 6K-42 SN 177 to Present)

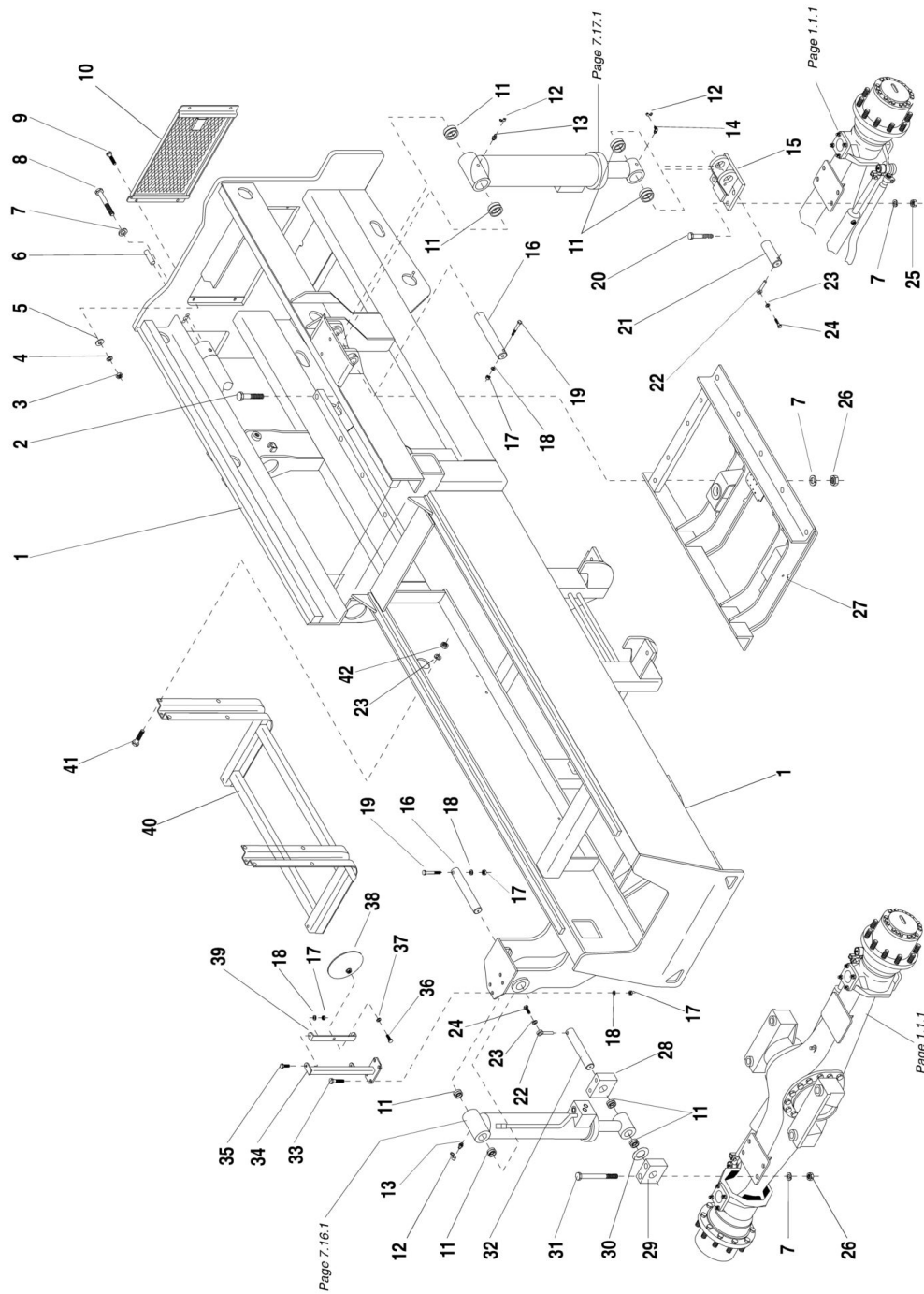
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P01506	3	Nut, Hx, 1/4in-20	
2	P01308	4	Lockwasher, 1/4in	
3	16461A	1	Accelerator Pedal (Includes Item 4) (Replaces 37378X)	
4	P20069	1	Bellows	
5	P00003	3	Capscrew, Hx, 1/4in-20 x 3/4in	
6	P01402	3	Flatwasher, 1/4in	
7	P01529	5	Nut, Hx, 1/4in-28	
8	37379X	1	Cable, Throttle - 96in Long	
9	P20496	4	Cable Tie	
10	P01504	2	Nut, Hx, #10-24	
11	P01306	2	Lockwasher, #10	
12	36423A	1	Bracket, Throttle Cable	
13	16401A	1	Shim, Cable Clamp	
14	14383A	1	Clamp, Cable	
15	P02057	2	Screw, Slotted Rd Hd, #10-24 x 3/4in	
16	P27815	1	Coupling, Nut	
17	65913B	1	Extension Rod, Throttle	
18	65917A	1	Extension Lever, Throttle	
19	P21260	1	Spring	
20	65906A	1	Spacer	
21	P01512	1	Pin, Clevis	
22	17786A	1	Anchor, Spring	
23	P03810	1	Cotter Pin, 1/16in x 1in	
24	P10508	1	Clevis	
25	N.L.A.	1	Accelerator Pedal (Includes Item 5) (Note: Order Item 3 for a Replacement)	
26	37567X	1	Bellows	
27	38818A	1	Yoke end w/ Spring Pin	

SECTION 3 - FRAME AND OPERATOR'S COMPARTMENT

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FIGURE 3-1. MAIN FRAME ASSEMBLY (644B-37,844C-42) (644B-37 SN 101 through 170; 844C-42 SN 101 through 164)



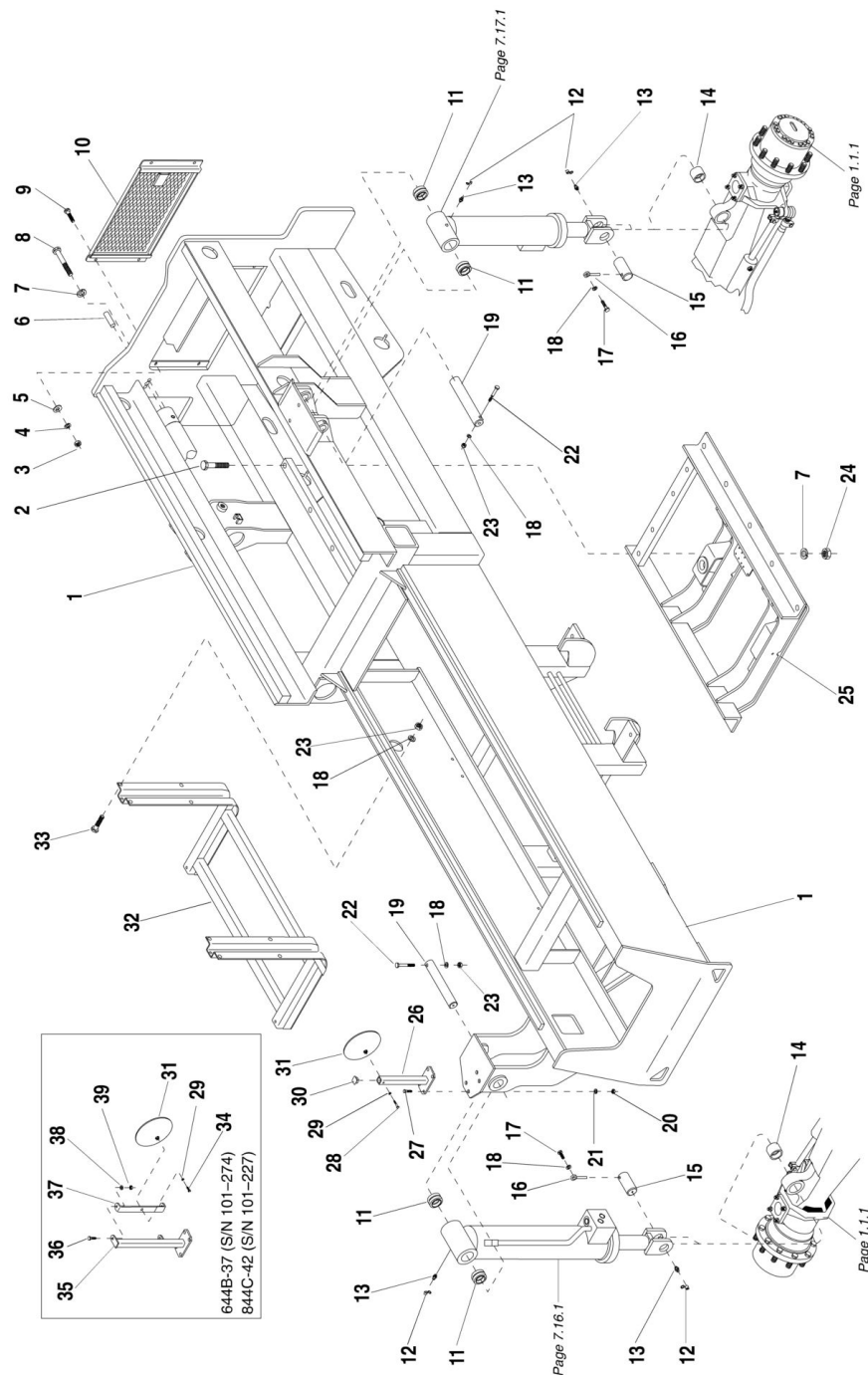
SECTION 3 - FRAME AND OPERATOR'S COMPARTMENT

FIGURE 3-1. MAIN FRAME ASSEMBLY (644B-37,844C-42) (644B-37 SN 101 through 170; 844C-42 SN 101 through 164)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	N.S.S.	1	Main Frame (Note: Consult Factory)	
2	P00784	10	Capscrew, Hx, 3/4in-16 x 3 3/4in GR 8	
3	P01507	4	Nut Hx, 5/16in-18	
4	P01309	4	Lockwasher, 5/16in	
5	P01403	4	Flatwasher, 5/16in	
6	37143X	1	Dowel Pin, 3/4in x 2in	
7	P01315	20	Lockwasher, 3/4in	
8	P00753	2	Capscrew, Hx, 3/4in-16 x 2 1/4in	
9	P00104	4	Capscrew, Hx, 5/16in-18 x 1in	
10	36818B	1	Grille	
10	P40171	1	Paddle Handle Latch (Note: Welding Required for Replacement)	
10	P19085	-	Paddle Handle Latch, Locking (Note: Welding Required for Replacement)	
11	16228A	8	Bushing, Cylinder	
12	P32689	4	Cover, Grease Fitting	
13	P16611	3	Grease Fitting	
14	P15367	1	Grease Fitting, 45	
15	36987A	1	Mounting Base, Rear Oscillation Lock Cylinder	
16	24732A	2	Pin, Frame Tilt and Oscillation Lock Cylinder - Upper	
17	P01508	8	Nut Hx, 3/8in-16	
18	P01310	8	Lockwasher, 3/8in	
19	P00215	2	Capscrew, Hx, 3/8in-16 x 3 3/4in (Note: Machines with 1/2in-13 x 4in Capscrew, use P00414)	
20	P00729	4	Capscrew, Hx, 3/4in-10 x 2 1/2in GR 8	
21	36907A	1	Pin, Oscillation Lock Cylinder - Lower	
22	34178A	2	Lock Pin	
23	P01312	10	Lockwasher, 1/2in	
24	P00403	2	Capscrew, Hx, 1/2in-13 x 1 1/4in	
25	P05007	4	Nut, Hx, 3/4in-10 GR C	
26	P01536	14	Nut Hx, 3/4in-16	
27	36872D	1	Subframe	
28	36219B	1	Mounting Block (with Lock Pin Hole)	
29	36220B	1	Mounting Block, Frame Tilt Cylinder	
30	P21586	3	Shim, 14 GA	
31	P00790	4	Capscrew, Hx, 3/4in-16 x 6 1/2in GR 8	
32	36210A	1	Pin, Frame Tilt Cylinder - Lower	
33	P00205	4	Capscrew, Hx, 3/8in-16 x 1 1/4in	
34	35015B	1	Bracket, Mirror	
35	P00204	2	Capscrew, Hx, 3/8in-16 x 1in	
36	P00005	1	Capscrew, Hx, 1/4in-20 x 1in	
37	P01308	1	Lockwasher, 1/4in	
38	P32579	1	Mirror, Convex	
39	35200A	1	Mount, Mirror	
40	36167D	1	Tank Support Mount	
41	P00404	8	Capscrew, Hx, 1/2in-13 x 1 1/2in	
42	P01510	8	Nut Hx, 1/2in-13	

SECTION 3 - FRAME AND OPERATOR'S COMPARTMENT

FIGURE 3-2. MAIN FRAME ASSEMBLY (1044C-42,644B-37,644B-42,844C-42) (644B-37 SN 171 to Present; 644B-42 SN 101 to Present; 844C-42 SN 165 to Present; 1044C-42 SN 101 to Present)



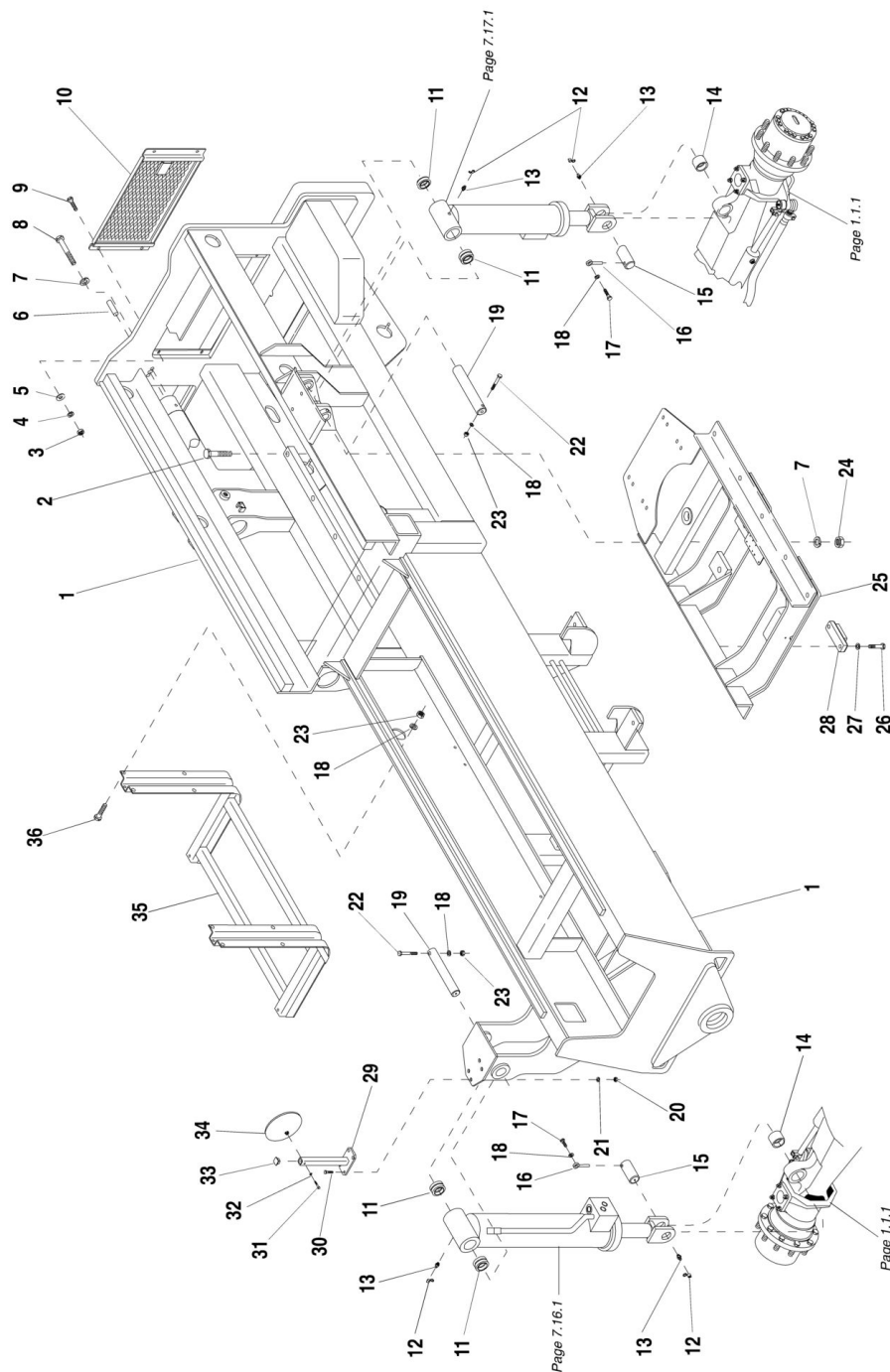
SECTION 3 - FRAME AND OPERATOR'S COMPARTMENT

FIGURE 3-2. MAIN FRAME ASSEMBLY (1044C-42,644B-37,644B-42,844C-42) (644B-37 SN 171 to Present; 644B-42 SN 101 to Present; 844C-42 SN 165 to Present; 1044C-42 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	N.S.S.	1	Main Frame (Note: Consult Factory)	
2	P00784	10	Capscrew, Hx, 3/4in-16 x 3 3/4in GR 8	
3	P01507	4	Nut Hx, 5/16in-18	
4	P01309	4	Lockwasher, 5/16in	
5	P01403	4	Flatwasher, 5/16in	
6	37143X	1	Dowel Pin, 3/4in x 2in	
7	P01315	12	Lockwasher, 3/4in	
8	P00753	2	Capscrew, Hx, 3/4in-16 x 2 1/4in	
9	P00104	4	Capscrew, Hx, 5/16in-18 x 1in	
10	36818B	1	Grille	
10	P40171	1	Paddle Handle Latch (Note: Welding Required for Replacement)	
10	P19085	-	Paddle Handle Latch, Locking (Note: Welding Required for Replacement)	
11	16228A	4	Bushing, Cylinder	
12	P32689	4	Cover, Grease Fitting	
13	P16611	4	Grease Fitting	
14	38562A	2	Bushing, Axle	
15	38423A	2	Pin, Frame Tilt and Oscillation Lock Cylinder - Lower	
16	34178A	2	Lock Pin	
17	P00403	2	Capscrew, Hx, 1/2in-13 x 1 1/4in	
18	P01312	12	Lockwasher, 1/2in	
19	24732A	2	Pin, Frame Tilt and Oscillation Lock Cylinder - Upper	
20	P01508	4	Nut Hx, 3/8in-16	
21	P01310	4	Lockwasher, 3/8in	
22	P00414	2	Capscrew, Hx, 1/2in-13 x 4in	
23	P01510	10	Nut Hx, 1/2in-13	
24	P01536	10	Nut Hx, 3/4in-16	
25	38424D	1	Subframe	
26	38513C	1	Mounting Bracket, Mirror	
27	P00205	4	Capscrew, Hx, 3/8in-16 x 1 1/4in	
28	P00008	1	Capscrew, Hx, 1/4in-20 x 1 3/4in	
28	P00107	-	Capscrew, Hx, 5/16in-16 x 1 3/4in	
29	P01308	1	Lockwasher, 1/4in	
29	P01309	-	Lockwasher, 5/16in	
30	37299X	1	Plug, End Cap	
31	P32579	1	Mirror, Convex	
32	36167D	1	Tank Support Mount	
33	P00404	8	Capscrew, Hx, 1/2in-13 x 1 1/2in	
34	P00005	1	Capscrew, Hx, 1/4in-20 x 1in (Note: Used 644B-37 S/N 101 through 274; 844C-42 S/N 101 through 227 Only)	
35	35015B	1	Bracket, Mirror (Note: Used 644B-37 S/N 101 through 274; 844C-42 S/N 101 through 227 Only)	
36	P00204	2	Capscrew, Hx, 3/8in-16 x 1in (Note: Used 644B-37 S/N 101 through 274; 844C-42 S/N 101 through 227 Only)	
37	35200A	1	Mount, Mirror (Note: Used 644B-37 S/N 101 through 274; 844C-42 S/N 101 through 227 Only)	
38	P01310	2	Lockwasher, 3/8in (Note: Used 644B-37 S/N 101 through 274; 844C-42 S/N 101 through 227 Only)	
39	P01508	2	Nut Hx, 3/8in-16 (Note: Used 644B-37 S/N 101 through 274; 844C-42 S/N 101 through 227 Only)	

SECTION 3 - FRAME AND OPERATOR'S COMPARTMENT

FIGURE 3-3. MAIN FRAME ASSEMBLY (1044C-54) (1044C-54 SN 101 to Present)



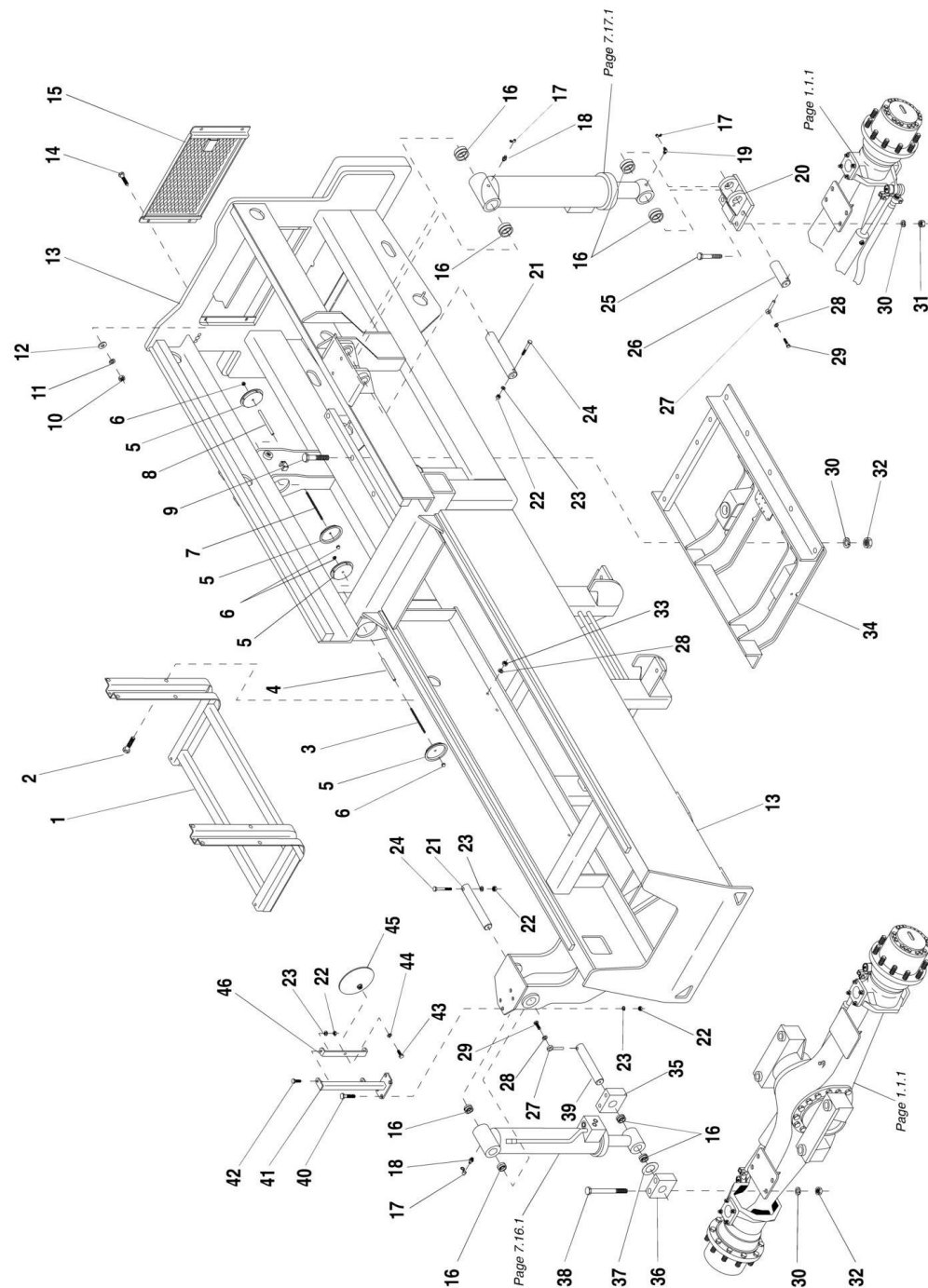
SECTION 3 - FRAME AND OPERATOR'S COMPARTMENT

FIGURE 3-3. MAIN FRAME ASSEMBLY (1044C-54) (1044C-54 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	N.S.S.	1	Main Frame (Note: Consult Factory)	
2	P00784	10	Capscrew, Hx, 3/4in-16 x 3 3/4in GR 8	
3	P01507	4	Nut, Hx, 5/16in-18	
4	P01309	4	Lockwasher, 5/16in	
5	P01403	4	Flatwasher, 5/16in	
6	37143X	1	Dowel Pin, 3/4in x 2in	
7	P01315	12	Lockwasher, 3/4in	
8	P00753	2	Capscrew, Hx, 3/4in-16 x 2 1/4in	
9	P00104	4	Capscrew, Hx, 5/16in-18 x 1in	
10	36818B	1	Grille	
10	P40171	1	Paddle Handle Latch (Note: Welding Required for Replacement)	
10	P19085	-	Paddle Handle Latch, Locking (Note: Welding Required for Replacement)	
11	16228A	4	Bushing, Cylinder	
12	P32689	4	Cover, Grease Fitting	
13	P16611	4	Grease Fitting	
14	38562A	2	Bushing, Axle	
15	38423A	2	Pin, Frame Tilt and Oscillation Lock Cylinder - Lower	
16	34178A	2	Lock Pin	
17	P00403	2	Capscrew, Hx, 1/2in-13 x 1 1/4in	
18	P01312	12	Lockwasher, 1/2in	
19	24732A	2	Pin, Frame Tilt and Oscillation Lock Cylinder - Upper	
20	P01508	4	Nut, Hx, 3/8in-16	
21	P01310	4	Lockwasher, 3/8in	
22	P00414	2	Capscrew, Hx, 1/2in-13 x 4in	
23	P01510	10	Nut, Hx, 1/2in-13	
24	P01536	10	Nut, Hx, 3/4in-16	
25	38424D	1	Subframe - All 4 Cylinder Engines	
25	39544D	1	Subframe - Deere 6 Cylinder	
25	38871D	1	Subframe - Cummins 6 Cylinder	
25	39666B	1	Subframe - Cummins 6 Cylinder w/17.5 x 25 Tires (Includes Items 26, 27 & 28) (Note: Used with 17.5 x 25 Tires Only)	
26	P00403	4	Capscrew, Hx, 1/2in-13 x 1 1/4in (Note: Used with 17.5 x 25 Tires Only)	
27	P01312	4	Lockwasher, 1/2in (Note: Used with 17.5 x 25 Tires Only)	
28	P28009	2	Jounce Stop (Note: Used with 17.5 x 25 Tires Only)	
29	38513C	1	Bracket, Mirror	
30	P00205	4	Capscrew, Hx, 3/8in-16 x 1 1/4in	
31	P00008	1	Capscrew, Hx, 1/4in-20 x 1 3/4in	
31	P00107	-	Capscrew, Hx, 5/16in-16 x 1 3/4in	
32	P01308	1	Lockwasher, 1/4in	
32	P01309	-	Lockwasher, 5/16in	
33	37299X	1	Plug, End Cap	
34	P32579	1	Mirror, Convex	
35	36167D	1	Tank Support Mount	
36	P00404	8	Capscrew, Hx, 1/2in-13 x 1 1/2in	

SECTION 3 - FRAME AND OPERATOR'S COMPARTMENT

FIGURE 3-4. MAIN FRAME ASSEMBLY (6K-37,8K-42) (6K-37 SN 101 through 144; 8K-42 SN 101 through 124)



SECTION 3 - FRAME AND OPERATOR'S COMPARTMENT

FIGURE 3-4. MAIN FRAME ASSEMBLY (6K-37,8K-42) (6K-37 SN 101 through 144; 8K-42 SN 101 through 124)

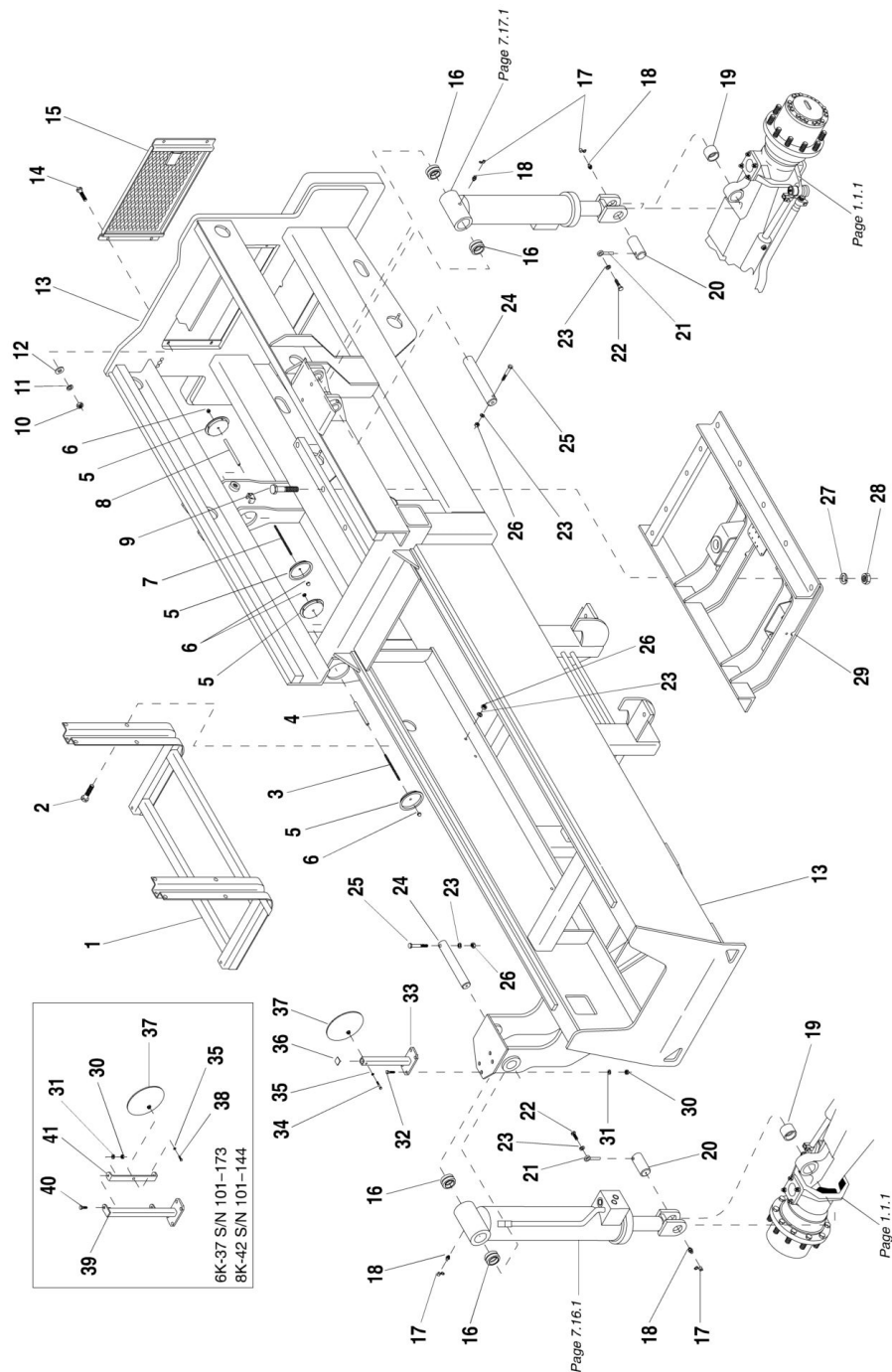
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	36167D	1	Tank Support Mount	
2	P00404	8	Capscrew, Hx, 1/2in-13 x 1 1/2in	
3	38389A	1	Threaded Rod, Front (6.75in Lg)	
4	38372A	1	Spacer, Front (5.94in Lg)	
5	38318A	4	Hole Plug	
6	P05056	4	Acorn Nut, 3/8in-16 (Chrome Plated)	
7	38390A	1	Threaded Rod, Rear (7.75in Lg)	
8	38373A	1	Spacer, Rear (6.94in Lg)	
9	P00784	10	Capscrew, Hx, 3/4in-16 x 3 3/4in GR 8	
10	P01507	4	Nut, Hx, 5/16in-18	
11	P01309	4	Lockwasher, 5/16in	
12	P01403	4	Flatwasher, 5/16in	
13	N.S.S.	1	Main Frame (Note: Consult Factory)	
14	P00104	4	Capscrew, Hx, 5/16in-18 x 1in	
15	36818B	1	Grille	
15	P40171	1	Paddle Handle Latch (Note: Welding Required for Replacement)	
15	P19085	-	Paddle Handle Latch, Locking (Note: Welding Required for Replacement)	
16	16228A	8	Bushing, Cylinder	
17	P32689	4	Cover, Grease Fitting	
18	P16611	3	Grease Fitting	
19	P15367	1	Grease Fitting, 45	
20	36987A	1	Mounting Base, Rear Oscillation Lock Cylinder	
21	24732A	2	Pin, Frame Tilt and Oscillation Lock Cylinder - Upper	
22	P01508	8	Nut, Hx, 3/8in-16	
23	P01310	8	Lockwasher, 3/8in	
24	P00215	2	Capscrew, Hx, 3/8in-16 x 3 3/4in (Note: Machines with 1/2in-13 x 4in Capscrew, use P00414)	
25	P00729	4	Capscrew, Hx, 3/4in-10 x 2 1/2in GR 8	
26	36907A	1	Pin, Oscillation Lock Cylinder - Lower	
27	34178A	2	Lock Pin	
28	P01312	10	Lockwasher, 1/2in	
29	P00403	2	Capscrew, Hx, 1/2in-13 x 1 1/4in	
30	P01315	18	Lockwasher, 3/4in	
31	P05007	4	Nut, Hx, 3/4in-10 GR C	
32	P01536	14	Nut, Hx, 3/4in-16	
33	P01510	8	Nut, Hx, 1/2in-13	
34	36872D	1	Subframe	
35	36219B	1	Mounting Block (with Lock Pin Hole)	
36	36220B	1	Mounting Block, Frame Tilt Cylinder	
37	P21586	3	Shim, 14 GA	
38	P00790	4	Capscrew, Hx, 3/4in-16 x 6 1/2in GR 8	
39	36210A	1	Pin, Frame Tilt Cylinder - Lower	
40	P00205	4	Capscrew, Hx, 3/8in-16 x 1 1/4in	
41	35015B	1	Bracket, Mirror	
42	P00204	2	Capscrew, Hx, 3/8in-16 x 1in	
43	P00005	1	Capscrew, Hx, 1/4in-20 x 1in	
44	P01308	1	Lockwasher, 1/4in	
45	P32579	1	Mirror, Convex	

SECTION 3 - FRAME AND OPERATOR'S COMPARTMENT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	35200A	1 Ref	Mount, Mirror N.S.S. = Not Sold Separately	

SECTION 3 - FRAME AND OPERATOR'S COMPARTMENT

FIGURE 3-5. MAIN FRAME ASSEMBLY (10K-42,6K-37,6K-42,8K-42) (6K-37 SN 145 to Present; 6K-42 SN 101 to Present; 8K-42 SN 125 to Present; 10K-42 SN 101 to Present)



SECTION 3 - FRAME AND OPERATOR'S COMPARTMENT

FIGURE 3-5. MAIN FRAME ASSEMBLY (10K-42,6K-37,6K-42,8K-42) (6K-37 SN 145 to Present; 6K-42 SN 101 to Present; 8K-42 SN 125 to Present; 10K-42 SN 101 to Present)

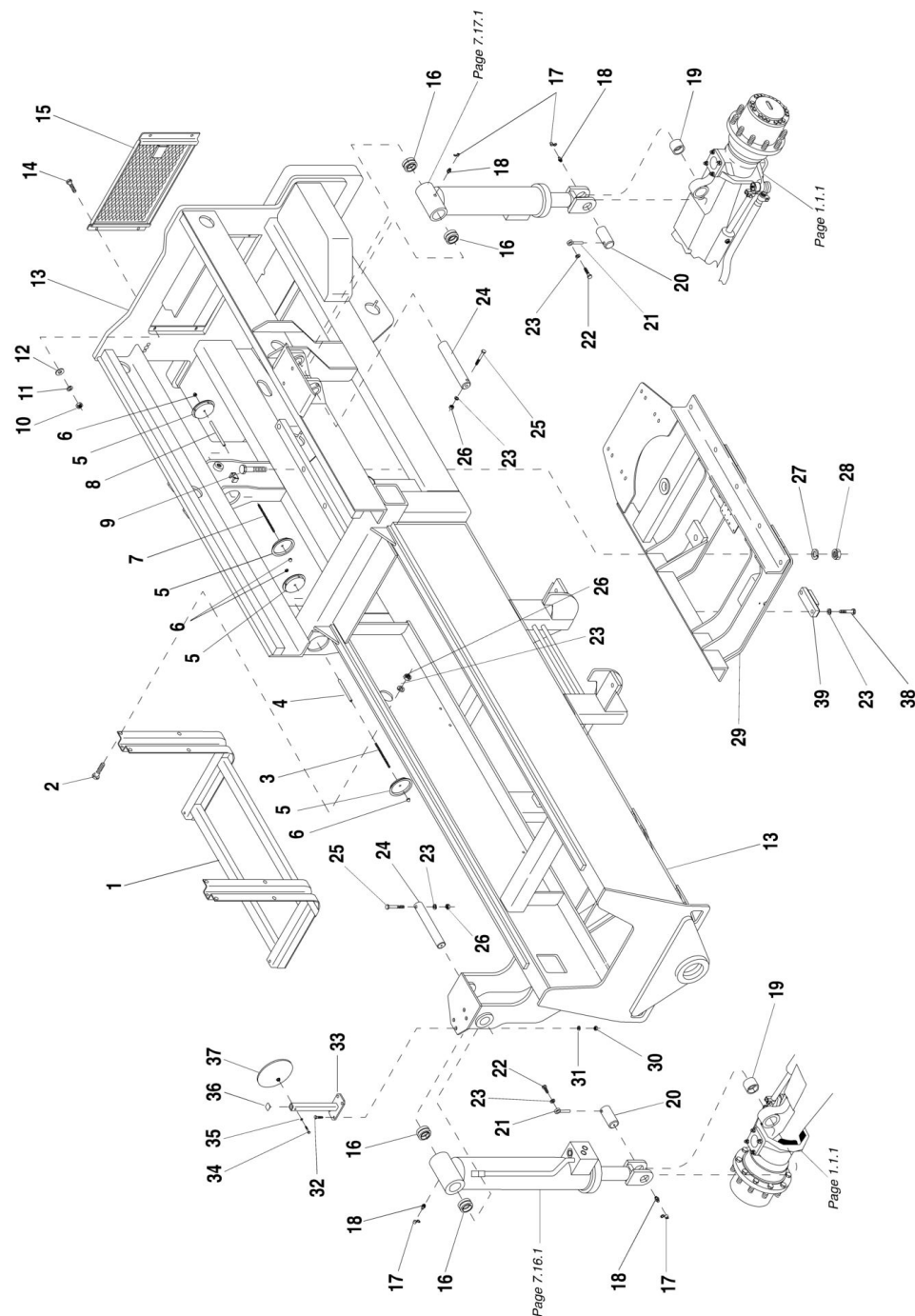
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	36167D	1	Tank Support Mount (Note: For 6K-37 S/N 212 through 280 use 39470B)	
2	P00404	8	Capscrew, Hx, 1/2in-13 x 1 1/2in	
3	38389A	1	Threaded Rod, Front (6.75in Lg)	
4	38372A	1	Spacer, Front (5.94in Lg)	
5	38318A	4	Hole Plug	
6	P05056	4	Acorn Nut, 3/8in-16 (Chrome Plated)	
7	38390A	1	Threaded Rod, Rear (7.75in Lg)	
8	38373A	1	Spacer, Rear (6.94in Lg)	
9	P00784	10	Capscrew, Hx, 3/4in-16 x 3 3/4in GR 8	
10	P01507	4	Nut, Hx 5/16in-18	
11	P01309	4	Lockwasher, 5/16in	
12	P01403	4	Flatwasher, 5/16in	
13	N.S.S.	1	Main Frame (Note: Consult Factory)	
14	P00104	4	Capscrew, Hx, 5/16in-18 x 1in	
15	36818B	1	Grille	
15	P40171	1	Paddle Handle Latch (Note: Welding Required for Replacement)	
15	P19085	-	Paddle Handle Latch, Locking (Note: Welding Required for Replacement)	
16	16228A	4	Bushing, Cylinder	
17	P32689	4	Cover, Grease Fitting	
18	P16611	4	Grease Fitting	
19	38562A	2	Bushing, Axle	
20	38423A	2	Pin, Frame Tilt and Oscillation Lock Cylinder - Lower	
21	34178A	2	Lock Pin	
22	P00403	2	Capscrew, Hx, 1/2in-13 x 1 1/4in	
23	P01312	12	Lockwasher, 1/2in	
24	24732A	2	Pin, Frame Tilt and Oscillation Lock Cylinder - Upper	
25	P00414	2	Capscrew, Hx, 1/2in-13 x 4in	
26	P01510	10	Nut, Hx, 1/2in-13	
27	P01315	10	Lockwasher, 3/4in	
28	P01536	10	Nut, Hx, 3/4in-16	
29	38424D	1	Subframe	
30	P01508	4	Nut, Hx, 3/8in-16	
31	P01310	4	Lockwasher, 3/8in	
32	P00205	4	Capscrew, Hx, 3/8in-16 x 1 1/4in	
33	38513C	1	Mounting Bracket, Mirror	
34	P00008	1	Capscrew, Hx, 1/4in-20 x 1 3/4in	
34	P00107	-	Capscrew, Hx, 5/16in-16 x 1 3/4in	
35	P01308	1	Lockwasher, 1/4in	
35	P01309	-	Lockwasher, 5/16in	
36	37299X	1	Plug, End Cap	
37	P32579	1	Mirror, Convex	
38	P00005	1	Capscrew, Hx, 1/4in-20 x 1in (Note: Used 8K-42 S/N 101 through 144; 6K-37 S/N 101 through 173 only)	
39	35015B	1	Bracket, Mirror (Note: Used 8K-42 S/N 101 through 144; 6K-37 S/N 101 through 173 only)	
40	P00204	2	Capscrew, Hx, 3/8in-16 x 1in (Note: Used 8K-42 S/N 101 through 144; 6K-37 S/N 101 through 173 only)	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
41	35200A	1	Mount, Mirror (Note: Used 8K-42 S/N 101 through 144; 6K-37 S/N 101 through 173 only)	
		Ref	N.S.S. = Not Sold Separately	

SECTION 3 - FRAME AND OPERATOR'S COMPARTMENT

FIGURE 3-6. MAIN FRAME ASSEMBLY (10K-54) (10K-54 SN 101 to Present)



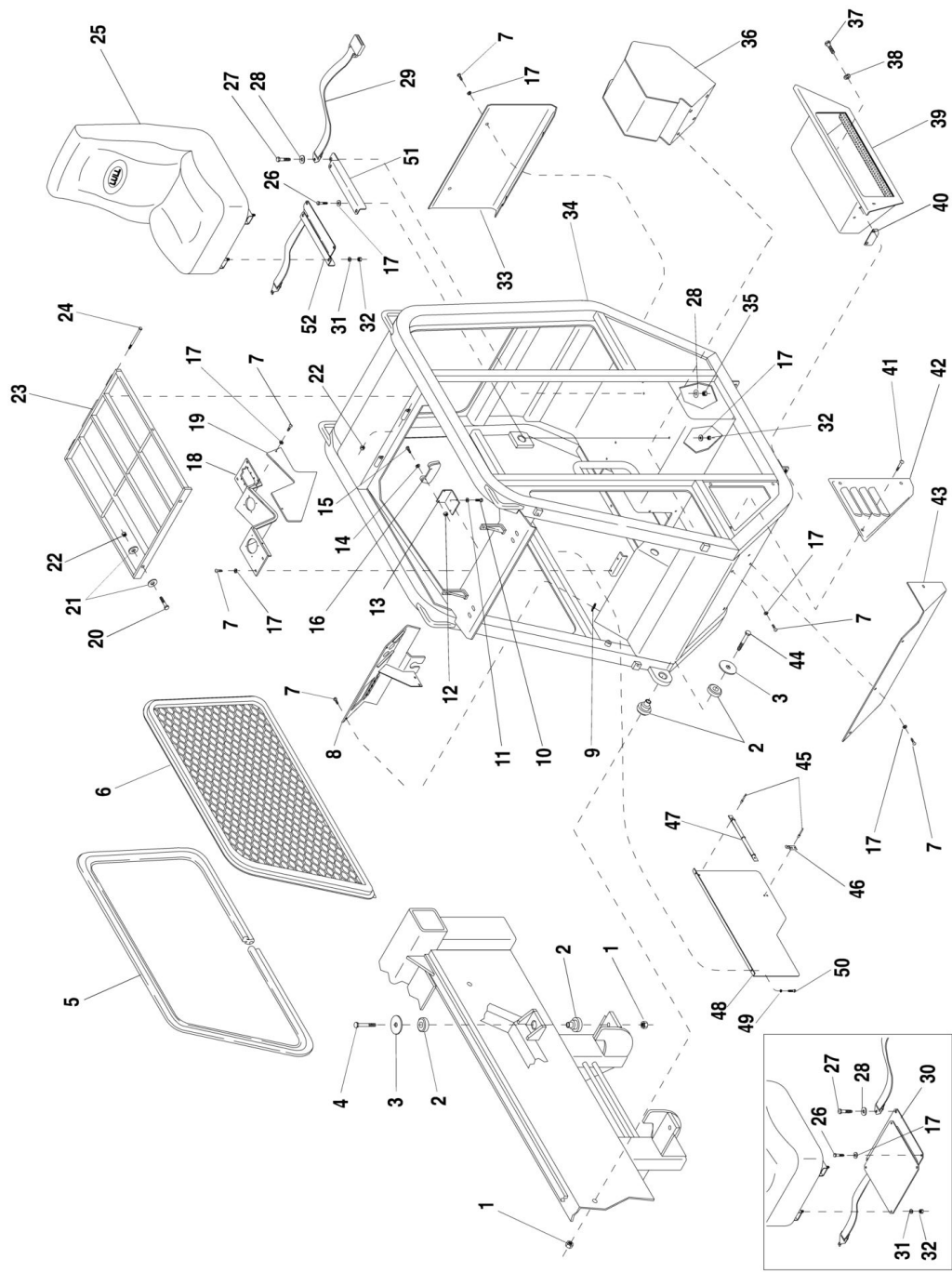
SECTION 3 - FRAME AND OPERATOR'S COMPARTMENT

FIGURE 3-6. MAIN FRAME ASSEMBLY (10K-54) (10K-54 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	36167D	1	Tank Support Mount	
2	P00404	8	Capscrew, Hx, 1/2in-13 x 1 1/2in	
3	38389A	1	Threaded Rod, Front (6.75in Lg)	
4	38372A	1	Spacer, Front (5.94in Lg)	
5	38318A	4	Hole Plug	
6	P05056	4	Acorn Nut, 3/8in-16 (Chrome Plated)	
7	38390A	1	Threaded Rod, Rear (7.75in Lg)	
8	38373A	1	Spacer, Rear (6.94in Lg)	
9	P00784	10	Capscrew, Hx, 3/4in-16 x 3 3/4in GR 8	
10	P01507	4	Nut, Hx 5/16in-18	
11	P01309	4	Lockwasher, 5/16in	
12	P01403	4	Flatwasher, 5/16in	
13	N.S.S.	1	Main Frame (Note: Consult Factory)	
14	P00104	4	Capscrew, Hx, 5/16in-18 x 1in	
15	36818B	1	Grille	
15	P40171	1	Paddle Handle Latch (Note: Welding Required for Replacement)	
15	P19085	-	Paddle Handle Latch, Locking (Note: Welding Required for Replacement)	
16	16228A	4	Bushing, Cylinder	
17	P32689	4	Cover, Grease Fitting	
18	P16611	4	Grease Fitting	
19	38562A	2	Bushing, Axle	
20	38423A	2	Pin, Frame Tilt and Oscillation Lock Cylinder - Lower	
21	34178A	2	Lock Pin	
22	P00403	2	Capscrew, Hx, 1/2in-13 x 1 1/4in	
23	P01312	12	Lockwasher, 1/2in	
24	24732A	2	Pin, Frame Tilt and Oscillation Lock Cylinder - Upper	
25	P00414	2	Capscrew, Hx, 1/2in-13 x 4in	
26	P01510	10	Nut, Hx, 1/2in-13	
27	P01315	10	Lockwasher, 3/4in	
28	P01536	10	Nut, Hx, 3/4in-16	
29	38424D	1	Subframe - All 4 Cylinder Engines	
29	38871D	1	Subframe - Cummins 6 Cylinder	
29	39666B	1	Subframe - Cummins 6 Cylinder w/17.5 x 25 Tires (Includes Items 23, 38 & 39)	
30	P01508	4	Nut, Hx, 3/8in-16	
31	P01310	4	Lockwasher, 3/8in	
32	P00205	4	Capscrew, Hx, 3/8in-16 x 1 1/4in	
33	38513C	1	Mounting Bracket, Mirror	
34	P00008	1	Capscrew, Hx, 1/4in-20 x 1 3/4in	
34	P00107	-	Capscrew, Hx, 5/16in-16 x 1 3/4in	
35	P01308	1	Lockwasher, 1/4in	
35	P01309	-	Lockwasher, 5/16in	
36	37299X	1	Plug, End Cap	
37	P32579	1	Mirror, Convex	
38	P00403	4	Capscrew, Hx, 1/2in-13 x 1 1/4in	
39	P28009	2	Jounce Stop	
		Ref	N.S.S. = Not Sold Separately	

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FIGURE 3-7. OPERATOR'S COMPARTMENT ASSEMBLY (1044C-42,1044C-54,644B-37,644B-42,844C-42) (644B-37 SN 101 through 970; 644B-42 SN 101 through 262; 844C-42 SN 101 through 850; 1044C-42 SN 101 through 121; 1044C-54 SN 101 through 254)



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FIGURE 3-7. OPERATOR'S COMPARTMENT ASSEMBLY (1044C-42,1044C-54,644B-37,644B-42,844C-42) (644B-37 SN 101 through 970; 644B-42 SN 101 through 262; 844C-42 SN 101 through 850; 1044C-42 SN 101 through 121; 1044C-54 SN 101 through 254)

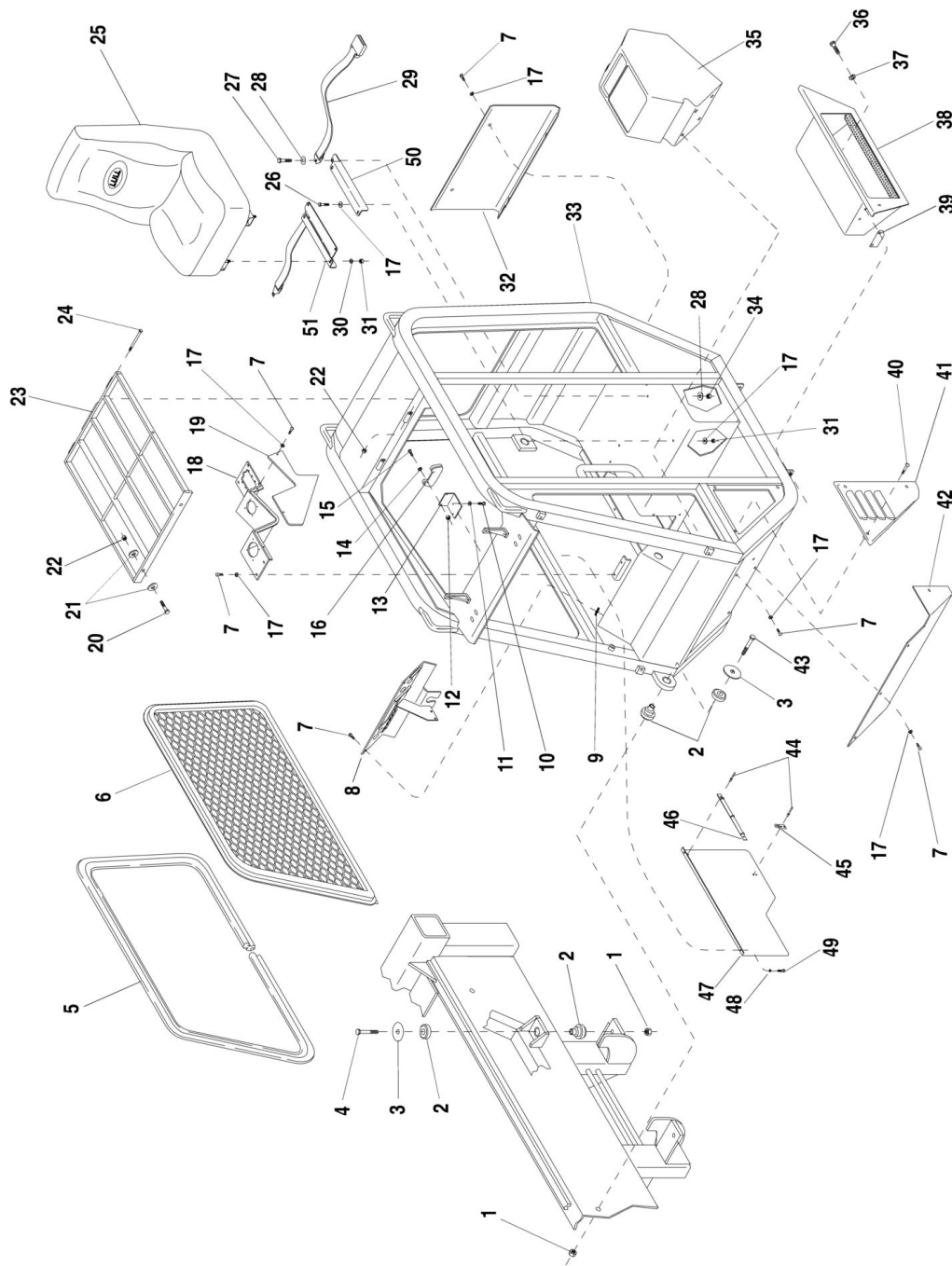
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	36479X	4	Crownlock Nut, Hx, 5/8in-11	
2	P33152	4	Rubber Mount, Two Piece	
3	36262A	4	Snubbing Washer	
4	P00642	2	Capscrew, Hx, 5/8in-11 x 4 1/2in GR 8	
5	N12354	1	Rubber Locking Channel	
6	39390C	1	Screen, Slide (Replaces 38172C)	
7	P27829	24	Screw, Phillips Truss Hd, 5/16in-18 x 3/4in	
8	36393B	1	Instrument Panel	
9	P20459	4	Speed Nut	
10	P02054	2	Screw, Slotted Rd Hd, #10-24 x 1/2in	
11	P01306	2	Lockwasher, #10	
12	P01653	2	Locknut, Hx, #8-32	
13	32775B	1	Mounting Bracket, Level Indicator	
14	P01427	2	Flatwasher, #8 SAE	
15	P02034	2	Screw, Slotted Rd Hd, #8-32 x 1/2in	
16	P28470	1	Level Indicator	
17	P01403	20	Flatwasher, 5/16in	
18	36383C	1	Control Panel with Outriggers	
18	36396C	-	Control Panel (Note: Not Illustrated)	
19	36436B	1	Side Cover, Control Panel	
20	P00234	2	Capscrew, Hx, 3/8in-16 x 1 3/4in GR 8	
21	P01404	4	Flatwasher, 3/8in	
22	P01658	4	Locknut, Hx, 3/8in-16	
23	36887C	1	Overhead Guard	
24	P00245	2	Capscrew, Hx, 3/8in-16 x 5in GR 8	
25	36478C	1	Seat, Operator's	
25	38380C	-	Suspension Seat, Operator's (Optional)	
26	P00102	2	Capscrew, Hx, 5/16in-18 x 3/4in	
27	P00303	2	Capscrew, Hx, 7/16in-14 x 1 1/4in	
28	P01405	4	Flatwasher, 7/16in	
29	39367B	1	Seat Belt - 2in Wide	
29	P25464	-	Seat Belt - 3in Wide (Note: Required in California)	
30	36439C	1	Seat Stand (Note: Not Used with Optional Suspension Seat)	
31	P01309	4	Lockwasher	
32	P01507	6	Nut, Hx, 5/16in-18	
33	36381B	1	Cover, Rear	
34	36006E	1	Operator's Compartment	
34	39443D	-	Operator's Compartment (1044C-54)	
35	P05003	2	Locknut, Hx, 7/16in-14	
36	38246B	1	Storage Box	
37	P00202	4	Capscrew, Hx, 3/8in-16 x 3/4in	
38	P01310	4	Lockwasher 3/8in	
39	36955B	1	Step, Operator's	
40	66491A	AR	Shim, Step, 14 GA (.075in)	
40	66492A	AR	Shim, Step, 12 GA (.105in)	
41	37113X	3	Screw, Phillips Truss Hd, 5/16in-18 x 1 1/2in	
42	36849B	1	Cover, Side	
43	36958B	1	Cover, Front	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	P00641	2	Capscrew, Hx, 5/8in-11 x 4in GR 8	
45	P32958	4	Pop-Rivet, Aluminum, 1/8in Dia x .337in Long	
46	37364X	1	Holder, Flip Card	
47	38718A	1	3-Ring Hanger, Flip Card	
48	36542B	1	Mounting Plate, Decal (Note: Used with Optional Enclosed Cab Only)	
49	P01308	2	Lockwasher, 1/4in (Note: Used with Optional Enclosed Cab Only)	
50	P00001	2	Capscrew, Hx, 1/4in-20 x 1/2in (Note: Used with Optional Enclosed Cab Only)	
51	65862B	1	Seat Mount, Left (Note: Not Used with Optional Suspension Seat)	
52	65863B	1	Seat Mount, Right (Note: Not Used with Optional Suspension Seat)	
Ref	55000D	-	Kit, Cab Enclosure, Field Installed (Note: Not Illustrated)	

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FIGURE 3-8. OPERATOR'S COMPARTMENT ASSEMBLY (1044C-42,1044C-54,644B-37,644B-42,844C-42) (644B-37 SN 971 to Present; 644B-42 SN 263 to Present; 844C-42 SN 851 to Present; 1044C-42 SN 122 to Present; 1044C-54 SN 255 to Present)



SECTION 3 - FRAME AND OPERATOR'S COMPARTMENT

FIGURE 3-8. OPERATOR'S COMPARTMENT ASSEMBLY (1044C-42,1044C-54,644B-37,644B-42,844C-42) (644B-37 SN 971 to Present; 644B-42 SN 263 to Present; 844C-42 SN 851 to Present; 1044C-42 SN 122 to Present; 1044C-54 SN 255 to Present)

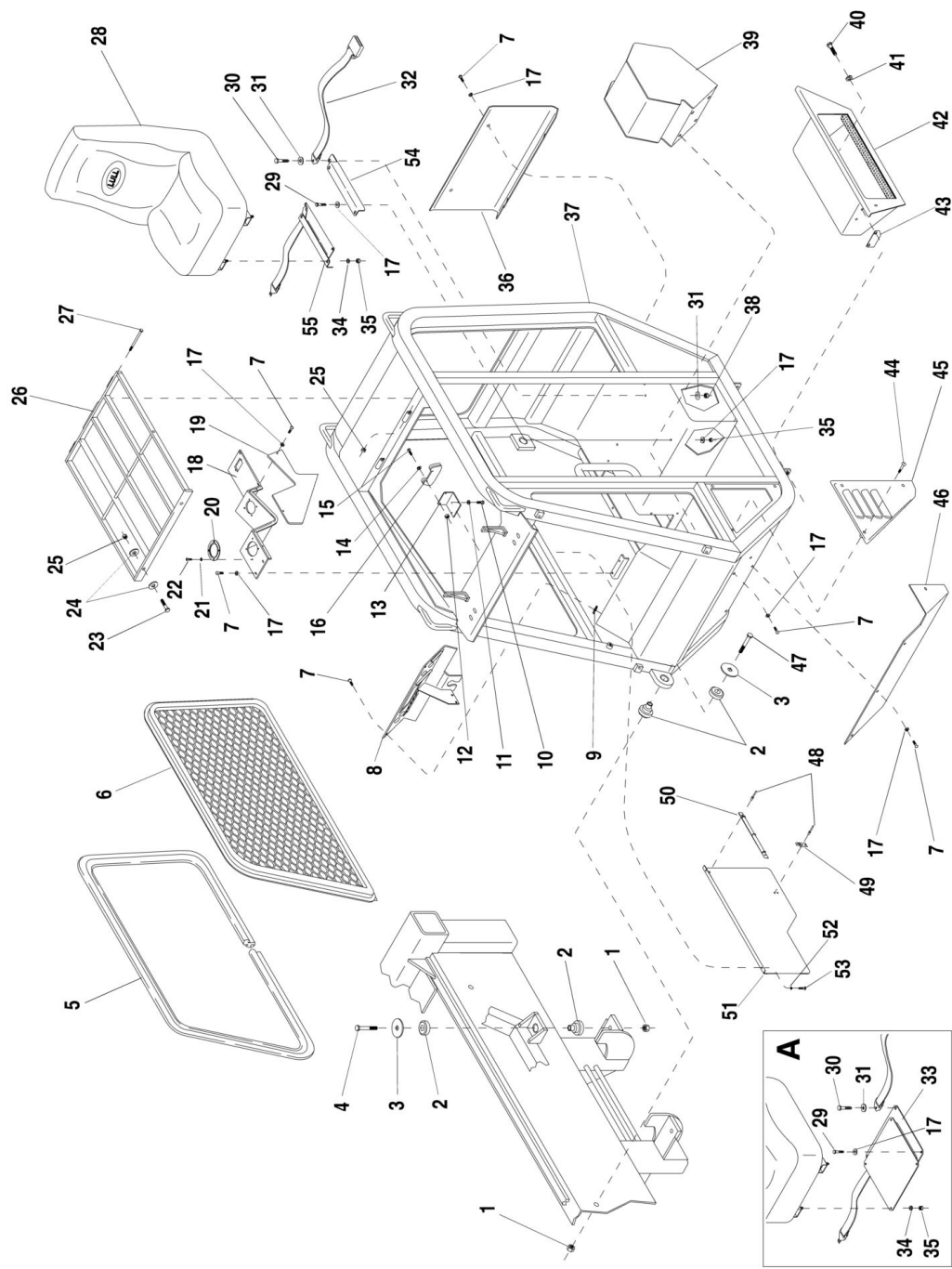
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	36479X	4	Crownlock Nut, Hx, 5/8in-11	
2	P33152	4	Rubber Mount, Two Piece	
3	36262A	4	Snubbing Washer	
4	P00642	2	Capscrew, Hx, 5/8in-11 x 4 1/2in GR 8	
5	N12354	1	Rubber Locking Channel	
6	39390C	1	Screen, Slide (Replaces 38172C)	
7	P27829	24	Screw, Phillips Truss Hd, 5/16in-18 x 3/4in	
8	65545B	1	Instrument Panel	
9	P20459	4	Speed Nut	
10	P02054	2	Screw, Slotted Rd Hd, #10-24 x 1/2in	
11	P01306	2	Lockwasher, #10	
12	P01653	2	Locknut, Hx, #8-32	
13	32775B	1	Mounting Bracket, Level Indicator	
14	P01427	2	Flatwasher, #8 SAE	
15	P02034	2	Screw, Slotted Rd Hd, #8-32 x 1/2in	
16	P28470	1	Level Indicator	
17	P01403	20	Flatwasher, 5/16in	
18	36383C	1	Control Panel with Outriggers	
18	36396C	-	Control Panel (Note: Not Illustrated)	
19	36436B	1	Side Cover, Control Panel	
20	P00234	2	Capscrew, Hx, 3/8in-16 x 1 3/4in GR 8	
21	P01404	4	Flatwasher, 3/8in	
22	P01658	4	Locknut, Hx, 3/8in-16	
23	36887C	1	Overhead Guard	
24	P00245	2	Capscrew, Hx, 3/8in-16 x 5in GR 8	
25	36478C	1	Seat, Operator's	
25	38380C	-	Suspension Seat, Operator's (Optional)	
26	P00102	2	Capscrew, Hx, 5/16in-18 x 3/4in	
27	P00303	2	Capscrew, Hx, 7/16in-14 x 1 1/4in	
28	P01405	4	Flatwasher, 7/16in	
29	39367B	1	Seat Belt - 2in Wide	
29	P25464	-	Seat Belt - 3in Wide (Note: Required in California)	
30	P01309	4	Lockwasher	
31	P01507	6	Nut, Hx, 5/16in-18	
32	36381B	1	Cover, Rear	
33	36006E	1	Operator's Compartment	
33	39443D	-	Operator's Compartment - 1044C-54 only	
34	P05003	2	Locknut, Hx, 7/16in-14	
35	38246B	1	Storage Box	
36	P00202	4	Capscrew, Hx, 3/8in-16 x 3/4in	
37	P01310	4	Lockwasher 3/8in	
38	36955B	1	Step, Operator's	
39	66491A	AR	Shim, Step, 14 GA (.075in)	
39	66492A	AR	Shim, Step, 12 GA (.105in)	
40	37113X	3	Screw, Phillips Truss Hd, 5/16in-18 x 1 1/2in	
41	36849B	1	Cover, Side	
42	36958B	1	Cover, Front	
43	P00641	2	Capscrew, Hx, 5/8in-11 x 4in GR 8	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	P32958	4	Pop-Rivet, Aluminum, 1/8in Dia x .337in Long	
45	37364X	1	Holder, Flip Card	
46	38718A	1	3-Ring Hanger, Flip Card	
47	36542B	1	Mounting Plate, Decal (Note: Used with Optional Enclosed Cab Only)	
48	P01308	2	Lockwasher, 1/4in (Note: Used with Optional Enclosed Cab Only)	
49	P00001	2	Capscrew, Hx, 1/4in-20 x 1/2in (Note: Used with Optional Enclosed Cab Only)	
50	65862B	1	Seat Mount, Left (Note: Not Used with Optional Suspension Seat)	
51	65863B	1	Seat Mount, Right (Note: Not Used with Optional Suspension Seat)	
Ref	55000D	-	Kit, Cab Enclosure, Field Installed (Note: Not Illustrated)	

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FIGURE 3-9. OPERATOR'S COMPARTMENT ASSEMBLY (10K-42,10K-54,6K-37,6K-42,8K-42)
(6K-37 SN 101 through 420; 6K-42 SN 101 through 137; 8K-42 SN 101 through 273; 10K-42 SN 101 through 108; 10K-54 SN 101 through 109)



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**FIGURE 3-9. OPERATOR'S COMPARTMENT ASSEMBLY (10K-42,10K-54,6K-37,6K-42,8K-42)
(6K-37 SN 101 through 420; 6K-42 SN 101 through 137; 8K-42 SN 101 through 273; 10K-42 SN 101
through 108; 10K-54 SN 101 through 109)**

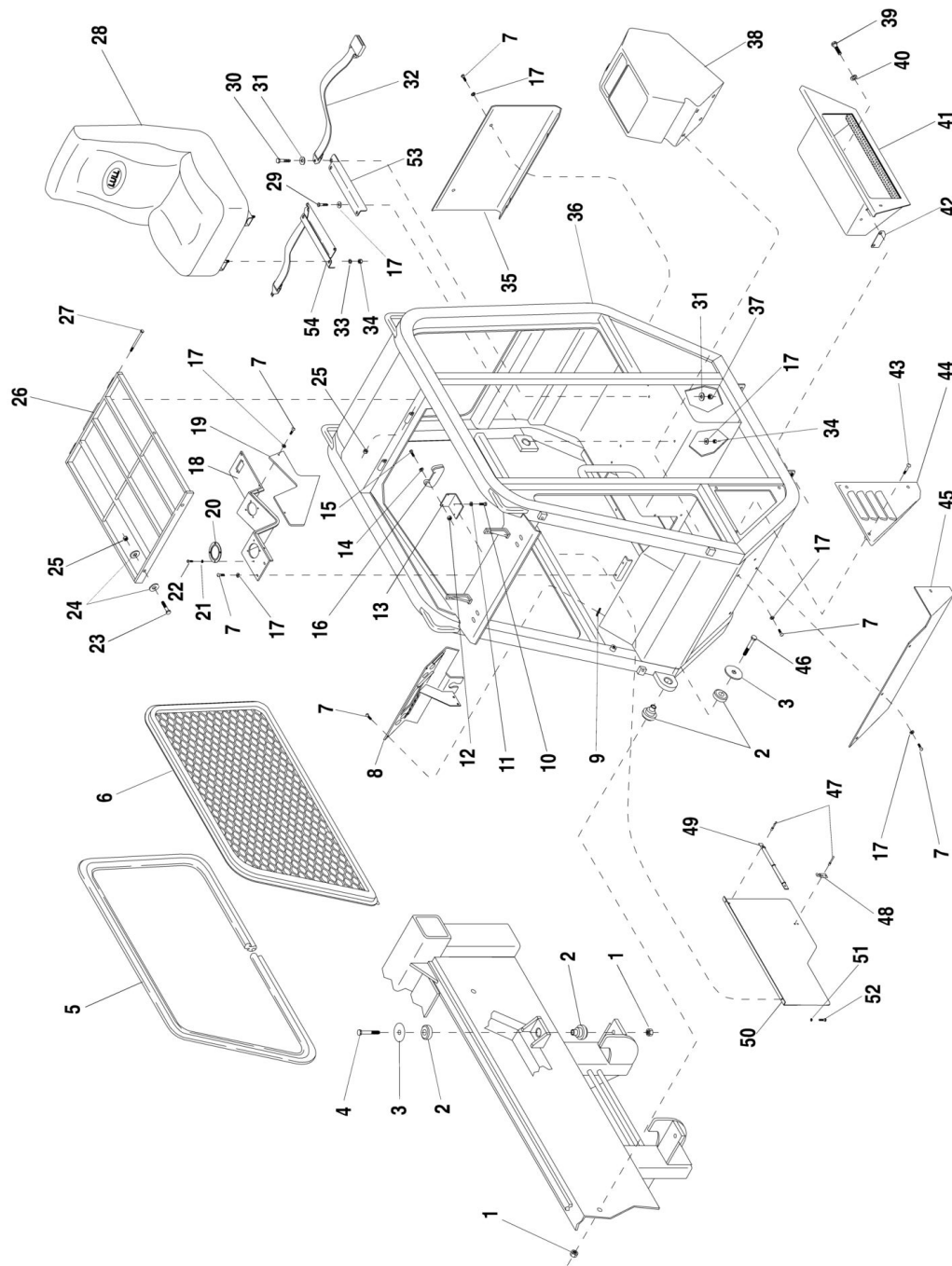
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	36479X	4	Crownlock Nut, Hx, 5/8in-11	
2	P33152	4	Rubber Mount, Two Piece	
3	36262A	4	Snubbing Washer	
4	P00642	2	Capscrew, Hx, 5/8in-11 x 4 1/2in GR 8	
5	N12354	1	Rubber Locking Channel	
6	39390C	1	Screen, Slide (Replaces 38172C)	
7	P27829	24	Screw, Phillips Truss Hd, 5/16in-18 x 3/4in	
8	36393B	1	Instrument Panel	
9	P20459	4	Speed Nut	
10	P02054	2	Screw, Slotted Rd Hd, #10-24 x 1/2in	
11	P01306	2	Lockwasher, #10	
12	P01653	2	Locknut, Hx, #8-32	
13	32775B	1	Mounting Bracket, Level Indicator	
14	P01427	2	Flatwasher, #8 SAE	
15	P02034	2	Screw, Slotted Rd Hd, #8-32 x 1/2in	
16	P28470	1	Level Indicator	
17	P01403	20	Flatwasher, 5/16in	
18	36383C	1	Control Panel with Outriggers	
18	36396C	-	Control Panel (Note: Not Illustrated)	
19	36436B	1	Side Cover, Control Panel	
20	38316A	1	Cup Holder	
21	P01357	4	Starwasher, 1/4in External	
22	P03196	4	Capscrew, Button Hd Socket, 1/4in-20 x 3/4in	
23	P00234	2	Capscrew, Hx, 3/8in-16 x 1 3/4in GR 8	
24	P01404	4	Flatwasher, 3/8in	
25	P01658	4	Locknut, Hx, 3/8in-16	
26	36887C	1	Overhead Guard	
27	P00245	2	Capscrew, Hx, 3/8in-16 x 5in GR 8	
28	36478C	1	Seat, Operator's	
28	38380C	-	Suspension Seat, Operator's (Optional)	
29	P00102	2	Capscrew, Hx, 5/16in-18 x 3/4in	
30	P00303	2	Capscrew, Hx, 7/16in-14 x 1 1/4in	
31	P01405	4	Flatwasher, 7/16in	
32	39367B	1	Seat Belt - 2in Wide	
32	P25464	-	Seat Belt - 3in Wide (Note: Required in California)	
33	36439C	1	Seat Stand (Note: Not Used with Optional Suspension Seat)	
34	P01309	4	Lockwasher	
35	P01507	6	Nut, Hx, 5/16in-18	
36	36381B	1	Cover, Rear	
37	36006E	1	Operator's Compartment	
37	39443D	1	Operator's Compartment - 1044C-54 only	
38	P05003	2	Locknut, Hx, 7/16in-14	
39	38246B	1	Storage Box	
40	P00202	4	Capscrew, Hx, 3/8in-16 x 3/4in	
41	P01310	4	Lockwasher 3/8in	
42	36955B	1	Step, Operator's	
43	66491A	AR	Shim, Step, 14 GA (.075in)	
43	66492A	AR	Shim, Step, 12 GA (.105in)	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	37113X	3	Screw, Phillips Truss Hd, 5/16in-18 x 1 1/2in	
45	36849B	1	Cover, Side	
46	36958B	1	Cover, Front	
47	P00641	2	Capscrew, Hx, 5/8in-11 x 4in GR 8	
48	P32958	4	Pop-Rivet, Aluminum, 1/8in Dia x .337in Long	
49	37364X	1	Holder, Flip Card	
50	38718A	1	3-Ring Hanger, Flip Card	
51	36542B	1	Mounting Plate, Decal (Note: Used with Optional Enclosed Cab Only)	
52	P01308	2	Lockwasher, 1/4in (Note: Used with Optional Enclosed Cab Only)	
53	P00001	2	Capscrew, Hx, 1/4in-20 x 1/2in (Note: Used with Optional Enclosed Cab Only)	
54	65862B	1	Seat Mount, Left (Note: Not Used with Optional Suspension Seat)	
55	65863B	1	Seat Mount, Right (Note: Not Used with Optional Suspension Seat)	
Ref	55000D	-	Kit, Cab Enclosure, Field Installed (Note: Not Illustrated)	

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FIGURE 3-10. OPERATOR'S COMPARTMENT ASSEMBLY (10K-42,10K-54,6K-37,6K-42,8K-42)
(6K-37 SN 421 to Present; 6K-42 SN 138 to Present; 8K-42 SN 274 to Present; 10K-42 SN 109 to Present; 10K-54 SN 110 to Present)



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**FIGURE 3-10. OPERATOR'S COMPARTMENT ASSEMBLY (10K-42,10K-54,6K-37,6K-42,8K-42)
(6K-37 SN 421 to Present; 6K-42 SN 138 to Present; 8K-42 SN 274 to Present; 10K-42 SN 109 to Present; 10K-54 SN 110 to Present)**

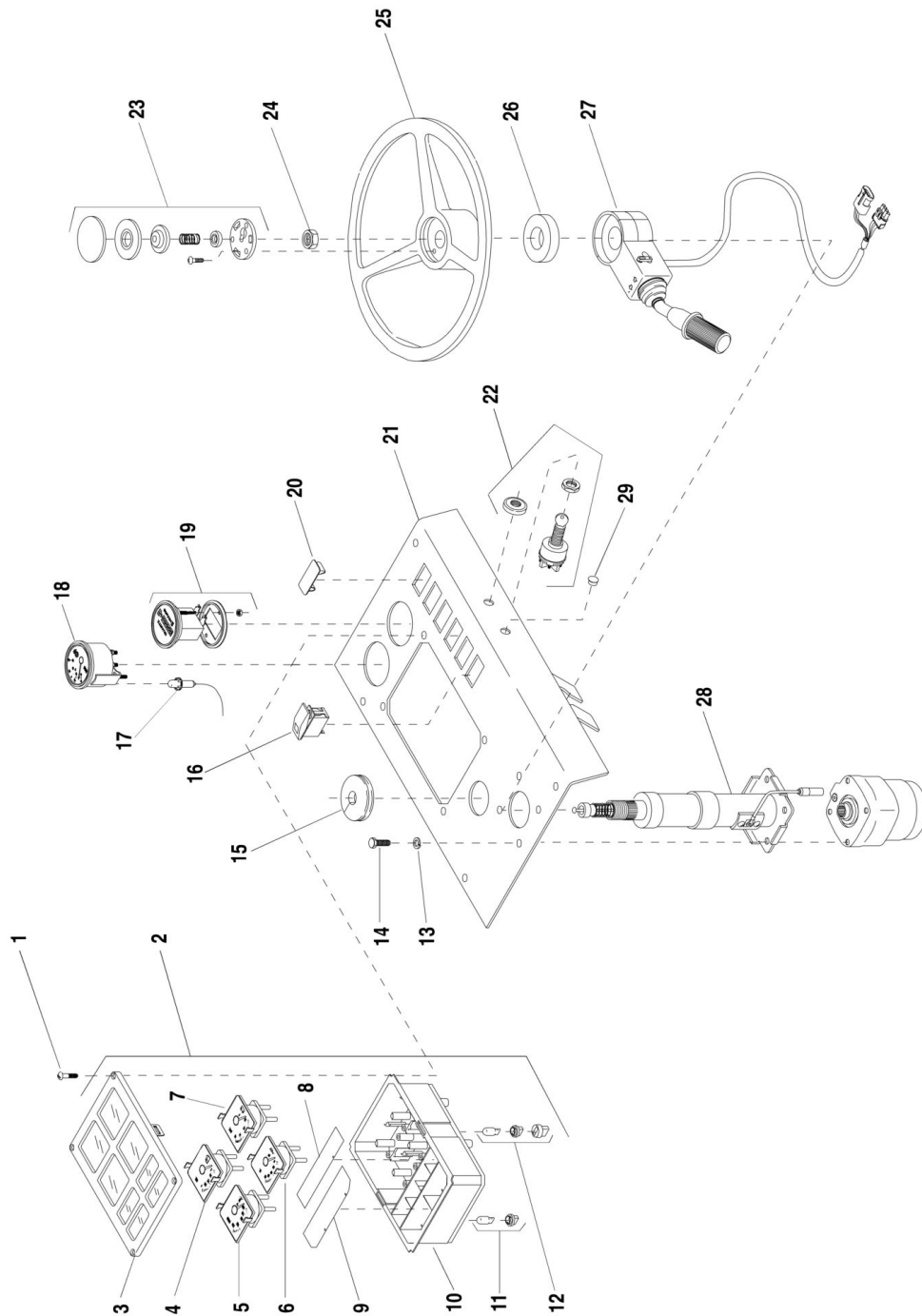
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	36479X	4	Crownlock Nut, Hx, 5/8in-11	
2	P33152	4	Rubber Mount, Two Piece	
3	36262A	4	Snubbing Washer	
4	P00642	2	Capscrew, Hx, 5/8in-11 x 4 1/2in GR 8	
5	N12354	1	Rubber Locking Channel	
6	39390C	1	Screen, Side (Replaces 38172C)	
7	P27829	24	Screw, Phillips Truss Hd, 5/16in-18 x 3/4in	
8	65545B	1	Instrument Panel	
9	P20459	4	Speed Nut	
10	P02054	2	Screw, Slotted Rd Hd, #10-24 x 1/2in	
11	P01306	2	Lockwasher, #10	
12	P01653	2	Locknut, Hx, #8-32	
13	32775B	1	Mounting Bracket, Level Indicator	
14	P01427	2	Flatwasher, #8 SAE	
15	P02034	2	Screw, Slotted Rd Hd, #8-32 x 1/2in	
16	P28470	1	Level Indicator	
17	P01403	20	Flatwasher, 5/16in	
18	36383C	1	Control Panel with Outriggers	
18	36396C	-	Control Panel (Note: Not Illustrated)	
19	36436B	1	Side Cover, Control Panel	
20	38316A	1	Cup Holder	
21	P01357	4	Starwasher, 1/4in External	
22	P03196	4	Capscrew, Button Hd Socket, 1/4in-20 x 3/4in	
23	P00234	2	Capscrew, Hx, 3/8in-16 x 1 3/4in GR 8	
24	P01404	4	Flatwasher, 3/8in	
25	P01658	4	Locknut, Hx, 3/8in-16	
26	36887C	1	Overhead Guard	
27	P00245	2	Capscrew, Hx, 3/8in-16 x 5in GR 8	
28	36478C	1	Seat, Operator's	
28	38380C	-	Suspension Seat, Operator's (Optional)	
29	P00102	2	Capscrew, Hx, 5/16in-18 x 3/4in	
30	P00303	2	Capscrew, Hx, 7/16in-14 x 1 1/4in	
31	P01405	4	Flatwasher, 7/16in	
32	39367B	1	Seat Belt - 2in Wide	
32	P25464	-	Seat Belt - 3in Wide (Note: Required in California)	
33	P01309	4	Lockwasher	
34	P01507	6	Nut, Hx, 5/16in-18	
35	36381B	1	Cover, Rear	
36	36006E	1	Operator's Compartment	
36	39443D	1	Operator's Compartment (1044C-54)	
37	P05003	2	Locknut, Hx, 7/16in-14	
38	38246B	1	Storage Box	
39	P00202	4	Capscrew, Hx, 3/8in-16 x 3/4in	
40	P01310	4	Lockwasher 3/8in	
41	36955B	1	Step, Operator's	
42	66491A	AR	Shim, Step, 14 GA (.075in)	
42	66492A	AR	Shim, Step, 12 GA (.105in)	
43	37113X	3	Screw, Phillips Truss Hd, 5/16in-18 x 1 1/2in	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	36849B	1	Cover, Side	
45	36958B	1	Cover, Front	
46	P00641	2	Capscrew, Hx, 5/8in-11 x 4in GR 8	
47	P32958	4	Pop-Rivet, Aluminum, 1/8in Dia x .337in Long	
48	37364X	1	Holder, Flip Card	
49	38718A	1	3-Ring Hanger, Flip Card	
50	36542B	1	Mounting Plate, Decal (Note: Used with Optional Enclosed Cab Only)	
51	P01308	2	Lockwasher, 1/4in (Note: Used with Optional Enclosed Cab Only)	
52	P00001	2	Capscrew, Hx, 1/4in-20 x 1/2in (Note: Used with Optional Enclosed Cab Only)	
53	65862B	1	Seat Mount, Left (Note: Not Used with Optional Suspension Seat)	
54	65863B	1	Seat Mount, Right (Note: Not Used with Optional Suspension Seat)	
Ref	55000D	-	Kit, Cab Enclosure, Field Installed (Note: Not Illustrated)	

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FIGURE 3-11. INSTRUMENT PANEL ASSEMBLY (1044C-42,1044C-54,10K-42,10K-54,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 101 through 970; 644B-42 SN 101 through 262; 844C-42 SN 101 through 850; 1044C-42 SN 101 through 121; 1044C-54 SN 101 through 254; 6K-37 SN 101 through 420; 6K-42 SN 101 through 137; 8K-42 SN 101 through 273; 10K-42 SN 101 through 108; 10K-54 SN 101 through 109)



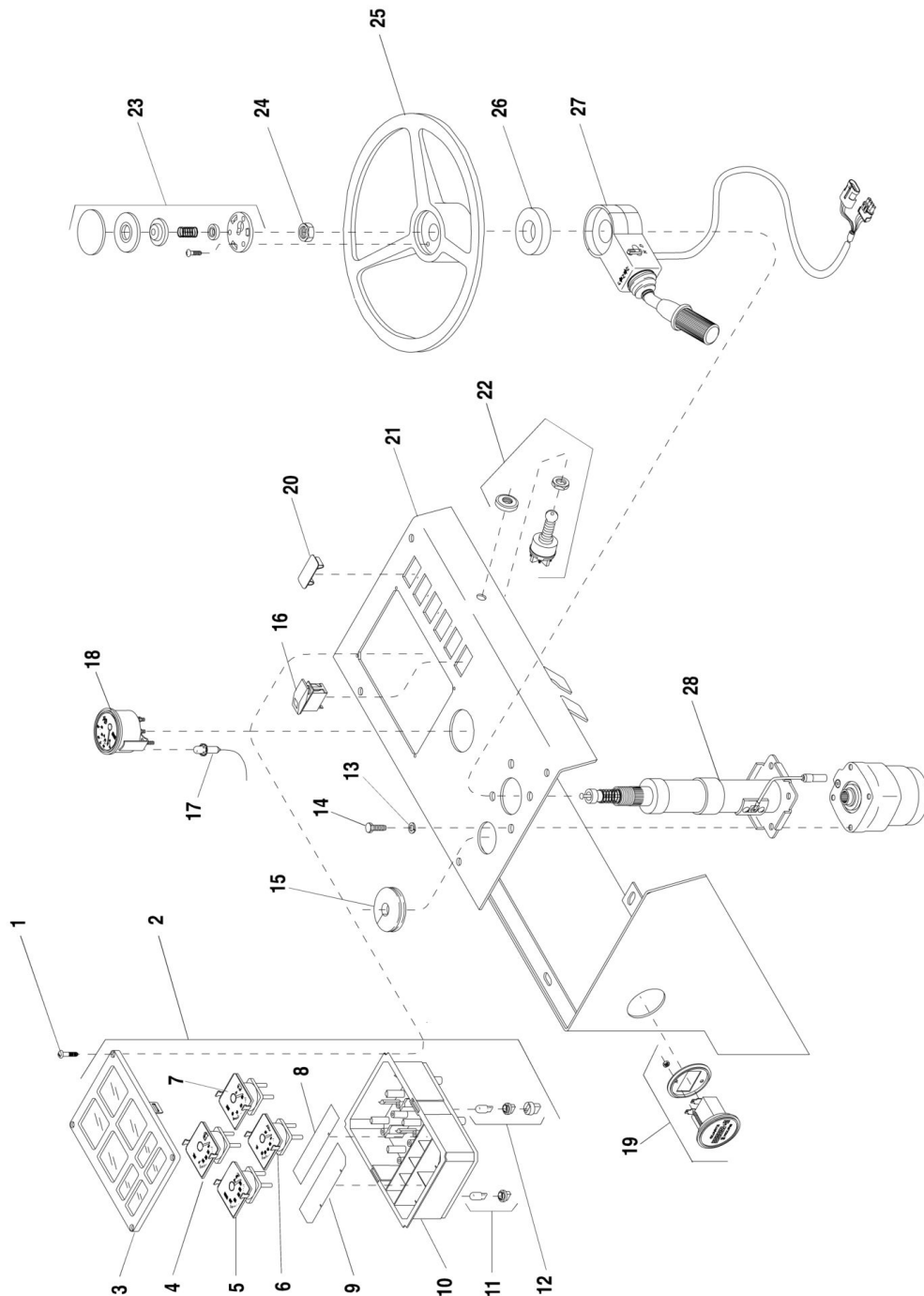
SECTION 3 - FRAME AND OPERATOR'S COMPARTMENT

FIGURE 3-11. INSTRUMENT PANEL ASSEMBLY (1044C-42,1044C-54,10K-42,10K-54,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 101 through 970; 644B-42 SN 101 through 262; 844C-42 SN 101 through 850; 1044C-42 SN 101 through 121; 1044C-54 SN 101 through 254; 6K-37 SN 101 through 420; 6K-42 SN 101 through 137; 8K-42 SN 101 through 273; 10K-42 SN 101 through 108; 10K-54 SN 101 through 109)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P02057	4	Screw, Slotted Rd Hd, #10-24 x 3/4in	
2	36830B	1	Cluster, Gauge (Includes Items 3-12)	
3	37330X	1	Bezel	
4	37331X	1	Gauge, Fuel	
5	37332X	1	Gauge, Water Temperature	
6	37333X	1	Gauge, Oil Pressure	
7	37334X	1	Gauge, Voltmeter	
8	38222B	1	Lens, "Transmission Disconnect", "Brake" and "Park Brake"	
9	38221B	1	Lens, "Rear Osc Lock" and "Boom/Transfer Extend Lock Out"	
10	N.S.S.	1	Body, Cluster Gauge	
11	37328X	6	Light Socket (with G.E. #194 Lamp)	
12	37329X	2	Light Socket (with G.E. #168 Lamp)	
13	P01310	4	Lockwasher, 3/8in	
14	P00205	4	Capscrew, Hx, 3/8in-16 x 1 1/4in	
15	P32575	1	Grommet	
16	38094A	1	Switch, Rocker (Transmission Declutch)	
17	38462A	1	Light Source	
18	36805X	1	Gauge, Transmission Oil Temp	
19	36804X	1	Gauge, Hourmeter	
20	36512X	5	Plug, Hole	
21	36393B	1	Instrument Panel	
22	P11092	1	Switch, Ignition	
22	P32926	-	Key	
23	P18141	1	Horn Button	
24	P13009	1	Nut, Steering	
25	P28704	1	Steering Wheel	
26	34667A	1	Mounting Pad, Rubber	
27	65014B	1	Shift Control, Electric (Note: Use 35367A for the Following Machine(s) 644B-37 (S/N 101 through 880), 644B-42 (S/N 101 through 241) 844C-42 (S/N 101 through 783), 1044C-42 (S/N 101 through 121), 1044C-54 (S/N 101 through 215), 6K-37 (S/N 101 through 397), 6K-42 (S/N 101 through 131), 8K-42 (S/N 101 through 261), 10K-42 (S/N 101 through 107), 10K-54 (S/N 101 through 108,110))	
28	P33122	1	Steering Column (See STEER COLUMN ASSEMBLY for Breakdown)	
29	P19430	1	Hole Plug, Cap	
		Ref	N.S.S. = Not Sold Separately	

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FIGURE 3-12. INSTRUMENT PANEL ASSEMBLY (1044C-42,1044C-54,10K-42,10K-54,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 971 to Present; 644B-42 SN 263 through 1176; 844C-42 SN 851 through 3049; 1044C-42 SN 122 through 126; 1044C-54 SN 255 through 881; 6K-37 SN 421 to Present; 6K-42 SN 138 through 226; 8K-42 SN 274 through 427; 10K-42 SN 109 through 114; 10K-54 SN 110 through 113)



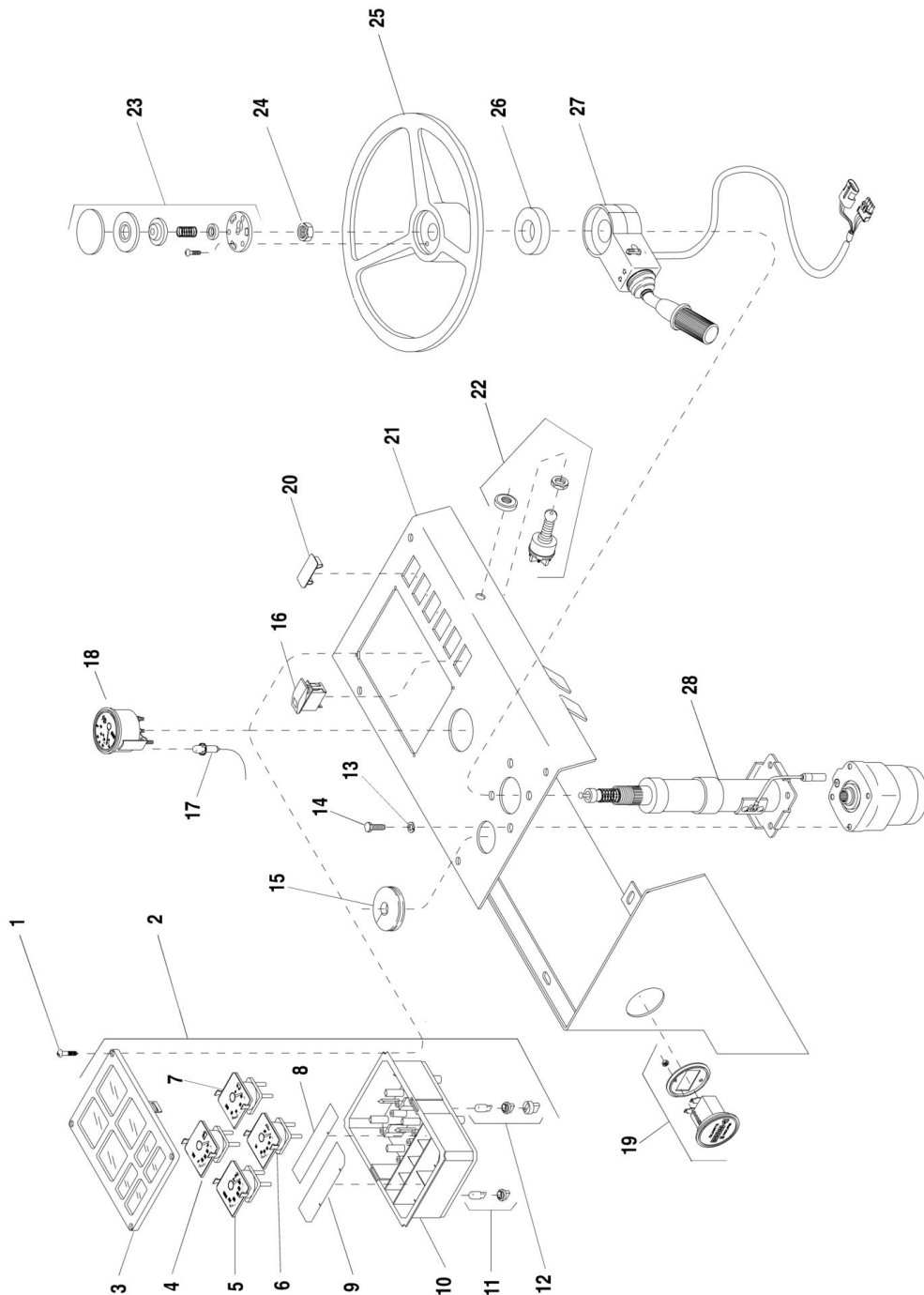
SECTION 3 - FRAME AND OPERATOR'S COMPARTMENT

FIGURE 3-12. INSTRUMENT PANEL ASSEMBLY (1044C-42,1044C-54,10K-42,10K-54,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 971 to Present; 644B-42 SN 263 through 1176; 844C-42 SN 851 through 3049; 1044C-42 SN 122 through 126; 1044C-54 SN 255 through 881; 6K-37 SN 421 to Present; 6K-42 SN 138 through 226; 8K-42 SN 274 through 427; 10K-42 SN 109 through 114; 10K-54 SN 110 through 113)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P02057	4	Screw, Slotted Rd Hd, #10-24 x 3/4in	
2	36830B	1	Cluster, Gauge (Includes Items 3-12)	
3	37330X	1	Bezel	
4	37331X	1	Gauge, Fuel	
5	37332X	1	Gauge, Water Temperature	
6	37333X	1	Gauge, Oil Pressure	
7	37334X	1	Gauge, Voltmeter	
8	38222B	1	Lens, "Transmission Disconnect", "Brake" and "Park Brake"	
9	38221B	1	Lens, "Rear Osc Lock" and "Boom/Transfer Extend Lock Out"	
10	N.S.S.	1	Body, Cluster Gauge	
11	37328X	6	Light Socket (with G.E. #194 Lamp)	
12	37329X	2	Light Socket (with G.E. #168 Lamp)	
13	P01310	4	Lockwasher, 3/8in	
14	P00205	4	Capscrew, Hx, 3/8in-16 x 1 1/4in	
15	P32575	1	Grommet	
16	38094A	1	Switch, Rocker (Transmission Declutch)	
17	38462A	1	Light Source	
18	36805X	1	Gauge, Transmission Oil Temp	
19	36804X	1	Gauge, Hourmeter	
20	36512X	5	Plug, Hole	
21	65545B	1	Instrument Panel	
22	P11092	1	Switch, Ignition	
22	P32926	-	Key	
23	P18141	1	Horn Button	
24	P13009	1	Nut, Steering	
25	P28704	1	Steering Wheel	
26	34667A	1	Mounting Pad, Rubber	
27	65014B	1	Shift Control, Electric	
28	P33122	1	Steering Column (See STEER COLUMN ASSEMBLY for Breakdown)	
		Ref	N.S.S. = Not Sold Separately	

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FIGURE 3-13. INSTRUMENT PANEL ASSEMBLY (1044C-42,1044C-54,10K-42,10K-54,644B-42,6K-42,844C-42,8K-42) (644B-42 SN 1177 to Present; 844C-42 SN 3050 to Present; 1044C-42 SN 126 to Present; 1044C-54 SN 882 to Present; 6K-42 SN 227 to Present; 8K-42 SN 428 to Present; 10K-42 SN 115 to Present; 10K-54 SN 113 to Present)



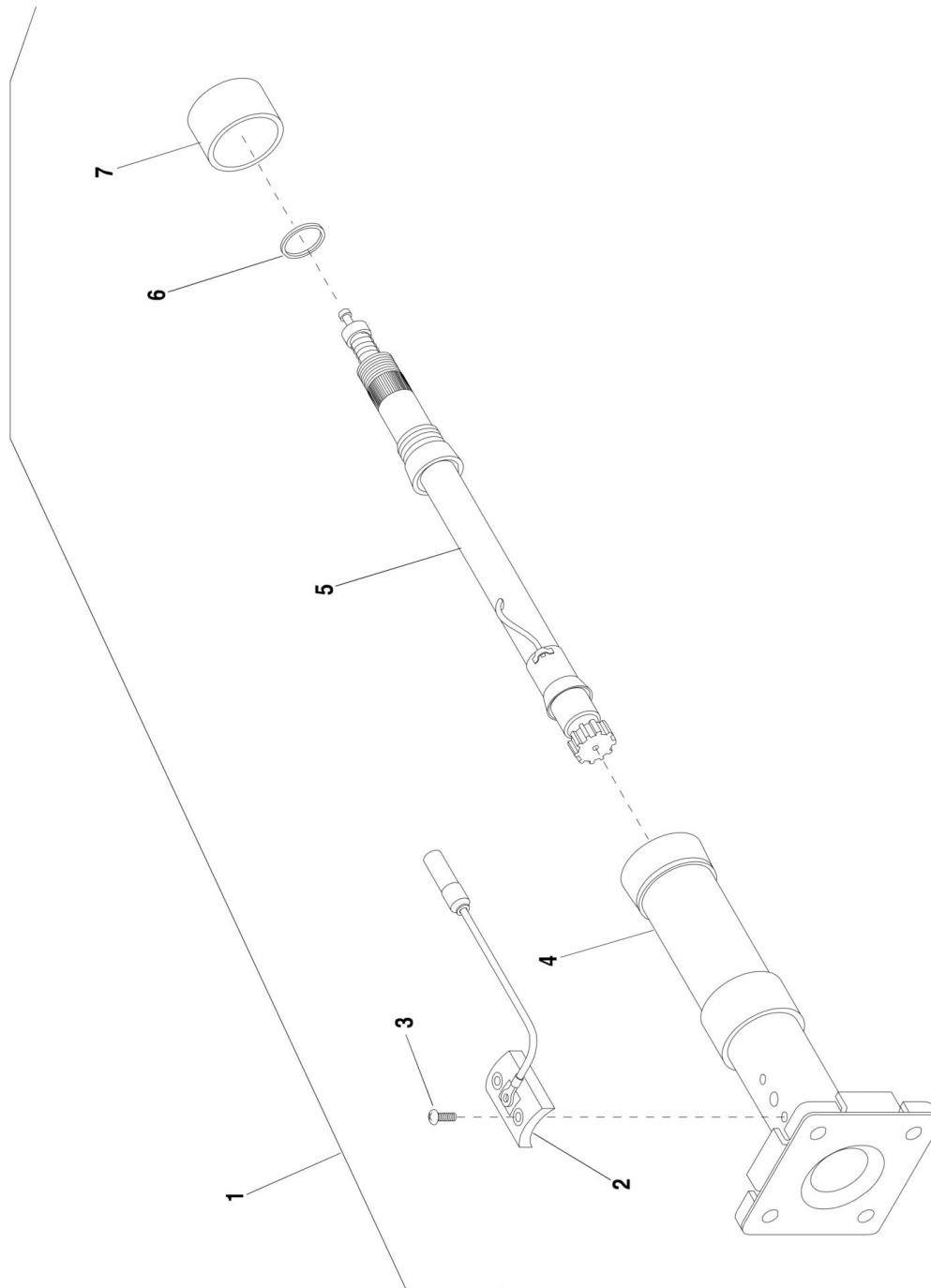
SECTION 3 - FRAME AND OPERATOR'S COMPARTMENT

FIGURE 3-13. INSTRUMENT PANEL ASSEMBLY (1044C-42,1044C-54,10K-42,10K-54,644B-42,6K-42,844C-42,8K-42) (644B-42 SN 1177 to Present; 844C-42 SN 3050 to Present; 1044C-42 SN 126 to Present; 1044C-54 SN 882 to Present; 6K-42 SN 227 to Present; 8K-42 SN 428 to Present; 10K-42 SN 115 to Present; 10K-54 SN 113 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P02057	4	Screw, Slotted Rd Hd, #10-24 x 3/4in	
2	36830B	1	Cluster, Gauge (Includes Items 3-12)	
3	37330X	1	Bezel	
4	37331X	1	Gauge, Fuel	
5	37332X	1	Gauge, Water Temperature	
6	37333X	1	Gauge, Oil Pressure	
7	37334X	1	Gauge, Voltmeter	
8	38222B	1	Lens, "Transmission Disconnect", "Brake" and "Park Brake"	
9	38221B	1	Lens, "Rear Osc Lock" and "Boom/Transfer Extend Lock Out"	
10	N.S.S.	1	Body, Cluster Gauge	
11	37328X	6	Light Socket (with G.E. #194 Lamp)	
12	37329X	2	Light Socket (with G.E. #168 Lamp)	
13	P01310	4	Lockwasher, 3/8in	
14	P00205	4	Capscrew, Hx, 3/8in-16 x 1 1/4in	
15	P32575	1	Grommet	
16	38094A	1	Switch, Rocker (Transmission Declutch)	
17	38462A	1	Light Source	
18	36805X	1	Gauge, Transmission Oil Temp	
19	36804X	1	Gauge, Hourmeter	
20	36512X	5	Plug, Hole	
21	65545B	1	Instrument Panel	
22	1101202	1	Switch, Ignition (includes 2ea keys)	
22	1101203	-	Key	
23	P18141	1	Horn Button	
24	P13009	1	Nut, Steering	
25	P28704	1	Steering Wheel	
26	34667A	1	Mounting Pad, Rubber	
27	65014B	1	Shift Control, Electric	
28	P33122	1	Steering Column (See STEER COLUMN ASSEMBLY for Breakdown)	
		Ref	N.S.S. = Not Sold Separately	

SECTION 3 - FRAME AND OPERATOR'S COMPARTMENT

FIGURE 3-14. STEER COLUMN ASSEMBLY (1044C-42,1044C-54,10K-42,10K-54,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)



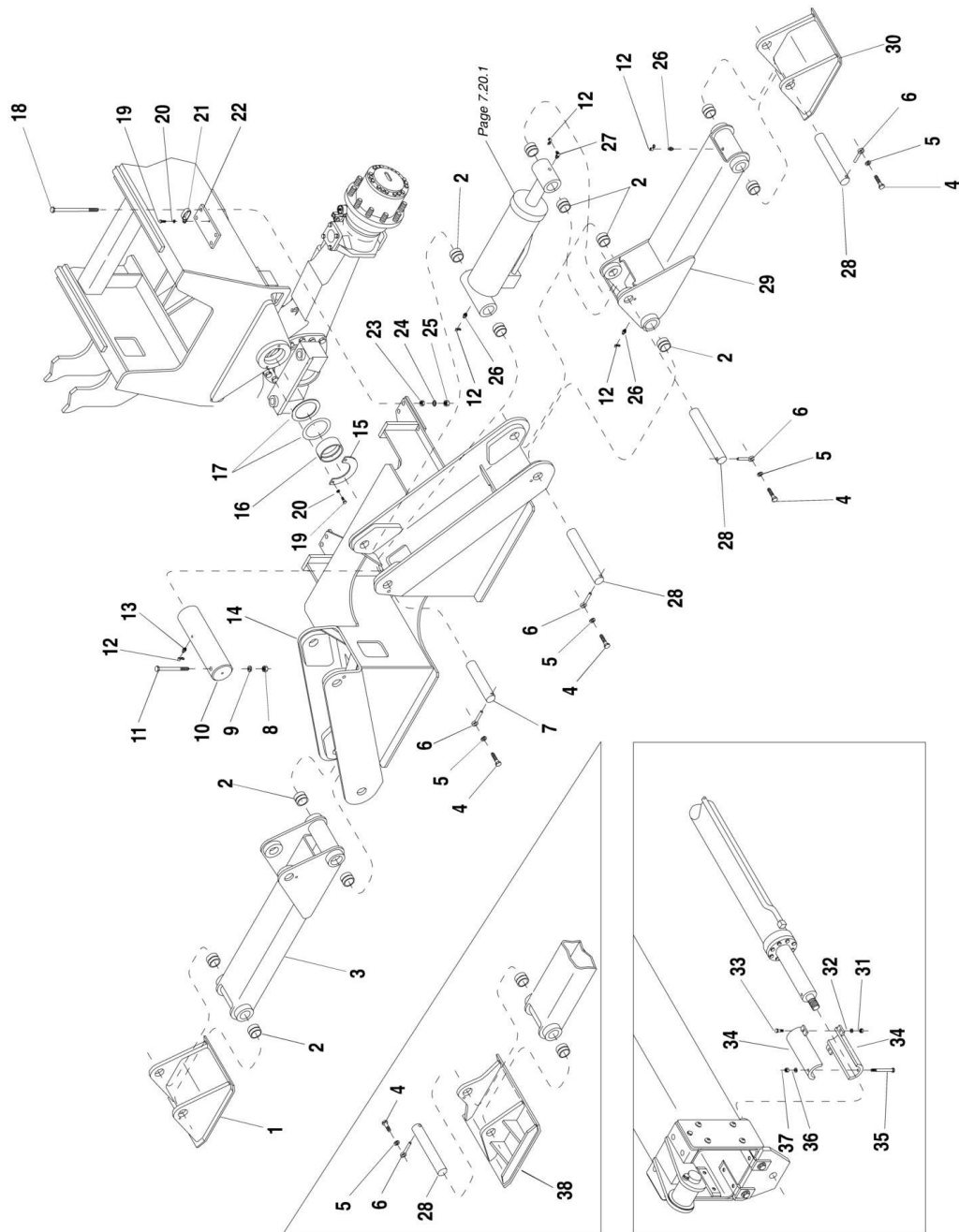
SECTION 3 - FRAME AND OPERATOR'S COMPARTMENT

FIGURE 3-14. STEER COLUMN ASSEMBLY (1044C-42,1044C-54,10K-42,10K-54,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P33122	1	Steer Column Assembly	
2	P18740	1	Brush Assembly (Includes Item 3)	
3	N.S.S.	2	Screw	
4	N.S.S.	1	Tube Assembly	
5	N.S.S.	1	Shaft Assembly	
6	N.S.S.	1	Retainer, Shaft	
7	P18738	1	Cap, Tube	
		Ref	N.S.S. = Not Sold Separately	

SECTION 3 - FRAME AND OPERATOR'S COMPARTMENT

FIGURE 3-15. OUTRIGGER ASSEMBLY (1044C-42,1044C-54,10K-42,10K-54) (1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)



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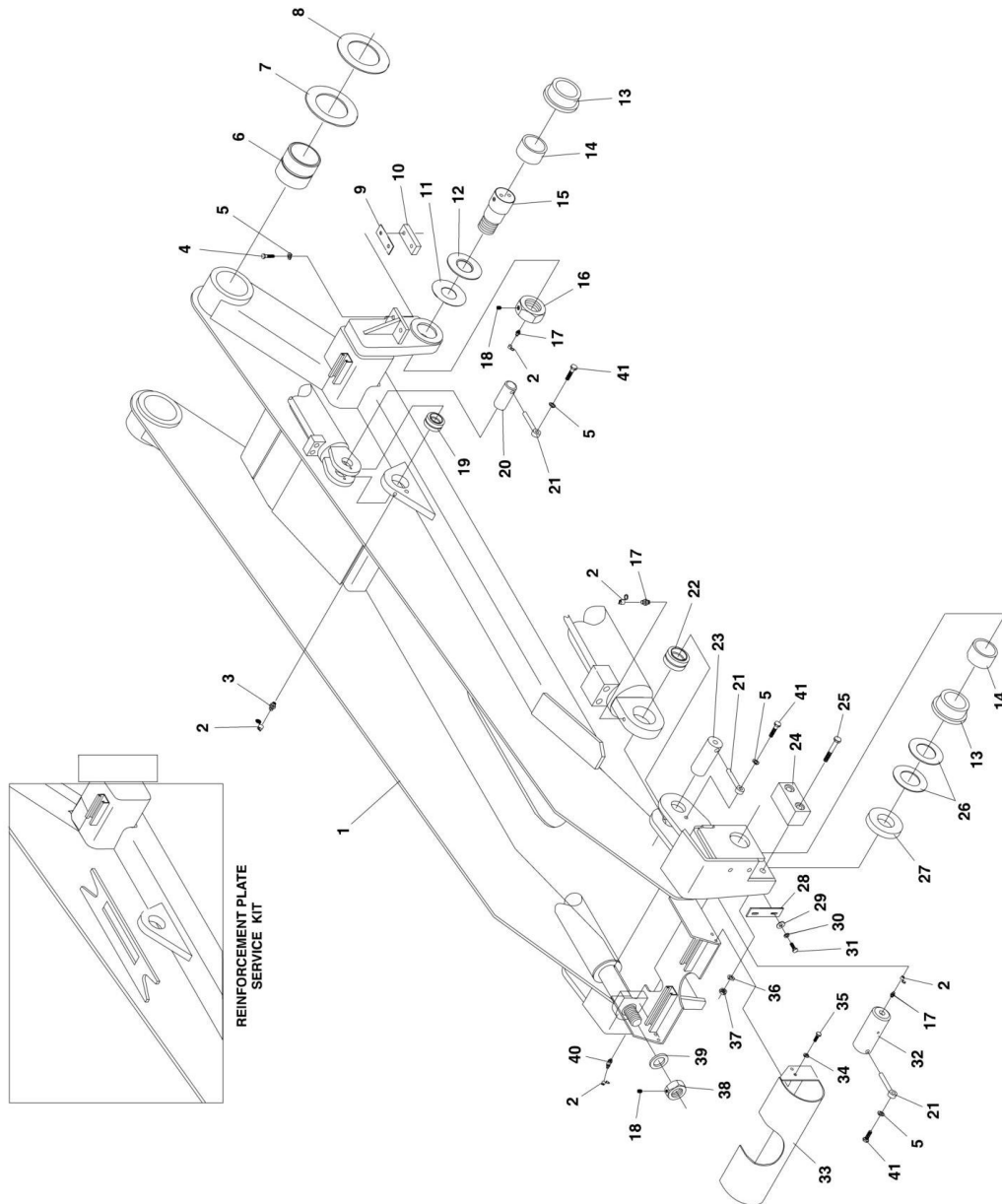
FIGURE 3-15. OUTRIGGER ASSEMBLY (1044C-42,1044C-54,10K-42,10K-54) (1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	65362B	1	Foot Pad, R.H.	
2	16228A	16	Bushing	
3	39253B	1	Outrigger Leg, R.H. (Includes Item 2)	
4	P00602	8	Capscrew, Hx, 5/8in-11 x 1 1/2in	
5	P01314	8	Lockwasher, 5/8in	
6	32432B	8	Lock Pin	
7	65360A	2	Pin, Outrigger Cylinder - Base End	
8	P01513	1	Nut, Hx, 3/4in-10	
9	P01315	1	Lockwasher, 3/4in	
10	38749A	1	Shaft, Center	
11	P00716	1	Capscrew, Hx, 3/4in-10 x 7in	
12	P32689	9	Cover, Grease Fitting	
13	P15272	1	Grease Fitting - 1/8in N.P.T.	
14	39060D	1	Frame, Outrigger	
15	10167750	1	Retainer, Bushing	
16	38739A	1	Bushing	
17	39945A	AR	Shim, 16 GA.	
17	39946A	AR	Shim, 20 GA.	
17	39947A	AR	Shim, 24 GA.	
18	P00798	8	Capscrew, Hx, 3/4in-16 x 12in GR 8	
19	P00202	4	Capscrew, Hx, 3/8in-16 x 3/4in	
20	P01310	4	Lockwasher, 3/8in	
21	37368X	2	Clamp, Double Hose	
22	38733A	2	Mounting Plate, Axle	
23	P01232	8	Nut, Hx, 3/4in-16 GR 8	
24	P01364	8	Starwasher, 3/4in	
25	P01586	8	Jam Nut, Hx, 3/4in-16	
26	P16611	6	Grease Fitting	
27	P12339	2	Grease Fitting, 45	
28	65359A	6	Pin, Outrigger Leg and Cylinder - Rod End	
29	39254B	1	Outrigger Leg, L.H. (Includes Item 2)	
30	65363B	1	Foot Pad, L.H.	
31	10700304	2	Capscrew, Hx, 7/16in-14 x 1 1/2in	
32	10701311	2	Lockwasher, 7/16in	
33	10701509	2	Nut, Hx, 7/16in-14	
34	1100255	2	Stop Tube (Replaces 38782A) (1044C-42,10K-42)	
35	P00218	1	Capscrew, Hx, 3/8in-16 x 5in (1044C-42,10K-42)	
36	P01310	1	Lockwasher, 3/8in (1044C-42,10K-42)	
37	P01508	1	Nut, Hx, 3/8in-16 (1044C-42,10K-42)	
38	66235B	1	Foot Pad, Extended R.H. (20in) (Note: Use with 8 ftTower)	
38	66234B	1	Foot Pad, Extended L.H. (20in) (Note: Use with 8 ftTower)	
38	66325B	1	Foot Pad, Slanted R.H. (24in) (Note: Use with 8 ftTower)	
38	66324B	1	Foot Pad, Slanted L.H. (24in) (Note: Use with 8 ftTower)	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

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FIGURE 4-1. TRANSFER CARRIAGE/BOOM CRADLE ASSEMBLY (1044C-42,1044C-54,644B-37,644B-42,844C-42) (644B-37 SN 101 through 1619; 644B-42 SN 101 through 1619, SN 16152 through 18321; 844C-42 SN 101 through 3969, SN 16038 through 18950; 1044C-42 SN 101 through 126; 1044C-54 SN 101 through 13891044C, SN 0160003111 to Present)



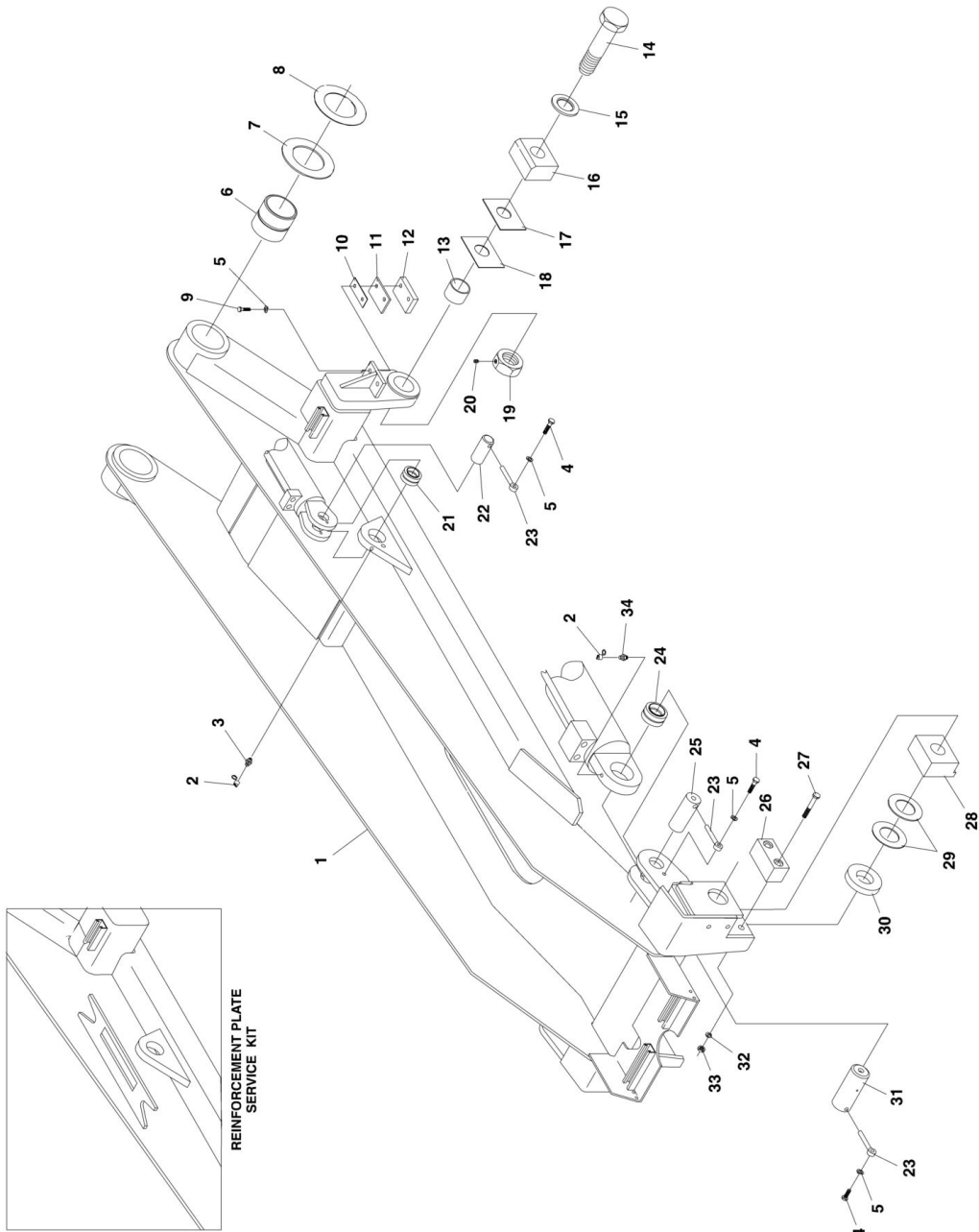
SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-1. TRANSFER CARRIAGE/BOOM CRADLE ASSEMBLY (1044C-42,1044C-54,644B-37,644B-42,844C-42) (644B-37 SN 101 through 1619; 644B-42 SN 101 through 1619, SN 16152 through 18321; 844C-42 SN 101 through 3969, SN 16038 through 18950; 1044C-42 SN 101 through 126; 1044C-54 SN 101 through 13891044C, SN 0160003111 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	38244C	1	Transfer Carriage	
2	P32689	8	Cover, Grease Fitting	
3	P15272	2	Grease Fitting, 1/8in N.P.T.	
4	P00453	4	Capscrew, Hx, 1/2in-20 x 1 1/4in	
4	P00403	-	Capscrew, Hx, 1/2in-13 x 1 1/4in (Note: Use with Aluminum Slide Blocks)	
5	P01312	10	Lockwasher, 1/2in	
6	32366B	2	Bushing, Boom Pivot	
7	38394A	AR	Shim - .06in (1.52mm)	
8	38395A	AR	Shim - .12in (3.05mm)	
9	65110A	AR	Shim, Slide Block, 11 GA (.1196in)	
9	18167A	AR	Shim, Slide Block, 22 GA (.0299in)	
10	65950A	2	Slide Block, Rear (Supersedes 18165A)	
11	18329A	AR	Washer, Spacer	
12	18328A	2	Thrust Washer	
13	15969B	4	Roller, Transfer	
14	24257A	4	Bushing, Roller	
15	18331B	2	Spindle, Rear Roller	
16	19920A	2	Nut, Rear Roller Spindle (Supersedes 16310A)	
17	P16611	5	Grease Fitting	
18	P02614	3	Setscrew, Socket Cup Pt, 3/8in-16 x 1/2in	
19	P13449	2	Bushing, Rear Carriage Tilt Cylinder Mount	
20	36464A	2	Pin, Rear Carriage Tilt Cylinder, Lower	
21	34178A	6	Lock Pin	
22	P18830	2	Bushing, Hoist Cylinder - Base End	
23	36487A	2	Pin, Hoist Cylinder - Base End	
24	15972A	2	Slide Block, Front	
25	P00708	4	Capscrew, Hx, 3/4in-10 x 3 1/2in	
26	17012A	AR	Shim, Roller	
27	17180A	2	Spacer, Roller	
28	16309A	2	Scraper Plate	
29	P01403	4	Flatwasher, 5/16in	
30	P01309	4	Lockwasher, 5/16in	
31	P00102	4	Capscrew, Hx, 5/16in-18 x 3/4in	
32	38090A	2	Pin, Front Roller	
33	65025B	1	Hose Cover, Plastic (Supersedes 36539B)	
34	P01308	4	Lockwasher, 1/4in	
35	P00004	4	Capscrew, Hx, 1/4in-20 x 3/4in	
36	P01315	4	Lockwasher, 3/4in	
37	P01513	4	Nut, Hx, 3/4in-10	
38	16369A	1	Nut, Transfer Cylinder	
39	15976A	1	Boss, Cylinder Rod	
40	P15367	1	Grease Fitting, 45	
41	P00403	10	Capscrew, Hx, 1/2in-13 x 1 1/4in	
	2915018	1	Reinforcement Plate Service Kit, (includes reinforcement plate) (Prior to SN 0160005337)	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-2. TRANSFER CARRIAGE/BOOM CRADLE ASSEMBLY (10K-42,10K-54,6K-37,6K-42,8K-42)
(6K-37 SN 101 through 226; 6K-42 SN 101 through 226; 8K-42 SN 101 through 469; 10K-42 SN 101 through 114; 10K-54 SN 101 through 124)



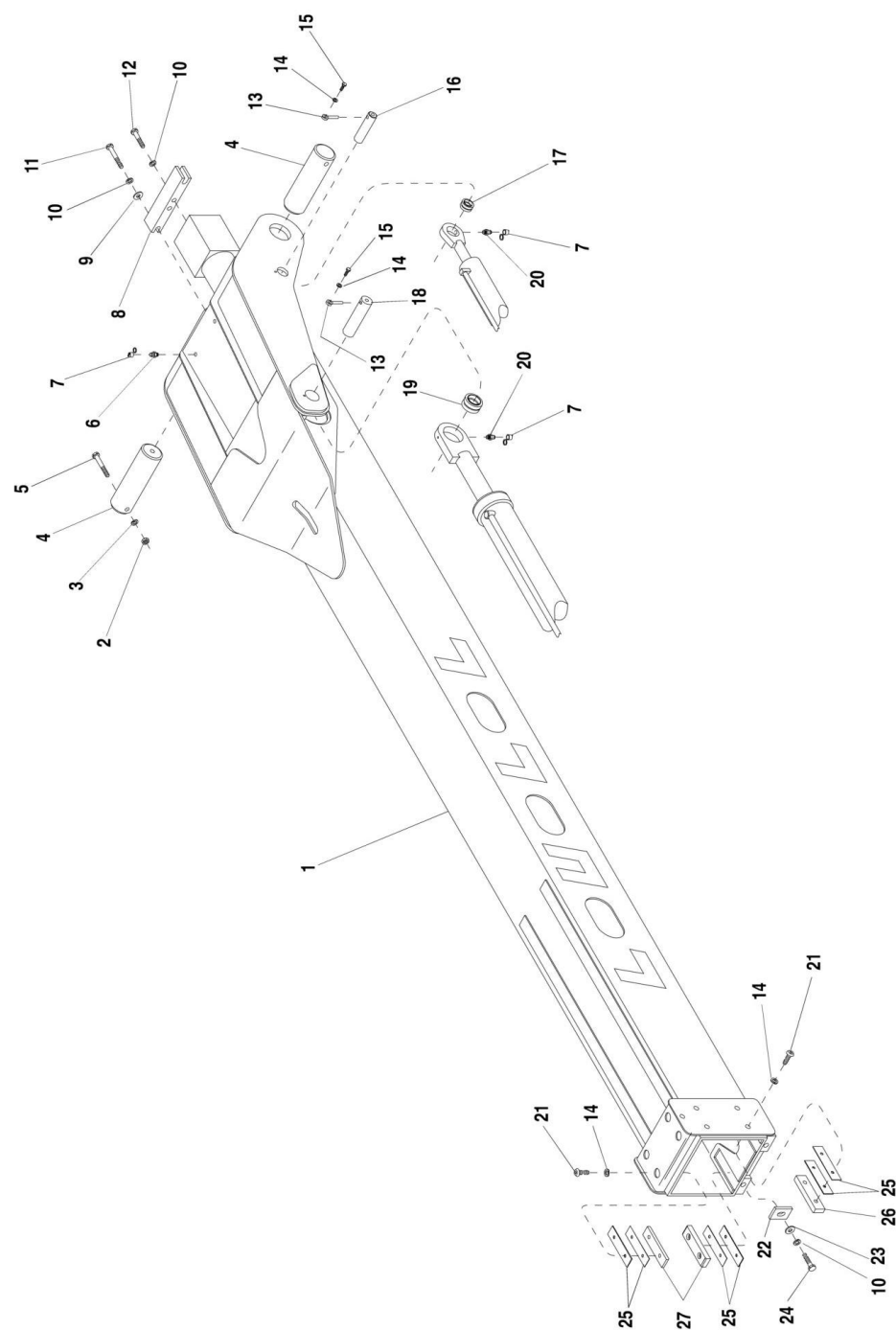
SECTION 4 - BOOM AND TRANSFER CARRIAGE

**FIGURE 4-2. TRANSFER CARRIAGE/BOOM CRADLE ASSEMBLY (10K-42,10K-54,6K-37,6K-42,8K-42)
(6K-37 SN 101 through 226; 6K-42 SN 101 through 226; 8K-42 SN 101 through 469; 10K-42 SN 101
through 114; 10K-54 SN 101 through 124)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	38244C	1	Transfer Carriage	
2	P32689	4	Cover, Grease Fitting	
3	P15272	2	Grease Fitting, 1/4in-28	
3	P16611	2	Grease Fitting, 1/8in N.P.T. (Note: Used Early Production)	
4	P00403	8	Capscrew, Hx, 1/2in-13 x 1 1/4in	
5	P01302	10	Lockwasher, 1/2in	
6	32366B	2	Bushing, Boom Pivot	
7	38394A	AR	Shim - .06in	
8	38395A	AR	Shim - .12in	
9	P00453	4	Capscrew, Hx, 1/2in-20 x 1 1/4in	
10	38379A	2	Shim, Support Block, 1/4in	
10	18167A	AR	Shim, Support Block, 22 GA (.0288in)	
10	65110A	AR	Shim, Support Block, 11 GA (.1196in)	
11	38379A	AR	Spacer, Rear Support Block	
12	65950A	2	Support Block, Rear (Replaces 38093A)	
13	38136A	2	Sleeve	
14	P05160	2	Capscrew, Hx, 2in-12 x 7 1/2in	
15	38066A	2	Washer, Flat	
16	38091A	2	Spacer Block	
17	38332A	2	Shim - 10 GA	
18	38331A	AR	Shim - 16 GA	
19	16310A	2	Nut, Rear Roller Spindle	
20	P02614	2	Setscrew, Socket Cup Pt, 3/8in-16 x 1/2in	
21	P13449	2	Bushing, Rear Carriage Tilt Cylinder Mount	
22	36464A	2	Pin, Rear Carriage Tilt Cylinder, Lower	
23	34178A	6	Lock Pin	
24	P18830	2	Bushing, Hoist Cylinder - Base End	
25	36487A	2	Pin, Hoist Cylinder - Base End	
26	15972A	2	Slide Block, Front	
27	P00708	4	Capscrew, Hx, 3/4in-10 x 3 1/2in	
28	38092A	2	Support Block, Front	
29	17012A	AR	Shim, Support Block	
30	17180A	2	Spacer, Support Block	
31	38090A	2	Pin, Front Roller	
32	P01315	4	Lockwasher, 3/4in	
33	P01513	4	Nut, Hx, 3/4-10	
34	P16611	2	Grease Fitting	
	2915018	1	Reinforcement Plate Service Kit, (includes reinforcement plate)	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-3. OUTER BOOM ASSEMBLY (2-SECTION) (644B-37,6K-37) (644B-37 SN 101 through 1422; 6K-37 SN 101 through 534)



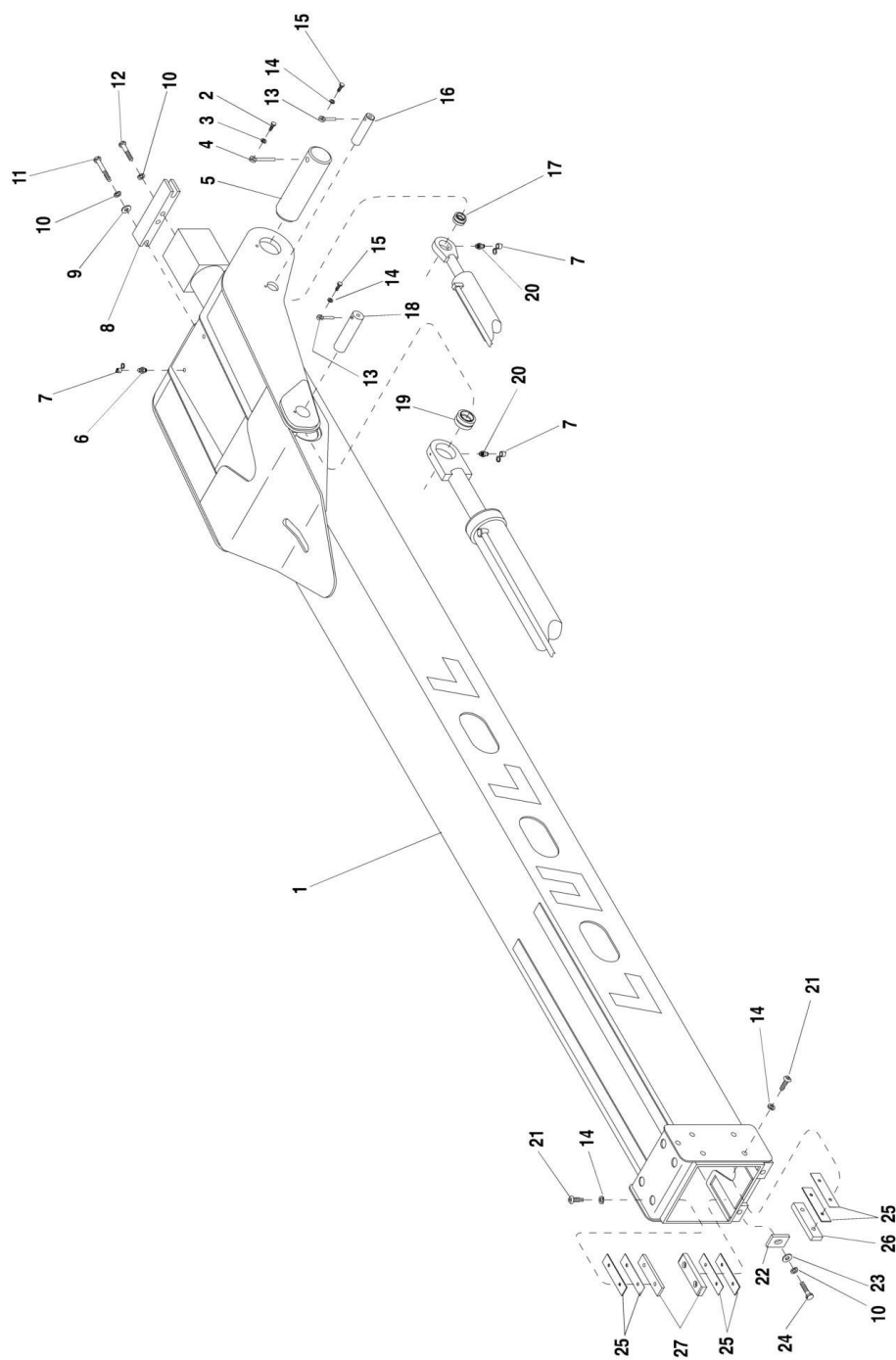
SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-3. OUTER BOOM ASSEMBLY (2-SECTION) (644B-37,6K-37) (644B-37 SN 101 through 1422; 6K-37 SN 101 through 534)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	N.L.A.	1	Outer Boom (Note: Order Outer Boom Replacement Kit 68537A)	
2	P01512	2	Nut, Hx, 5/8in-11	
3	P01314	2	Lockwasher, 5/8in	
4	36238B	2	Pin, Boom Pivot	
5	P00618	2	Capscrew, Hx, 5/8in-11 x 7in	
6	P11678	2	Grease Fitting, Drive	
7	P32689	6	Cover, Grease Fitting	
8	36459A	1	Rear Mount Support, Boom Extension Cylinder	
9	P01257	2	Flatwasher, 3/4in SAE - Hardened	
10	P01315	6	Lockwasher, 3/4in	
11	P00711	2	Capscrew, Hx, 3/4in-10 x 4 1/2in	
12	P00710	2	Capscrew, Hx, 3/4in-10 x 4in	
13	34178A	4	Lock Pin	
14	P01312	16	Lockwasher, 1/2in	
15	P00403	4	Capscrew, Hx, 1/2in-13 x 1 1/4in	
16	36240A	2	Pin, Rear Carriage Tilt - Rod End	
17	P13449	2	Bushing, Rear Carriage Tilt Cylinder	
18	36907A	2	Pin, Hoist Cylinder - Rod End	
19	P18830	2	Bushing, Hoist Cylinder	
20	P16611	4	Grease Fitting	
21	P03236	-	Capscrew, Button Hd Socket, 1/2in-20 x 3/4in (Note: Capscrew length will vary with shimming requirements)	
21	P03237	12	Capscrew, Button Hd Socket, 1/2in-20 x 1in (Note: Capscrew length will vary with shimming requirements)	
21	P03242	-	Capscrew, Button Hd Socket, 1/2in-20 x 1 1/4in (Note: Capscrew length will vary with shimming requirements)	
22	39809A	2	Pad Retainer, Aluminum (Replaces 36857A)	
23	P01440	2	Flatwasher, 3/4in SAE	
24	P00701	2	Capscrew, Hx, 3/4in-10 x 1 3/4in	
25	36328A	AR	Shim, 10 GA (.135in x 2in wide)	
25	36329A	AR	Shim, 16 GA (.060in x 2in wide)	
26	39023A	4	Slide Pad, Boom (9/16in x 2in wide) (Replaces 36854A)	
27	39024A	2	Slide Pad, Boom (3/4in x 2in wide) (Replaces 36854A) (Note: For 644B-37 S/N 101 through 403 & 6K-37 S/N 101 through 215 Use the 39604A, Slide Pad, Upper Boom (7/16in x 2in wide) and 39023A, Slide Pad, Lower Boom (9/16in x 2in wide))	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

**FIGURE 4-4. OUTER BOOM ASSEMBLY (2-SECTION) (644B-37,6K-37) (644B-37 SN 1423 to Present;
6K-37 SN 535 to Present)**



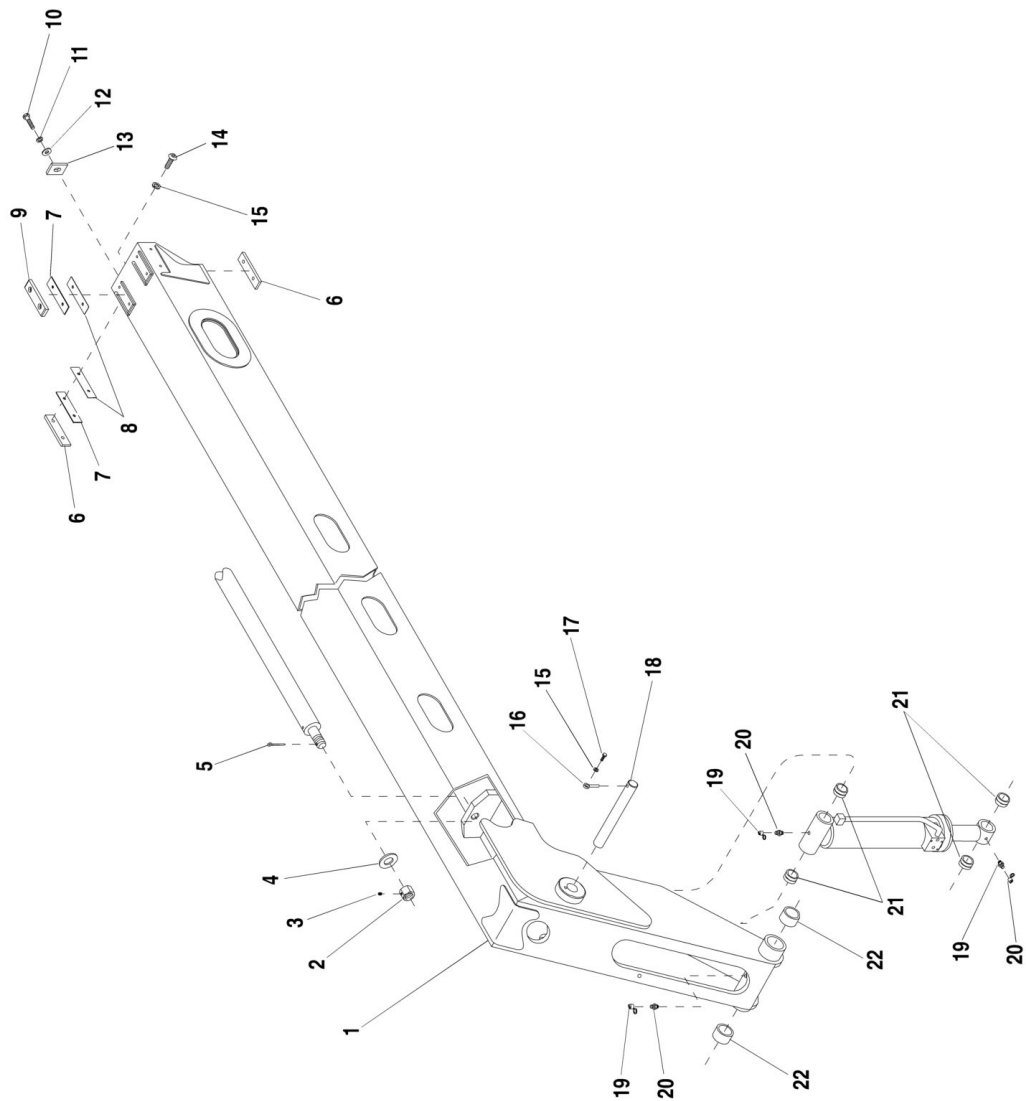
SECTION 4 - BOOM AND TRANSFER CARRIAGE

**FIGURE 4-4. OUTER BOOM ASSEMBLY (2-SECTION) (644B-37,6K-37) (644B-37 SN 1423 to Present;
6K-37 SN 535 to Present)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	36953D	1	Outer Boom	
2	P00605	2	Capscrew, Hx, 5/8in-11 x 2 1/4in	
3	P01314	2	Lockwasher, 5/8in	
4	38806A	2	Lock Pin	
5	67799B	2	Pin, Boom Pivot	
6	P11678	2	Grease Fitting, Drive	
7	P32689	6	Cover, Grease Fitting	
8	36459A	1	Rear Mount Support, Boom Extension Cylinder	
9	P01257	2	Flatwasher, 3/4in SAE - Hardened	
10	P01315	6	Lockwasher, 3/4in	
11	P00711	2	Capscrew, Hx, 3/4in-10 x 4 1/2in	
12	P00710	2	Capscrew, Hx, 3/4in-10 x 4in	
13	34178A	4	Lock Pin	
14	P01312	16	Lockwasher, 1/2in	
15	P00403	4	Capscrew, Hx, 1/2in-13 x 1 1/4in	
16	36240A	2	Pin, Rear Carriage Tilt - Rod End	
17	P13449	2	Bushing, Rear Carriage Tilt Cylinder	
18	36907A	2	Pin, Hoist Cylinder - Rod End	
19	P18830	2	Bushing, Hoist Cylinder	
20	P16611	4	Grease Fitting	
21	P03236	-	Capscrew, Button Hd Socket, 1/2in-20 x 3/4in (Note: Capscrew length will vary with shimming requirements)	
21	P03237	12	Capscrew, Button Hd Socket, 1/2in-20 x 1in (Note: Capscrew length will vary with shimming requirements)	
21	P03242	-	Capscrew, Button Hd Socket, 1/2in-20 x 1 1/4in (Note: Capscrew length will vary with shimming requirements)	
22	39809A	2	Pad Retainer, Aluminum (Replaces 36857A)	
23	P01440	2	Flatwasher, 3/4in SAE	
24	P00701	2	Capscrew, Hx, 3/4in-10 x 1 3/4in	
25	36328A	AR	Shim, 10 GA (.135in x 2in wide)	
25	36329A	AR	Shim, 16 GA (.060in x 2in wide)	
26	39023A	4	Slide Pad, Boom (9/16in x 2in wide) (Replaces 36854A)	
27	39024A	2	Slide Pad, Boom (3/4in x 2in wide) (Replaces 36854A)	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-5. INNER BOOM ASSEMBLY (2-SECTION) (644B-37,6K-37) (644B-37 SN 101 to Present;
6K-37 SN 101 to Present)



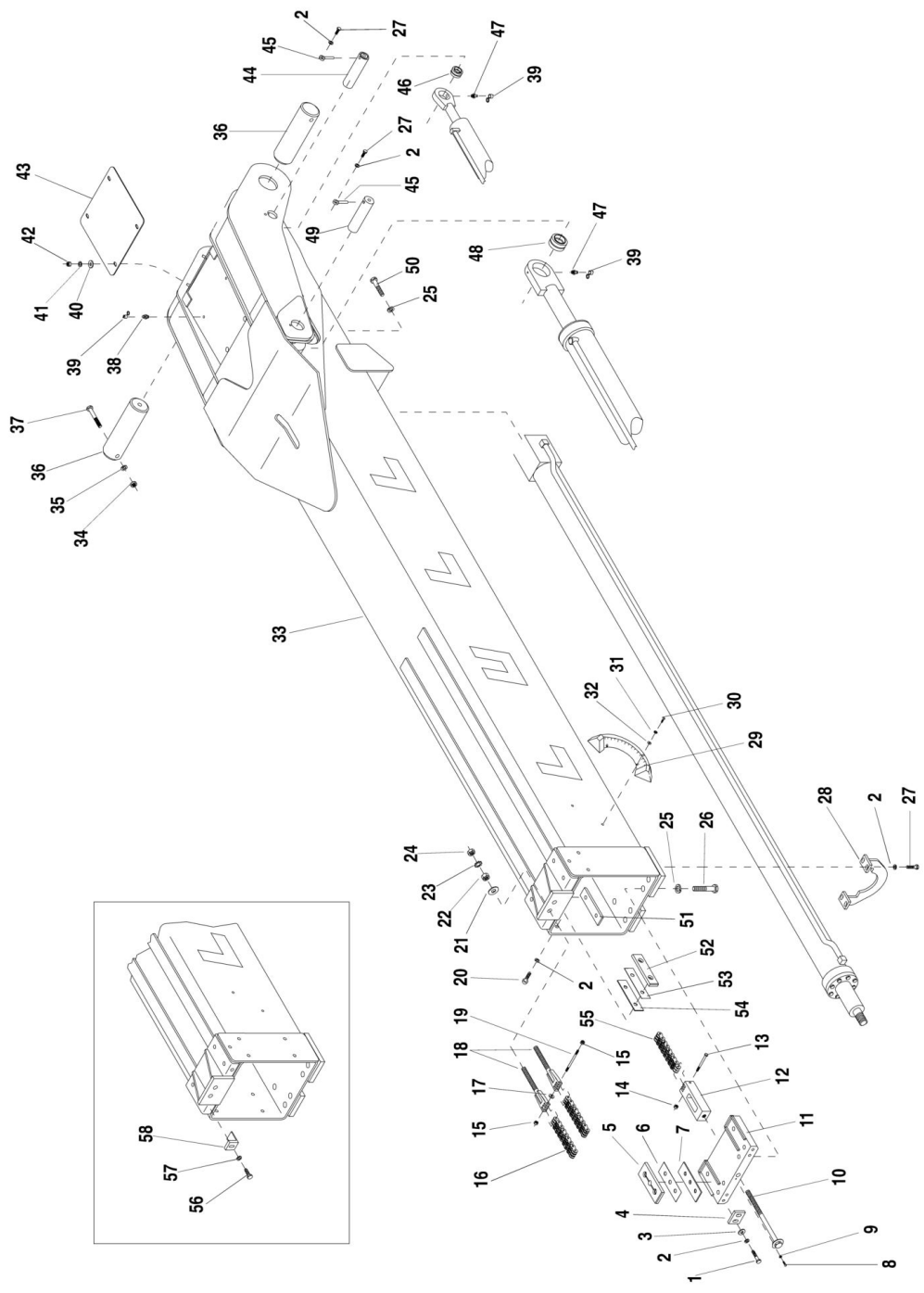
SECTION 4 - BOOM AND TRANSFER CARRIAGE

**FIGURE 4-5. INNER BOOM ASSEMBLY (2-SECTION) (644B-37,6K-37) (644B-37 SN 101 to Present;
6K-37 SN 101 to Present)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	36917D	1	Inner Boom	
2	16369A	1	Nut, Extension Cylinder Rod	
3	P02612	1	Setscrew, Socket-Cup Pt, 3/8in-16 x 3/8in	
4	13599A	1	Washer, Extension Cylinder Rod	
5	P03893	1	Cotter Pin, 5/16in x 2 1/2in (Note: Not Used (Early Production) With 2.25in Dia Cylinder Rod)	
6	39023A	4	Slide Pad, Boom (9/16in x 2in wide) (Supersedes 36854A)	
7	36328A	AR	Shim, 10 GA (.135in x 2in wide)	
8	36329A	AR	Shim, 16 GA (.060in x 2in wide)	
9	39024A	2	Slide Pad, Boom (3/4in x 2in wide) (Supersedes 36854A)	
10	P00701	2	Capscrew, Hx, 3/4in-10 x 1 3/4in	
11	P01315	2	Lockwasher, 3/4in	
12	P01440	2	Flatwasher, 3/4in SAE	
13	39809A	2	Pad Retainer, Aluminum (Supersedes 36857A)	
14	P03236	-	Capscrew, Button Hd Socket, 1/2in-20 x 3/4in (Note: Capscrew length will vary with shimming requirements)	
14	P03237	12	Capscrew, Button Hd Socket, 1/2in-20 x 1in (Note: Capscrew length will vary with shimming requirements)	
14	P03242	-	Capscrew, Button Hd Socket, 1/2in-20 x 1 1/4in (Note: Capscrew length will vary with shimming requirements)	
15	P01312	13	Lockwasher, 1/2in	
16	34178A	1	Lock Pin	
17	P00403	1	Capscrew, Hx, 1/2in-13 x 1 1/4in	
18	36541A	1	Pin, Front Carriage Tilt Cylinder - Base End	
19	P32689	3	Cover, Grease Fitting	
20	P16611	3	Grease Fitting	
21	16228A	4	Bushing, Front Carriage Tilt Cylinder	
22	24257A	2	Bushing, Boom-Quick Attach Pivot	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-6. OUTER BOOM ASSEMBLY (3-SECTION) (1044C-42,644B-42,6K-42,844C-42,8K-42)
(644B-42 SN 101 through 141; 844C-42 SN 101 through 433; 1044C-42 SN 101 through 110; 6K-42 SN
101 through 113; 8K-42 SN 101 through 192)



SECTION 4 - BOOM AND TRANSFER CARRIAGE

**FIGURE 4-6. OUTER BOOM ASSEMBLY (3-SECTION) (1044C-42,644B-42,6K-42,844C-42,8K-42)
(644B-42 SN 101 through 141; 844C-42 SN 101 through 433; 1044C-42 SN 101 through 110; 6K-42 SN
101 through 113; 8K-42 SN 101 through 192)**

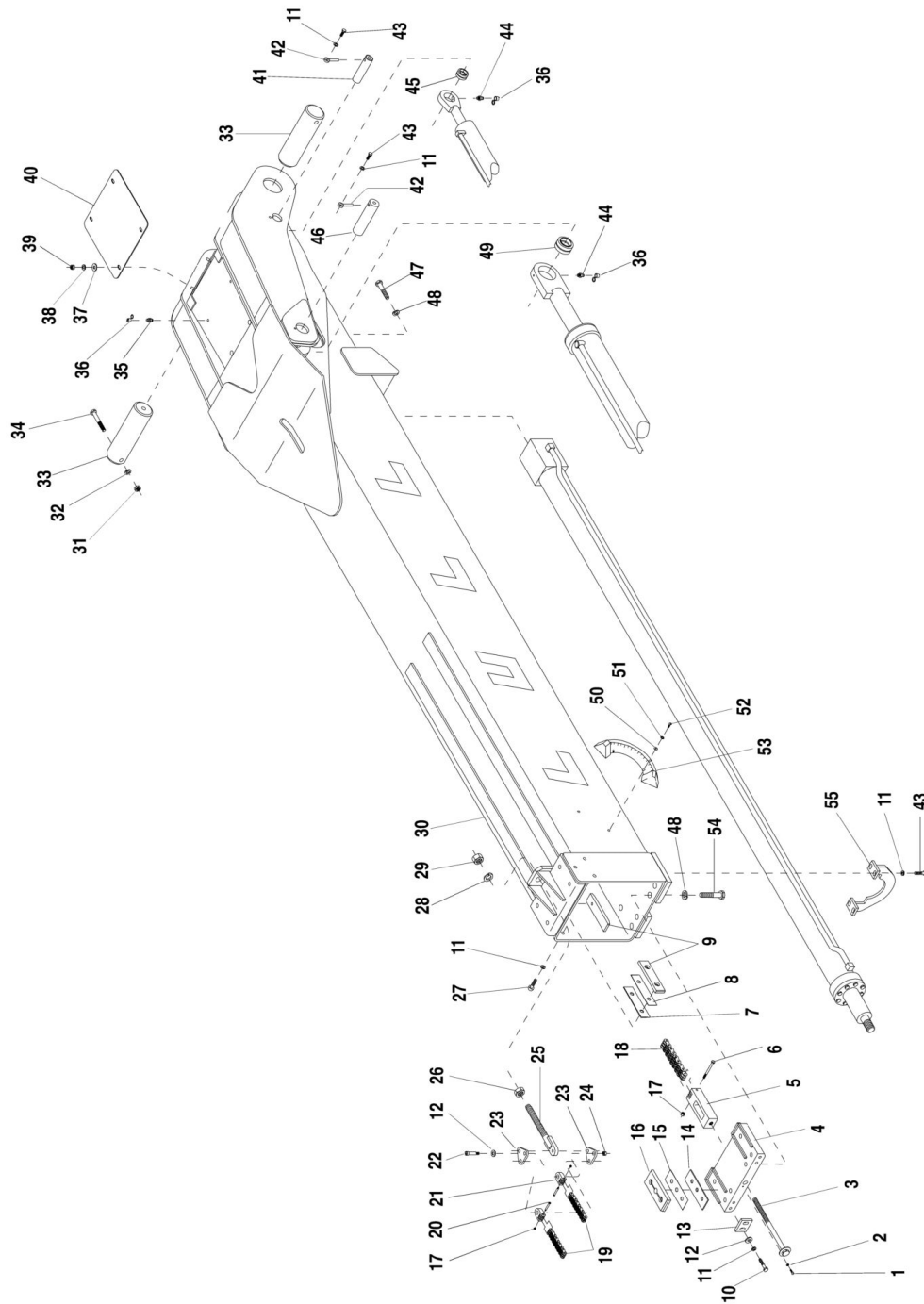
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P00404	4	Capscrew, Hx, 1/2in-13 x 1 1/2in	
2	P01312	24	Lockwasher, 1/2in	
3	P01279	4	Flatwasher, 1/2in - Hardened	
4	37100A	2	Pad Retainer, Aluminum	
5	38742A	2	Slide Pad, Boom (5/8in x 3in wide)	
6	38770A	AR	Shim, 16 GA (.060in x 3in wide)	
7	38769A	AR	Shim, 10 GA (.135in x 3in wide)	
8	P03196	1	Capscrew, Button Hd Socket, 1/4in-20 x 3/4in	
9	P01308	1	Lockwasher, 1/4in	
10	38374A	1	Adjustment Rod, Chain	
11	39011B	1	Anchor Base	
12	39013B	1	Adjustment Block, Chain	
13	37456X	1	Shoulder Bolt, 5/16in Dia x 2 1/2in	
14	P05000	1	Locknut, Hx, 1/4in-20	
15	P05001	2	Locknut, Hx, 5/16in-18	
16	36225A	2	Chain, Upper (186.75in Long)	
17	P01403	2	Flatwasher, 5/16in	
18	36227A	2	Anchor, Chain Adjustment	
19	39379A	1	Rod, Chain Anchor	
20	P03236	-	Capscrew, Button Hd Socket, 1/2in-20 x 3/4in (Note: Capscrew length will vary with shimming requirements)	
20	P03237	12	Capscrew, Button Hd Socket, 1/2in-20 x 1in (Note: Capscrew length will vary with shimming requirements)	
20	P03242	-	Capscrew, Button Hd Socket, 1/2in-20 x 1 1/4in (Note: Capscrew length will vary with shimming requirements)	
21	P01440	2	Flatwasher, 3/4in SAE	
22	P01513	2	Nut, Hx, 3/4in-10	
23	P01364	2	Starwasher, 3/4in External	
24	P01563	2	Jam Nut, Hx, 3/4in-10	
25	P01315	8	Lockwasher, 3/4in	
26	P00706	5	Capscrew, Hx, 3/4in-10 x 3in	
26	P00278	1	Capscrew, Hx, 3/4in -10 x 2 1/4in GR 8	
27	P00403	4	Capscrew, Hx, 1/2in-13 x 1 1/4in	
28	36325B	1	Support Bracket, Cylinder	
29	38252B	1	Inclinometer, Boom Angle	
30	P02034	2	Screw, Slotted Rd Hd, #8-32 x 1/2in	
31	P01354	2	Starwasher, #8 External	
32	P01427	2	Flatwasher, #8	
33	N.L.A.	1	Outer Boom (Note: Order Outer Boom Replacement Kit 68540A)	
34	P01512	2	Nut, Hx, 5/8in-11	
35	P01314	2	Lockwasher, 5/8in	
36	36238B	2	Pin, Boom Pivot	
37	P00618	2	Capscrew, Hx, 5/8in-11 x 7in	
38	P11678	2	Grease Fitting, Drive	
39	P32689	6	Cover, Grease Fitting	
40	P01404	4	Flatwasher, 3/8in	
41	P01310	4	Lockwasher, 3/8in	
42	P01508	4	Nut, Hx, 3/8in-16	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
43	36528A	1	Cover, Boom	
44	36240A	2	Pin, Rear Carriage Tilt Cylinder - Rod End	
45	34178A	4	Lock Pin	
46	P13449	2	Bushing, Rear Carriage Tilt Cylinder - Rod End	
47	P16611	4	Grease Fitting	
48	P18830	2	Bushing, Hoist Cylinder - Rod End	
49	36907A	2	Pin, Hoist Cylinder - Rod End	
50	P00728	2	Capscrew, Hx, 3/4in-10 x 2 1/4in GR 8	
51	39604A	2	Slide Pad, Boom (7/16in x 2in wide)	
52	39023A	2	Slide Pad, Boom (9/16in x 2in wide)	
53	36329A	AR	Shim, 16 GA (.060in x 2in wide)	
54	36328A	AR	Shim, 10 GA (.135in x 2in wide)	
55	36226A	1	Chain, Lower (165.75in Long)	
56	P00430	2	Capscrew, Hx, 1/2in-13 x 1 1/4in	
57	P01312	2	Lockwasher, 1/2in	
58	39608B	2	Slide Pad, Aluminum	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-7. OUTER BOOM ASSEMBLY (3-SECTION) (1044C-42,10K-42,644B-42,6K-42,844C-42,8K-42) (644B-42 SN 142 through 264; 844C-42 SN 434 through 858; 1044C-42 SN 111 through 120; 6K-42 SN 114 through 137; 8K-42 SN 193 through 273; 10K-42 SN 101 through 108)



SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-7. OUTER BOOM ASSEMBLY (3-SECTION) (1044C-42,10K-42,644B-42,6K-42,844C-42,8K-42) (644B-42 SN 142 through 264; 844C-42 SN 434 through 858; 1044C-42 SN 111 through 120; 6K-42 SN 114 through 137; 8K-42 SN 193 through 273; 10K-42 SN 101 through 108)

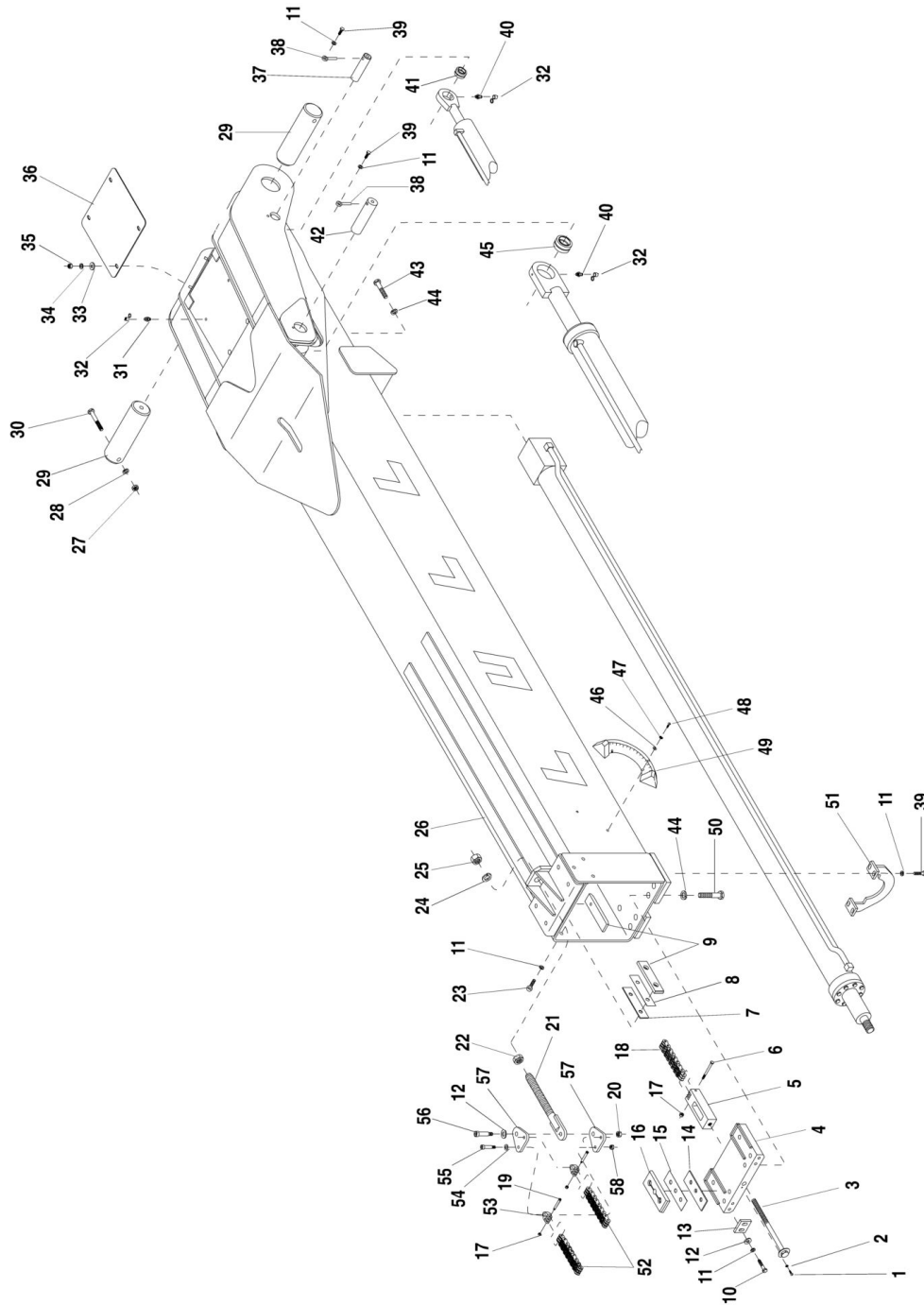
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P03196	1	Capscrew, Button Hd Socket, 1/4in-20 x 3/4in	
2	P01308	1	Lockwasher, 1/4in	
3	38374A	1	Adjustment Rod, Chain	
4	39011B	1	Anchor Base	
5	39013B	1	Adjustment Block, Chain	
6	37456X	1	Shoulder Bolt, 5/16in Dia x 2 1/2in	
7	36328A	AR	Shim, 10 GA (.135in x 2in wide)	
8	36329A	AR	Shim, 16 GA (.060in x 2in wide)	
9	39023A	2	Slide Pad, Boom (9/16in x 2in wide)	
10	P00404	4	Capscrew, Hx, 1/2in-13 x 1 1/2in	
11	P01312	24	Lockwasher, 1/2in	
12	P01279	7	Flatwasher, 1/2in - Hardened	
13	37100A	2	Pad Retainer, Aluminum	
14	38769A	AR	Shim, 10 GA (.135in x 3in wide)	
15	38770A	AR	Shim, 16 GA (.060in x 3in wide)	
16	39594A	2	Slide Pad, Boom (3/4in x 3in wide)	
17	P05000	3	Locknut, Hx, 1/4in-20	
18	36226A	1	Chain, Lower (165.75in Long)	
19	36225A	2	Chain, Upper (186.75in Long)	
20	P27310	1	Shoulder Bolt, 5/16in Dia x 2in	
21	38725B	2	Chain Anchor	
22	P21439	3	Shoulder Bolt, 3/4in Dia x 2in	
23	38732B	2	Equalizer, Chain	
24	P01662	3	Locknut, Hx, 5/8in-11	
25	68548A	1	Anchor, Chain Adjustment	
26	P01567	1	Jam Nut, Hx, 1 1/4in-7	
27	P03236	-	Capscrew, Button Hd Socket, 1/2in-20 x 3/4in (Note: Capscrew length will vary with shimming requirements)	
27	P03237	12	Capscrew, Button Hd Socket, 1/2in-20 x 1in (Note: Capscrew length will vary with shimming requirements)	
27	P03242	-	Capscrew, Button Hd Socket, 1/2in-20 x 1 1/4in (Note: Capscrew length will vary with shimming requirements)	
28	P01319	1	Lockwasher, 1 1/4in	
29	P01517	1	Nut, Hx, 1 1/4in-7	
30	36550D	1	Outer Boom	
31	P01512	2	Nut, Hx, 5/8in-11	
32	P01314	2	Lockwasher, 5/8in	
33	36238B	2	Pin, Boom Pivot	
34	P00618	2	Capscrew, Hx, 5/8in-11 x 7in	
35	P11678	2	Grease Fitting, Drive	
36	P32689	6	Cover, Grease Fitting	
37	P01404	4	Flatwasher, 3/8in	
38	P01310	4	Lockwasher, 3/8in	
39	P01508	4	Nut, Hx, 3/8in-16	
40	36528A	1	Cover, Boom	
41	36240A	2	Pin, Rear Carriage Tilt Cylinder - Rod End	
42	34178A	4	Lock Pin	
43	P00403	4	Capscrew, Hx, 1/2in-13 x 1 1/4in	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	P16611	4	Grease Fitting	
45	P13449	2	Bushing, Rear Carriage Tilt Cylinder - Rod End	
46	36907A	2	Pin, Hoist Cylinder - Rod End	
47	P00728	2	Capscrew, Hx, 3/4in-10 x 2 1/4in GR 8	
48	P01315	8	Lockwasher, 3/4in	
49	P18830	2	Bushing, Hoist Cylinder - Rod End	
50	P01427	2	Flatwasher, #8	
51	P01354	2	Starwasher, #8 External	
52	P02034	2	Screw, Slotted Rd Hd, #8-32 x 1/2in	
53	38252B	1	Inclinometer, Boom Angle	
54	P00706	5	Capscrew, Hx, 3/4in-10 x 3in	
54	P00278	1	Capscrew, Hx, 3/4in -10 x 2 1/4in GR 8	
55	36325B	1	Support Bracket, Cylinder	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-8. OUTER BOOM ASSEMBLY (3-SECTION) (1044C-42,10K-42,644B-42,6K-42,844C-42,8K-42) (644B-42 SN 265 through 518; 844C-42 SN 859 through 1512, Excluding 1481; 1044C-42 SN 120 through 125; 6K-42 SN 138 through 188; 8K-42 SN 274 through 349; 10K-42 SN 109 through 114)



SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-8. OUTER BOOM ASSEMBLY (3-SECTION) (1044C-42,10K-42,644B-42,6K-42,844C-42,8K-42) (644B-42 SN 265 through 518; 844C-42 SN 859 through 1512, Excluding 1481; 1044C-42 SN 120 through 125; 6K-42 SN 138 through 188; 8K-42 SN 274 through 349; 10K-42 SN 109 through 114)

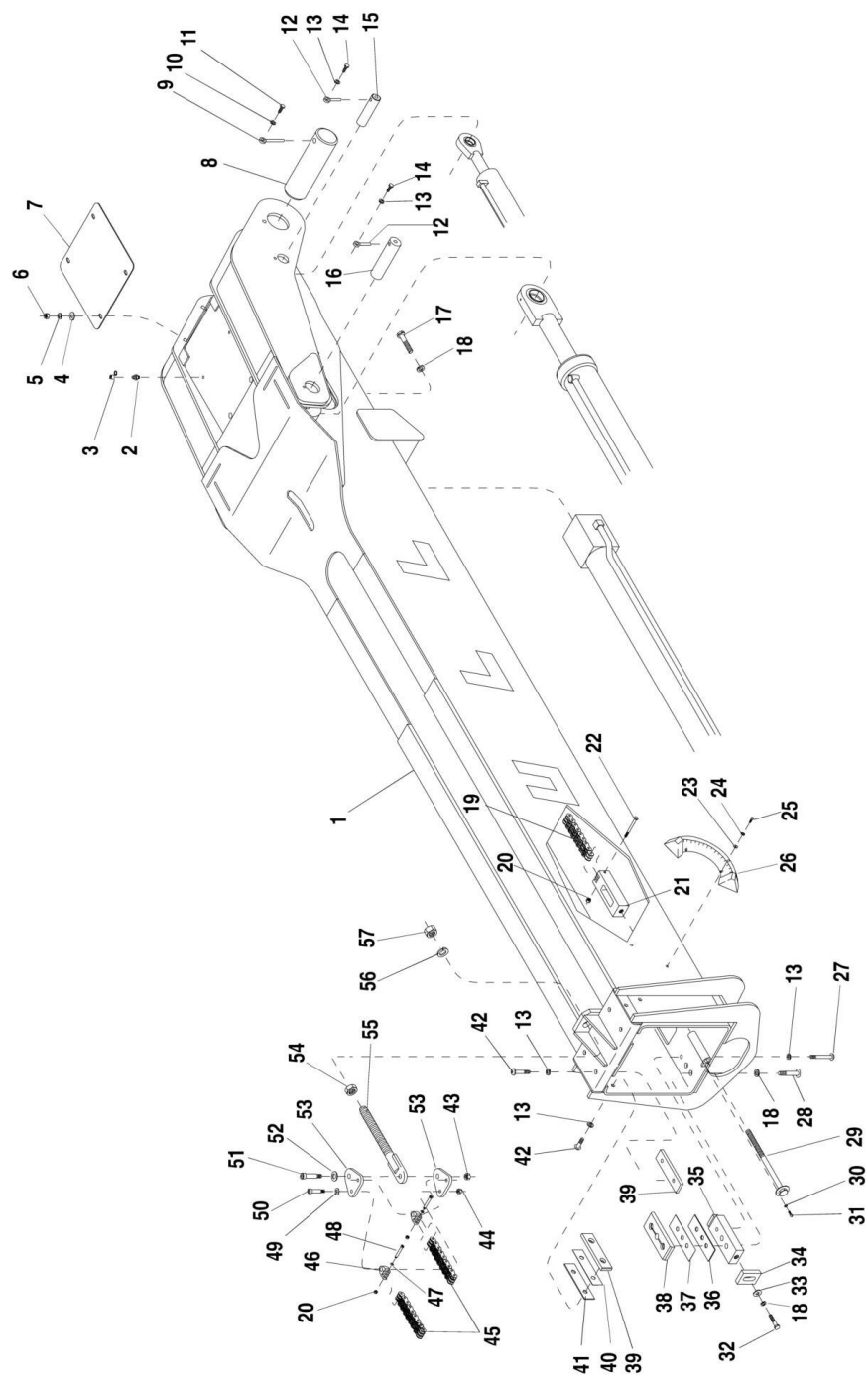
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P03196	1	Capscrew, Button Hd Socket, 1/4in-20 x 3/4in	
2	P01308	1	Lockwasher, 1/4in	
3	38374A	1	Adjustment Rod, Chain	
4	39011B	1	Anchor Base	
5	39013B	1	Adjustment Block, Chain	
6	37456X	1	Shoulder Bolt, 5/16in Dia x 2 1/2in	
7	36328A	AR	Shim, 10 GA (.135in x 2in wide)	
8	36329A	AR	Shim, 16 GA (.060in x 2in wide)	
9	39023A	4	Slide Pad, Boom (9/16in x 2in wide)	
10	P00404	4	Capscrew, Hx, 1/2in-13 x 1 1/2in	
11	P01312	24	Lockwasher, 1/2in	
12	P01279	7	Flatwasher, 1/2in - Hardened	
13	37100A	2	Pad Retainer, Aluminum	
14	38769A	AR	Shim, 10 GA (.135in x 3in wide)	
15	38770A	AR	Shim, 16 GA (.060in x 3in wide)	
16	39594A	2	Slide Pad, Boom (3/4in x 3in wide)	
17	P05000	3	Locknut, Hx, 1/4in-20	
18	36226A	1	Chain, Lower (165.75in Long)	
19	67160X	2	Shoulder Bolt, 5/16in Dia x 1 3/4in	
20	P01662	1	Locknut, Hx, 5/8in-11	
21	65731B	1	Anchor, Chain Adjustment	
22	P01567	1	Jam Nut, Hx, 1 1/4in-7	
23	P03236	-	Capscrew, Button Hd Socket, 1/2in-20 x 3/4in (Note: Capscrew length will vary with shimmming requirements)	
23	P03237	12	Capscrew, Button Hd Socket, 1/2in-20 x 1in (Note: Capscrew length will vary with shimmming requirements)	
23	P03242	-	Capscrew, Button Hd Socket, 1/2in-20 x 1 1/4in (Note: Capscrew length will vary with shimmming requirements)	
24	P01319	1	Lockwasher, 1 1/4in	
25	P01517	1	Nut, Hx, 1 1/4in-7	
26	36550D	1	Outer Boom	
27	P01512	2	Nut, Hx, 5/8in-11	
28	P01314	2	Lockwasher, 5/8in	
29	36238B	2	Pin, Boom Pivot	
30	P00618	2	Capscrew, Hx, 5/8in-11 x 7in	
31	P11678	2	Grease Fitting, Drive	
32	P32689	6	Cover, Grease Fitting	
33	P01404	4	Flatwasher, 3/8in	
34	P01310	4	Lockwasher, 3/8in	
35	P01508	4	Nut, Hx, 3/8in-16	
36	36528A	1	Cover, Boom	
37	36240A	2	Pin, Rear Carriage Tilt Cylinder - Rod End	
38	34178A	4	Lock Pin	
39	P00403	4	Capscrew, Hx, 1/2in-13 x 1 1/4in	
40	P16611	4	Grease Fitting	
41	P13449	2	Bushing, Rear Carriage Tilt Cylinder - Rod End	
42	36907A	2	Pin, Hoist Cylinder - Rod End	
43	P00728	2	Capscrew, Hx, 3/4in-10 x 2 1/4in GR 8	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	P01315	8	Lockwasher, 3/4in	
45	P18830	2	Bushing, Hoist Cylinder - Rod End	
46	P01427	2	Flatwasher, #8	
47	P01354	2	Starwasher, #8 External	
48	P02034	2	Screw, Slotted Rd Hd, #8-32 x 1/2in	
49	38252B	1	Inclinometer, Boom Angle	
50	P00706	5	Capscrew, Hx, 3/4in-10 x 3in	
50	P00278	1	Capscrew, Hx, 3/4in -10 x 2 1/4in GR 8	
51	36325B	1	Support Bracket, Cylinder	
52	65728A	2	Chain Upper (188.25in Long)	
53	7119372	2	Chain Anchor	
54	P01406	1	Flatwasher, 1/2in	
55	37753X	2	Shoulder Bolt, 1/2in Dia X 2in	
56	P21439	1	Shoulder Bolt, 3/4in Dia x 2in	
57	65729B	2	Equalizer, Chain	
58	P01658	2	Locknut, Hx, 3/8in-16	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-9. OUTER BOOM ASSEMBLY (3-SECTION) (1044C-42,10K-42,644B-42,6K-42,844C-42,8K-42) (644B-42 SN 519 to Present; 844C-42 SN 1513 to Present, Including 1481; 1044C-42 SN 126 to Present; 6K-42 SN 189 to Present; 8K-42 SN 350 to Present; 10K-42 SN 115 to Present)



SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-9. OUTER BOOM ASSEMBLY (3-SECTION) (1044C-42,10K-42,644B-42,6K-42,844C-42,8K-42) (644B-42 SN 519 to Present; 844C-42 SN 1513 to Present, Including 1481; 1044C-42 SN 126 to Present; 6K-42 SN 189 to Present; 8K-42 SN 350 to Present; 10K-42 SN 115 to Present)

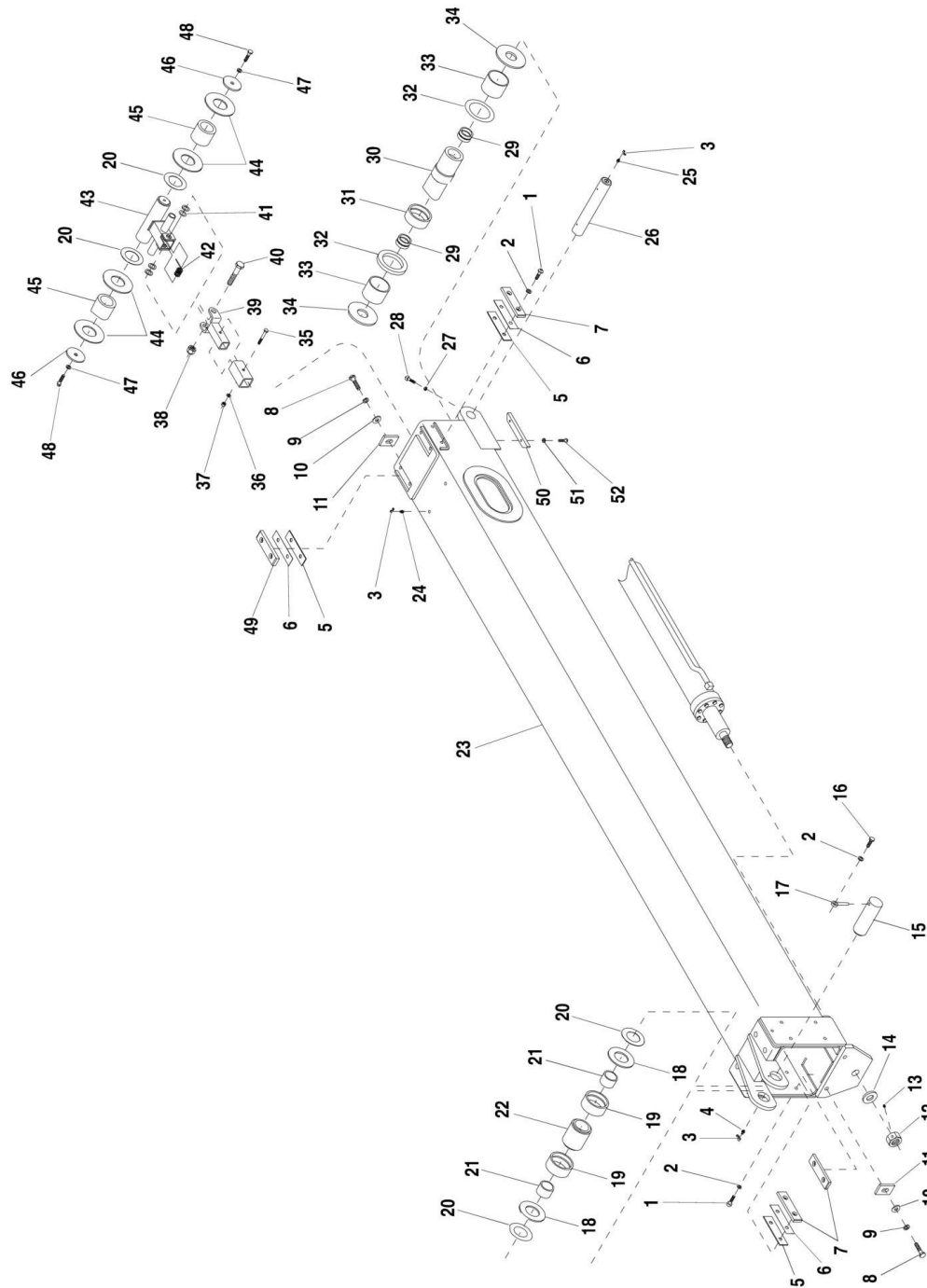
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	66874D	1	Outer Boom	
2	P11678	2	Geaser Fitting, Drive	
3	P32689	2	Cover, Grease Fitting	
4	P01404	4	Flatwasher, 3/8in	
5	P01310	4	Lockwasher, 3/8in	
6	P01508	4	Nut, Hx, 3/8in-16	
7	36528A	1	Cover, Boom	
8	67799B	2	Pin, Boom Pivot	
9	38806A	2	Lock Pin, 3/4in	
10	P01314	2	Lockwasher 5/8in	
11	P00602	2	Capscrew, Hx, 5/8in-11 x 1 1/2in	
12	34178A	4	Lock Pin, 1/2in	
13	P01312	24	Lockwasher, 1/2in	
14	P00403	4	Capscrew, Hx, 1/2in-13 x 1 1/4in	
15	36240A	2	Pin, Rear Carriage Tilt Cylinder - Rod End	
16	36907A	2	Pin, Hoist Cylinder - Rod End	
17	P00728	2	Capscrew, Hx, 3/4in-10 x 2 1/4in GR 8	
18	P01315	8	Lockwasher, 3/4in	
19	36226A	1	Chain, Lower (165.75in Long)	
20	P05000	3	Locknut, Hx, 1/4in-20	
21	38723B	1	Adjustment Block, Chain	
22	37456X	1	Shoulder Bolt, 5/16in Dia x 2 1/2in	
23	P01427	2	Flatwasher, #8	
24	P01354	2	Starwasher, #8 External	
25	P02034	2	Screw, Slotted Rd Hd, #8-32 x 1/2in	
26	38252B	1	Inclinometer, Boom Angle	
27	P00462	2	Capscrew, Hx, 1/2in-13 x 3 1/2in	
28	P00728	4	Capscrew, Hx, 3/4in-10 x 2 1/4in GD 8	
29	38374A	1	Adjustment Rod, Chain	
30	P01308	1	Lockwasher, 1/4in	
31	P03196	1	Capscrew, Button Hd Socket, 1/4in-20 x 3/4in	
32	P00701	2	Capscrew, Hx, 3/4in-10 x 2 1/4in	
33	P01257		Flatwasher, 3/4in	
34	39809A	2	Retainer, Pad	
35	66868B	2	Spacer Block	
36	38770A	AR	Shim, 16 GA (.060in x 3in wide)	
37	38769A	AR	Shim, 10 GA (.135in x 3in wide)	
38	39530A	2	Slide Pad, Boom, (1in x 3in Wide)	
39	39023A	4	Slide Pad, Boom (9/16in x 2in wide)	
40	36328A	AR	Shim, 10 GA (.135in x 2in wide)	
41	36329A	AR	Shim, 16 GA (.060in x 2in wide)	
42	P03237	12	Capscrew, Button Hd Socket, 1/2in-20 x 1in (Note: Capscrew length will vary with shimming requirements)	
42	P03242	-	Capscrew, Button Hd Socket, 1/2in-20 x 1 1/4in (Note: Capscrew length will vary with shimming requirements)	
42	P03236	-	Capscrew, Button Hd Socket, 1/2in-20 x 3/4in (Note: Capscrew length will vary with shimming requirements)	
43	P01662	1	Locknut, Hx, 1/2in-13	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	P01658	2	Locknut, Hx, 3/8in-16	
45	65728A	2	Chain Upper (188.25in Long)	
46	7119372	2	Chain Anchor	
47	P01250	4	Flatwasher, 1/4in	
48	67160X	2	Shoulder Bolt, 5/16in Dia x 1 3/4in	
49	P01406	1	Flatwasher, 1/2in	
50	37753X	2	Shoulder Bolt, 1/2in Dia X 2in	
51	P21439	1	Shoulder Bolt, 3/4in Dia x 2in	
52	P01279	1	Flatwasher, 1/2- Hardened	
53	65729B	2	Equalizer Plate, Chain	
54	P01567	1	Jam Nut, Hx, 1 1/4in-7	
55	38726B	1	Anchor, Chain Adjustment	
56	P01319	1	Lockwasher, 1 1/4in	
57	P01517	1	Nut, Hx, 1 1/4in-7	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-10. MIDDLE BOOM ASSEMBLY (3-SECTION) (1044C-42,10K-42,644B-42,6K-42,844C-42,8K-42) (644B-42 SN 101 through 282; 844C-42 SN 101 through 1026; 1044C-42 SN 101 through 120; 6K-42 SN 101 through 148; 8K-42 SN 101 through 291; 10K-42 SN 101 through 110)



SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-10. MIDDLE BOOM ASSEMBLY (3-SECTION) (1044C-42,10K-42,644B-42,6K-42,844C-42,8K-42) (644B-42 SN 101 through 282; 844C-42 SN 101 through 1026; 1044C-42 SN 101 through 120; 6K-42 SN 101 through 148; 8K-42 SN 101 through 291; 10K-42 SN 101 through 110)

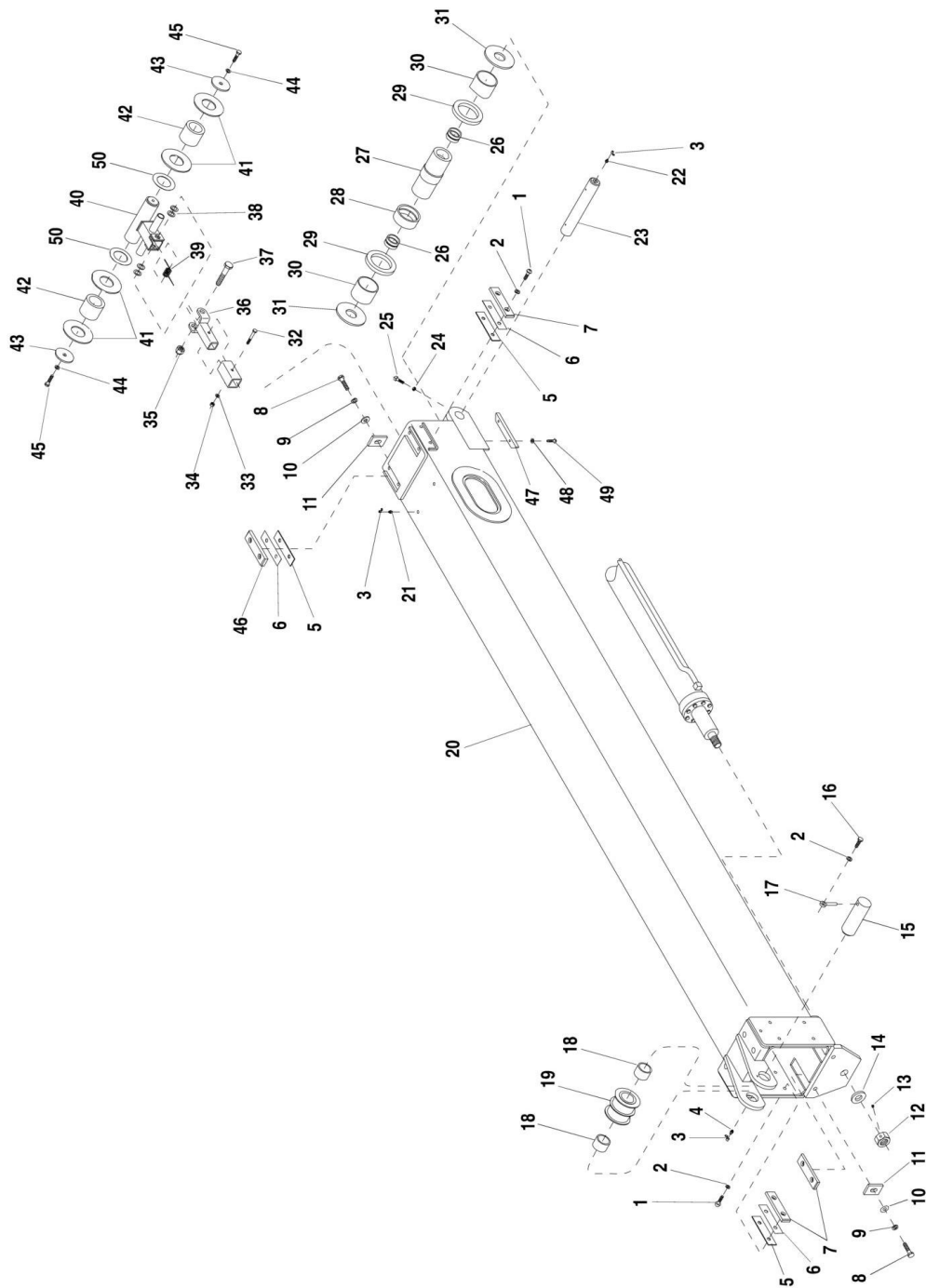
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P03236	-	Capscrew, Button Hd Socket, 1/2in-20 x 3/4in (Note: Capscrew length will vary with shimming requirements)	
1	P03237	16	Capscrew, Button Hd Socket, 1/2in-20 x 1in (Note: Capscrew length will vary with shimming requirements)	
1	P03242	-	Capscrew, Button Hd Socket, 1/2in-20 x 1 1/4in (Note: Capscrew length will vary with shimming requirements)	
2	P01312	17	Lockwasher, 1/2in	
3	P32689	4	Cover, Grease Fitting	
4	P15272	1	Grease Fitting - 1/8in N.P.T.	
5	36328A	AR	Shim, 10 GA (.135in x 2in wide)	
6	36329A	AR	Shim, 16 GA (.060in x 2in wide)	
7	39023A	10	Slide Pad, Boom (9/16in x 2in wide)	
8	P00701	4	Capscrew, Hx, 3/4in-10 x 1 3/4in	
9	P01315	4	Lockwasher, 3/4in	
10	P01440	4	Flatwasher, 3/4in SAE	
11	39809A	4	Pad Retainer, Aluminum (Replaces 36857A)	
12	16369A	1	Nut, Extension Cylinder Rod	
13	P02612	1	Setscrew, Socket - Cup Pt, 3/8in-16 x 3/8in	
14	13599A	1	Boss, Extension Cylinder Rod	
15	65263A	1	Pin, Chain Roller (Replaces 36128A)	
16	P00403	1	Capscrew, Hx, 1/2in-13 x 1 1/4in	
17	34178A	1	Lock Pin, 5/8in (Replaces 34178A)	
18	38194A	2	Washer, Chain Guide	
19	38193A	2	Bushing, Hardened	
20	17012A	AR	Shim, 14 GA (.075in)	
21	65692A	2	Bushing, Chain Roller (Replaces 24257A)	
22	36125B	1	Roller, Chain	
23	39042D	1	Boom, Middle	
24	P11678	2	Grease Fitting, Drive	
25	P16611	1	Grease Fitting	
26	36174A	1	Shaft, Chain and Hose Roller	
27	P01560	1	Jam Nut, Hx, 1/2in-13	
28	P02757	1	Setscrew, Square Hd, Cup Pt, 1/2in-13 x 1 3/4in	
29	65723A	2	Bushing, Chain and Hose Roller	
30	36186B	1	Roller, Chain and Hose	
31	38191A	1	Bushing, Hardened	
32	38188A	2	Washer, Inner	
33	38190A	2	Spacer, Hose	
34	38189A	2	Washer, Outer	
35	P00212	1	Capscrew, Hx, 3/8in-16 x 3in	
36	P01310	1	Lockwasher, 3/8in	
37	P01508	1	Nut, Hx, 3/8in-16	
38	P01665	1	Locknut, Hx, 1in-8	
39	38385B	1	Mounting Bracket, Hose Tensioner	
40	P00913	1	Capscrew, Hx, 1in-8 x 5 1/2in	
41	P01442	4	Flatwasher, 1in SAE	
42	36199A	1	Spring, Tension	
43	36175B	1	Hose Tensioner	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	38187A	4	Washer, Hose Guide	
45	36179A	2	Spacer, Hose Tensioner	
46	15616A	2	Flatwasher, Special	
47	P01314	2	Lockwasher, 5/8in	
48	P00606	2	Capscrew, Hx, 5/8in-11 x 2 1/2in	
49	39024A	2	Slide Pad, Boom (3/4in x 2in wide)	
50	39863A	2	Slide Pad, Bottom (Note: Not used in early production)	
51	P01310	4	Lockwasher, 3/8in (Note: Not used in early production)	
52	P03225	4	Capscrew, Button Hd Socket, 3/8in-16 x 3/4in (Note: Not used in early production)	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-11. MIDDLE BOOM ASSEMBLY (3-SECTION) (1044C-42,10K-42,644B-42,6K-42,844C-42,8K-42) (644B-42 SN 283 through 518; 844C-42 SN 1027 through 1512, Excluding 1481; 1044C-42 Including 122; 6K-42 SN 149 through 188; 8K-42 SN 292 through 349; 10K-42 SN 111 through 114)



SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-11. MIDDLE BOOM ASSEMBLY (3-SECTION) (1044C-42,10K-42,644B-42,6K-42,844C-42,8K-42) (644B-42 SN 283 through 518; 844C-42 SN 1027 through 1512, Excluding 1481; 1044C-42 Including 122; 6K-42 SN 149 through 188; 8K-42 SN 292 through 349; 10K-42 SN 111 through 114)

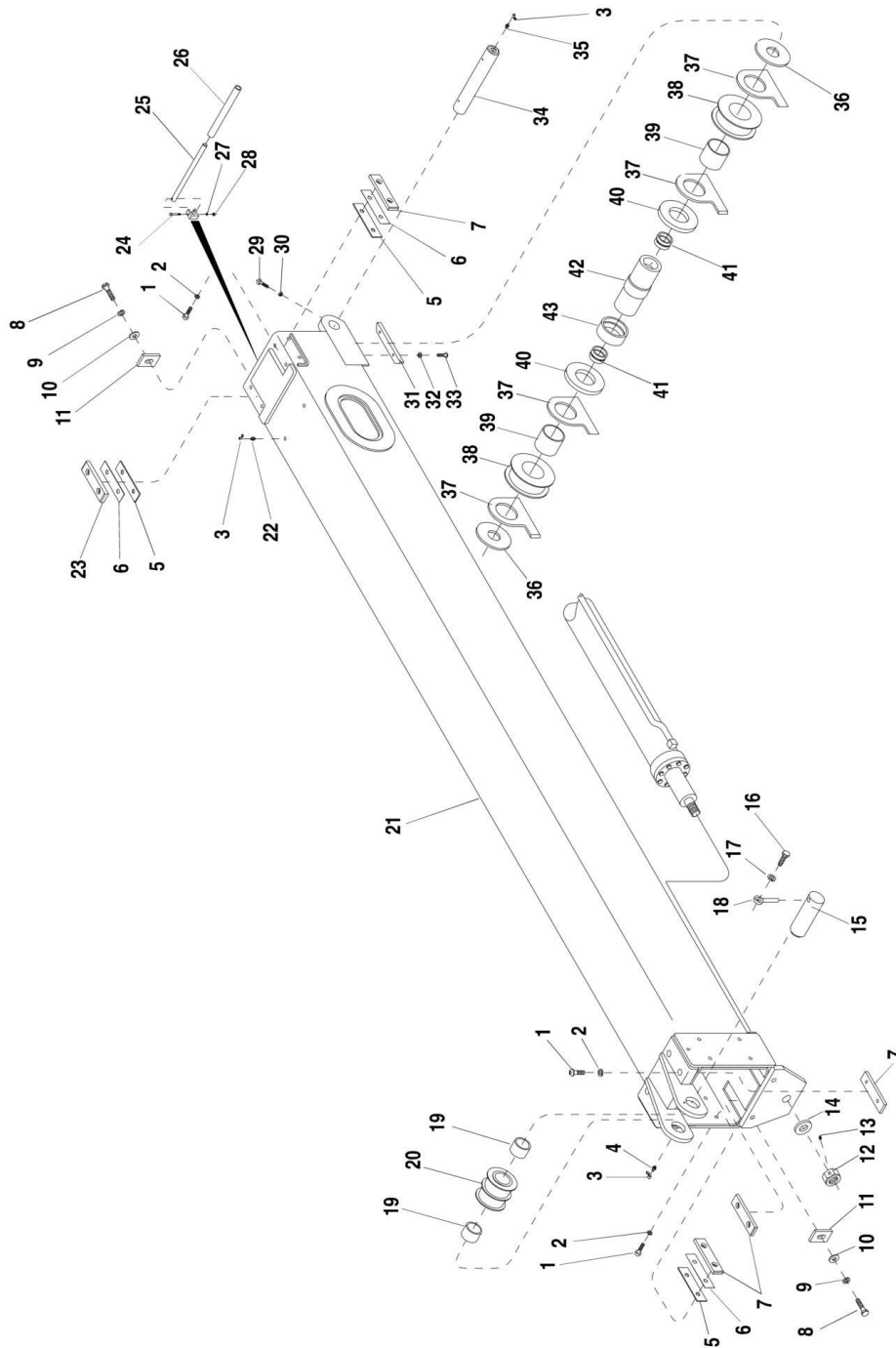
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P03236	-	Capscrew, Button Hd Socket, 1/2in-20 x 3/4in (Note: Capscrew length will vary with shimming requirements)	
1	P03237	16	Capscrew, Button Hd Socket, 1/2in-20 x 1in (Note: Capscrew length will vary with shimming requirements)	
1	P03242	-	Capscrew, Button Hd Socket, 1/2in-20 x 1 1/4in (Note: Capscrew length will vary with shimming requirements)	
2	P01312	17	Lockwasher, 1/2in	
3	P32689	4	Cover, Grease Fitting	
4	P15272	1	Grease Fitting - 1/8in N.P.T.	
5	36328A	AR	Shim, 10 GA (.135in x 2in wide)	
6	36329A	AR	Shim, 16 GA (.060in x 2in wide)	
7	39023A	10	Slide Pad, Boom (9/16in x 2in wide)	
8	P00701	4	Capscrew, Hx, 3/4in-10 x 1 3/4in	
9	P01315	4	Lockwasher, 3/4in	
10	P01440	4	Flatwasher, 3/4in SAE	
11	39809A	4	Pad Retainer, Aluminum (Replaces 36857A)	
12	16369A	1	Nut, Extension Cylinder Rod	
13	P02612	1	Setscrew, Socket - Cup Pt, 3/8in-16 x 3/8in	
14	13599A	1	Boss, Extension Cylinder Rod	
15	65263A	1	Pin, Chain Roller (Replaces 36128A)	
16	P00403	1	Capscrew, Hx, 1/2in-13 x 1/4in	
17	32432B	1	Lock Pin, 5/8in (Replaces 34178A)	
18	65692A	2	Bushing, Chain Roller (Replaces 24257A)	
19	65755B	1	Sheave, Chain	
20	39042D	1	Boom, Middle	
21	P11678	2	Grease Fitting, Drive	
22	P16611	1	Grease Fitting	
23	36174A	1	Shaft, Chain and Hose Roller	
24	P01560	1	Jam Nut, Hx, 1/2in-13	
25	P02757	1	Setscrew, Square Hd, Cup Pt, 1/2in-13 x 1 3/4in	
26	65723A	2	Bushing, Chain and Hose Roller	
27	36186B	1	Roller, Chain and Hose	
28	38191A	1	Bushing, Hardened	
29	38188A	2	Washer, Inner	
30	38190A	2	Spacer, Hose	
31	38189A	2	Washer, Outer	
32	P00212	1	Capscrew, Hx, 3/8in-16 x 3in	
33	P01310	1	Lockwasher, 3/8in	
34	P01508	1	Nut, Hx, 3/8in-16	
35	P01665	1	Locknut, Hx, 1in-8	
36	38385B	1	Mounting Bracket, Hose Tensioner	
37	P00913	1	Capscrew, Hx, 1in-8 x 5 1/2in	
38	P01442	4	Flatwasher, 1in SAE	
39	36199A	1	Spring, Tension	
40	36175B	1	Hose Tensioner	
41	38187A	4	Washer, Hose Guide	
42	36179A	2	Spacer, Hose Tensioner	
43	15616A	2	Flatwasher, Special	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	P01314	2	Lockwasher, 5/8in	
45	P00606	2	Capscrew, Hx, 5/8in-11 x 2 1/2in	
46	39024A	2	Slide Pad, Boom (3/4in x 2in wide)	
47	39863A	2	Slide Pad, Bottom (Note: Not Used Early Production)	
48	P01310	4	Lockwasher, 3/8in (Note: Not Used Early Production)	
49	P03225	4	Capscrew, Button Hd Socket, 3/8in-16 x 3/4in (Note: Not Used Early Production)	
50	17012A	AR	Shim, 14 GA (.075in)	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-12. MIDDLE BOOM ASSEMBLY (3-SECTION) (644B-42,6K-42,844C-42,8K-42) (644B-42 SN 519 through 658; 844C-42 SN 1513 through 1702, Including 1481, Excluding 1609 and 1700; 6K-42 SN 189 through 201; 8K-42 SN 350 through 360)



SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-12. MIDDLE BOOM ASSEMBLY (3-SECTION) (644B-42,6K-42,844C-42,8K-42) (644B-42 SN 519 through 658; 844C-42 SN 1513 through 1702, Including 1481, Excluding 1609 and 1700; 6K-42 SN 189 through 201; 8K-42 SN 350 through 360)

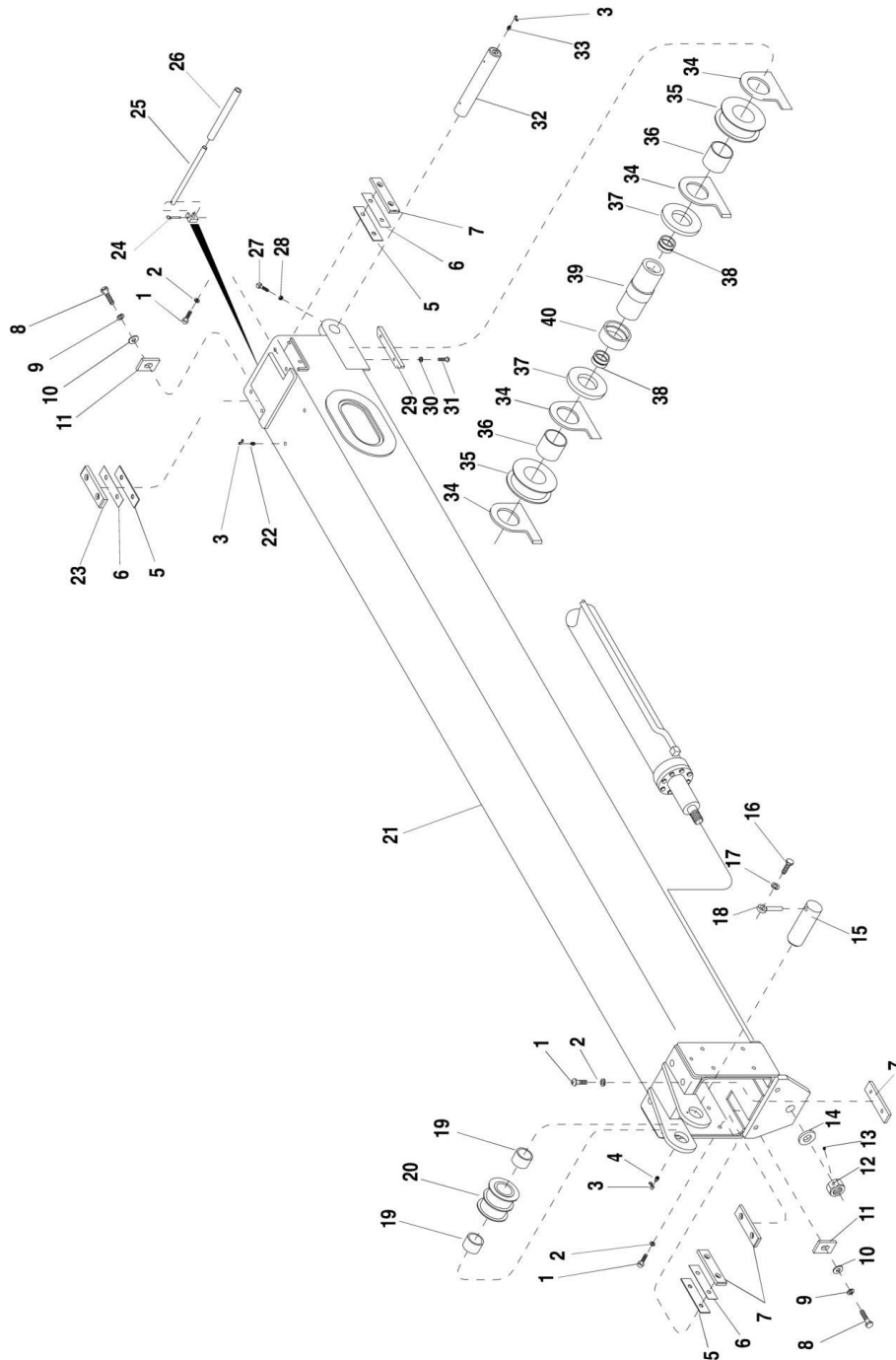
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P03236	-	Capscrew, Button Hd Socket, 1/2in-20 x 3/4in (Note: Capscrew length will vary with shimming requirements)	
1	P03237	18	Capscrew, Button Hd Socket, 1/2in-20 x 1in (Note: Capscrew length will vary with shimming requirements)	
1	P03242	-	Capscrew, Button Hd Socket, 1/2in-20 x 1 1/4in (Note: Capscrew length will vary with shimming requirements)	
1	P00450	-	Capscrew, Hx, 1/2in-20 x 3/4in (Note: Capscrew length will vary with shimming requirements)	
1	P00452	-	Capscrew, Hx, 1/2in-20 x 1in (Note: Capscrew length will vary with shimming requirements)	
1	P00453	-	Capscrew, Hx, 1/2in-20 x 1 1/4in (Note: Capscrew length will vary with shimming requirements)	
2	P01312	16	Lockwasher, 1/2in (Note: Washers will vary with shimming requirements)	
2	P01361	-	Starwasher, 1/2in (Note: Washers will vary with shimming requirements)	
2	P01406	-	Flatwasher, 1/2in (Note: Washers will vary with shimming requirements)	
3	P32689	4	Cover, Grease Fitting	
4	P15272	1	Grease Fitting - 1/8in N.P.T.	
5	36328A	AR	Shim, 10 GA (.135in x 2in wide)	
6	36329A	AR	Shim, 16 GA (.060in x 2in wide)	
7	39023A	10	Slide Pad, Boom (9/16in x 2in wide)	
8	P00701	4	Capscrew, Hx, 3/4in-10 x 1 3/4in	
9	P01315	4	Lockwasher, 3/4in	
10	P01440	4	Flatwasher, 3/4in SAE	
11	39809A	4	Pad Retainer, Aluminum	
12	16369A	1	Nut, Extension Cylinder Rod	
13	P02612	1	Setscrew, Socket - Cup Pt, 3/8in-16 x 3/8in	
14	13599A	1	Boss, Extension Cylinder Rod	
15	65263A	1	Pin, Chain Roller	
16	P00602	1	Capscrew, Hx, 5/8in-11 x 1 1/2in	
17	P01314	1	Lockwasher, 5/8in	
18	32432B	1	Lock Pin, 5/8in	
19	65692A	2	Bushing, Chain Roller	
20	65755B	1	Sheave, Chain	
21	66151D	1	Boom, Middle	
22	P11678	2	Grease Fitting, Drive	
23	39024A	2	Slide Pad, Boom (3/4in x 2in wide)	
24	P00009	1	Capscrew, Hx, 1/4in-20 x 2in	
25	66155A	1	Shaft, Hose Follower Mounting	
26	66156A	1	Hose, Follower	
27	P01308	1	Lockwasher, 1/4in	
28	P01506	1	Nut, Hx, 1/4in-20	
29	P02757	1	Setscrew, Square Hd, Cup Pt, 1/2in-13 x 1 3/4in	
30	P01560	1	Jam Nut, Hx, 1/2in-13	
31	39863A	2	Slide Pad, Bottom	
32	P01359	4	Starwasher, 3/8in	
33	P03225	4	Capscrew, Button Hd Socket, 3/8in-16 x 3/4in	
34	36174A	1	Shaft, Chain and Hose Roller	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
35	P16611	1	Grease Fitting	
36	38189A	2	Washer, Outer	
37	66879A	2	Hose Guide	
38	65270B	2	Hose Sheave	
39	67385A	2	Spacer, Hose	
40	67375A	2	Washer, Inner	
41	65723A	2	Bushing, Chain and Hose Roller	
42	36186B	1	Roller, Chain and Hose	
43	38191A	1	Bushing, Hardened	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-13. MIDDLE BOOM ASSEMBLY (3-SECTION) (1044C-42,644B-42,6K-42,844C-42,8K-42)
(644B-42 SN 659 through 935; 844C-42 SN 1703 through 2264, Including 1609 and 1700; 1044C-42 SN
123 through 127; 6K-42 SN 202 through 226; 8K-42 SN 361 through 427)



SECTION 4 - BOOM AND TRANSFER CARRIAGE

**FIGURE 4-13. MIDDLE BOOM ASSEMBLY (3-SECTION) (1044C-42,644B-42,6K-42,844C-42,8K-42)
(644B-42 SN 659 through 935; 844C-42 SN 1703 through 2264, Including 1609 and 1700; 1044C-42 SN
123 through 127; 6K-42 SN 202 through 226; 8K-42 SN 361 through 427)**

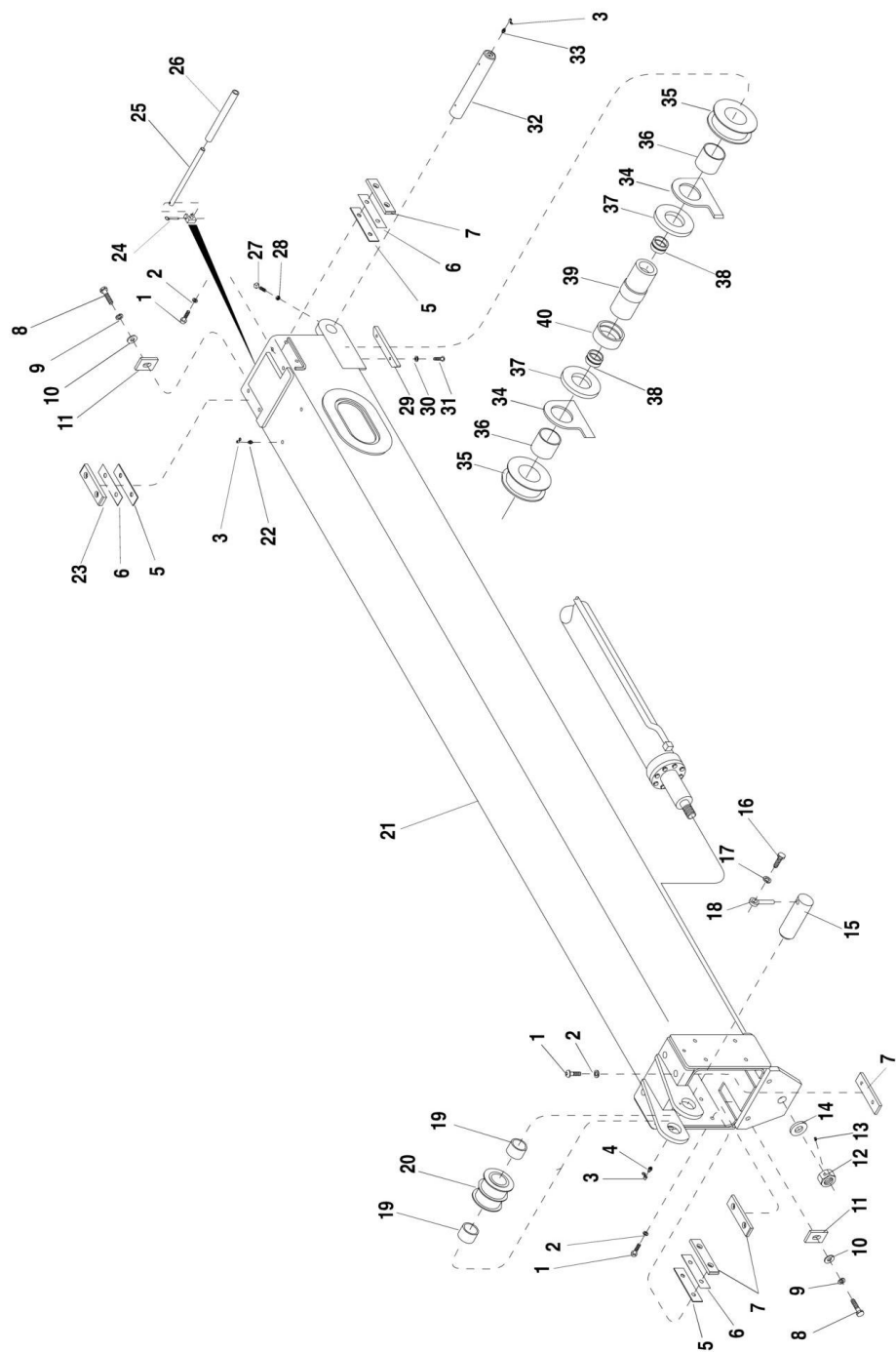
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P03236	-	Capscrew, Button Hd Socket, 1/2in-20 x 3/4in (Note: Capscrew length will vary with shimming requirements)	
1	P03237	18	Capscrew, Button Hd Socket, 1/2in-20 x 1in (Note: Capscrew length will vary with shimming requirements)	
1	P03242	-	Capscrew, Button Hd Socket, 1/2in-20 x 1 1/4in (Note: Capscrew length will vary with shimming requirements)	
1	P00450	-	Capscrew, Hx, 1/2in-20 x 3/4in (Note: Capscrew length will vary with shimming requirements)	
1	P00452	-	Capscrew, Hx, 1/2in-20 x 1in (Note: Capscrew length will vary with shimming requirements)	
1	P00453	-	Capscrew, Hx, 1/2in-20 x 1 1/4in (Note: Capscrew length will vary with shimming requirements)	
2	P01312	16	Lockwasher, 1/2in (Note: Washers will vary with shimming requirements)	
2	P01361	-	Starwasher, 1/2in (Note: Washers will vary with shimming requirements)	
2	P01406	-	Flatwasher, 1/2in (Note: Washers will vary with shimming requirements)	
3	P32689	4	Cover, Grease Fitting	
4	P15272	1	Grease Fitting - 1/8in N.P.T.	
5	36328A	AR	Shim, 10 GA (.135in x 2in wide)	
6	36329A	AR	Shim, 16 GA (.060in x 2in wide)	
7	39023A	10	Slide Pad, Boom (9/16in x 2in wide)	
8	P00701	4	Capscrew, Hx, 3/4in-10 x 1 3/4in	
9	P01315	4	Lockwasher, 3/4in	
10	P01440	4	Flatwasher, 3/4in SAE	
11	39809A	4	Pad Retainer, Aluminum	
12	16369A	1	Nut, Extension Cylinder Rod	
13	P02612	1	Setscrew, Socket - Cup Pt, 3/8in-16 x 3/8in	
14	13599A	1	Boss, Extension Cylinder Rod	
15	65263A	1	Pin, Chain Roller	
16	P00602	1	Capscrew, Hx, 5/8in-11 x 1 1/2in	
17	P01314	1	Lockwasher, 5/8in	
18	32432B	1	Lock Pin, 5/8in	
19	65692A	2	Bushing, Chain Roller	
20	65755B	1	Sheave, Chain	
21	66151D	1	Boom, Middle	
22	P11678	2	Grease Fitting, Drive	
23	39024A	2	Slide Pad, Boom (3/4in x 2in wide)	
24	10169065	1	Pin, Hitch	
25	66155A	1	Shaft, Hose Follower Mounting	
26	66156A	1	Hose, Follower	
27	P02757	1	Setscrew, Square Hd, Cup Pt, 1/2in-13 x 1 3/4in	
28	P01560	1	Jam Nut, Hx, 1/2in-13	
29	39863A	2	Slide Pad, Bottom	
30	P01359	4	Starwasher, 3/8in	
31	P03225	4	Capscrew, Button Hd Socket, 3/8in-16 x 3/4in	
32	36174A	1	Shaft, Chain and Hose Roller	
33	P16611	1	Grease Fitting	
34	66879A	2	Hose Guide	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
35	68427B	2	Hose Sheave	
36	68428A	2	Spacer, Hose	
37	67375A	2	Washer, Inner	
38	65723A	2	Bushing, Chain and Hose Roller	
39	36186B	1	Roller, Chain and Hose	
40	38191A	1	Bushing, Hardened	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-14. MIDDLE BOOM ASSEMBLY (3-SECTION) (644B-42,844C-42) (644B-42 SN 936 through 1083; 844C-42 SN 2265 through 2854)



SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-14. MIDDLE BOOM ASSEMBLY (3-SECTION) (644B-42,844C-42) (644B-42 SN 936 through 1083; 844C-42 SN 2265 through 2854)

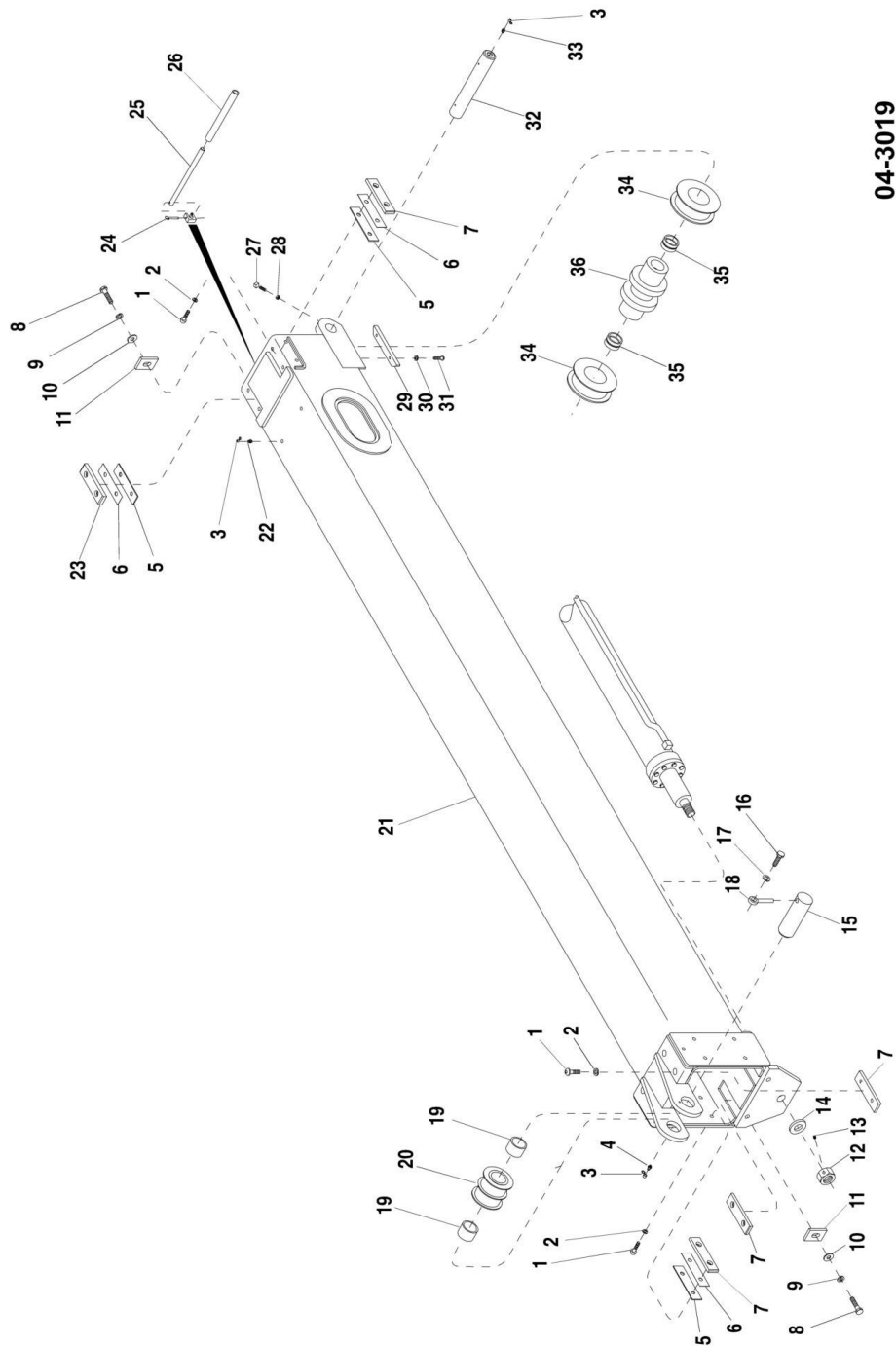
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P03236	-	Capscrew, Button Hd Socket, 1/2in-20 x 3/4in (Note: Capscrew length will vary with shimming requirements)	
1	P03237	18	Capscrew, Button Hd Socket, 1/2in-20 x 1in (Note: Capscrew length will vary with shimming requirements)	
1	P03242	-	Capscrew, Button Hd Socket, 1/2in-20 x 1 1/4in (Note: Capscrew length will vary with shimming requirements)	
1	P00450	-	Capscrew, Hx, 1/2in-20 x 3/4in (Note: Capscrew length will vary with shimming requirements)	
1	P00452	-	Capscrew, Hx, 1/2in-20 x 1in (Note: Capscrew length will vary with shimming requirements)	
1	P00453	-	Capscrew, Hx, 1/2in-20 x 1 1/4in (Note: Capscrew length will vary with shimming requirements)	
2	P01312	16	Lockwasher, 1/2in (Note: Washers will vary with shimming requirements)	
2	P01361	-	Starwasher, 1/2in (Note: Washers will vary with shimming requirements)	
2	P01406	-	Flatwasher, 1/2in (Note: Washers will vary with shimming requirements)	
3	P32689	4	Cover, Grease Fitting	
4	P15272	1	Grease Fitting - 1/8in N.P.T.	
5	36328A	AR	Shim, 10 GA (.135in x 2in wide)	
6	36329A	AR	Shim, 16 GA (.060in x 2in wide)	
7	39023A	10	Slide Pad, Boom (9/16in x 2in wide)	
8	P00701	4	Capscrew, Hx, 3/4in-10 x 1 3/4in	
9	P01315	4	Lockwasher, 3/4in	
10	P01440	4	Flatwasher, 3/4in SAE	
11	39809A	4	Pad Retainer, Aluminum	
12	16369A	1	Nut, Extension Cylinder Rod	
13	P02612	1	Setscrew, Socket - Cup Pt, 3/8in-16 x 3/8in	
14	13599A	1	Boss, Extension Cylinder Rod	
15	65263A	1	Pin, Chain Roller	
16	P00602	1	Capscrew, Hx, 5/8in-11 x 1 1/2in	
17	P01314	1	Lockwasher, 5/8in	
18	32432B	1	Lock Pin, 5/8in	
19	65692A	2	Bushing, Chain Roller	
20	65755B	1	Sheave, Chain	
21	66151D	1	Boom, Middle	
22	P11678	2	Grease Fitting, Drive	
23	39024A	2	Slide Pad, Boom (3/4in x 2in wide)	
24	10169065	1	Pin, Hitch	
25	66155A	1	Shaft, Hose Follower Mounting	
26	66156A	1	Hose, Follower	
27	P02757	1	Setscrew, Square Hd, Cup Pt, 1/2in-13 x 1 3/4in	
28	P01560	1	Jam Nut, Hx, 1/2in-13	
29	39863A	2	Slide Pad, Bottom	
30	P01359	4	Starwasher, 3/8in	
31	P03225	4	Capscrew, Button Hd Socket, 3/8in-16 x 3/4in	
32	36174A	1	Shaft, Chain and Hose Roller	
33	P16611	1	Grease Fitting	
34	66879A	2	Hose Guide	
35	68427B	2	Hose Sheave	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
36	68428A	2	Spacer, Hose	
37	67375A	2	Washer, Inner	
38	65723A	2	Bushing, Chain and Hose Roller	
39	36186B	1	Roller, Chain and Hose	
40	38191A	1	Bushing, Hardened	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-15. MIDDLE BOOM ASSEMBLY (3-SECTION) (1044C-42,10K-42,644B-42,6K-42,844C-42,8K-42) (644B-42 SN 1084 to Present; 844C-42 SN 2855 to Present; 1044C-42 SN 128 to Present; 6K-42 SN 227 to Present; 8K-42 SN 428 to Present; 10K-42 SN 115 to Present)



SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-15. MIDDLE BOOM ASSEMBLY (3-SECTION) (1044C-42,10K-42,644B-42,6K-42,844C-42,8K-42) (644B-42 SN 1084 to Present; 844C-42 SN 2855 to Present; 1044C-42 SN 128 to Present; 6K-42 SN 227 to Present; 8K-42 SN 428 to Present; 10K-42 SN 115 to Present)

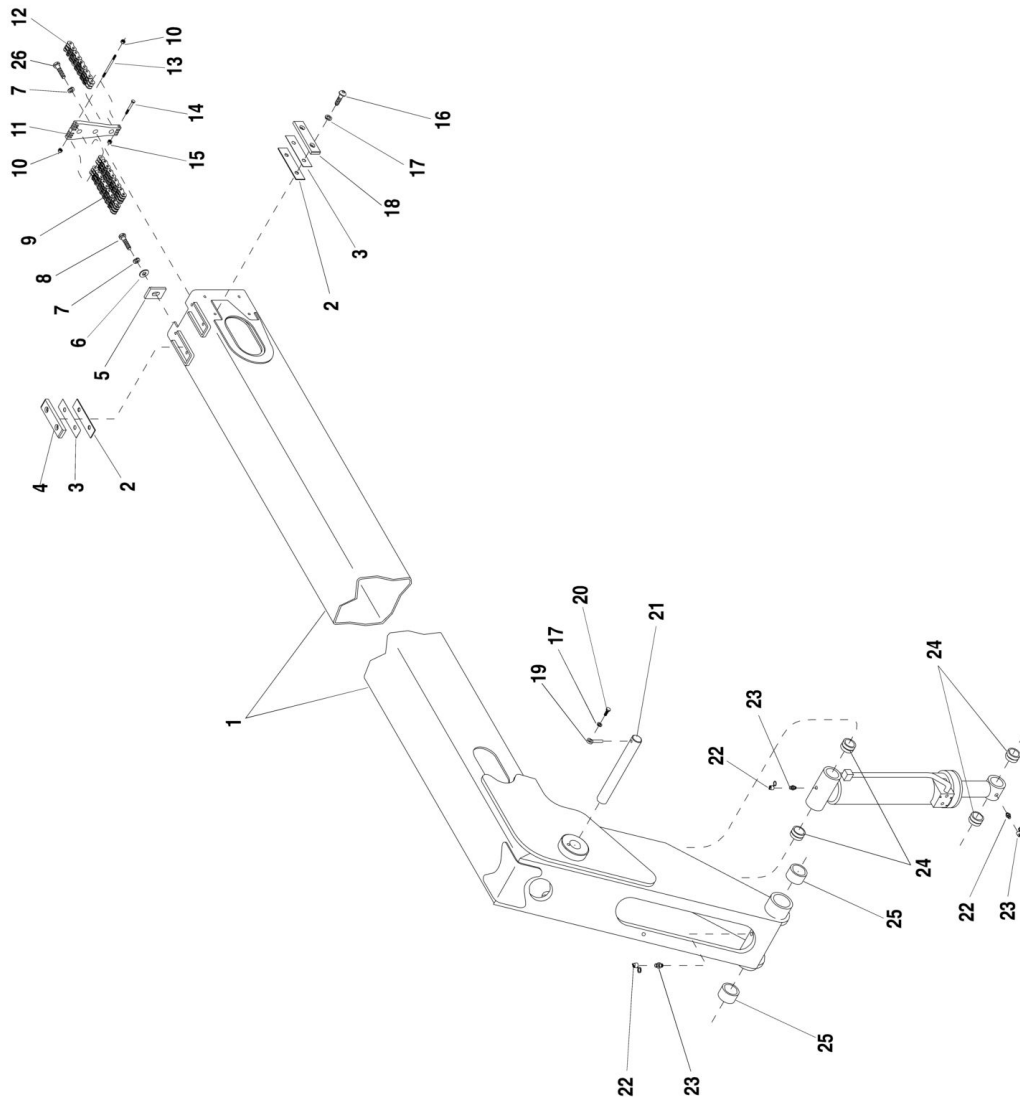
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P03236	-	Capscrew, Button Hd Socket, 1/2in-20 x 3/4in (Note: Capscrew length will vary with shimming requirements)	
1	P03237	18	Capscrew, Button Hd Socket, 1/2in-20 x 1in (Note: Capscrew length will vary with shimming requirements)	
1	P03242	-	Capscrew, Button Hd Socket, 1/2in-20 x 1 1/4in (Note: Capscrew length will vary with shimming requirements)	
1	P00450	-	Capscrew, Hx, 1/2in-20 x 3/4in (Note: Capscrew length will vary with shimming requirements)	
1	P00452	-	Capscrew, Hx, 1/2in-20 x 1in (Note: Capscrew length will vary with shimming requirements)	
1	P00453	-	Capscrew, Hx, 1/2in-20 x 1 1/4in (Note: Capscrew length will vary with shimming requirements)	
2	P01312	16	Lockwasher, 1/2in (Note: Washers will vary with shimming requirements)	
2	P01361	-	Starwasher, 1/2in (Note: Washers will vary with shimming requirements)	
2	P01406	-	Flatwasher, 1/2in (Note: Washers will vary with shimming requirements)	
3	P32689	4	Cover, Grease Fitting	
4	P15272	1	Grease Fitting - 1/8in N.P.T.	
5	36328A	AR	Shim, 10 GA (.135in x 2in wide)	
6	36329A	AR	Shim, 16 GA (.060in x 2in wide)	
7	39023A	10	Slide Pad, Boom (9/16in x 2in wide)	
8	P00701	4	Capscrew, Hx, 3/4in-10 x 1 3/4in	
9	P01315	4	Lockwasher, 3/4in	
10	P01440	4	Flatwasher, 3/4in SAE	
11	39809A	4	Pad Retainer, Aluminum	
12	16369A	1	Nut, Extension Cylinder Rod	
13	P02612	1	Setscrew, Socket - Cup Pt, 3/8in-16 x 3/8in	
14	13599A	1	Boss, Extension Cylinder Rod	
15	65263A	1	Pin, Chain Roller	
16	P00602	1	Capscrew, Hx, 5/8in-11 x 1 1/2in	
17	P01314	1	Lockwasher, 5/8in	
18	32432B	1	Lock Pin, 5/8in	
19	65692A	2	Bushing, Chain Roller	
20	65755B	1	Sheave, Chain	
21	66151D	1	Boom, Middle	
22	P11678	2	Grease Fitting, Drive	
23	39024A	2	Slide Pad, Boom (3/4in x 2in wide)	
24	10169065	1	Pin, Hitch	
25	66155A	1	Shaft, Hose Follower Mounting	
26	66156A	1	Hose, Follower	
27	P02757	1	Setscrew, Square Hd, Cup Pt, 1/2in-13 x 1 3/4in	
28	P01560	1	Jam Nut, Hx, 1/2in-13	
29	39863A	2	Slide Pad, Bottom	
30	P01359	4	Starwasher, 3/8in	
31	P03225	4	Capscrew, Button Hd Socket, 3/8in-16 x 3/4in	
32	36174A	1	Shaft, Chain and Hose Roller	
33	P16611	1	Grease Fitting	
34	68427B	2	Hose Sheave	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
35	65723A	2	Bushing, Chain and Hose Roller	
36	1100277	1	Roller, Chain and Hose	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-16. INNER BOOM ASSEMBLY (3-SECTION) (1044C-42,10K-42,644B-42,6K-42,844C-42,8K-42) (644B-42 SN 101 through 264; 844C-42 SN 101 through 858; 1044C-42 SN 101 through 120; 6K-42 SN 101 through 137; 8K-42 SN 101 through 273; 10K-42 SN 101 through 108)



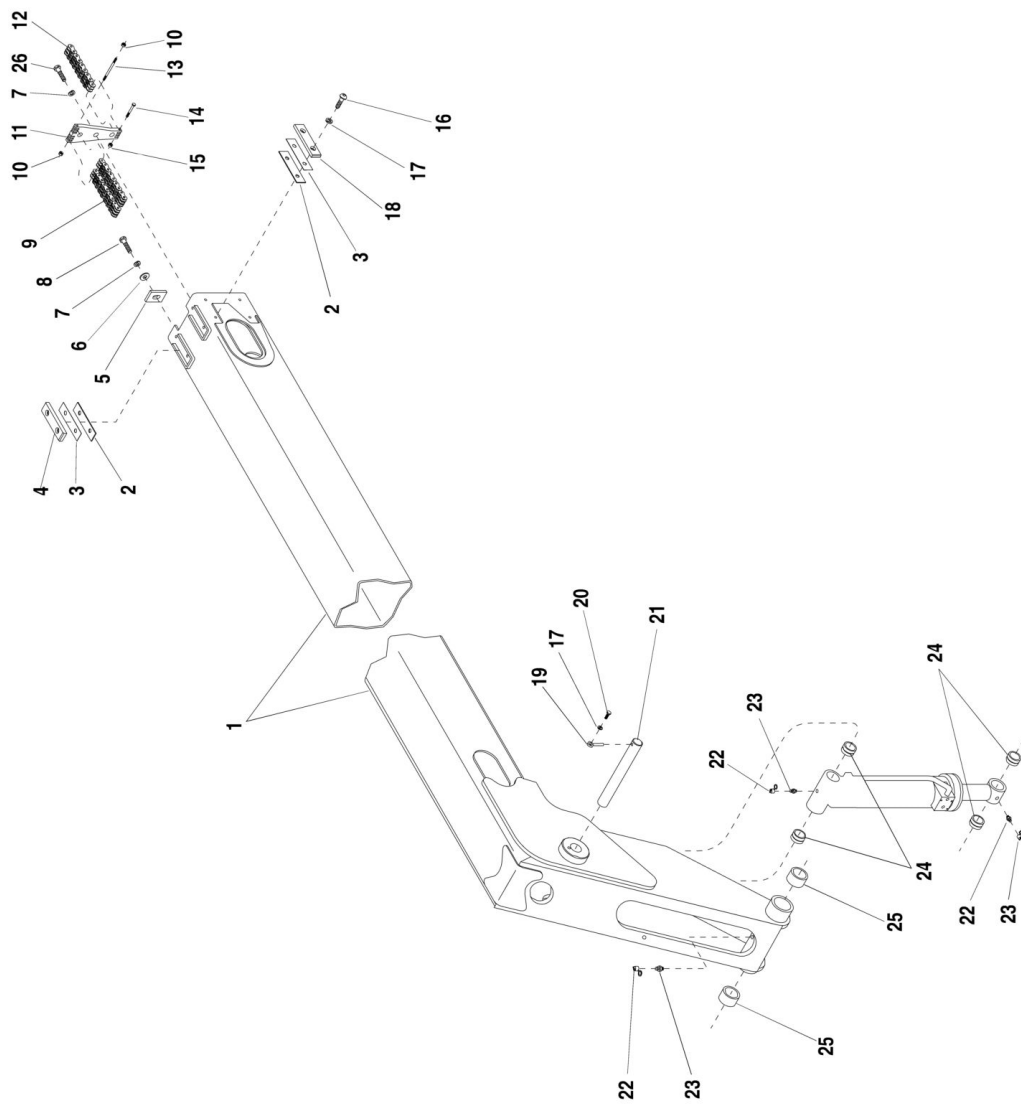
SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-16. INNER BOOM ASSEMBLY (3-SECTION) (1044C-42,10K-42,644B-42,6K-42,844C-42,8K-42) (644B-42 SN 101 through 264; 844C-42 SN 101 through 858; 1044C-42 SN 101 through 120; 6K-42 SN 101 through 137; 8K-42 SN 101 through 273; 10K-42 SN 101 through 108)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	36815D	1	Inner Boom	
2	36328A	AR	Shim, 10 GA (.135in x 2in wide)	
3	36329A	AR	Shim, 16 GA (.060in x 2in wide)	
4	39024A	2	Slide Pad, Boom (3/4in x 2in wide)	
5	39809A	2	Pad Retainer, Aluminum (Supersedes 36857A)	
6	P01440	2	Flatwasher, 3/4in SAE	
7	P01315	5	Lockwasher, 3/4in	
8	P00701	2	Capscrew, Hx, 3/4in-10 x 1 3/4in	
9	36225A	2	Chain, Upper	
10	P05001	2	Locknut, Hx, 5/16in-18	
11	36852B	1	Chain Anchor, Rear	
12	36226A	1	Chain, Lower	
13	39379A	1	Rod, Chain Anchor	
14	P27310	1	Shoulder Bolt, 5/16in Dia x 2in	
15	P05000	1	Locknut, Hx, 1/4in-20	
16	P03236	-	Capscrew, Button Hd Socket, 1/2in-20 x 3/4in (Note: Capscrew length will vary with shimming requirements)	
16	P03237	12	Capscrew, Button Hd Socket, 1/2in-20 x 1in (Note: Capscrew length will vary with shimming requirements)	
16	P03242	-	Capscrew, Button Hd Socket, 1/2in-20 x 1 1/4in (Note: Capscrew length will vary with shimming requirements)	
17	P01312	13	Lockwasher, 1/2in	
18	39023A	6	Slide Pad, Boom (9/16in x 2in wide)	
19	34178A	1	Lock Pin	
20	P00403	1	Capscrew, Hx, 1/2in-13 x 1 1/4in	
21	36541A	1	Pin, Front Carriage Tilt Cylinder - Base End	
22	P32689	3	Cover, Grease Fitting	
23	P16611	3	Grease Fitting	
24	16228A	4	Bushing, Front Carriage Tilt Cylinder	
25	24257A	2	Bushing, Boom - Quick Attach Pivot	
26	P00704	3	Capscrew, Hx, 3/4in-10 x 2 1/2in	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-17. INNER BOOM ASSEMBLY (3-SECTION) (1044C-42,10K-42,644B-42,6K-42,844C-42,8K-42) (644B-42 SN 265 to Present; 844C-42 SN 859 to Present; 1044C-42 SN 121 to Present; 6K-42 SN 138 to Present; 8K-42 SN 274 to Present; 10K-42 SN 109 to Present)



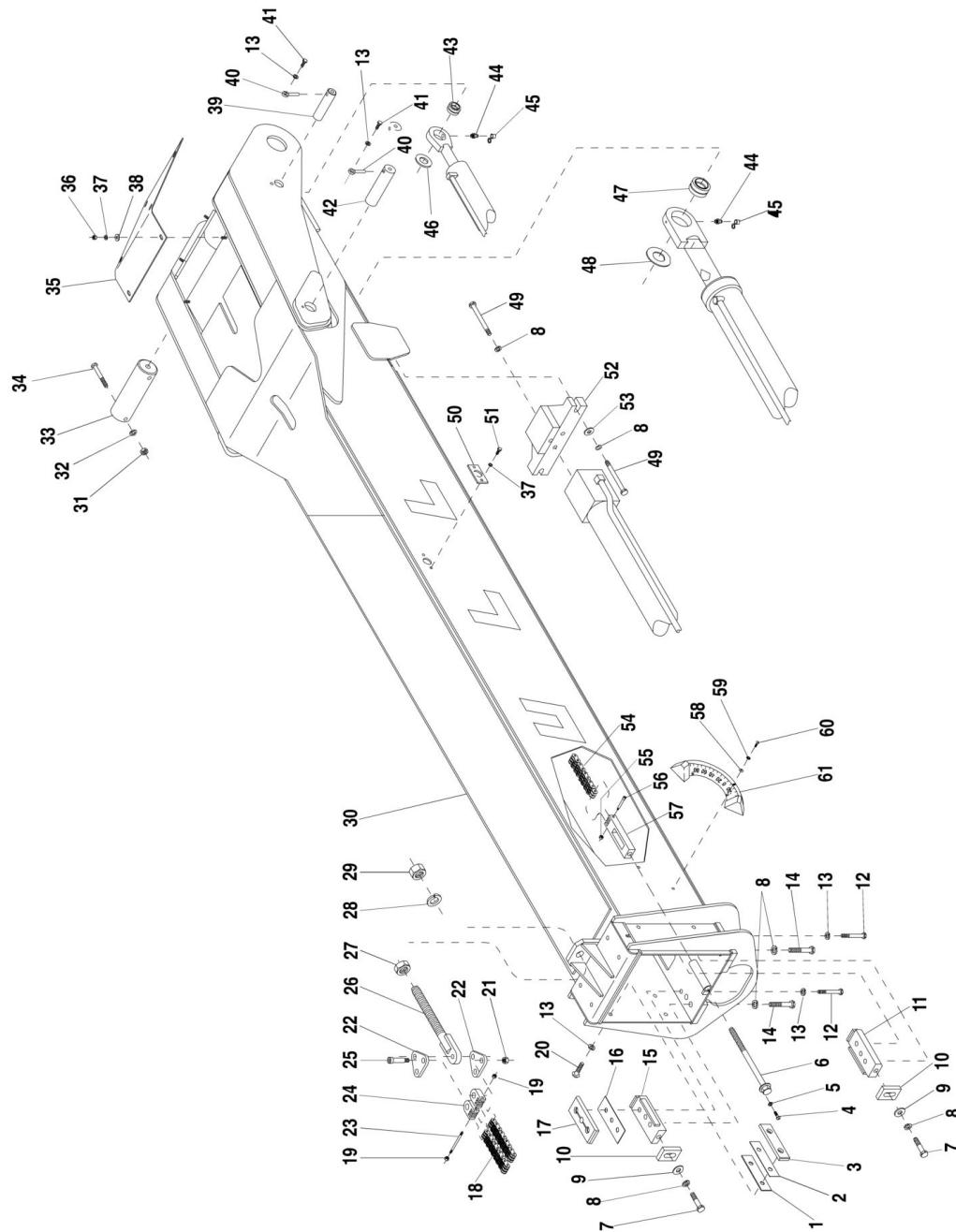
SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-17. INNER BOOM ASSEMBLY (3-SECTION) (1044C-42,10K-42,644B-42,6K-42,844C-42,8K-42) (644B-42 SN 265 to Present; 844C-42 SN 859 to Present; 1044C-42 SN 121 to Present; 6K-42 SN 138 to Present; 8K-42 SN 274 to Present; 10K-42 SN 109 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	36815D	1	Inner Boom	
2	36328A	AR	Shim, 10 GA (.135in x 2in wide)	
3	36329A	AR	Shim, 16 GA (.060in x 2in wide)	
4	39024A	2	Slide Pad, Boom (3/4in x 2in wide)	
5	39809A	2	Pad Retainer, Aluminum (Supersedes 36857A)	
6	P01440	2	Flatwasher, 3/4in SAE	
7	P01315	5	Lockwasher, 3/4in	
8	P00701	2	Capscrew, Hx, 3/4in-10 x 1 3/4in	
9	65728A	2	Chain, Upper	
10	P05001	2	Locknut, Hx, 5/16in-18	
11	36852B	1	Chain Anchor, Rear	
12	36226A	1	Chain, Lower	
13	39379A	1	Rod, Chain Anchor	
14	P27310	1	Shoulder Bolt, 5/16in Dia x 2in	
15	P05000	1	Locknut, Hx, 1/4in-20	
16	P03236	-	Capscrew, Button Hd Socket, 1/2in-20 x 3/4in (Note: Capscrew length will vary with shimming requirements)	
16	P03237	12	Capscrew, Button Hd Socket, 1/2in-20 x 1in (Note: Capscrew length will vary with shimming requirements)	
16	P03242	-	Capscrew, Button Hd Socket, 1/2in-20 x 1 1/4in (Note: Capscrew length will vary with shimming requirements)	
17	P01312	13	Lockwasher, 1/2in	
18	39023A	6	Slide Pad, Boom (9/16in x 2in wide)	
19	34178A	1	Lock Pin	
20	P00403	1	Capscrew, Hx, 1/2in-13 x 1 1/4in	
21	36541A	1	Pin, Front Carriage Tilt Cylinder - Base End	
22	P32689	3	Cover, Grease Fitting	
23	P16611	3	Grease Fitting	
24	16228A	4	Bushing, Front Carriage Tilt Cylinder	
25	24257A	2	Bushing, Boom - Quick Attach Pivot	
26	P00704	3	Capscrew, Hx, 3/4in-10 x 2 1/2in	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-18. OUTER BOOM ASSEMBLY (4-SECTION) (1044C-54,10K-54) (1044C-54 SN 101 through 143; 10K-54 SN 101 through 103)



SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-18. OUTER BOOM ASSEMBLY (4-SECTION) (1044C-54,10K-54) (1044C-54 SN 101 through 143; 10K-54 SN 101 through 103)

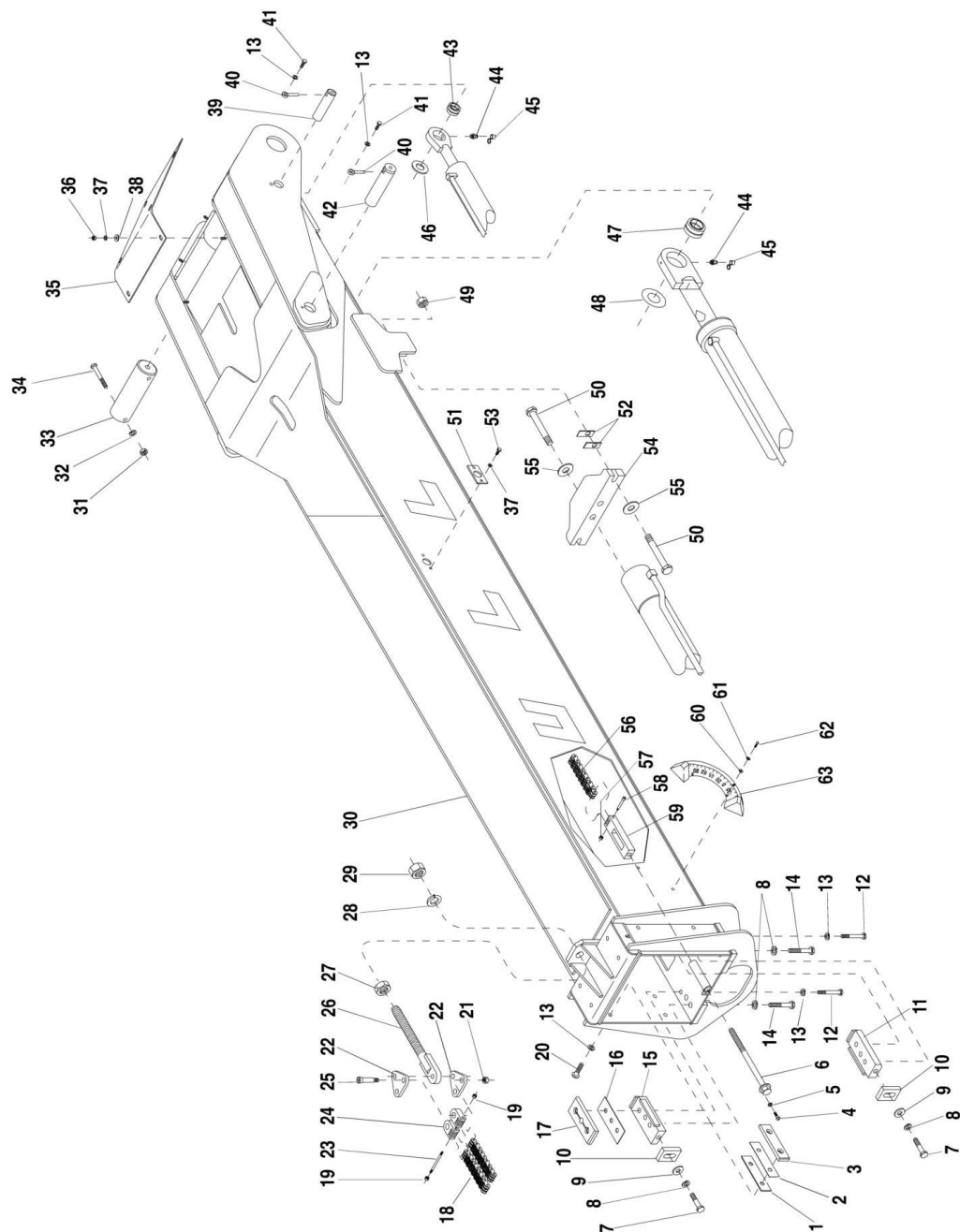
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	36328A	AR	Shim, 10 GA (.135in x 2in wide)	
2	36329A	AR	Shim, 16 GA (.060in x 2in wide)	
3	39023A	4	Slide Pad, Boom (9/16in x 2in wide)	
4	P03194	1	Capscrew, Button Hd Socket, 1/4in-20 x 1/2in	
5	P01308	1	Lockwasher, 1/4in	
6	38374A	1	Adjustment Rod, Chain	
7	P00700	2	Capscrew, Hx, 3/4in-10 x 1 1/2in	
8	P01315	23	Lockwasher, 3/4in	
9	P01440	2	Flatwasher, 3/4in SAE	
10	38773A	2	Pad Retainer, Aluminum (Replaces 39809A)	
11	38721A	1	Retainer Block - L.H., Pad	
12	P00489	4	Capscrew, Hx, 1/2in-20 x 3 1/2in GR 8	
13	P01312	18	Lockwasher, 1/2in	
14	P00705	4	Capscrew, Hx, 3/4in-10 x 2 3/4in	
15	38615A	1	Retainer Block - R.H., Pad	
16	38770A	AR	Shim, 16 GA (.060in x 3in wide)	
17	39530A	2	Slide Pad, Boom (1in x 3in wide)	
18	38746A	2	Chain, Upper (188.25in Long)	
19	P05001	3	Locknut, Hx, 5/16in-18	
20	P03236	12	Capscrew, Button Hd Socket, 1/2in-20 x 3/4in (Note: Capscrew length will vary with shimming requirements)	
20	P03237	-	Capscrew, Button Hd Socket, 1/2in-20 x 1in (Note: Capscrew length will vary with shimming requirements)	
21	P01662	3	Locknut, Hx, 5/8in-11	
22	38732B	2	Equalizer, Chain	
23	39379A	1	Rod, Chain Anchor	
24	38725B	2	Chain Anchor	
25	37685X	3	Shoulder Bolt, 3/4in Dia x 2 1/4in	
26	68548A	1	Anchor, Chain Adjustment	
27	P01567	1	Jam Nut, Hx, 1 1/4in-7	
28	P01319	1	Lockwasher, 1 1/4in	
29	P01517	1	Nut, Hx, 1 1/4in-7	
30	N.L.A.	1	Outer Boom (Note: Order Outer Boom Replacment Kit 68538A)	
31	P01512	2	Nut, Hx, 5/8in-11	
32	P01314	2	Lockwasher, 5/8in	
33	36238B	2	Pin, Boom Pivot	
34	P00618	2	Capscrew, Hx, 5/8in-11 x 7in	
35	39098B	1	Cover, Boom	
36	P01508	6	Nut, Hx, 3/8in-16	
37	P01310	8	Lockwasher, 3/8in	
38	P01404	6	Flatwasher, 3/8in	
39	36240A	2	Pin, Rear Carriage Tilt Cylinder - Rod End	
40	34178A	4	Lock Pin	
41	P00403	4	Capscrew, Hx, 1/2in-13 x 1 1/4in	
42	36907A	2	Pin, Hoist Cylinder - Rod End	
43	P13449	2	Bushing, Rear Carriage Tilt Cylinder - Rod End	
44	P16611	4	Grease Fitting	
45	P32689	6	Cover, Grease Fitting	
46	P01446	AR	Shim, Rear Carriage Tilt Cylinder	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	P18830	2	Bushing, Hoist Cylinder - Rod End	
48	P21586	AR	Shim, Hoist Cylinder	
49	P00715	5	Capscrew, Hx, 3/4in-10 x 6 1/2in	
50	39068A	1	Mounting Plate, Proximity	
51	P00201	2	Capscrew, Hx, 3/8in-16 x 5/8in	
52	38512B	1	Base Mount, Extension Cylinder	
53	P01409	2	Flatwasher, 3/4in	
54	38745A	1	Chain, Lower (167.25in Long)	
55	P05000	1	Locknut, Hx, 1/4in-20	
56	P27310	1	Shoulder Bolt, 5/16in Dia x 2in	
57	38723B	1	Adjustment Block, Chain	
58	P01427	2	Flatwasher, #8	
59	P01354	2	Starwasher, #8 External	
60	P02034	2	Screw, Slotted Rd Hd, #8-32 x 1/2in	
61	38252B	1	Inclinometer, Boom Angle	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-19. OUTER BOOM ASSEMBLY (4-SECTION) (1044C-54,10K-54) (1044C-54 SN 144 through 192; 10K-54 SN 104 through 107)



SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-19. OUTER BOOM ASSEMBLY (4-SECTION) (1044C-54,10K-54) (1044C-54 SN 144 through 192; 10K-54 SN 104 through 107)

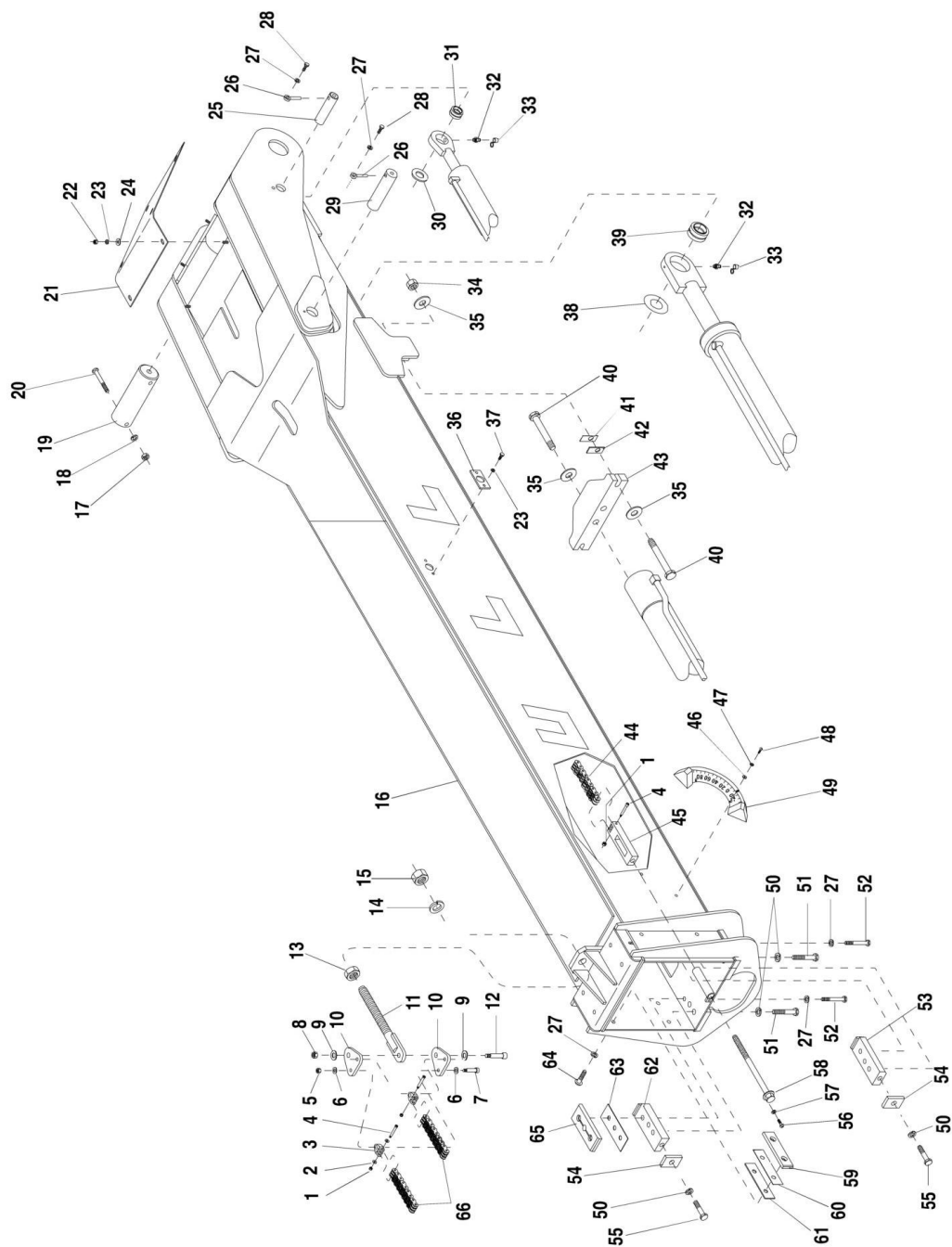
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	36328A	AR	Shim, 10 GA (.135in x 2in wide)	
2	36329A	AR	Shim, 16 GA (.060in x 2in wide)	
3	39023A	4	Slide Pad, Boom (9/16in x 2in wide)	
4	P03194	1	Capscrew, Button Hd Socket, 1/4in-20 x 1/2in	
5	P01308	1	Lockwasher, 1/4in	
6	38374A	1	Adjustment Rod, Chain	
7	P00700	2	Capscrew, Hx, 3/4in-10 x 1 1/2in	
8	P01315	23	Lockwasher, 3/4in	
9	P01440	2	Flatwasher, 3/4in SAE	
10	38773A	2	Pad Retainer, Aluminum (Replaces 39809A)	
11	38721A	1	Retainer Block - L.H., Pad	
12	P00489	4	Capscrew, Hx, 1/2in-20 x 3 1/2in GR 8	
13	P01312	18	Lockwasher, 1/2in	
14	P00705	4	Capscrew, Hx, 3/4in-10 x 2 3/4in	
15	38615A	1	Retainer Block - R.H., Pad	
16	38770A	AR	Shim, 16 GA (.060in x 3in wide)	
17	39530A	2	Slide Pad, Boom (1in x 3in wide)	
18	38746A	2	Chain, Upper (188.25in Long)	
19	P05001	3	Locknut, Hx, 5/16in-18	
20	P03236	12	Capscrew, Button Hd Socket, 1/2in-20 x 3/4in (Note: Capscrew length will vary with shimming requirements)	
20	P03237	-	Capscrew, Button Hd Socket, 1/2in-20 x 1in (Note: Capscrew length will vary with shimming requirements)	
21	P01662	3	Locknut, Hx, 5/8in-11	
22	38732B	2	Equalizer, Chain	
23	39379A	1	Rod, Chain Anchor	
24	38725B	2	Chain Anchor	
25	37685X	3	Shoulder Bolt, 3/4in Dia x 2 1/4in	
26	68548A	1	Anchor, Chain Adjustment Kit	
27	P01567	1	Jam Nut, Hx, 1 1/4in-7	
28	P01319	1	Lockwasher, 1 1/4in	
29	P01517	1	Nut, Hx, 1 1/4in-7	
30	N.L.A.	1	Outer Boom (Note: Order Outer Boom Replacment Kit 68538A)	
31	P01512	2	Nut, Hx, 5/8in-11	
32	P01314	2	Lockwasher, 5/8in	
33	36238B	2	Pin, Boom Pivot	
34	P00618	2	Capscrew, Hx, 5/8in-11 x 7in	
35	39098B	1	Cover, Boom	
36	P01508	6	Nut, Hx, 3/8in-16	
37	P01310	8	Lockwasher, 3/8in	
38	P01404	6	Flatwasher, 3/8in	
39	36240A	2	Pin, Rear Carriage Tilt Cylinder - Rod End	
40	34178A	4	Lock Pin	
41	P00403	4	Capscrew, Hx, 1/2in-13 x 1 1/4in	
42	36907A	2	Pin, Hoist Cylinder - Rod End	
43	P13449	2	Bushing, Rear Carriage Tilt Cylinder - Rod End	
44	P16611	4	Grease Fitting	
45	P32689	6	Cover, Grease Fitting	
46	P01446	AR	Shim, Rear Carriage Tilt Cylinder	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	P18830	2	Bushing, Hoist Cylinder - Rod End	
48	P21586	AR	Shim, Hoist Cylinder	
49	39068A	2	Nut, Hx, 1in-8 GR8	
50	P00940	4	Capscrew, Hx, 1in-8 x 6 1/2in GR 8	
51	39068A	1	Mounting Plate, Proximity	
52	39687A	AR	Shim, 1/8in	
52	39688A	AR	Shim, 1/16in	
53	P00201	2	Capscrew, Hx, 3/8in-16 x 5/8in	
54	38512B	1	Base Mount, Extension Cylinder	
55	P01259	2	Flatwasher, 1in SAE - Hardened	
56	38745A	1	Chain, Lower (167.25in Long)	
57	P05000	1	Locknut, Hx, 1/4in-20	
58	P27310	1	Shoulder Bolt, 5/16in Dia x 2in	
59	38723B	1	Adjustment Block, Chain	
60	P01427	2	Flatwasher, #8	
61	P01354	2	Starwasher, #8 External	
62	P02034	2	Screw, Slotted Rd Hd, #8-32 x 1/2in	
63	38252B	1	Inclinometer, Boom Angle	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-20. OUTER BOOM ASSEMBLY (4-SECTION) (1044C-54,10K-54) (1044C-54 SN 193 through 384; 10K-54 SN 108 through 119)



SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-20. OUTER BOOM ASSEMBLY (4-SECTION) (1044C-54,10K-54) (1044C-54 SN 193 through 384; 10K-54 SN 108 through 119)

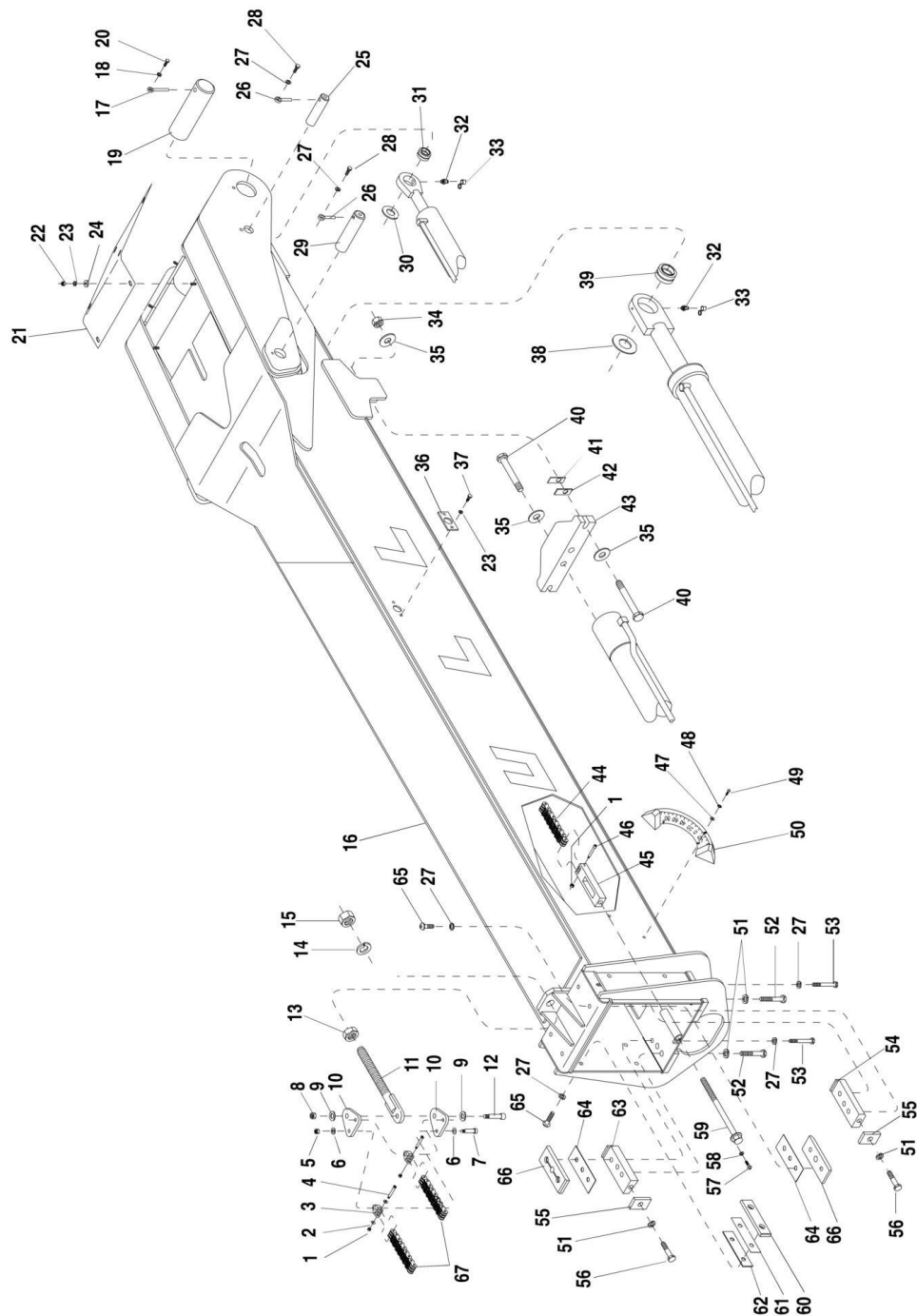
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P05000	3	Locknut, Hx, 1/4in-20	
2	P01276	6	Flatwasher, 5/16in	
3	7119372	2	Chain Anchor	
4	67160X	3	Shoulder Bolt, 5/16in Dia x 1 3/4in	
5	P01658	2	Locknut, Hx, 3/8in-16	
6	P01406	4	Flatwasher, 1/2in	
7	37753X	2	Shoulder Bolt, 1/2in Dia X 2in	
8	P01662	1	Locknut, Hx, 5/8in-11	
9	P01440	3	Flatwasher, 3/4in SAE	
10	65729B	2	Equalizer, Chain	
11	38726B	1	Anchor, Chain Adjustment	
12	P21439	1	Shoulder Bolt, 3/4in Dia x 2in	
13	P01567	1	Jam Nut, Hx, 1 1/4in-7	
14	P01319	1	Lockwasher, 1 1/4in	
15	P01517	1	Nut, Hx, 1 1/4in-7	
16	N.L.A.	1	Outer Boom (Note: Order Outer Boom Replacment Kit 68538A)	
17	P01512	2	Nut, Hx, 5/8in-11	
18	P01314	2	Lockwasher, 5/8in	
19	36238B	2	Pin, Boom Pivot	
20	P00618	2	Capscrew, Hx, 5/8in-11 x 7in	
21	39098B	1	Cover, Boom	
22	P01508	6	Nut, Hx, 3/8in-16	
23	P01310	8	Lockwasher, 3/8in	
24	P01404	6	Flatwasher, 3/8in	
25	36240A	2	Pin, Rear Carriage Tilt Cylinder - Rod End	
26	34178A	4	Lock Pin	
27	P01312	18	Lockwasher, 1/2in	
28	P00403	4	Capscrew, Hx, 1/2in-13 x 1 1/4in	
29	36907A	2	Pin, Hoist Cylinder - Rod End	
30	P01446	AR	Shim, Rear Carriage Tilt Cylinder	
31	P13449	2	Bushing, Rear Carriage Tilt Cylinder - Rod End	
32	P16611	4	Grease Fitting	
33	P32689	6	Cover, Grease Fitting	
34	P01209	2	Nut, Hx, 1in-8 GR8	
35	P01259	4	Flatwasher, 1in SAE - Hardened	
36	39068A	1	Mounting Plate, Proximity	
37	P00201	2	Capscrew, Hx, 3/8in-16 x 5/8in	
38	P21586	AR	Shim, Hoist Cylinder	
39	P18830	2	Bushing, Hoist Cylinder - Rod End	
40	P00940	4	Capscrew, Hx, 1in-8 x 6 1/2in GR 8	
41	39688A	AR	Shim, 1/16in	
42	39687A	AR	Shim, 1/8in	
43	38512B	1	Base Mount, Extension Cylinder	
44	38745A	1	Chain, Lower (167.25in Long)	
45	38723B	1	Adjustment Block, Chain	
46	P01427	2	Flatwasher, #8	
47	P01354	2	Starwasher, #8 External	
48	P02034	2	Screw, Slotted Rd Hd, #8-32 x 1/2in	
49	38252B	1	Inclinometer, Boom Angle	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	P01315	23	Lockwasher, 3/4in	
51	P00730	4	Capscrew, Hx, 3/4in-10 x 2 3/4in	
52	P00489	4	Capscrew, Hx, 1/2in-20 x 3 1/2in GR 8	
53	38721A	1	Retainer Block - L.H., Pad	
54	38773A	2	Pad Retainer, Aluminum (Replaces 39809A)	
55	P00700	2	Capscrew, Hx, 3/4in-10 x 1 1/2in	
56	P03194	1	Capscrew, Button Hd Socket, 1/4in-20 x 1/2in	
57	P01308	1	Lockwasher, 1/4in	
58	38374A	1	Adjustment Rod, Chain	
59	39023A	4	Slide Pad, Boom (9/16in x 2in wide)	
60	36329A	AR	Shim, 16 GA (.060in x 2in wide)	
61	36328A	AR	Shim, 10 GA (.135in x 2in wide)	
62	38615A	1	Retainer Block - R.H., Pad	
63	38770A	AR	Shim, 16 GA (.060in x 3in wide)	
64	P03236	12	Capscrew, Button Hd Socket, 1/2in-20 x 3/4in (Note: Capscrew length will vary with shimming requirements)	
64	P03237	-	Capscrew, Button Hd Socket, 1/2in-20 x 1in (Note: Capscrew length will vary with shimming requirements)	
65	39530A	2	Slide Pad, Boom (1in x 3in wide)	
66	65727A	2	Chain Upper (196.50in Long)	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-21. OUTER BOOM ASSEMBLY (4-SECTION) (1044C-54,10K-54) (1044C-54 SN 385 to Present; 10K-54 SN 120 to Present)



SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-21. OUTER BOOM ASSEMBLY (4-SECTION) (1044C-54,10K-54) (1044C-54 SN 385 to Present; 10K-54 SN 120 to Present)

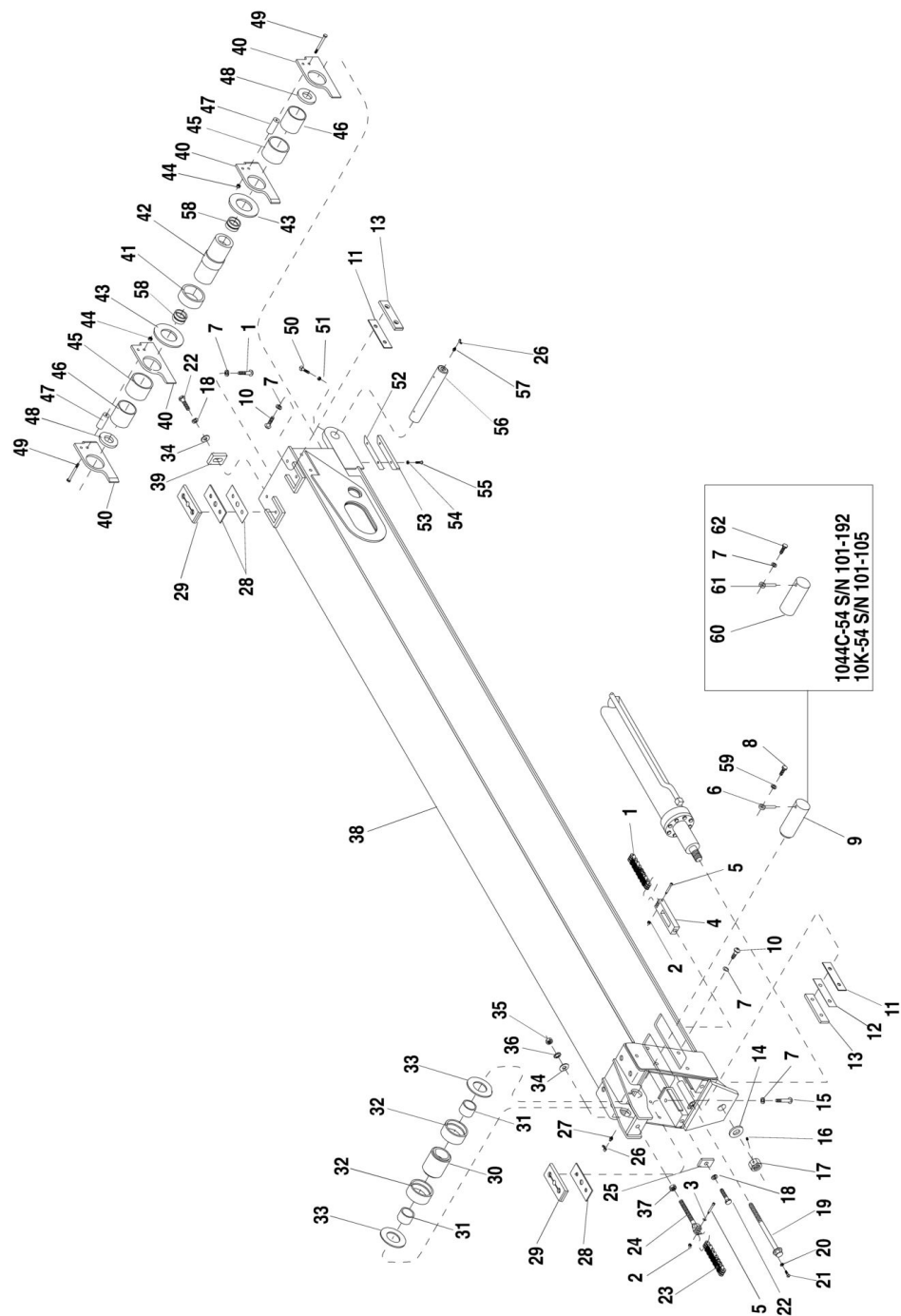
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	10705000	3	Locknut, Hx, 1/4in-20	
2	10701275	6	Flatwasher, 1/4in	
3	7119372	2	Chain Anchor	
4	10867160	2	Shoulder Bolt, 5/16in Dia x 1 3/4in	
5	10701658	2	Locknut, Hx, 3/8in-16	
6	10701254	4	Flatwasher, 1/2in (Hardened)	
7	10837753	2	Shoulder Bolt, 1/2in Dia x 1 3/4in	
8	10701662	1	Locknut, Hx, 5/8in-11	
9	10701440	2	Flatwasher, 3/4in SAE	
10	10265729	2	Equalizer, Chain	
11	10238726	1	Anchor, Chain Adjustment	
12	10721439	1	Shoulder Bolt, 3/4in Dia x 2in	
13	10701567	1	Jam Nut, Hx, 1 1/4in-7	
14	10701319	1	Lockwasher, 1 1/4in	
15	10701517	1	Nut, Hx, 1 1/4in-7	
16	10438566	1	Outer Boom	
17	10138806	2	Lock Pin	
18	10701314	2	Lockwasher, 5/8in	
19	10267799	2	Pin, Boom Pivot	
20	10700605	2	Capscrew, Hx, 5/8in-11 x 2 1/4in	
21	10239098	1	Cover, Boom	
22	10701508	6	Nut, Hx, 3/8in-16	
23	10701310	8	Lockwasher, 3/8in	
24	10701404	6	Flatwasher, 3/8in	
25	10136240	2	Pin, Rear Carriage Tilt Cylinder - Rod End	
26	10134178	4	Lock Pin	
27	10701312	18	Lockwasher, 1/2in	
28	10700403	4	Capscrew, Hx, 1/2in-13 x 1 1/4in	
29	10136907	2	Pin, Hoist Cylinder - Rod End	
30	10701446	AR	Shim, Rear Carriage Tilt Cylinder	
31	10713449	2	Bushing, Rear Carriage Tilt Cylinder - Rod End	
32	10716611	4	Grease Fitting	
33	10732689	4	Cover, Grease Fitting	
34	10701209	2	Nut, Hx, 1in-8 GR8	
35	10701259	4	Flatwasher, 1in SAE - Hardened	
36	10139068	1	Mounting Plate, Proximity	
37	10700202	2	Capscrew, Hx, 3/8in-16 x 3/4in	
38	10721586	AR	Shim, Hoist Cylinder	
39	10718830	2	Bushing, Hoist Cylinder - Rod End	
40	10700940	4	Capscrew, Hx, 1in-8 x 6 1/2in GR 8	
41	10139688	AR	Shim, 1/16in	
42	10139687	AR	Shim, 1/8in	
43	10238512	1	Base Mount, Extension Cylinder	
44	10138745	1	Chain, Lower (167.25in Long)	
45	10238723	1	Adjustment Block, Chain	
46	10727310	1	Shoulder Bolt, 1/2in Dia x 2in	
47	10701427	2	Flatwasher, #8	
48	10701354	2	Starwasher, #8 External	
49	10702034	2	Screw, Slotted Rd Hd, #8-32 x 1/2in	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	10238252	1	Inclinometer, Boom Angle	
51	10701315	6	Lockwasher, 3/4in	
52	10700730	2	Capscrew, Hx, 3/4in-10 x 2 3/4in	
53	10700489	4	Capscrew, Hx, 1/2in-20 x 3 1/2in GR 8	
54	10138721	1	Retainer Block - L.H., Pad	
55	10138773	2	Pad Retainer, Aluminum (Replaces 39809A)	
56	10700700	2	Capscrew, Hx, 3/4in-10 x 1 1/2in	
57	10703194	1	Capscrew, Button Hd Socket, 1/4in-20 x 1/2in	
58	10701308	1	Lockwasher, 1/4in	
59	10138374	1	Adjustment Rod, Chain	
60	10139023	4	Slide Pad, Boom (9/16in x 2in wide)	
61	10136329	AR	Shim, 16 GA (.060in x 2in wide)	
62	10136328	AR	Shim, 10 GA (.135in x 2in wide)	
63	10138615	1	Retainer Block - R.H., Pad	
64	10138770	AR	Shim, 16 GA (.060in x 3in wide)	
65	10703236	-	Capscrew, Button Hd Socket, 1/2in-20 x 3/4in (Note: Capscrew length will vary with shimming requirements)	
65	10703237	-	Capscrew, Button Hd Socket, 1/2in-20 x 1in (Note: Capscrew length will vary with shimming requirements)	
66	10139530	2	Slide Pad, Boom (1in x 3in wide)	
67	10165727	2	Chain Upper (196.50in Long)	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-22. REAR MIDDLE BOOM ASSEMBLY (4-SECTION) (1044C-54,10K-54) (1044C-54 SN 101 through 287; 10K-54 SN 101 through 114)



SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-22. REAR MIDDLE BOOM ASSEMBLY (4-SECTION) (1044C-54,10K-54) (1044C-54 SN 101 through 287; 10K-54 SN 101 through 114)

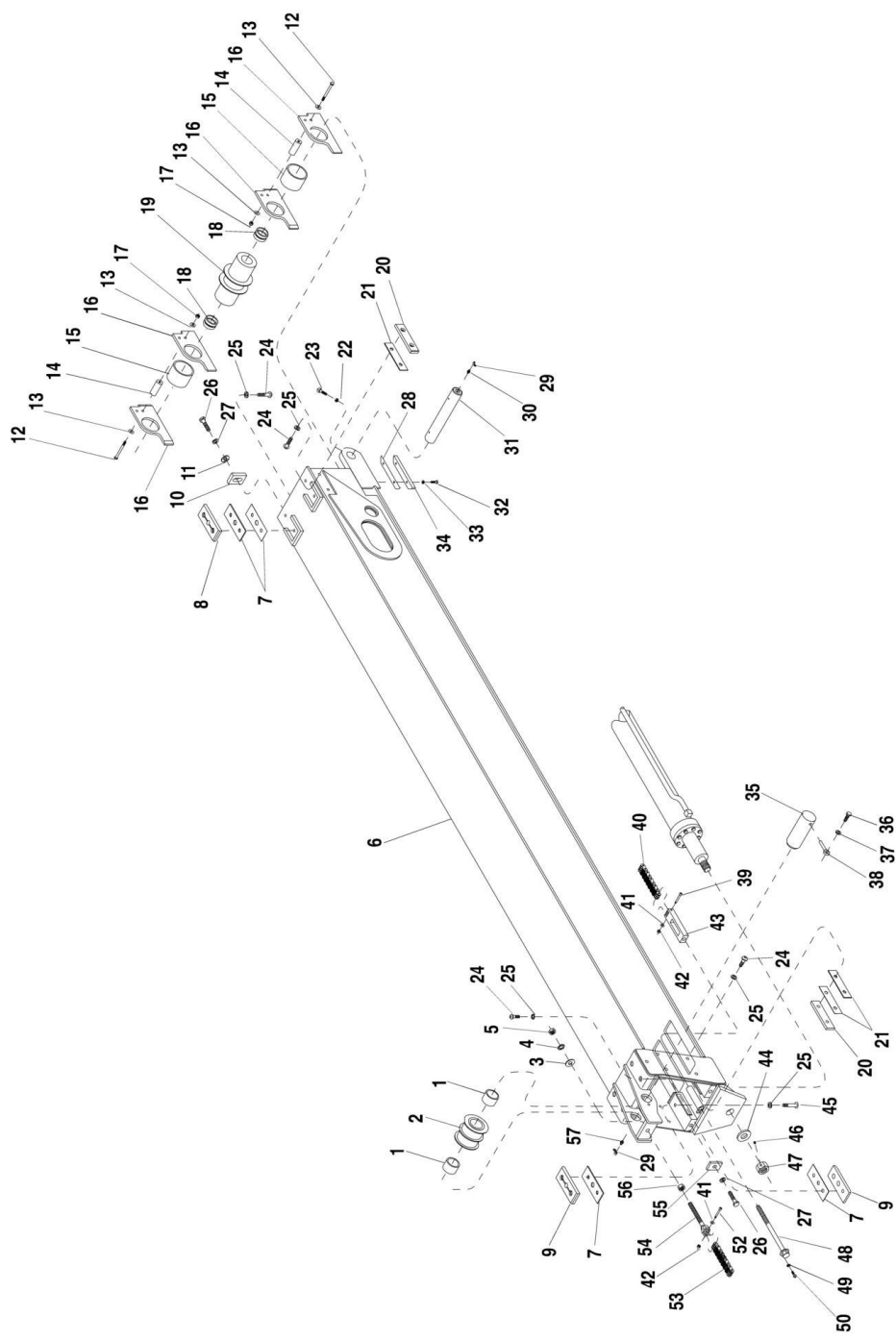
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	36226A	1	Chain, Leaf (165.75in Long)	
2	P05000	2	Locknut, Hx, 1/4in-20	
3	P01275	4	Flatwasher, 1/4in	
4	38723B	1	Adjustment Block, Chain	
5	P27310	2	Shoulder Bolt, 5/16in Dia x 2in	
6	32432B	1	Lock Pin 5/8in	
7	P01312	23	Lockwasher, 1/2in	
8	P00601	1	Capscrew, Hx, 5/8in-13 x 1 1/4in	
9	65263A	1	Pin, Chain Roller	
10	P03236	4	Capscrew, Button Hd Socket, 1/2in-20 x 3/4in (Note: Capscrew length will vary with shimming requirements)	
10	P03237	16	Capscrew, Button Hd Socket, 1/2in-20 x 1in (Note: Capscrew length will vary with shimming requirements)	
11	36328A	AR	Shim, 10 GA (.135in x 2in wide)	
12	36329A	AR	Shim, 16 GA (.060in x 2in wide)	
13	39023A	8	Slide Pad, Boom (9/16in x 2in wide)	
14	13599A	1	Boss, Extension Cylinder Rod	
15	P00485	2	Capscrew, Hx, 1/2in-20 x 2 1/2in GR 8	
16	P02612	1	Setscrew, Socket - Cup Pt, 3/8in-16 x 3/8in	
17	16369A	1	Nut, Extension Cylinder Rod	
18	P01315	4	Lockwasher, 3/4in	
19	38374A	1	Adjustment Rod, Chain	
20	P01308	1	Lockwasher, 1/4in	
21	P03194	1	Capscrew, Button Hd Socket, 1/4in-20 x 1/2in	
22	P00700	4	Capscrew, Hx, 3/4in-10 x 1 1/2in	
23	65712A	1	Chain, Leaf (195in Long) (Note: Used 38746A for 1044C-54 S/N 101 through 192; 10K-54 S/N 101 through 105)	
24	37752X	1	Anchor, Chain Adjustment (Note: Used 38935A for 1044C-54 S/N 101 through 192; 10K-54 S/N 101 through 105)	
25	38773A	2	Pad Retainer	
26	P32689	2	Cover, Grease Fitting	
27	P15272	1	Grease Fitting - 1/8in N.P.T.	
28	38769A	AR	Shim, 10 GA (.135in x 3in wide)	
28	38770A	AR	Shim, 16 GA (.060in x 3in wide)	
29	39530A	4	Slide Pad, Boom (1in x 3in wide)	
30	36125B	1	Roller, Chain	
31	24257A	2	Bushing, Chain Roller	
32	38193A	2	Bushing, Hardened	
33	38194A	2	Washer, Chain Guide	
34	P01440	3	Flatwasher, 3/4in SAE	
35	P01513	1	Nut, Hx, 3/4in-10	
36	P01364	1	Starwasher, 3/4in	
37	P01563	1	Jam Nut, 3/4in-10	
38	38565D	1	Boom, Middle (Rear)	
39	39809A	2	Pad Retainer, Aluminum	
40	39832B	2	Hose Guide, L.H.	
41	38191A	1	Bushing, Hardened	
42	36186B	1	Roller, Chain and Hose	
43	39835A	2	Washer, Chain Roller	
44	P05002	2	Locknut, Hx, 3/8in-16	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	39838A	2	Bushing, Plastic	
46	39836A	2	Spacer, Hose	
47	39849A	2	Spacer, Hose Guide	
48	39837A	2	Washer, Special	
49	P00218	2	Capscrew, Hx, 3/8in-16 x 5in	
50	P02757	1	Setscrew, Square Hd, Cup Pt, 1/2in-13 x 1 3/4in	
51	P01560	1	Jam Nut, Hx, 1/2in-13	
52	65243A	AR	Shim, Slide	
53	39863A	2	Slide Pad, Bottom (Note: Not Used 1044C-54 S/N 101 through 116; 10K-54 S/N 101 through 103)	
54	P01310	4	Lockwasher, 3/8in (Note: Not Used 1044C-54 S/N 101 through 116; 10K-54 S/N 101 through 103)	
55	P03225	4	Capscrew, Button Hd Socket, 3/8in-16 x 3/4in (Note: Not Used 1044C-54 S/N 101 through 116; 10K-54 S/N 101 through 103)	
56	36174A	1	Shaft, Chain and Hose Roller	
57	P16611	1	Grease Fitting	
58	65723A	2	Bushing, Chain and Hose Roller	
59	P01314	1	Lockwasher 5/8in	
60	36128A	1	Pin, Chain Roller	
61	34178A	1	Lock Pin, 1/2in	
62	P00403	1	Capscrew, Hx, 1/2in-13 x 1 1/4in	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-23. REAR MIDDLE BOOM ASSEMBLY (4-SECTION) (1044C-54,10K-54) (1044C-54 SN 288 to Present; 10K-54 SN 115 to Present)



SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-23. REAR MIDDLE BOOM ASSEMBLY (4-SECTION) (1044C-54,10K-54) (1044C-54 SN 288 to Present; 10K-54 SN 115 to Present)

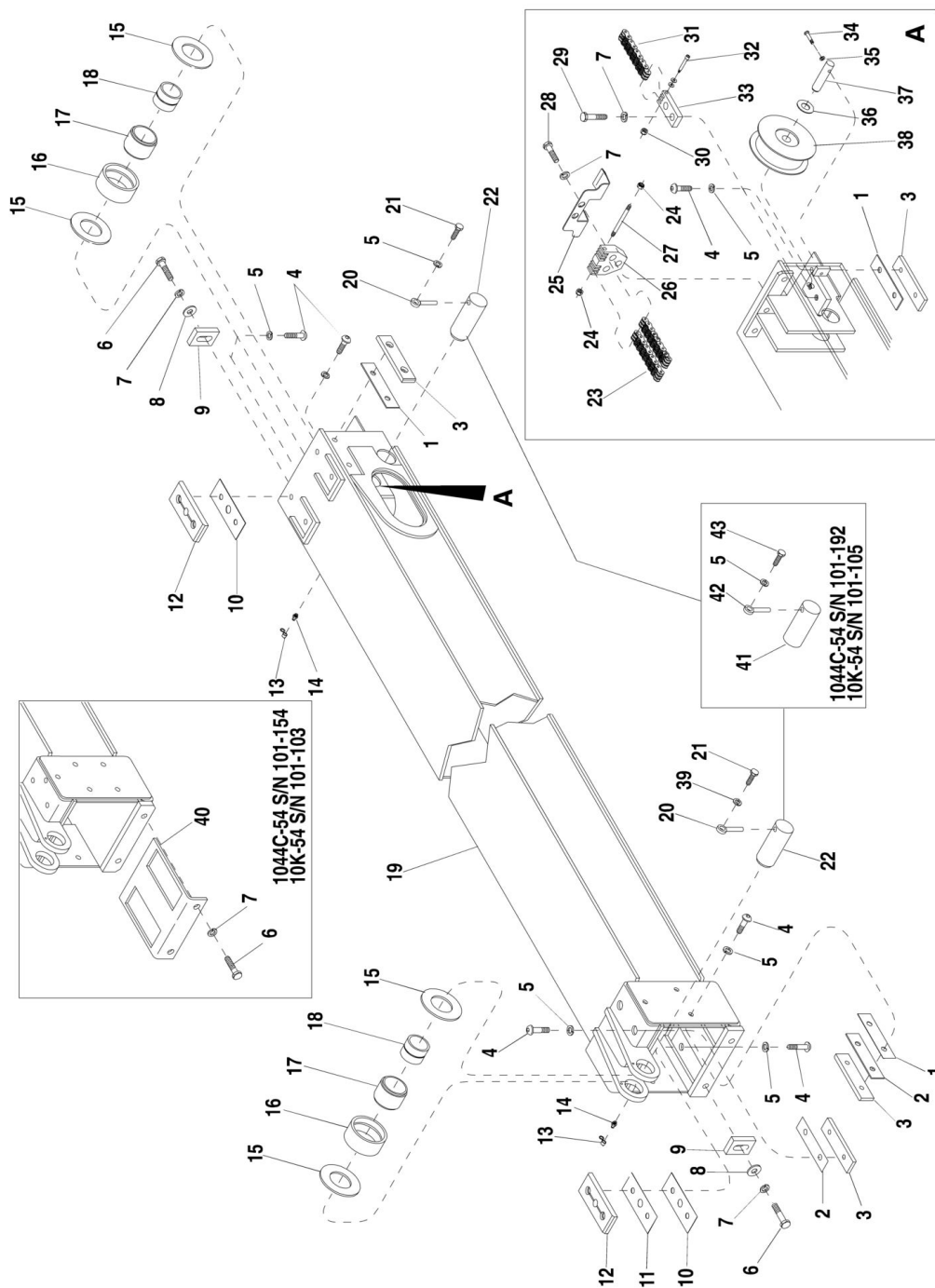
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	10165692	2	Bushing, Chain Roller, Garlock	
2	10265755	1	Roller, Chain	
3	10701440	1	Flatwasher, 3/4in SAE	
4	10701364	1	Starwasher, 3/4in	
5	10701232	1	Nut, Hx, 3/4in-16	
6	10438565	1	Boom, Middle (Rear)	
7	10138769	AR	Shim, 10 GA (.135in x 3in wide)	
7	10138770	AR	Shim, 16 GA (.060in x 3in wide)	
8	10139594	2	Slide Pad, Boom (3/4in x 3in wide)	
9	10139530	2	Slide Pad, Boom (1in x 3in wide)	
10	10139809	2	Pad Retainer, Aluminum	
11	10701257	3	Flatwasher, 3/4in SAE	
12	10700218	2	Capscrew, Hx, 3/8in-16 x 5in	
13	10701404	4	Flatwasher, 3/8in	
14	10139849	2	Roller	
15	10139838	2	Bushing, Plastic	
16	10239832	4	Hose Guide	
17	10705002	2	Locknut, Hx, 3/8in-16	
18	10165723	2	Bushing, Chain and Hose Roller, Garlock	
19	1101674	1	Roller, Chain and Hose (Includes Item 18)	
20	10139023	8	Slide Pad, Boom (9/16in x 2in wide)	
21	10136328	AR	Shim, 10 GA (.135in x 2in wide)	
21	10136329	AR	Shim, 16 GA (.060in x 2in wide)	
22	10701560	1	Jam Nut, Hx, 1/2in-13	
23	10702757	1	Setscrew, Square Hd, Cup Pt, 1/2in-13 x 1 3/4in	
24	10703236	4	Capscrew, Button Hd Socket, 1/2in-20 x 3/4in (Note: Capscrew length will vary with shimming requirements)	
24	10703237	16	Capscrew, Button Hd Socket, 1/2in-20 x 1in (Note: Capscrew length will vary with shimming requirements)	
25	10701361	23	Starwasher, 1/2in	
26	10700701	2	Capscrew, Hx, 3/4in-10 x 1 3/4in	
27	10701315	4	Lockwasher, 3/4in	
28	10165243	AR	Shim, Slide	
29	10732689	5	Cover, Grease Fitting	
30	10716611	2	Grease Fitting - 1/8in N.P.T.	
31	10136174	1	Shaft, Chain and Hose Roller	
32	10703227	4	Capscrew, Button Hd Socket, 3/8in-16 x 1in	
33	10701359	4	Starwasher, 3/8in	
34	10139863	2	Slide Pad, Bottom	
35	10165263	1	Pin, Chain Roller	
36	10700601	1	Capscrew, Hx, 5/8in-13 x 1 1/4in	
37	10701363	1	Starwasher 5/8in	
38	10232432	1	Lock Pin 5/8in	
39	10727310	1	Shoulder Bolt, 5/16in Dia x 2in	
40	10136226	1	Chain, Leaf (165.75in Long)	
41	10701275	4	Flatwasher 1/4in	
42	10705000	2	Locknut, Hx, 1/4in-20	
43	10238723	1	Adjustment Block, Chain	
44	10113599	1	Boss, Extension Cylinder Rod	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	10700489	2	Capscrew, Hx, 1/2in-20 x 3in GR 8	
46	10702612	1	Setscrew, Socket - Cup Pt, 3/8in-16 x 3/8in	
47	10116369	1	Nut, Extension Cylinder Rod	
48	10138374	1	Adjustment Rod, Chain	
49	10701308	1	Lockwasher, 1/4in	
50	10703194	1	Capscrew, Button Hd Socket, 1/4in-20 x 1/2in	
51	10700700	2	Capscrew, Hx, 3/4in-10 x 1 1/2in	
52	10867160	1	Shoulder Bolt, 5/16in Dia x 1 3/4in	
53	10165712	1	Chain, Leaf (195in Long)	
54	10266345	1	Anchor, Chain Adjustment (Replaces 38935A)	
55	10138773	2	Pad Retainer	
56	10701586	1	Jam Nut, 3/4in-16	
57	10715272	1	Grease Fitting - 1/8in N.P.T.	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-24. FORWARD MIDDLE BOOM ASSEMBLY (4-SECTION) (1044C-54,10K-54) (1044C-54 SN 101 through 287; 10K-54 SN 101 through 114)



SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-24. FORWARD MIDDLE BOOM ASSEMBLY (4-SECTION) (1044C-54,10K-54) (1044C-54 SN 101 through 287; 10K-54 SN 101 through 114)

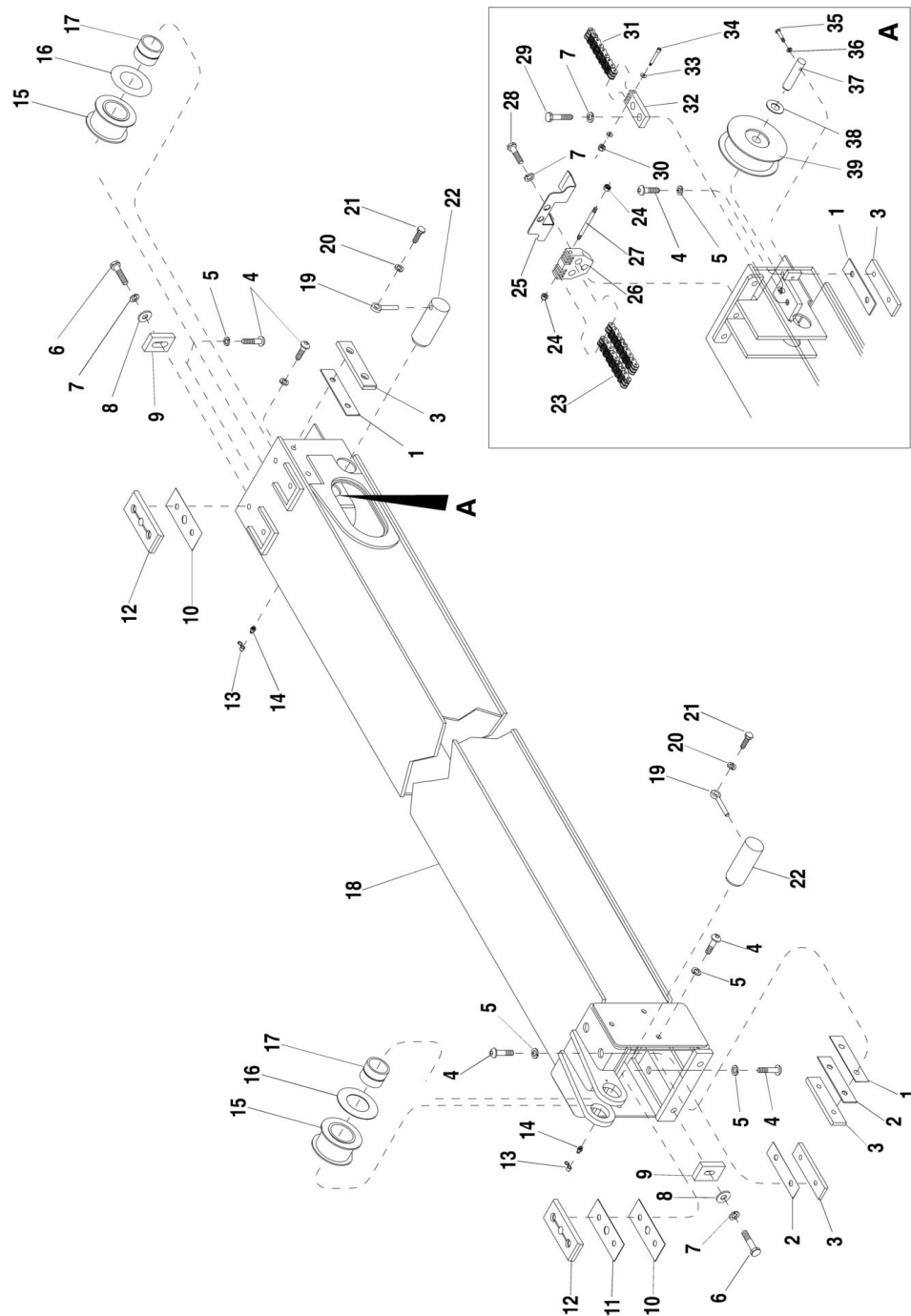
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	36328A	AR	Shim, 10 GA (.135in x 2in wide)	
2	36329A	AR	Shim, 16 GA (.060in x 2in wide)	
3	39023A	8	Slide Pad, Boom (9/16in x 2in wide)	
4	P03236	6	Capscrew, Button Hd Socket, 1/2in-20 x 3/4in (Note: Capscrew length will vary with shimmming requirements)	
4	P03237	4	Capscrew, Button Hd Socket, 1/2in-20 x 1in (Note: Capscrew length will vary with shimmming requirements)	
4	P03242	10	Capscrew, Button Hd Socket, 1/2in-20 x 1 1/4in (Note: Capscrew length will vary with shimmming requirements)	
5	P01312	22	Lockwasher, 1/2in	
6	P00700	4	Capscrew, Hx, 3/4in-10 x 1 1/2in	
7	P01315	9	Lockwasher, 3/4in	
8	P01440	4	Flatwasher, 3/4in SAE	
9	39809A	4	Pad Retainer, Aluminum	
10	38769A	AR	Shim, 10 GA (.135in x 3in wide)	
11	38770A	AR	Shim, 16 GA (.060in x 3in wide)	
12	39530A	4	Slide Pad, Boom (1in x 3in wide)	
13	P32689	2	Cover, Grease Fitting	
14	P15272	2	Grease Fitting - 1/8in N.P.T.	
15	38194A	4	Washer, Chain Guide	
16	38193A	2	Bushing, Hardened	
17	38774B	2	Roller, Chain	
18	32672A	2	Bushing, Chain Roller	
19	38564D	1	Boom, Middle (Forward)	
20	32432B	2	Lock Pin 5/8in	
21	P00601	2	Capscrew, Hx, 5/8in-13 x 1 1/4in	
22	65735A	2	Pin, Chain Roller	
23	65727A	2	Chain, Upper (195.50in Long) (Note: Used 38746A for 1044C-54 S/N 101 through 192; 10K-54 S/N 101 through 105)	
24	P05001	2	Locknut, Hx, 5/16in-18	
25	39370C	1	Hose Guard	
26	38661B	1	Chain Anchor, Upper	
27	39379A	1	Rod, Chain Anchor	
28	P00728	3	Capscrew, Hx, 3/4in-10 x 2 1/4in GR 8	
29	P00726	2	Capscrew, Hx, 3/4in-10 x 1 3/4in GR 8	
30	P05000	1	Locknut, Hx, 1/4in-20	
31	38745A	1	Chain, Lower (167.25in Long)	
32	P27310	1	Shoulder Bolt, 5/16in Dia x 2in	
33	38724B	1	Chain Anchor, Lower	
34	P00133	2	Capscrew, Hx, 5/16in-18 x 1 1/2in GR 8	
35	P01309	2	Lockwasher, 5/16in	
36	P01259	2	Flatwasher, 1in SAE	
37	39287A	2	Pin, Hose Reel	
38	39306C	2	Hose Reel	
39	P01314	2	Lockwasher 5/8in	
40	38680B	1	Pad Retainer (Note: Used 1044C-54 S/N 101 through 154; 10K-54 S/N 101 through 103)	
41	38775A	2	Pin, Chain Roller (Note: Used on 1044C-54 S/N 101 through 192; 10K-54 S/N 101 through 105)	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
42	34178A	2	Lock Pin, 1/2in (Note: Used on 1044C-54 S/N 101 through 192; 10K-54 S/N 101 through 105)	
43	P00403	2	Capscrew, Hx, 1/2in-13 x 1 1/4in (Note: Used on 1044C-54 S/N 101 through 192; 10K-54 S/N 101 through 105)	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-25. FORWARD MIDDLE BOOM ASSEMBLY (4-SECTION) (1044C-54,10K-54) (1044C-54 SN 288 through 371; 10K-54 SN 115 through 116)



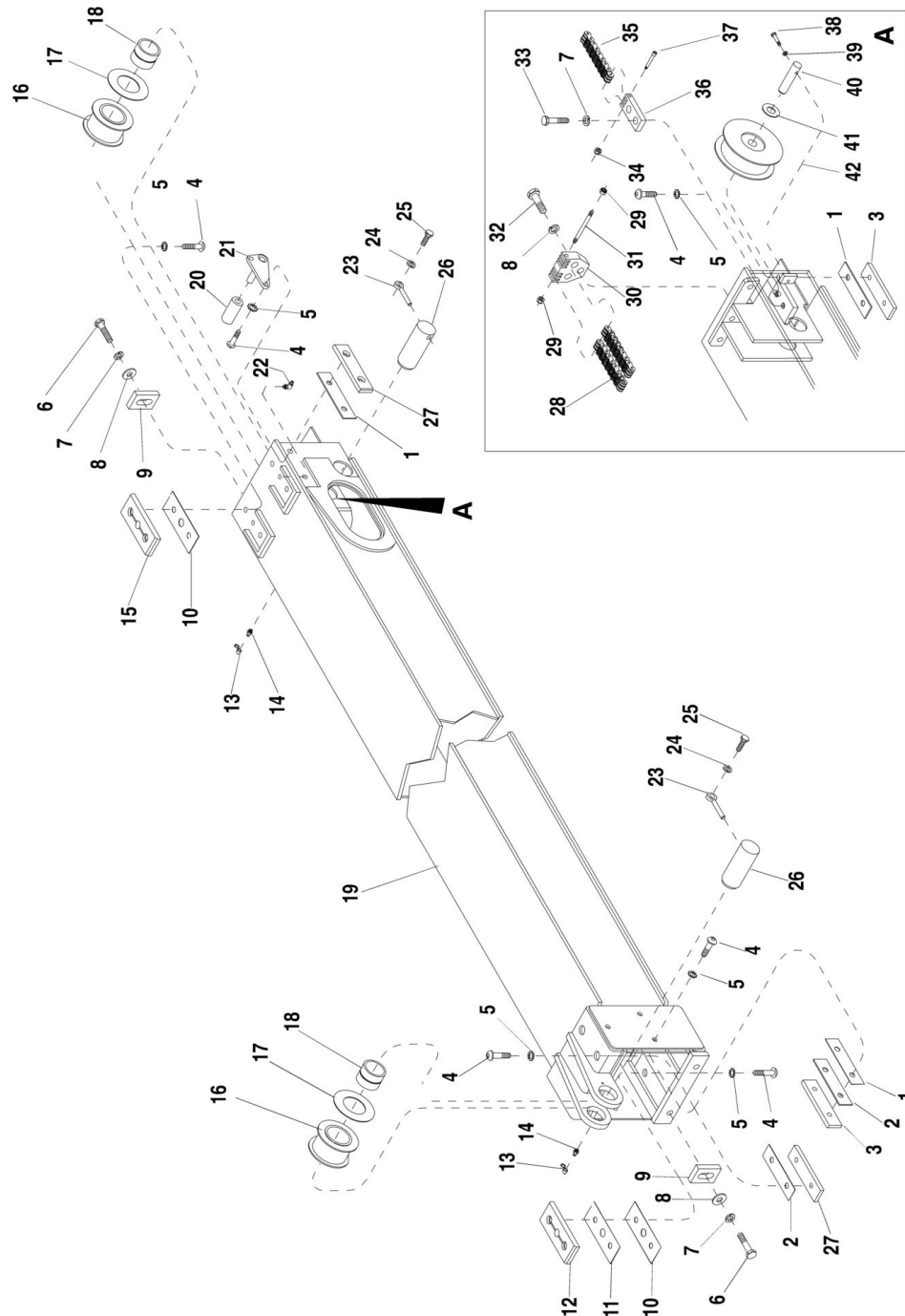
SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-25. FORWARD MIDDLE BOOM ASSEMBLY (4-SECTION) (1044C-54,10K-54) (1044C-54 SN 288 through 371; 10K-54 SN 115 through 116)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	36328A	AR	Shim, 10 GA (.135in x 2in wide)	
2	36329A	AR	Shim, 16 GA (.060in x 2in wide)	
3	39023A	8	Slide Pad, Boom (9/16in x 2in wide)	
4	P03236	6	Capscrew, Button Hd Socket, 1/2in-20 x 3/4in (Note: Capscrew length will vary with shimmming requirements)	
4	P03237	4	Capscrew, Button Hd Socket, 1/2in-20 x 1in (Note: Capscrew length will vary with shimmming requirements)	
4	P03242	10	Capscrew, Button Hd Socket, 1/2in-20 x 1 1/4in (Note: Capscrew length will vary with shimmming requirements)	
5	P01312	22	Lockwasher, 1/2in	
6	P00700	4	Capscrew, Hx, 3/4in-10 x 1 1/2in	
7	P01315	9	Lockwasher, 3/4in	
8	P01440	4	Flatwasher, 3/4in SAE	
9	39809A	4	Pad Retainer, Aluminum	
10	38769A	AR	Shim, 10 GA (.135in x 3in wide)	
11	38770A	AR	Shim, 16 GA (.060in x 3in wide)	
12	39530A	4	Slide Pad, Boom (1in x 3in wide)	
13	P32689	2	Cover, Grease Fitting	
14	P15272	2	Grease Fitting - 1/8in N.P.T.	
15	65833B	2	Roller, Chain	
16	10720431	AR	Shim, Chain Roller	
17	65715A	2	Bushing, Chain Roller (Replaces 32672A)	
18	38564D	1	Boom, Middle (Forward)	
19	32432B	2	Lock Pin 5/8in	
20	P01314	2	Lockwasher 5/8in	
21	P00601	2	Capscrew, Hx, 5/8in-13 x 1 1/4in	
22	65735A	2	Pin, Chain Roller	
23	65727A	2	Chain, Upper (196.50in Long)	
24	P05001	2	Locknut, Hx, 5/16in-18	
25	39370C	1	Hose Guard	
26	38661B	1	Chain Anchor, Upper	
27	39379A	1	Rod, Chain Anchor	
28	P00728	3	Capscrew, Hx, 3/4in-10 x 2 1/4in GR 8	
29	P00726	2	Capscrew, Hx, 3/4in-10 x 1 3/4in GR 8	
30	P05000	1	Locknut, Hx, 1/4in-20	
31	38745A	1	Chain, Lower (167.25in Long)	
32	38724B	1	Chain Anchor, Lower	
33	P01276	2	Flatwasher, 5/16in	
34	P27310	1	Shoulder Bolt, 5/16in Dia x 2in	
35	P00133	2	Capscrew, Hx, 5/16in-18 x 1 1/2in GR 8	
36	P01309	2	Lockwasher, 5/16in	
37	39287A	2	Pin, Hose Reel	
38	P01259	2	Flatwasher, 1in	
39	39306C	2	Hose Reel	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-26. FORWARD MIDDLE BOOM ASSEMBLY (4-SECTION) (1044C-54,10K-54) (1044C-54 SN 372 to Present; 10K-54 SN 118 to Present)



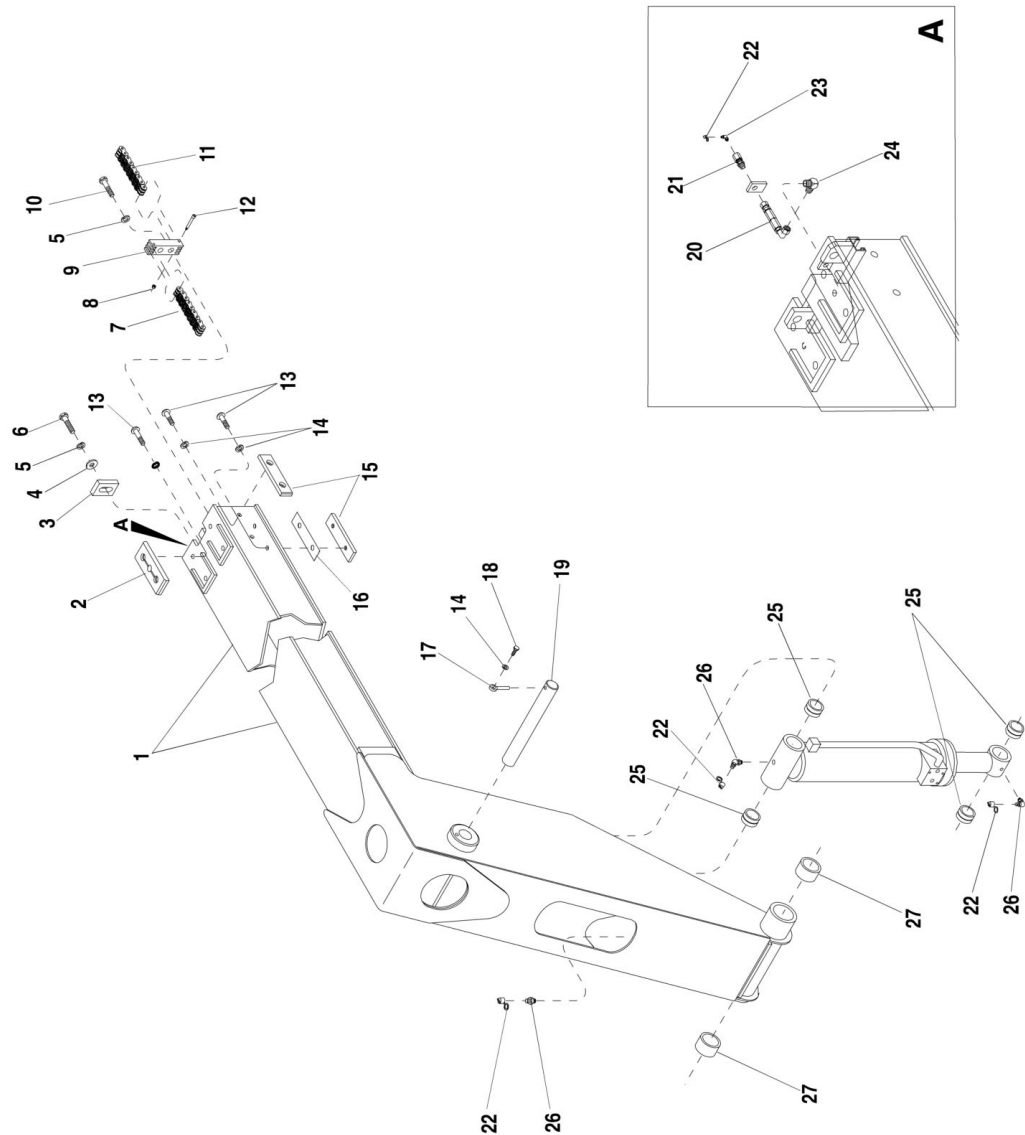
SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-26. FORWARD MIDDLE BOOM ASSEMBLY (4-SECTION) (1044C-54,10K-54) (1044C-54 SN 372 to Present; 10K-54 SN 118 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	10136328	AR	Shim, 10 GA (.135in x 2in wide)	
2	10136329	AR	Shim, 16 GA (.060in x 2in wide)	
3	10139604	2	Slide Pad, Boom (7/16in x 2in wide)	
4	10703236	6	Capscrew, Button Hd Socket, 1/2in-20 x 3/4in (Note: Capscrew length will vary with shimmming requirements)	
4	10703237	4	Capscrew, Button Hd Socket, 1/2in-20 x 1in (Note: Capscrew length will vary with shimmming requirements)	
4	10703242	10	Capscrew, Button Hd Socket, 1/2in-20 x 1 1/4in (Note: Capscrew length will vary with shimmming requirements)	
5	10701361	22	Starwasher, 1/2in	
6	10700701	4	Capscrew, Hx, 3/4in-10 x 1 3/4in	
7	10701315	9	Lockwasher, 3/4in	
8	10701257	4	Flatwasher, 3/4in SAE	
9	10139809	4	Pad Retainer, Aluminum	
10	10138769	AR	Shim, 10 GA (.135in x 3in wide)	
11	10138770	AR	Shim, 16 GA (.060in x 3in wide)	
12	10139530	2	Slide Pad, Boom (1in x 3in wide)	
13	10732689	4	Cover, Grease Fitting	
14	10715272	2	Grease Fitting - 1/8in N.P.T.	
15	10139594	2	Slide Pad, Boom (3/4in x 3in wide)	
16	10265833	2	Roller, Chain	
17	10720431	AR	Shim, Chain Roller	
18	10165715	2	Bushing, Chain Roller (Replaces 32672A)	
19	10438564	1	Boom, Middle (Forward)	
20	10167073	2	Roller, Hose Follower	
21	10267068	1	Weldment, Hose Roller, Left Hand	
21	10267069	1	Weldment, Hose Roller, Right Hand (Note: Not Illustrated)	
22	10715367	2	Grease Fitting 1/4in x 45	
23	10232432	2	Lock Pin 5/8in	
24	10701363	2	Lockwasher 5/8in	
25	10700601	2	Capscrew, Hx, 5/8in-13 x 1 1/4in	
26	10165735	2	Pin, Chain Roller	
27	10139023	4	Slide Pad, Boom (9/16in x 2in wide)	
28	10165727	2	Chain, Upper (196.50in Long)	
29	10705001	2	Locknut, Hx, 5/16in-18	
30	10238661	1	Chain Anchor, Upper	
31	10139379	1	Rod, Chain Anchor	
32	10700730	3	Capscrew, Hx, 3/4in-10 x 2 3/4in GR 8	
33	10700726	2	Capscrew, Hx, 3/4in-10 x 1 3/4in GR 8	
34	10705000	1	Locknut, Hx, 1/4in-20	
35	10138745	1	Chain, Lower (167.25in Long)	
36	10238724	1	Chain Anchor, Lower	
37	10727310	1	Shoulder Bolt, 5/16in Dia x 2in	
38	10700133	2	Capscrew, Hx, 5/16in-18 x 1 1/2in GR 8	
39	10701309	2	Lockwasher, 5/16in	
40	10139287	2	Pin, Hose Reel	
41	10701259	2	Flatwasher, 1in	
42	10339306	2	Hose Reel	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-27. INNER BOOM ASSEMBLY (4-SECTION) (1044C-54,10K-54) (1044C-54 SN 101 to Present; 10K-54 SN 101 to Present)



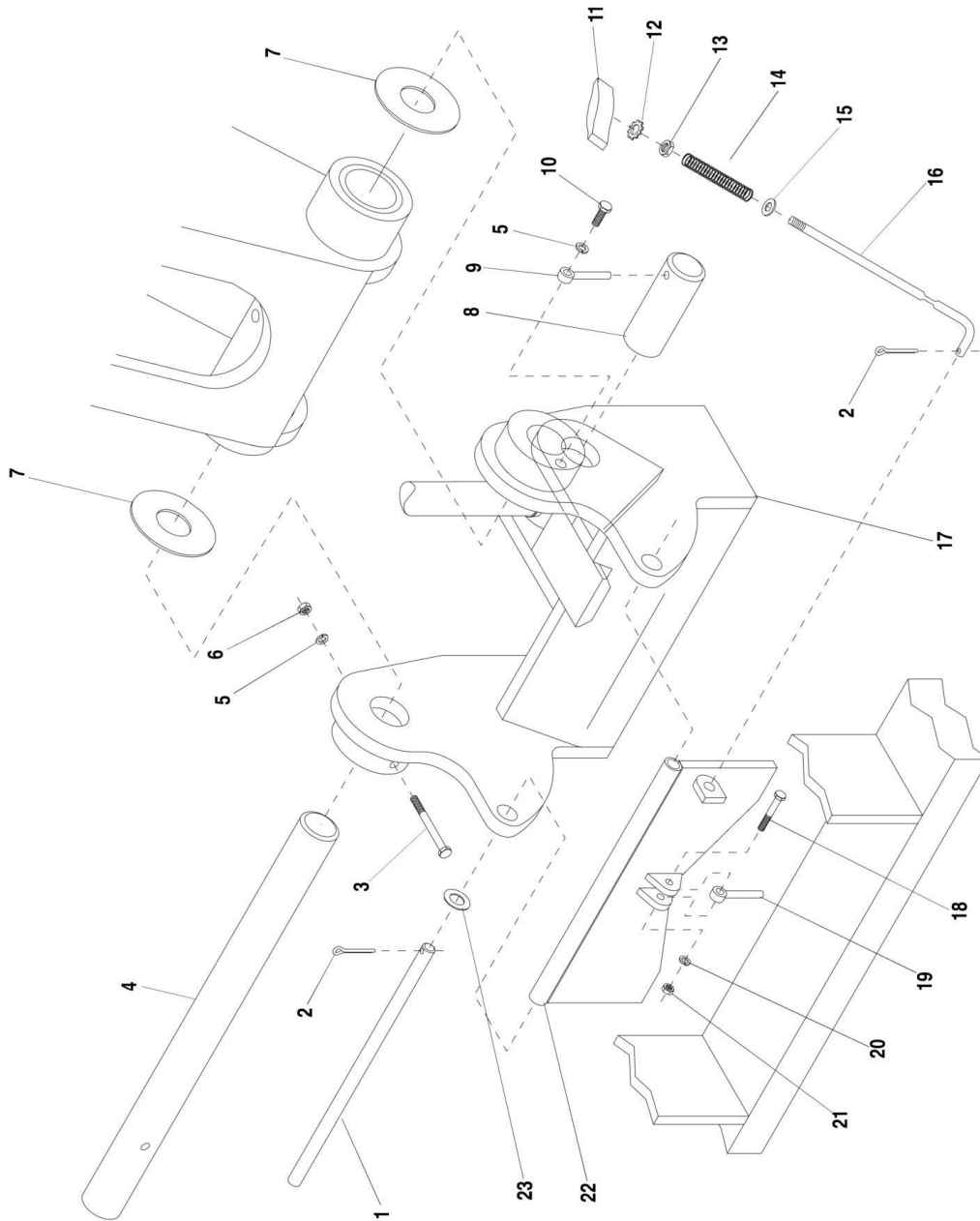
SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-27. INNER BOOM ASSEMBLY (4-SECTION) (1044C-54,10K-54) (1044C-54 SN 101 to Present; 10K-54 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	10438563	1	Inner Boom	
2	10139594	2	Slide Pad, Boom (3/4in x 3in wide)	
3	10139809	2	Pad Retainer, Aluminum	
4	10701440	2	Flatwasher, 3/4in SAE	
5	10701315	4	Lockwasher, 3/4in	
6	10700701	2	Capscrew, Hx, 3/4in-10 x 1 3/4in	
7	10165712	1	Chain, Leaf (195in Long) (Note: Used 38746A for 1044C-54 S/N 101 through 192; 10K-54 S/N 101 through 105)	
8	10705000	1	Locknut, Hx, 1/4in-20	
9	10238628	1	Chain Anchor, Rear	
10	10700728	2	Capscrew, Hx, 3/4in-10 x 2 1/4in GR 8	
11	10136226	1	Chain, Leaf (165.75in Long)	
12	10727310	2	Shoulder Bolt, 5/16in Dia x 2in	
13	10703236	8	Capscrew, Button Hd Socket, 1/2in-20 x 3/4in (Note: Capscrew length will vary with shimming requirements)	
13	10703237	4	Capscrew, Button Hd Socket, 1/2in-20 x 1in (Note: Capscrew length will vary with shimming requirements)	
14	10701312	13	Lockwasher, 1/2in	
15	10139023	4	Slide Pad, Boom (9/16in x 2in wide)	
16	10136329	2	Shim, Slide Pad	
17	10134178	1	Lock Pin	
18	10700403	1	Capscrew, Hx, 1/2in-13 x 1 1/4in	
19	10136541	1	Pin, Front Carriage Tilt Cylinder - Base End	
20	10165115	2	Hose, Grease	
21	10725713	2	Adapter, Bulkhead	
22	10732689	5	Cover, Grease Fitting	
23	10715277	2	Grease Fitting, 1/8in x 90	
24	10726600	2	90, Elbow, JIC - Pipe	
25	10116228	4	Bushing, Front Carriage Tilt Cylinder	
26	10716611	2	Grease Fitting	
26	10715367	1	Grease Fitting, 1/4in x 45	
27	10124257	2	Bushing, Boom - Quick Attach Pivot	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-28. QUICK ATTACH GROUP ASSEMBLY (WELDMENT TYPE) (1044C-42,1044C-54,10K-42,10K-54,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 101 through 866; 644B-42 SN 101 through 240; 844C-42 SN 101 through 782, Excluding 680; 1044C-42 SN 101 through 121; 1044C-54 SN 101 through 214; 6K-37 SN 101 through 391; 6K-42 SN 101 through 131; 8K-42 SN 101 through 261; 10K-42 SN 101 through 107; 10K-54 SN 101 through 107, Including 109)



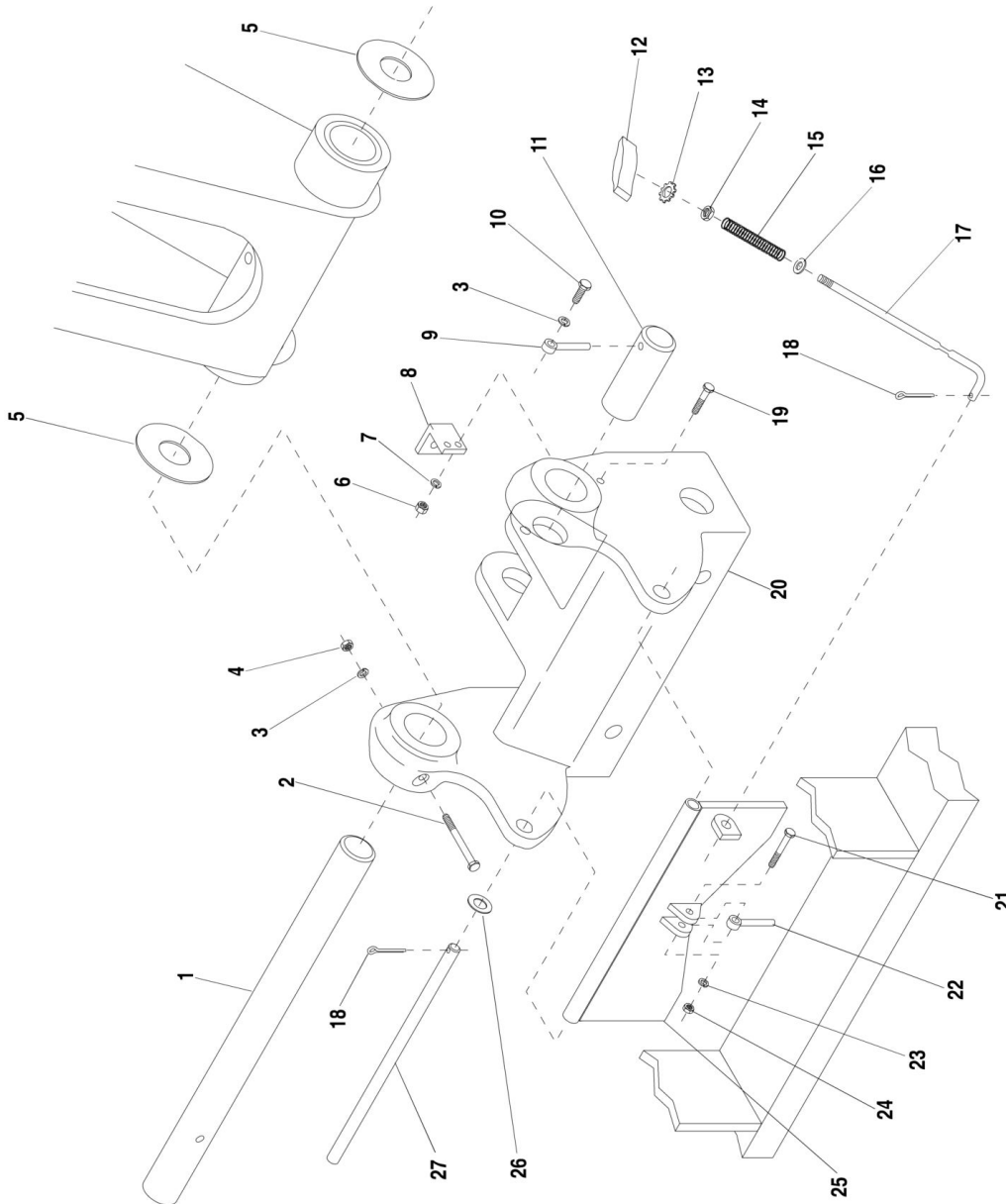
SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-28. QUICK ATTACH GROUP ASSEMBLY (WELDMENT TYPE) (1044C-42,1044C-54,10K-42,10K-54,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 101 through 866; 644B-42 SN 101 through 240; 844C-42 SN 101 through 782, Excluding 680; 1044C-42 SN 101 through 121; 1044C-54 SN 101 through 214; 6K-37 SN 101 through 391; 6K-42 SN 101 through 131; 8K-42 SN 101 through 261; 10K-42 SN 101 through 107; 10K-54 SN 101 through 107, Including 109)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	65668A	1	Pin, Lock Pivot Plate	
2	P03865	3	Cotter Pin, 3/16in x 1 1/2in	
3	P00420	1	Capscrew, Hx, 1/2in-13 x 7in	
4	36863A	1	Pin, Quick Attach Pivot	
5	P01312	2	Lockwasher, 1/2in	
6	P01510	1	Nut, Hx, 1/2in-13	
7	36013A	AR	Shim -.036in (.91mm)	
7	17012A	AR	Shim -.075in (1.90mm)	
8	65667A	1	Pin, Front Carriage Tilt - Rod End	
9	34178A	1	Lock Pin	
10	P00403	1	Capscrew, Hx, 1/2in-13 x 1 1/4in	
11	37103X	1	Handle, Release	
12	P01361	1	Starwasher, 1/2in	
13	P01560	1	Jam Nut, Hx, 1/2in-13	
14	37140X	1	Spring, Release	
15	P01254	1	Flatwasher, 1/2in SAE - Hardened	
16	N.L.A.	1	Rod, Quick Attach Release (Note: Order Rod Replacement Kit 67060A (Includes items 14 & 16). (See QUICK ATTACH GROUP ASSEMBLY for Breakdown))	
17	N.L.A.	1	Quick Attach (Weldment Style) (Note: For Replacement Order Quick Attach Conversion Kit 67487A. Kit Includes: Cast Style Quick Attach, Release Rod and Spring, Rod Bracket and Bracket Mounting Hardware. (See QUICK ATTACH GROUP ASSEMBLY for Breakdown))	
18	P00209	1	Capscrew, Hx, 3/8in-16 x 2 1/4in	
19	32493A	1	Lock Pin	
20	P01310	1	Lockwasher, 3/8in	
21	P01508	1	Nut, Hx, 3/8in-16	
22	10236900	1	Lock Plate	
23	P01411	2	Flatwasher, 1in	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-29. QUICK ATTACH GROUP ASSEMBLY (CAST TYPE) (1044C-42,1044C-54,10K-42,10K-54,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 867 through 1186; 644B-42 SN 241 through 353; 844C-42 SN 783 through 1260, Including 680; 1044C-42 SN 122 through 126; 1044C-54 SN 215 through 293; 6K-37 SN 392 through 848; 6K-42 SN 132 through 178; 8K-42 SN 262 through 330; 10K-42 Including 108; 10K-54 SN 108 through 114, Excluding 109)



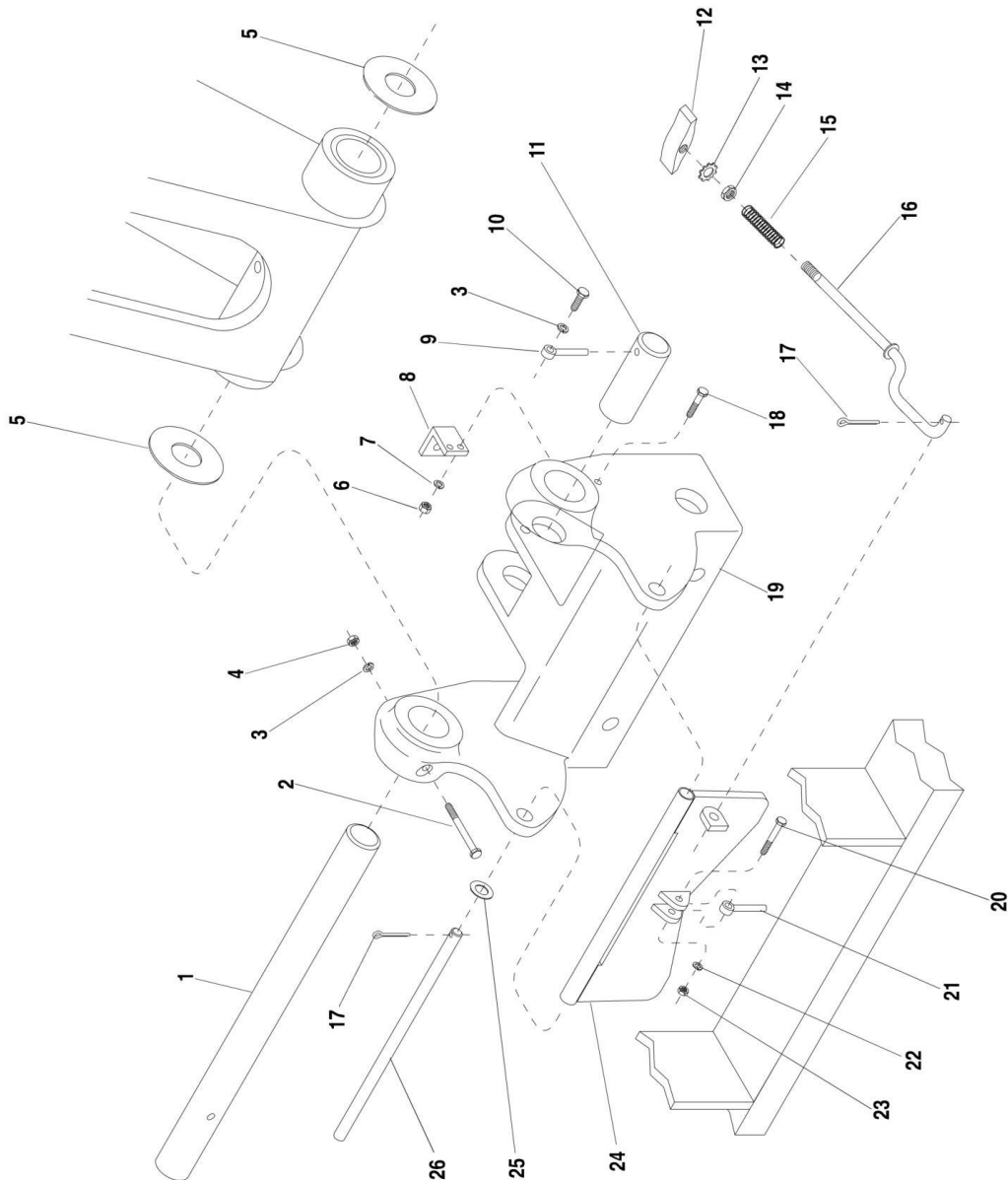
SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-29. QUICK ATTACH GROUP ASSEMBLY (CAST TYPE) (1044C-42,1044C-54,10K-42,10K-54,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 867 through 1186; 644B-42 SN 241 through 353; 844C-42 SN 783 through 1260, Including 680; 1044C-42 SN 122 through 126; 1044C-54 SN 215 through 293; 6K-37 SN 392 through 848; 6K-42 SN 132 through 178; 8K-42 SN 262 through 330; 10K-42 Including 108; 10K-54 SN 108 through 114, Excluding 109)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	36863A	1	Pin, Quick Attach Pivot	
2	P00420	1	Capscrew, Hx, 1/2in-13 x 7in	
3	P01312	2	Lockwasher, 1/2in	
4	P01510	1	Nut, Hx, 1/2in-13	
5	36013A	AR	Shim -.036in (.91mm)	
5	17012A	AR	Shim -.075in (1.90mm)	
6	P01200	2	Nut, Hx, 1/4in-20	
7	P01308	2	Lockwasher, 1/4in	
8	10167213	1	Bracket, Rod Support	
9	34178A	1	Lock Pin	
10	P00403	1	Capscrew, Hx, 1/2in-13 x 1 1/4in	
11	65667A	1	Pin, Front Carriage Tilt - Rod End	
12	37103X	1	Handle, Release	
13	P01361	1	Starwasher, 1/2in	
14	P01560	1	Jam Nut, Hx, 1/2in-13	
15	37140X	1	Spring, Release	
16	P01254	1	Flatwasher, 1/2in SAE - Hardened	
17	N.L.A.	1	Rod, Quick Attach Release (Note: Order Rod Replacement Kit 67060A (Includes items 14 & 16). (See QUICK ATTACH GROUP ASSEMBLY for Breakdown))	
18	P03865	3	Cotter Pin, 3/16in x 1 1/2in	
19	P00008	2	Capscrew, Hx, 1/4in-20 x 1 3/4in	
20	38176D	1	Quick Attach Casting	
21	P00209	1	Capscrew, Hx, 3/8in-16 x 2 1/4in	
22	32493A	1	Lock Pin	
23	P01310	1	Lockwasher, 3/8in	
24	P01508	1	Nut, Hx, 3/8in-16	
25	65671B	1	Lock Plate	
26	P01411	2	Flatwasher, 1in	
27	65668A	1	Pin, Lock Pivot Plate	

SECTION 4 - BOOM AND TRANSFER CARRIAGE

FIGURE 4-30. QUICK ATTACH GROUP ASSEMBLY (CAST TYPE) (1044C-42,1044C-54,10K-42,10K-54,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 1187 to Present; 644B-42 SN 354 to Present; 844C-42 SN 1261 to Present; 1044C-54 SN 294 to Present; 6K-37 SN 849 to Present; 6K-42 SN 179 to Present; 10K-42 SN 109 to Present; 10K-54 SN 115 to Present, Including 109)



SECTION 4 - BOOM AND TRANSFER CARRIAGE

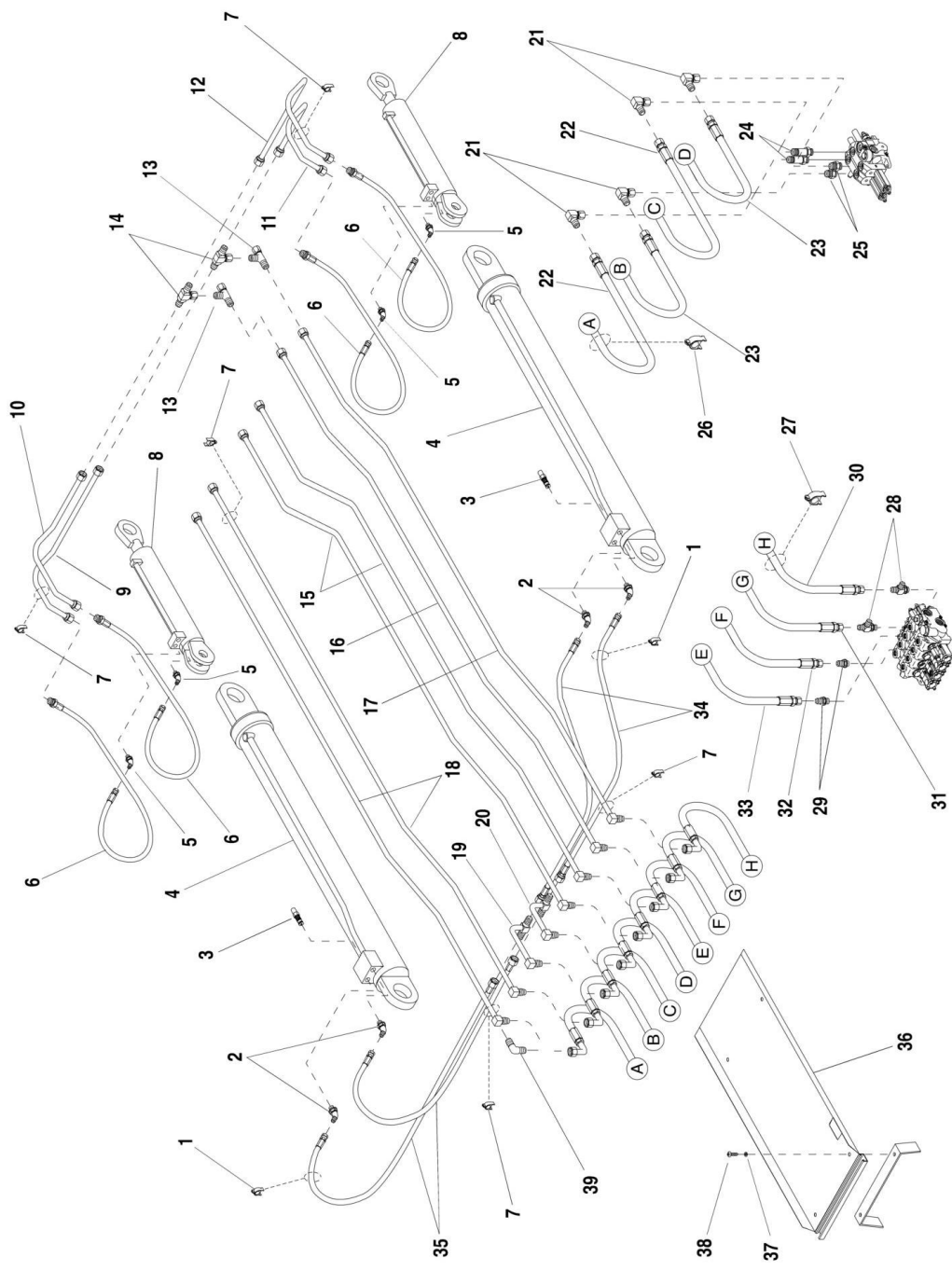
FIGURE 4-30. QUICK ATTACH GROUP ASSEMBLY (CAST TYPE) (1044C-42,1044C-54,10K-42,10K-54,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 1187 to Present; 644B-42 SN 354 to Present; 844C-42 SN 1261 to Present; 1044C-54 SN 294 to Present; 6K-37 SN 849 to Present; 6K-42 SN 179 to Present; 10K-42 SN 109 to Present; 10K-54 SN 115 to Present, Including 109)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	36863A	1	Pin, Quick Attach Pivot	
2	P00420	1	Capscrew, Hx, 1/2in-13 x 7in	
3	P01312	2	Lockwasher, 1/2in	
4	P01510	1	Nut, Hx, 1/2in-13	
5	36013A	AR	Shim -.036in (.91mm)	
5	17012A	AR	Shim -.075in (1.90mm)	
6	P01200	2	Nut, Hx, 1/4in-20	
7	P01308	2	Lockwasher, 1/4in	
8	10167213	1	Bracket, Rod Support	
9	34178A	1	Lock Pin	
10	P00403	1	Capscrew, Hx, 1/2in-13 x 1 1/4in	
11	65667A	1	Pin, Front Carriage Tilt - Rod End	
12	37103X	1	Handle, Release	
13	P01361	1	Starwasher, 1/2in	
14	P01560	1	Jam Nut, Hx, 1/2in-13	
15	66835X	1	Spring, Release	
16	67059A	1	Rod, Quick Attach Release	
17	P03865	3	Cotter Pin, 3/16in x 1 1/2in	
18	P00008	2	Capscrew, Hx, 1/4in-20 x 1 3/4in	
19	38176D	1	Quick Attach Casting	
20	P00209	1	Capscrew, Hx, 3/8in-16 x 2 1/4in	
21	32493A	1	Lock Pin	
22	P01310	1	Lockwasher, 3/8in	
23	P01508	1	Nut, Hx, 3/8in-16	
24	65671B	1	Lock Plate	
25	P01411	2	Flatwasher, 1in	
26	65668A	1	Pin, Lock Pivot Plate	

SECTION 5 - BOOM AND TRANSFER HYDRAULICS

SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-1. HOIST AND REAR CARRIAGE TILT HYDRAULIC CIRCUIT (644B-37,644B-42,844C-42)
(644B-37 SN 101 through 666, Excluding 591; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621)



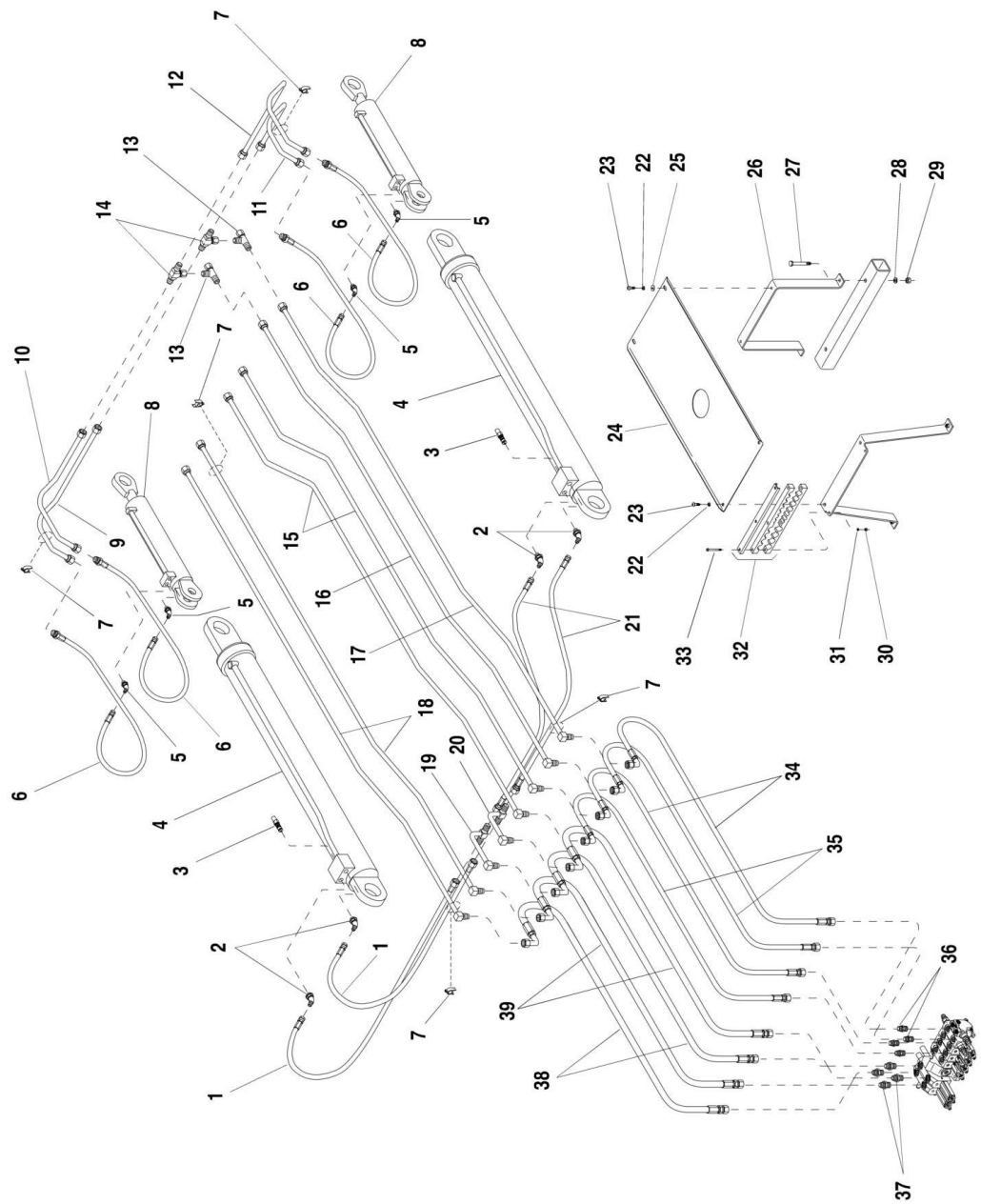
SECTION 5 - BOOM AND TRANSFER HYDRAULICS

**FIGURE 5-1. HOIST AND REAR CARRIAGE TILT HYDRAULIC CIRCUIT (644B-37,644B-42,844C-42)
(644B-37 SN 101 through 666, Excluding 591; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	90207463	4	Clamp, Cushion (Note: Used Early Production Only)	
2	P21230	4	45, Elbow, O-Ring	
3	P29947	2	Cartridge, Counterbalance Valve	
3	P40490	1	Seal Kit for Item 3	
4	34812B	2	Cylinder, Hoist (See HOIST CYLINDER ASSEMBLY for Breakdown)	
5	P21229	4	45, Elbow, O-Ring	
6	37151X	4	Hyd Hose, 1/2in	
7	90207463	18	Clamp, Cushion	
8	34828B	2	Cylinder, Rear Carriage Tilt (Replaces 34817B) (See REAR CARRIAGE TILT CYLINDER ASSEMBLY for Breakdown)	
9	36295B	1	Hyd Tube, 3/4in O.D.	
10	36294B	1	Hyd Tube, 3/4in O.D.	
11	36293B	1	Hyd Tube, 3/4in O.D.	
12	36292B	1	Hyd Tube, 3/4in O.D.	
13	P19804	2	Tee, Swivel	
14	P24651	2	Tee, Swivel Branch	
15	39736B	2	Hyd Tube, 3/4in O.D. (Replaces 36265B)	
16	39734B	1	Hyd Tube, 3/4in O.D. (Replaces 36290B)	
17	39735B	1	Hyd Tube, 3/4in O.D. (Replaces 36291B)	
18	39733B	2	Hyd Tube, 3/4in O.D. (Replaces 36264B)	
19	39731A	1	Hyd Tube, 3/4in O.D. (Replaces 36274A)	
20	39732A	1	Hyd Tube, 3/4in O.D. (Replaces 36275A)	
21	P21632	4	90, Elbow, Swivel	
22	37193X	2	Hyd Hose, 3/4in	
23	37192X	2	Hyd Hose, 3/4in	
24	P24614	2	Connector, O-Ring (Long)	
25	P17805	2	Connector, O-Ring	
26	37000X	4	Clamp, Cushion (Replaces P20486)	
27	P28200	4	Clamp, Cushion	
28	P28364	2	Tee, O-Ring	
29	P18964	2	Connector, O-Ring	
30	37195X	1	Hyd Hose, 5/8in	
31	37194X	1	Hyd Hose, 5/8in	
32	37197X	1	Hyd Hose, 5/8in	
33	37196X	1	Hyd Hose, 5/8in	
34	37150X	2	Hyd Hose, 1/2in	
35	P23866	2	Hyd Hose, 1/2in	
36	36420B	1	Hose Tray, Roll-Back	
37	P01310	4	Lockwasher, 3/8in	
38	P03227	4	Capscrew, Button Hd Socket, 3/8in-16 x 1in	
39	P19031	8	90, Elbow, Union (Note: Used Early Production Only)	

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FIGURE 5-2. HOIST AND REAR CARRIAGE TILT HYDRAULIC CIRCUIT (644B-37,644B-42,844C-42)
(644B-37 SN 667 to Present, Including 591; 644B-42 SN 208 through 1619, SN 16152 through 16439;
844C-42 SN 622 through 3639, SN 16038 through 16439)



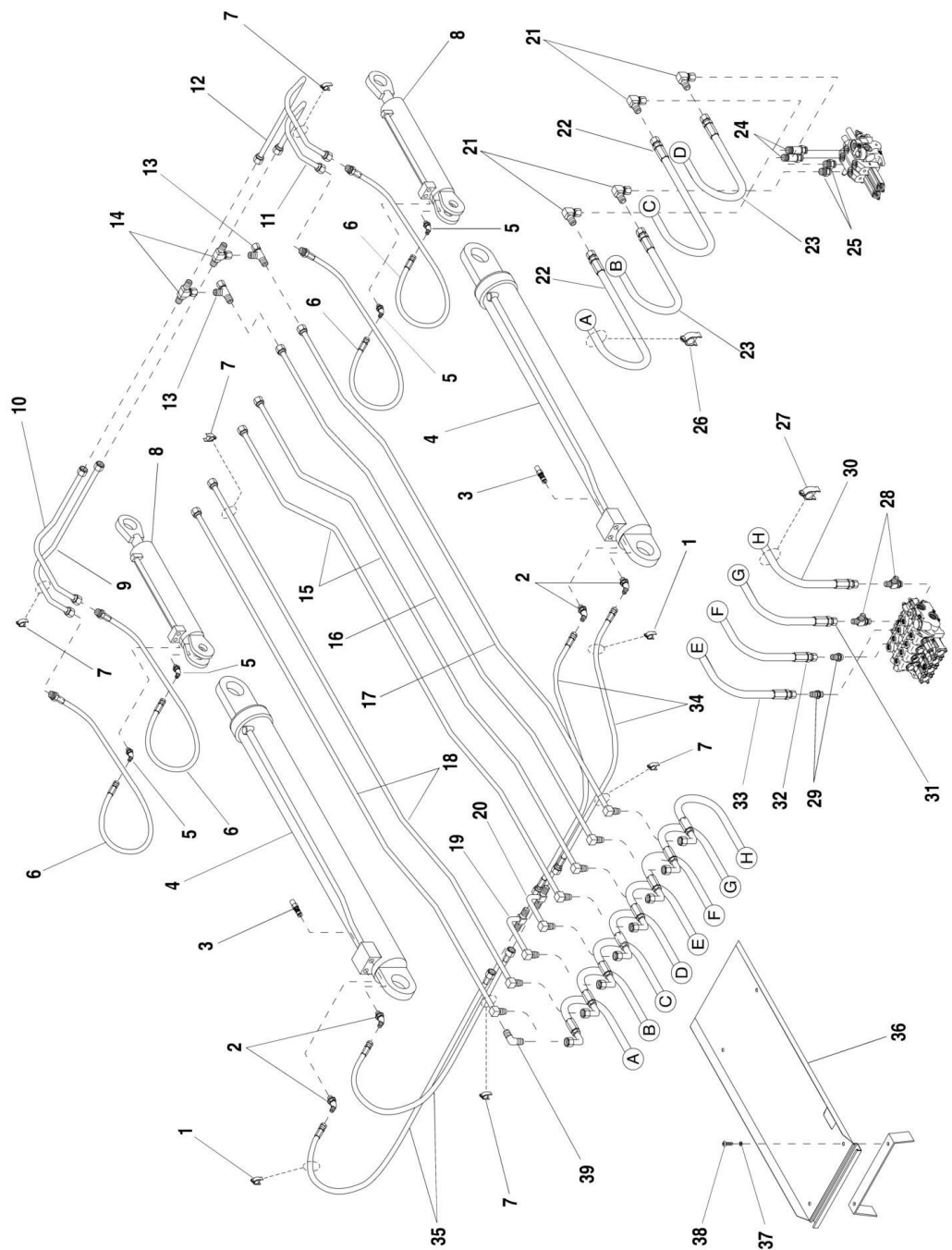
SECTION 5 - BOOM AND TRANSFER HYDRAULICS

**FIGURE 5-2. HOIST AND REAR CARRIAGE TILT HYDRAULIC CIRCUIT (644B-37,644B-42,844C-42)
(644B-37 SN 667 to Present, Including 591; 644B-42 SN 208 through 1619, SN 16152 through 16439;
844C-42 SN 622 through 3639, SN 16038 through 16439)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P23866	2	Hyd Hose, 1/2in	
2	P21230	4	45, Elbow, O-Ring	
3	P29947	2	Cartridge, Counterbalance Valve	
3	2900770	1	Seal Kit for Item 3	
4	34812B	2	Cylinder, Hoist (See HOIST CYLINDER ASSEMBLY for Breakdown)	
5	P21229	4	45, Elbow, O-Ring	
6	37151X	4	Hyd Hose, 1/2in	
7	90207463	18	Clamp, Cushion	
8	34828B	2	Cylinder, Rear Carriage Tilt (See REAR CARRIAGE TILT CYLINDER ASSEMBLY for Breakdown)	
9	36295B	1	Hyd Tube, 3/4in O.D.	
10	36294B	1	Hyd Tube, 3/4in O.D.	
11	36293B	1	Hyd Tube, 3/4in O.D.	
12	36292B	1	Hyd Tube, 3/4in O.D.	
13	P19804	2	Tee, Swivel	
14	P24651	2	Tee, Swivel Branch	
15	39736B	2	Hyd Tube, 3/4in O.D.	
16	39734B	1	Hyd Tube, 3/4in O.D.	
17	39735B	1	Hyd Tube, 3/4in O.D.	
18	39733B	2	Hyd Tube, 3/4in O.D.	
19	39731A	1	Hyd Tube, 3/4in O.D.	
20	39732A	1	Hyd Tube, 3/4in O.D.	
21	37150X	2	Hyd Hose, 1/2in	
22	P01310	4	Lockwasher, 3/8in	
23	P03227	4	Capscrew, Button Hd Socket, 3/8in-16 x 1in	
24	38559A	1	Hose Tray, Roll-Back	
25	P01404	2	Flatwasher, 3/8in	
26	38556B	1	Support Bracket, Hose Tray	
27	P00414	2	Capscrew, Hx, 1/2in-13 x 4in	
28	P01312	2	Lockwasher, 1/2in	
29	P01510	2	Nut, Hx, 1/2in-13	
30	P01506	3	Nut, Hx, 1/4in-20	
31	P01308	3	Lockwasher, 1/4in	
32	38560B	1	Hose Mount	
33	37574X	3	Capscrew, Button Hd Socket, 1/4in-20 x 3in	
34	37194X	2	Hyd Hose, 5/8in	
35	37195X	2	Hyd Hose, 5/8in	
36	P27384	4	Connector, O-Ring (Long)	
37	P17805	4	Connector, O-Ring	
38	37513X	2	Hyd Hose, 5/8in	
39	P31059	2	Hyd Hose, 5/8in	

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FIGURE 5-3. HOIST AND REAR CARRIAGE TILT HYDRAULIC CIRCUIT (1044C-42,1044C-54) (1044C-42 SN 101 through 116; 1044C-54 SN 101 through 154)



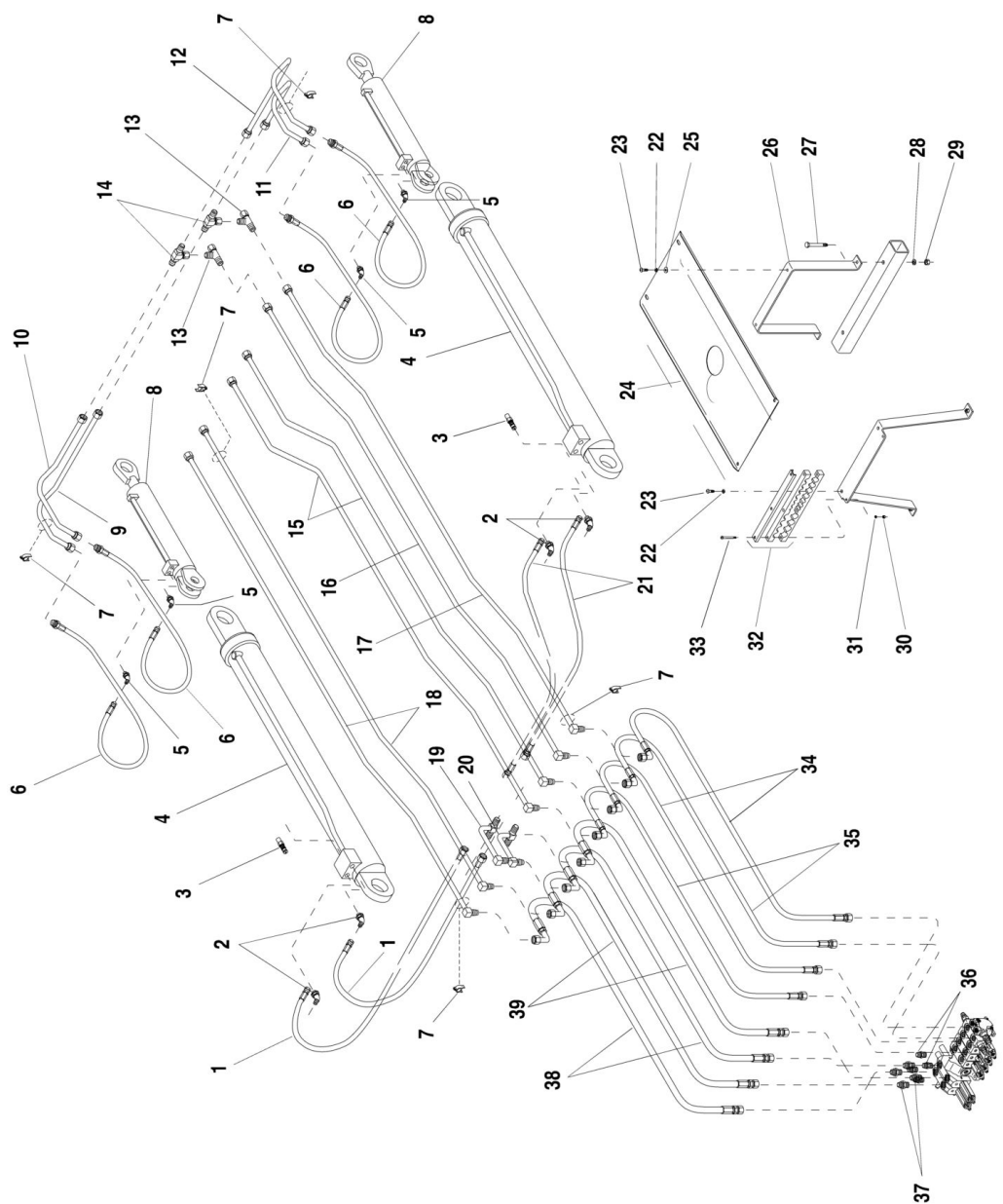
SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-3. HOIST AND REAR CARRIAGE TILT HYDRAULIC CIRCUIT (1044C-42,1044C-54) (1044C-42 SN 101 through 116; 1044C-54 SN 101 through 154)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1		Ref	Clamp, Cushion (Note: Not Used on this Model)	
2	P21230	4	45, Elbow, O-Ring	
3	P29947	2	Cartridge, Counterbalance Valve	
3	2900770	1	Seal Kit for Item 3	
4	34841B	2	Cylinder, Hoist (See HOIST CYLINDER ASSEMBLY for Breakdown) (Note: Use 34826B for (1044C-42 S/N 101 through 113 & 1044C-54 S/N 101 through 131). 34841B can be used if Replaced as a Set for Both Sides)	
5	P21229	4	45, Elbow, O-Ring	
6	37151X	4	Hyd Hose, 1/2in	
7	90207463	18	Clamp, Cushion	
8	34825B	2	Cylinder, Rear Carriage Tilt (See REAR CARRIAGE TILT CYLINDER ASSEMBLY for Breakdown) (Note: 65750B can be used if Replaced as a Set for Both Sides)	
9	36295B	1	Hyd Tube, 3/4in O.D.	
10	36294B	1	Hyd Tube, 3/4in O.D.	
11	36293B	1	Hyd Tube, 3/4in O.D.	
12	36292B	1	Hyd Tube, 3/4in O.D.	
13	P19804	2	Tee, Swivel	
14	P24651	2	Tee, Swivel Branch	
15	39736B	2	Hyd Tube, 3/4in O.D. (Replaces 36265B)	
16	39734B	1	Hyd Tube, 3/4in O.D. (Replaces 36290B)	
17	39735B	1	Hyd Tube, 3/4in O.D. (Replaces 36291B)	
18	39733B	2	Hyd Tube, 3/4in O.D. (Replaces 36264B)	
19	39731A	1	Hyd Tube, 3/4in O.D. (Replaces 36274A)	
20	39732A	1	Hyd Tube, 3/4in O.D. (Replaces 36275A)	
21	P21632	4	90, Elbow, Swivel	
22	37193X	2	Hyd Hose, 3/4in	
23	37192X	2	Hyd Hose, 3/4in	
24	P24614	2	Connector, O-Ring (Long)	
25	P17805	2	Connector, O-Ring	
26	37000X	4	Clamp, Cushion (Replaces P20486)	
27	P28200	4	Clamp, Cushion	
28	P28364	2	Tee, O-Ring	
29	P18964	2	Connector, O-Ring	
30	37195X	1	Hyd Hose, 5/8in	
31	37194X	1	Hyd Hose, 5/8in	
32	37197X	1	Hyd Hose, 5/8in	
33	37196X	1	Hyd Hose, 5/8in	
34	37150X	2	Hyd Hose, 1/2in	
35	P23866	2	Hyd Hose, 1/2in	
36	36420B	1	Hose Tray, Roll-Back	
37	P01310	4	Lockwasher, 3/8in	
38	P03227	4	Capscrew, Button Hd Socket, 3/8in-16 x 1in	
39	P19031	8	90, Elbow, Union (Note: Used Early Production Only)	

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FIGURE 5-4. HOIST AND REAR CARRIAGE TILT HYDRAULIC CIRCUIT (1044C-42,1044C-54) (1044C-42 SN 117 to Present)



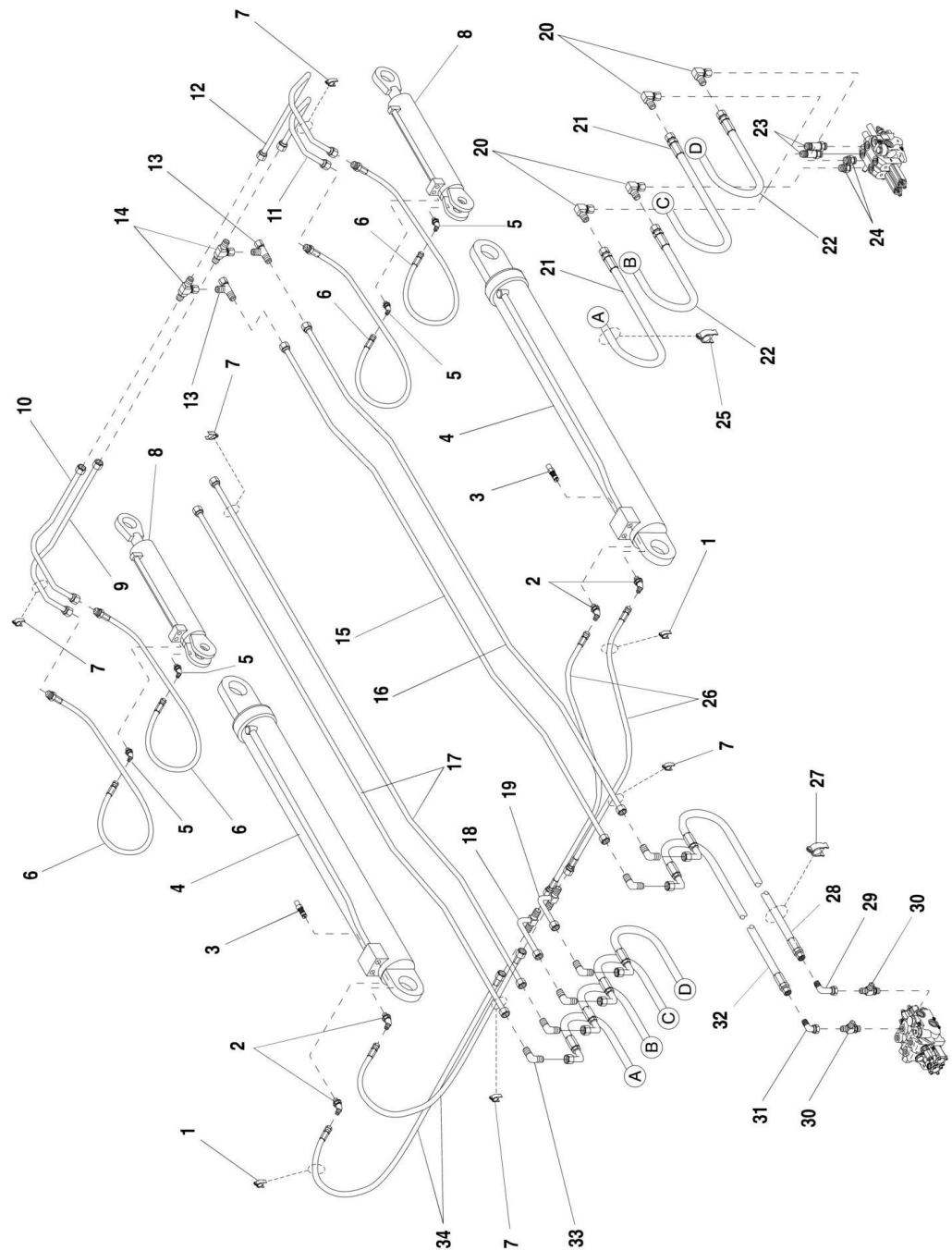
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FIGURE 5-4. HOIST AND REAR CARRIAGE TILT HYDRAULIC CIRCUIT (1044C-42,1044C-54) (1044C-42 SN 117 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P23866	2	Hyd Hose, 1/2in	
2	P21230	4	45, Elbow, O-Ring	
3	P29947	2	Cartridge, Counterbalance Valve	
3	2900770	1	Seal Kit for Item 3	
4	34841B	2	Cylinder, Hoist (See HOIST CYLINDER ASSEMBLY for Breakdown)	
5	P21229	4	45, Elbow, O-Ring	
6	37151X	4	Hyd Hose, 1/2in	
7	90207463	18	Clamp, Cushion	
8	65750B	2	Cylinder, Rear Carriage Tilt (See REAR CARRIAGE TILT CYLINDER ASSEMBLY for Breakdown) (Note: Use 34825B for (1044C-42 S/N 101 through 120 & 1044C-54 S/N 101 through 211). 65750B can be used if Replaced as a Set for Both Sides)	
9	36295B	1	Hyd Tube, 3/4in O.D.	
10	36294B	1	Hyd Tube, 3/4in O.D.	
11	36293B	1	Hyd Tube, 3/4in O.D.	
12	36292B	1	Hyd Tube, 3/4in O.D.	
13	P19804	2	Tee, Swivel	
14	P24651	2	Tee, Swivel Branch	
15	39736B	2	Hyd Tube, 3/4in O.D.	
16	39734B	1	Hyd Tube, 3/4in O.D.	
17	39735B	1	Hyd Tube, 3/4in O.D.	
18	39733B	2	Hyd Tube, 3/4in O.D.	
19	39731A	1	Hyd Tube, 3/4in O.D.	
20	39732A	1	Hyd Tube, 3/4in O.D.	
21	37150X	2	Hyd Hose, 1/2in	
22	P01310	4	Lockwasher, 3/8in	
23	P03227	4	Capscrew, Button Hd Socket, 3/8in-16 x 1in	
24	38559A	1	Hose Tray, Roll-Back	
25	P01404	2	Flatwasher, 3/8in	
26	38556B	1	Support Bracket, Hose Tray	
27	P00414	2	Capscrew, Hx, 1/2in-13 x 4in	
28	P01312	2	Lockwasher, 1/2in	
29	P01510	2	Nut, Hx, 1/2in-13	
30	P01506	3	Nut, Hx, 1/4in-20	
31	P01308	3	Lockwasher, 1/4in	
32	38560B	1	Hose Mount	
33	37574X	3	Capscrew, Button Hd Socket, 1/4in-20 x 3in	
34	37194X	2	Hyd Hose, 5/8in	
35	37195X	2	Hyd Hose, 5/8in	
36	P27384	4	Connector, O-Ring (Long)	
37	P17805	4	Connector, O-Ring	
38	37513X	2	Hyd Hose, 5/8in	
39	P31059	2	Hyd Hose, 5/8in	

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FIGURE 5-5. HOIST AND REAR CARRIAGE TILT HYDRAULIC CIRCUIT (6K-37,6K-42,8K-42) (6K-37 SN 101 through 317; 6K-42 SN 101 through 119; 8K-42 SN 101 through 220)



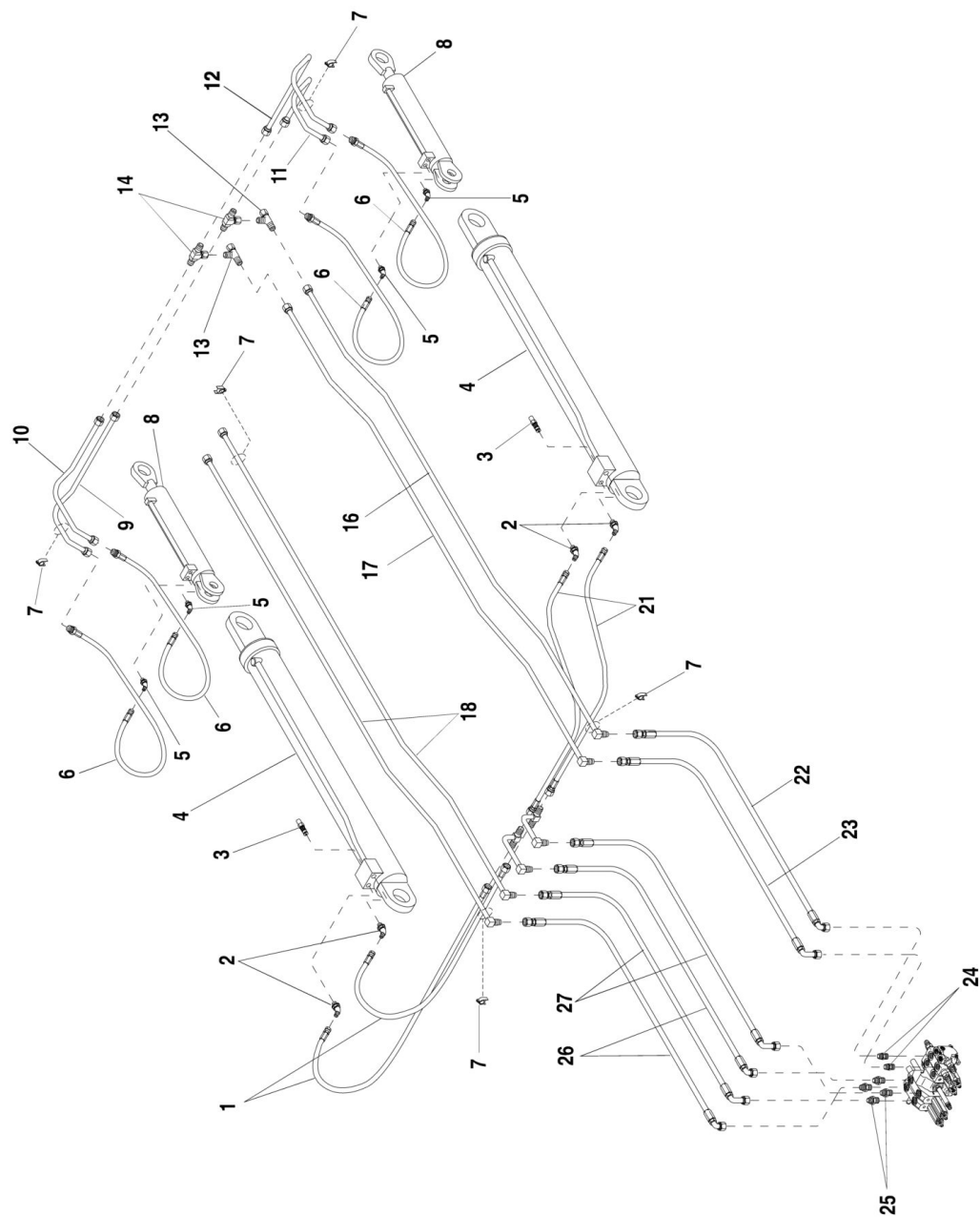
SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-5. HOIST AND REAR CARRIAGE TILT HYDRAULIC CIRCUIT (6K-37,6K-42,8K-42) (6K-37 SN 101 through 317; 6K-42 SN 101 through 119; 8K-42 SN 101 through 220)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	90207463	4	Clamp, Cushion (Note: Used Early Production Only)	
2	P21230	4	45, Elbow, O-Ring	
3	P29947	2	Cartridge, Counterbalance Valve	
3	2900770	1	Seal Kit for Item 3	
4	34812B	2	Cylinder, Hoist (See HOIST CYLINDER ASSEMBLY for Breakdown)	
5	P21229	4	45, Elbow, O-Ring	
6	37151X	4	Hyd Hose, 1/2in	
7	90207463	14	Clamp, Cushion	
8	34828B	2	Cylinder, Rear Carriage Tilt (Replaces 34817B) (See REAR CARRIAGE TILT CYLINDER ASSEMBLY for Breakdown)	
9	36295B	1	Hyd Tube, 3/4in O.D.	
10	36294B	1	Hyd Tube, 3/4in O.D.	
11	36293B	1	Hyd Tube, 3/4in O.D.	
12	36292B	1	Hyd Tube, 3/4in O.D.	
13	P19804	2	Tee, Swivel	
14	P24651	2	Tee, Swivel Branch	
15	39734B	1	Hyd Tube, 3/4in O.D. (Replaces 36290B)	
16	39735B	1	Hyd Tube, 3/4in O.D. (Replaces 36291B)	
17	39733B	2	Hyd Tube, 3/4in O.D. (Replaces 36264B)	
18	39731A	1	Hyd Tube, 3/4in O.D. (Replaces 36274A)	
19	39732A	1	Hyd Tube, 3/4in O.D. (Replaces 36275A)	
20	P21632	4	90, Elbow, Swivel	
21	P25229	2	Hyd Hose, 3/4in	
22	P27152	2	Hyd Hose, 3/4in	
23	P24614	2	Connector, O-Ring (Long)	
24	P17805	2	Connector, O-Ring	
25	37000X	4	Clamp, Cushion (Replaces P20486)	
26	37150X	2	Hyd Hose, 1/2in	
27	P28200	2	Clamp, Cushion	
28	37267X	1	Hyd Hose, 5/8in	
29	P29004	1	90, Elbow, Swivel (Long)	
30	P28364	2	Tee, O-Ring	
31	P28140	1	90, Elbow, Swivel	
32	37268X	1	Hyd Hose, 5/8in	
33	P19031	6	90, Elbow, Union (Note: Used Early Production Only)	
34	P23866	2	Hyd Hose, 1/2in	

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FIGURE 5-6. HOIST AND REAR CARRIAGE TILT HYDRAULIC CIRCUIT (6K-37,6K-42,8K-42) (6K-37 Including 318; 6K-42 SN 120 to Present; 8K-42 SN 221 to Present)



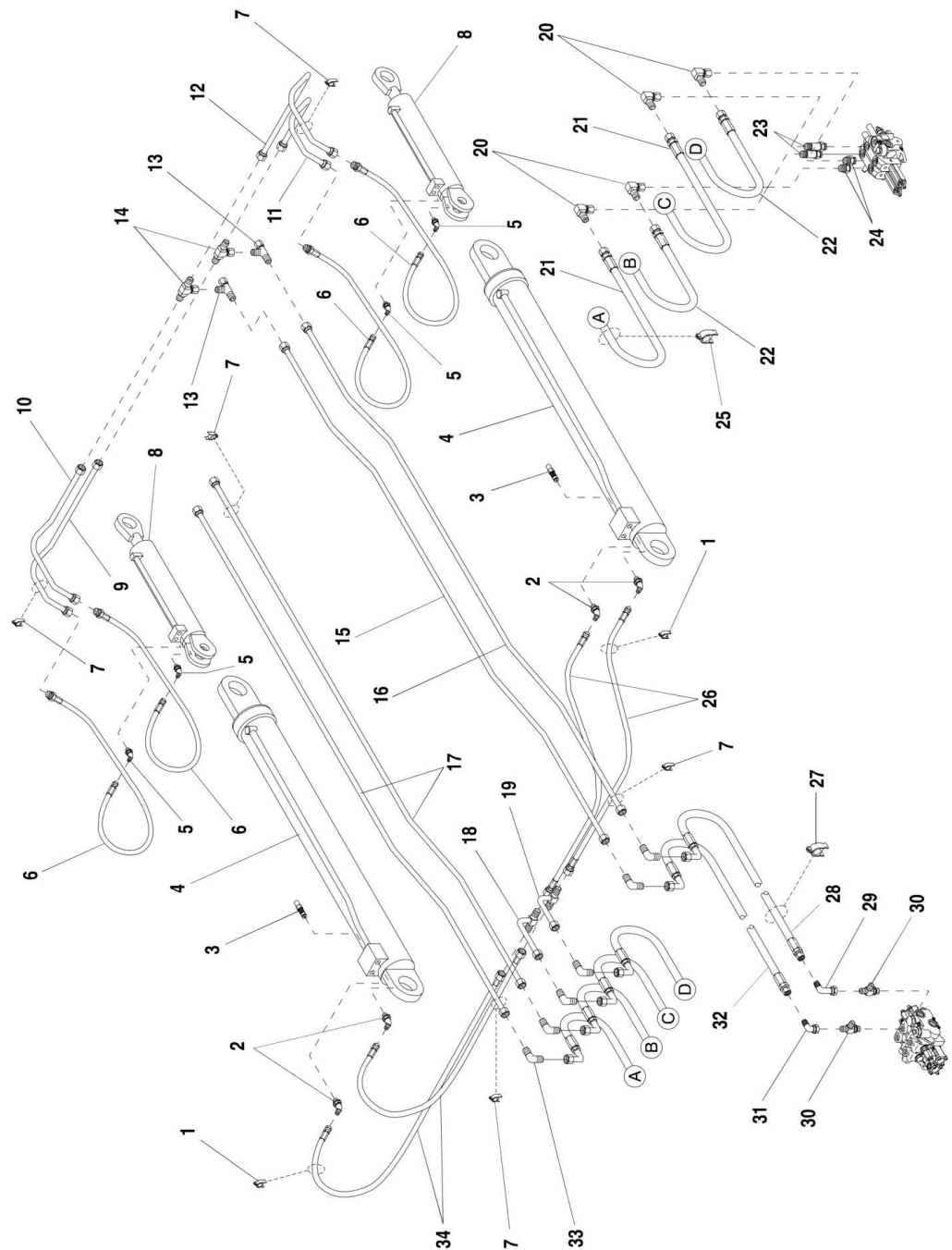
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FIGURE 5-6. HOIST AND REAR CARRIAGE TILT HYDRAULIC CIRCUIT (6K-37,6K-42,8K-42) (6K-37 Including 318; 6K-42 SN 120 to Present; 8K-42 SN 221 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P23866	2	Hyd Hose, 1/2in	
2	P21230	4	45, Elbow, O-Ring	
3	P29947	2	Cartridge, Counterbalance Valve	
3	2900770	1	Seal Kit for Item 3	
4	34812B	2	Cylinder, Hoist (See HOIST CYLINDER ASSEMBLY for Breakdown)	
5	P21229	4	45, Elbow, O-Ring	
6	37151X	4	Hyd Hose, 1/2in	
7	90207463	14	Clamp, Cushion	
8	34828B	2	Cylinder, Rear Carriage Tilt (See REAR CARRIAGE TILT CYLINDER ASSEMBLY for Breakdown)	
9	36295B	1	Hyd Tube, 3/4in O.D.	
10	36294B	1	Hyd Tube, 3/4in O.D.	
11	36293B	1	Hyd Tube, 3/4in O.D.	
12	36292B	1	Hyd Tube, 3/4in O.D.	
13	P19804	2	Tee, Swivel	
14	P24651	2	Tee, Swivel Branch	
15	39736B	2	Hyd Tube, 3/4in O.D.	
16	39734B	1	Hyd Tube, 3/4in O.D.	
17	39735B	1	Hyd Tube, 3/4in O.D.	
18	39733B	2	Hyd Tube, 3/4in O.D.	
19	39731A	1	Hyd Tube, 3/4in O.D.	
20	39732A	1	Hyd Tube, 3/4in O.D.	
21	37150X	2	Hyd Hose, 1/2in	
22	37630X	1	Hyd Hose, 5/8in	
23	37631X	1	Hyd Hose, 5/8in	
24	P18964	2	Connector, O-Ring	
25	P17805	4	Connector, O-Ring	
26	37634X	2	Hyd Hose, 5/8in	
27	37633X	2	Hyd Hose, 5/8in	

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FIGURE 5-7. HOIST AND REAR CARRIAGE TILT HYDRAULIC CIRCUIT (10K-42,10K-54) (10K-42 SN 101 through 106; 10K-54 SN 101 through 103)



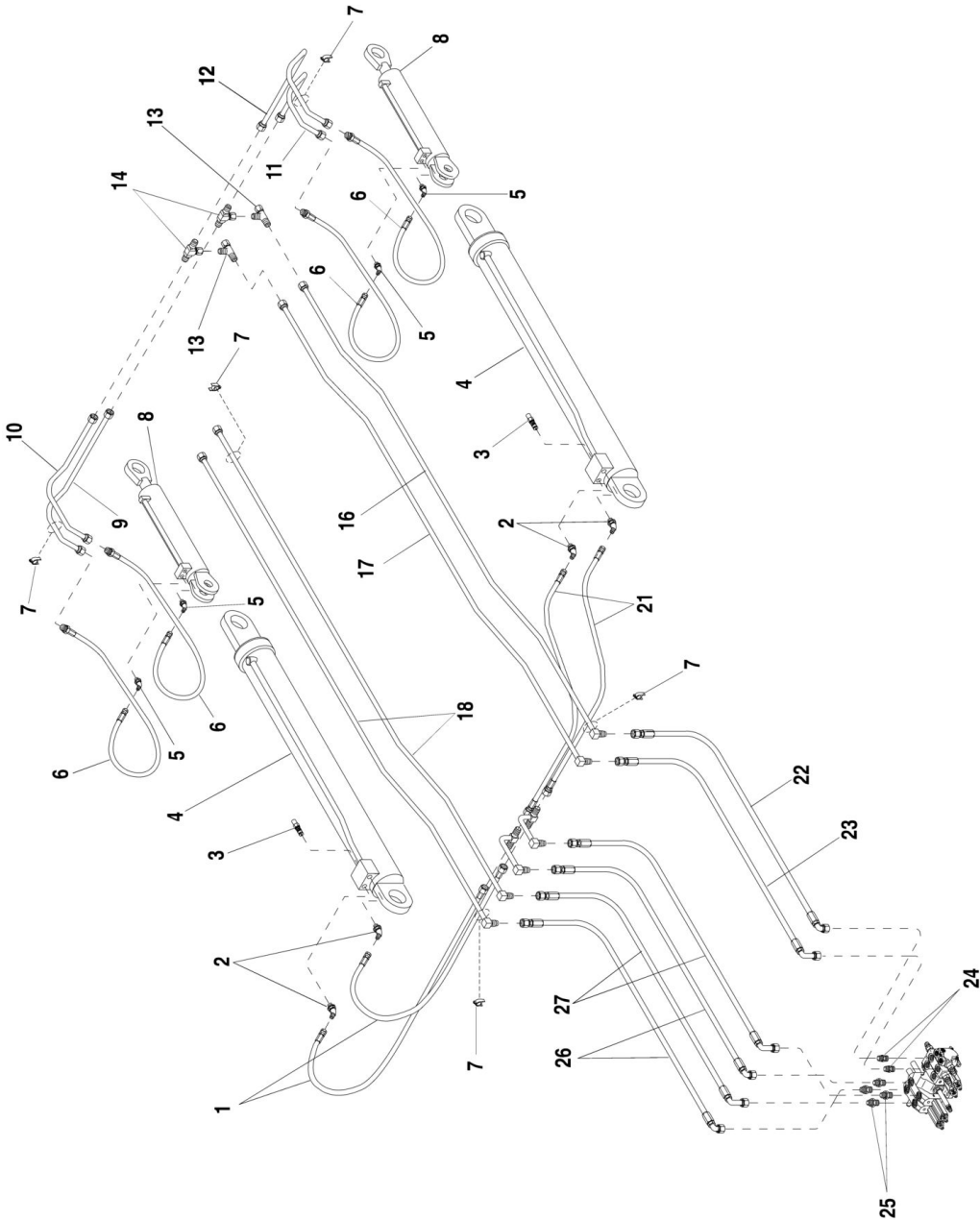
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FIGURE 5-7. HOIST AND REAR CARRIAGE TILT HYDRAULIC CIRCUIT (10K-42,10K-54) (10K-42 SN 101 through 106; 10K-54 SN 101 through 103)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	90207463	4	Clamp, Cushion (Note: Used Early Production Only)	
2	P21230	4	45, Elbow, O-Ring	
3	P29947	2	Cartridge, Counterbalance Valve	
3	2900770	1	Seal Kit for Item 3	
4	34841B	2	Cylinder, Hoist (See HOIST CYLINDER ASSEMBLY for Breakdown) (Note: Use 34826B for (10K-42 S/N 101 through 106 & 10K-54 S/N 101 through 102). 34841B can be used if Replaced as a Set for Both Sides)	
5	P21229	4	45, Elbow, O-Ring	
6	37151X	4	Hyd Hose, 1/2in	
7	90207463	14	Clamp, Cushion	
8	34825B	2	Cylinder, Rear Carriage Tilt (See REAR CARRIAGE TILT CYLINDER ASSEMBLY for Breakdown) (Note: 65750B can be used if Replaced as a Set for Both Sides)	
9	36295B	1	Hyd Tube, 3/4in O.D.	
10	36294B	1	Hyd Tube, 3/4in O.D.	
11	36293B	1	Hyd Tube, 3/4in O.D.	
12	36292B	1	Hyd Tube, 3/4in O.D.	
13	P19804	2	Tee, Swivel	
14	P24651	2	Tee, Swivel Branch	
15	39734B	1	Hyd Tube, 3/4in O.D. (Replaces 36290B)	
16	39735B	1	Hyd Tube, 3/4in O.D. (Replaces 36291B)	
17	39733B	2	Hyd Tube, 3/4in O.D. (Replaces 36264B)	
18	39731A	1	Hyd Tube, 3/4in O.D. (Replaces 36274A)	
19	39732A	1	Hyd Tube, 3/4in O.D. (Replaces 36275A)	
20	P21632	4	90, Elbow, Swivel	
21	P25229	2	Hyd Hose, 3/4	
22	P27152	2	Hyd Hose, 3/4	
23	P24614	2	Connector, O-Ring (Long)	
24	P17805	2	Connector, O-Ring	
25	37000X	4	Clamp, Cushion (Replaces P20486)	
26	37150X	2	Hyd Hose, 1/2in	
27	P28200	2	Clamp, Cushion	
28	37267X	1	Hyd Hose, 5/8in	
29	P29004	1	90, Elbow, Swivel (Long)	
30	P28364	2	Tee, O-Ring	
31	P28140	1	90, Elbow, Swivel	
32	37268X	1	Hyd Hose, 5/8in	
33	P19031	6	90, Elbow, Union (Note: Used Early Production Only)	
34	P23866	2	Hyd Hose, 1/2in	

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FIGURE 5-8. HOIST AND REAR CARRIAGE TILT HYDRAULIC CIRCUIT (10K-42,10K-54) (10K-42 SN 107 to Present; 10K-54 SN 104 to Present)



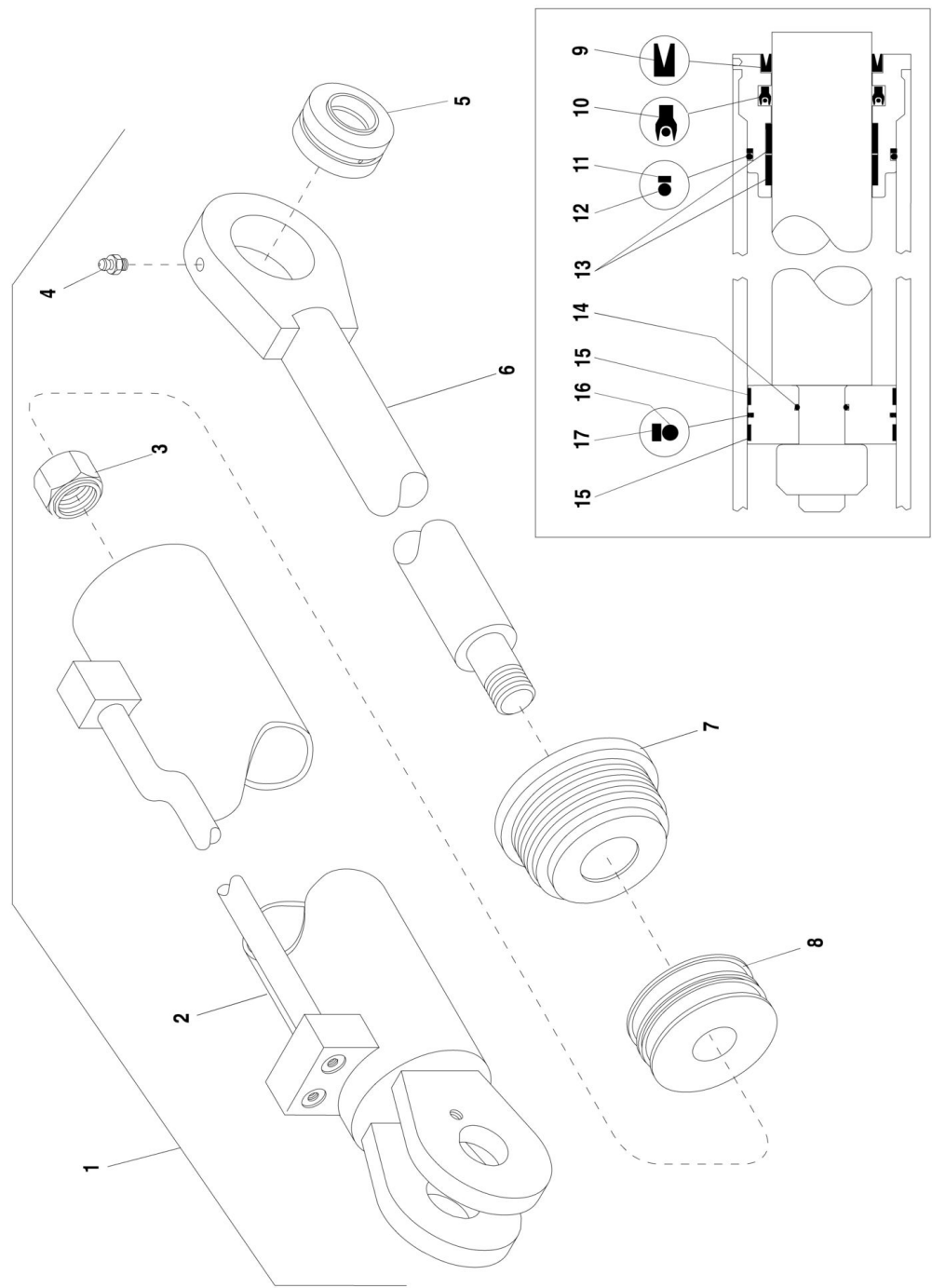
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FIGURE 5-8. HOIST AND REAR CARRIAGE TILT HYDRAULIC CIRCUIT (10K-42,10K-54) (10K-42 SN 107 to Present; 10K-54 SN 104 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P23866	2	Hyd Hose, 1/2in	
2	P21230	4	45, Elbow, O-Ring	
3	P29947	2	Cartridge, Counterbalance Valve	
3	2900770	1	Seal Kit for Item 3	
4	34841B	2	Cylinder, Hoist (See HOIST CYLINDER ASSEMBLY for Breakdown)	
5	P21229	4	45, Elbow, O-Ring	
6	37151X	4	Hyd Hose, 1/2in	
7	90207463	14	Clamp, Cushion	
8	65750B	2	Cylinder, Rear Carriage Tilt (See REAR CARRIAGE TILT CYLINDER ASSEMBLY for Breakdown)	
9	36295B	1	Hyd Tube, 3/4in O.D.	
10	36294B	1	Hyd Tube, 3/4in O.D.	
11	36293B	1	Hyd Tube, 3/4in O.D.	
12	36292B	1	Hyd Tube, 3/4in O.D.	
13	P19804	2	Tee, Swivel	
14	P24651	2	Tee, Swivel Branch	
15	39736B	2	Hyd Tube, 3/4in O.D.	
16	39734B	1	Hyd Tube, 3/4in O.D.	
17	39735B	1	Hyd Tube, 3/4in O.D.	
18	39733B	2	Hyd Tube, 3/4in O.D.	
19	39731A	1	Hyd Tube, 3/4in O.D.	
20	39732A	1	Hyd Tube, 3/4in O.D.	
21	37150X	2	Hyd Hose, 1/2in	
22	37630X	1	Hyd Hose, 5/8in	
23	37631X	1	Hyd Hose, 5/8in	
24	P18964	2	Connector, O-Ring	
25	P17805	4	Connector, O-Ring	
26	37634X	2	Hyd Hose, 5/8in	
27	37633X	2	Hyd Hose, 5/8in	

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FIGURE 5-9. REAR CARRIAGE TILT CYLINDER ASSEMBLY (644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 101 through 434; 644B-42 SN 101 through 130; 6K-37 SN 101 through 229; 6K-42 SN 101 through 109; 844C-42 SN 101 through 319; 8K-42 SN 101 through 180)



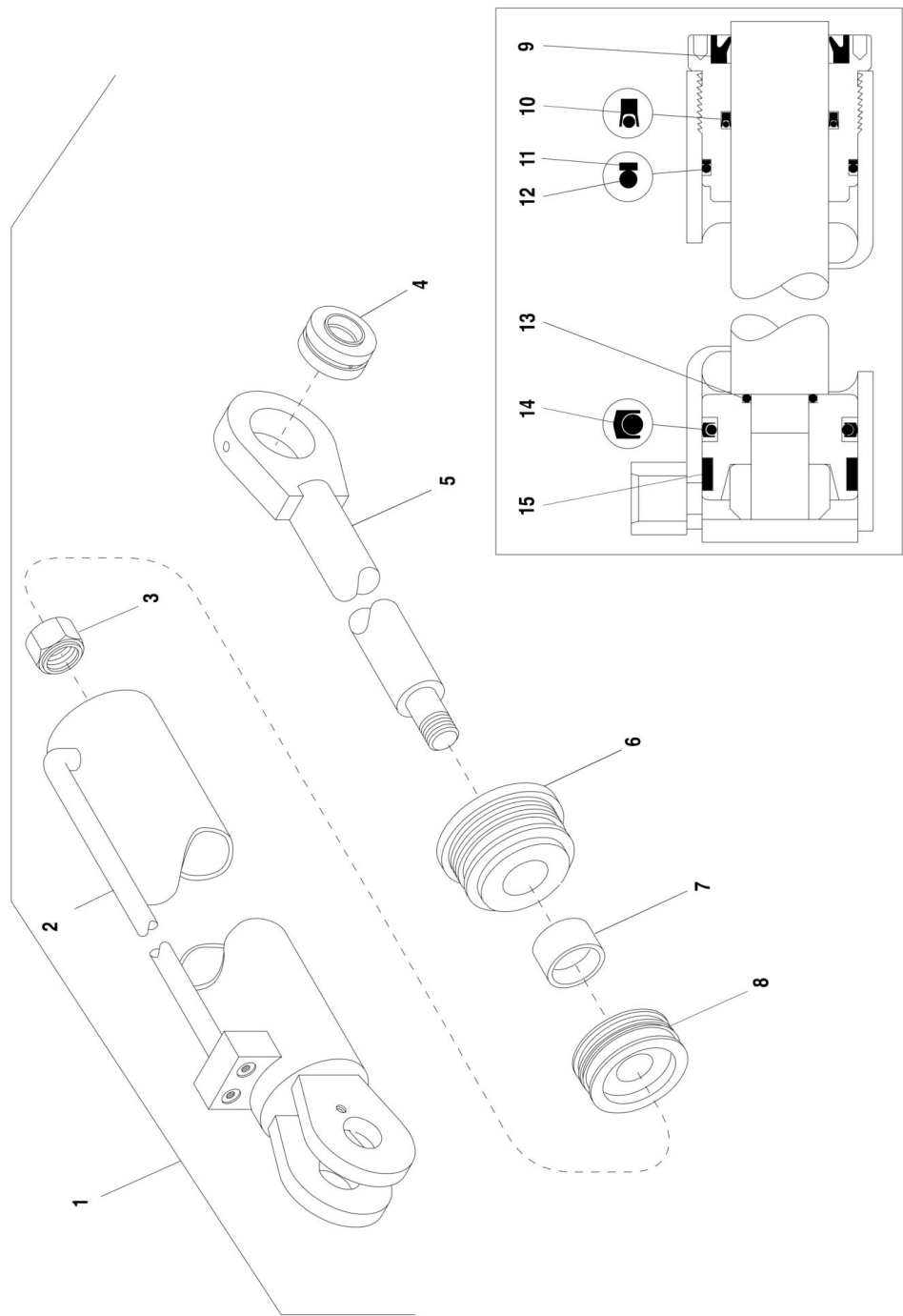
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FIGURE 5-9. REAR CARRIAGE TILT CYLINDER ASSEMBLY (644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 101 through 434; 644B-42 SN 101 through 130; 6K-37 SN 101 through 229; 6K-42 SN 101 through 109; 844C-42 SN 101 through 319; 8K-42 SN 101 through 180)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	34817B	-	Cylinder Assembly, Rear Carriage Tilt	
2	P30617	1	Barrel Weldment	
3	P40459	1	Nut, Crownlock	
4	P16611	1	Grease Fitting	
5	P13449	1	Bushing, Self-Aligned	
6	P30636	1	Rod Weldment	
7	P30672	1	Rod Bearing	
8	P30649	1	Piston	
9	N.S.S.	1	Wiper	
10	N.S.S.	1	Seal	
11	N.S.S.	1	Back-Up Ring	
12	N.S.S.	1	O-Ring	
12	N.S.S.	1	O-Ring	
13	N.S.S.	2	Wear Ring	
14	N.S.S.	1	O-Ring	
15	N.S.S.	2	Wear Ring	
16	N.S.S.	1	O-Ring	
17	N.S.S.	1	Piston Seal	
Ref	P30654	1	Seal Kit, (Includes Items 9-17)	
		Ref	N.S.S. = Not Sold Separately.	

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FIGURE 5-10. REAR CARRIAGE TILT CYLINDER ASSEMBLY (644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 435 to Present; 644B-42 SN 131 to Present; 844C-42 SN 320 to Present; 6K-37 SN 230 to Present; 6K-42 SN 110 to Present; 8K-42 SN 181 to Present)



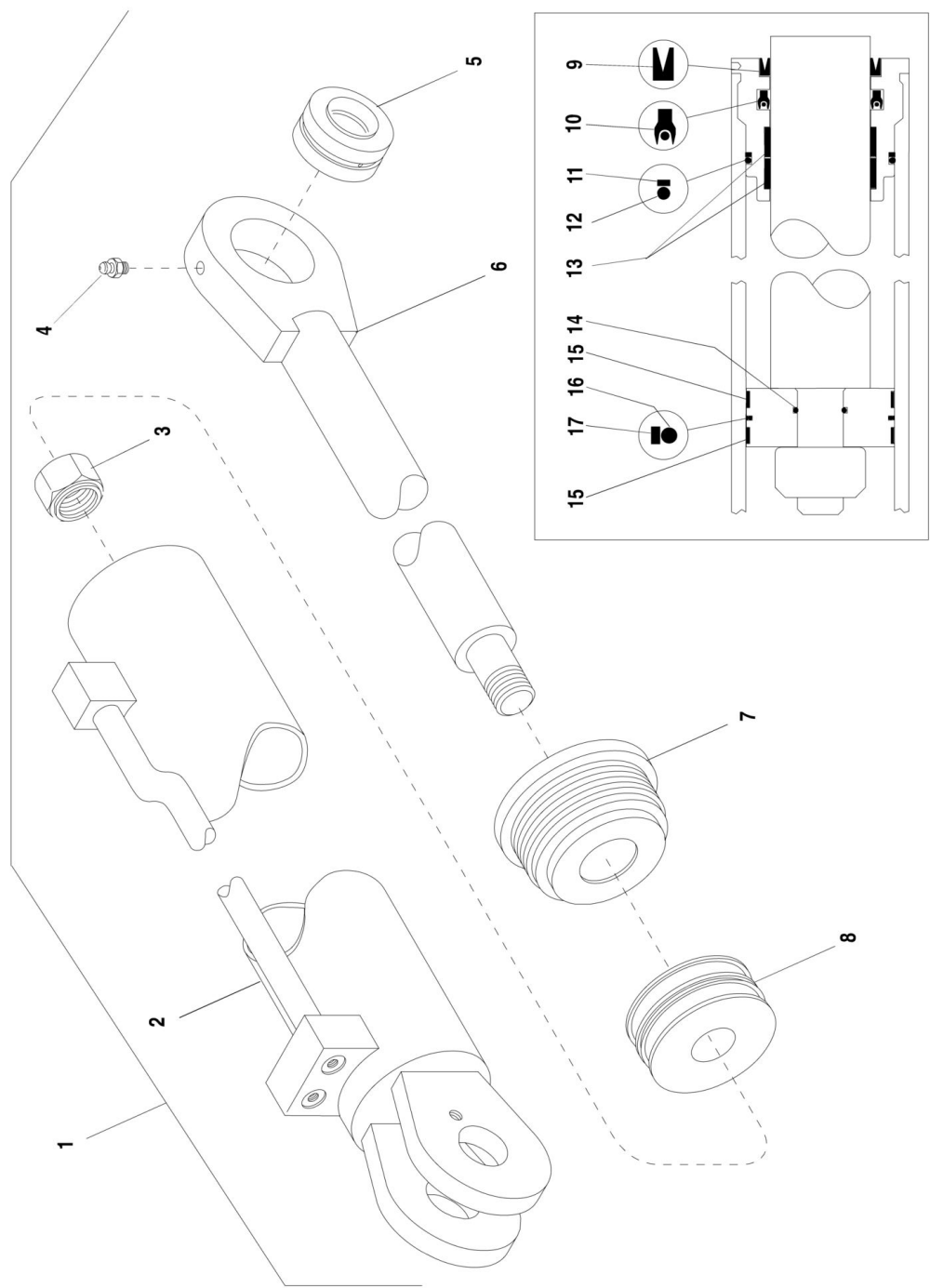
SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-10. REAR CARRIAGE TILT CYLINDER ASSEMBLY (644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 435 to Present; 644B-42 SN 131 to Present; 844C-42 SN 320 to Present; 6K-37 SN 230 to Present; 6K-42 SN 110 to Present; 8K-42 SN 181 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	34828B	-	Cylinder Assembly, Rear Carriage Tilt	
2	P32239	1	Barrel Weldment	
3	P19217	1	Nut, Crownlock	
4	P13449	1	Bushing, Self-Aligned	
5	P32319	1	Rod Weldment	
6	P32331	1	Rod Bearing	
7	P32342	1	Stroke Limiter	
8	P23799	1	Piston	
9	N.S.S.	1	Wiper	
10	N.S.S.	1	Seal	
11	N.S.S.	1	Back-Up Ring	
12	N.S.S.	1	O-Ring	
13	N.S.S.	1	O-Ring	
14	N.S.S.	1	Piston Seal	
15	N.S.S.	1	Wear Ring	
Ref	P32314	1	Seal Kit (Includes Items 9-15)	
		Ref	N.S.S. = Not Sold Separately.	

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FIGURE 5-11. REAR CARRIAGE TILT CYLINDER ASSEMBLY (1044C-42,1044C-54,10K-42,10K-54)
(1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)



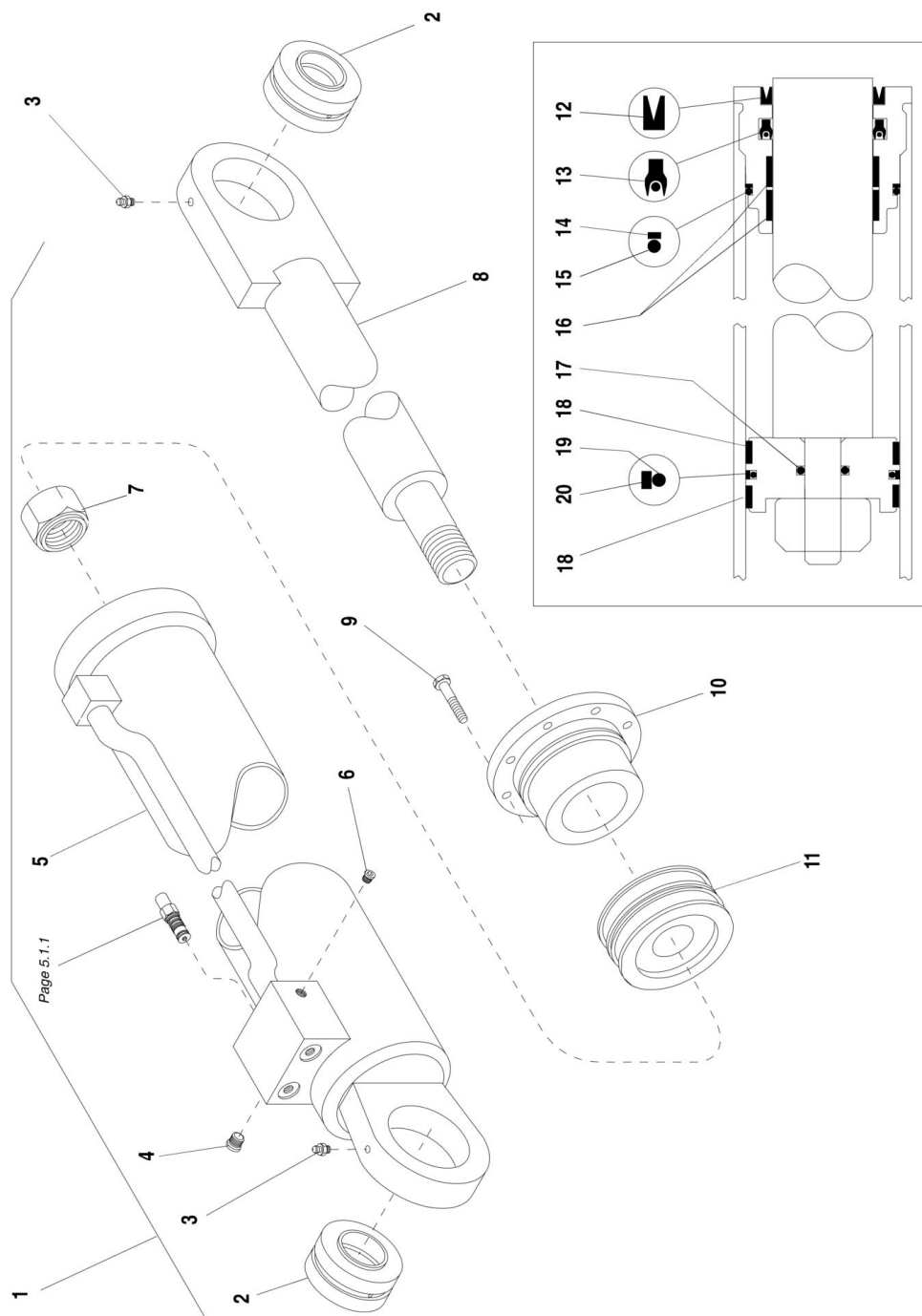
SECTION 5 - BOOM AND TRANSFER HYDRAULICS

**FIGURE 5-11. REAR CARRIAGE TILT CYLINDER ASSEMBLY (1044C-42,1044C-54,10K-42,10K-54)
(1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	65750B	-	Cylinder Assembly, Rear Carriage Tilt	
1	34825B	-	Cylinder Assembly, Rear Carriage Tilt (Note: Used for (1044C-42 S/N 101 through 120, 1044C-54 S/N 101 through 211, 10K-42 S/N 101 through 107 & 10K-54 S/N 101 through 109). 65750B can be used for Replacement, if Replaced (as a Pair) on each Side)	
2	36750X	1	Barrel Weldment (for 65750B cylinder)	
2	P30622	-	Barrel Weldment (for 34825B cylinder) (Note: Used for (1044C-42 S/N 101 through 120, 1044C-54 S/N 101 through 211, 10K-42 S/N 101 through 107 & 10K-54 S/N 101 through 109))	
3	P30677	1	Nut, Crownlock	
4	P16611	1	Grease Fitting	
5	P13449	1	Bushing, Self-Aligned	
6	36751X	1	Rod Weldment (for 65750B cylinder)	
6	P32262	-	Rod Weldment (for 34825B cylinder) (Note: Used for (1044C-42 S/N 101 through 120, 1044C-54 S/N 101 through 211, 10K-42 S/N 101 through 107 & 10K-54 S/N 101 through 109))	
7	P32281	1	Rod Bearing	
8	P32274	1	Piston	
9	N.S.S.	1	Wiper	
10	N.S.S.	1	Seal	
11	N.S.S.	1	Back-Up Ring	
12	N.S.S.	1	O-Ring	
13	N.S.S.	2	Wear Ring	
14	N.S.S.	1	O-Ring	
15	N.S.S.	2	Wear Ring	
16	N.S.S.	1	O-Ring	
17	N.S.S.	1	Piston Seal	
Ref	P32300	1	Seal Kit (Includes Items 9-17)	
		Ref	N.S.S. = Not Sold Separately.	

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FIGURE 5-12. HOIST CYLINDER ASSEMBLY (644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 101 to Present; 644B-42 SN 101 through 1619, SN 16152 through 16439; 844C-42 SN 101 through 3969, SN 16038 through 16439; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present; 8K-42 SN 101 to Present)



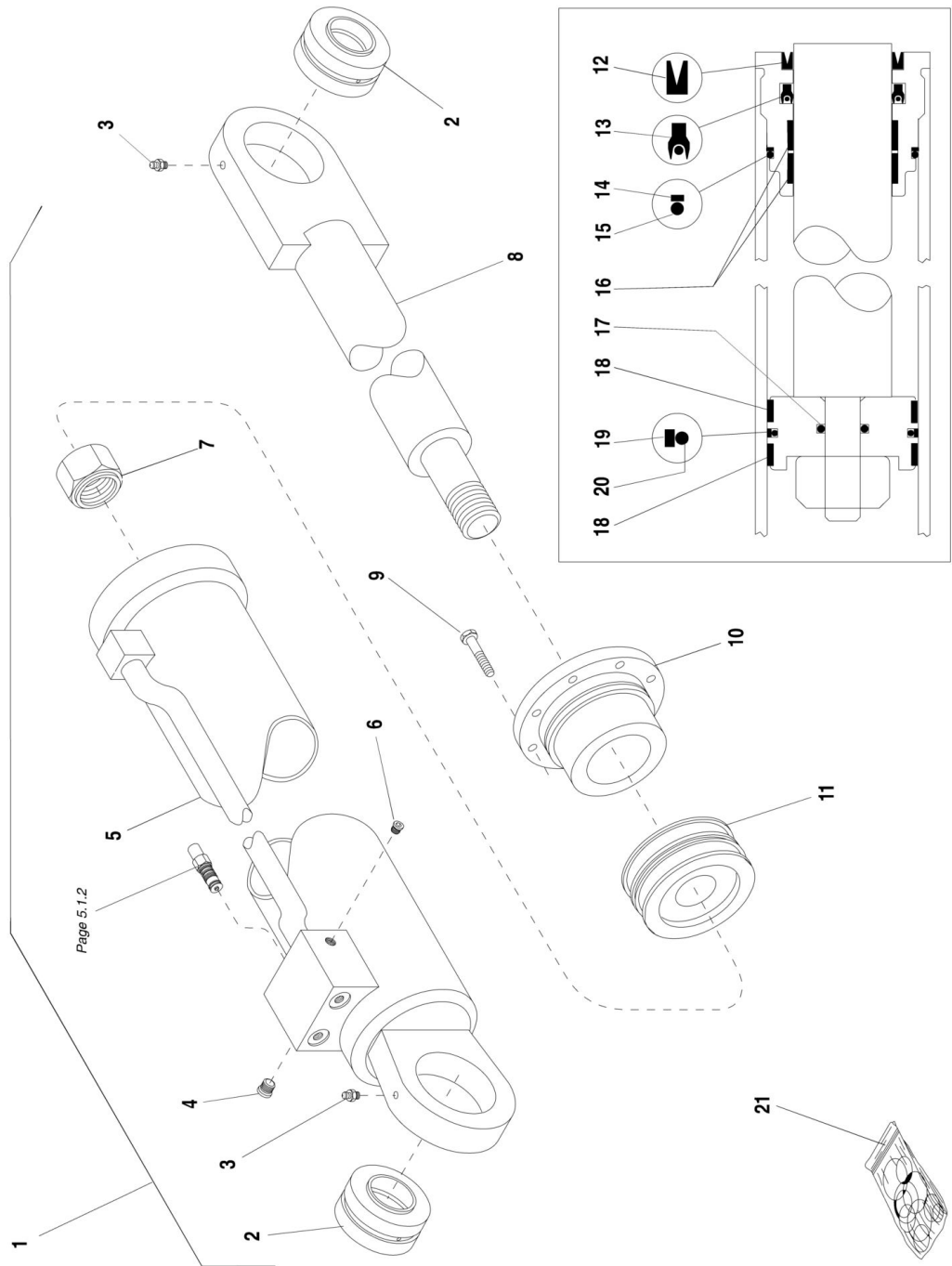
SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-12. HOIST CYLINDER ASSEMBLY (644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 101 to Present; 644B-42 SN 101 through 1619, SN 16152 through 16439; 844C-42 SN 101 through 3969, SN 16038 through 16439; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present; 8K-42 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	34812B	-	Cylinder Assembly, Hoist	
2	P18830	2	Bushing, Self-Aligned	
3	P16611	2	Grease Fitting	
4	P27937	1	O-Ring Plug, Hollow Hex	
5	P30616	1	Barrel Weldment	
6	P27933	1	O-Ring Plug, Hollow Hex	
7	P40460	1	Nut, Crownlock	
8	P30637	1	Rod Weldment	
9	P00481	8	Capscrew, Hx, 1/2in-20 x 1-1/2in GR8	
10	P30673	1	Head, Rod Bearing	
11	P29878	1	Piston	
12	N.S.S.	1	Wiper	
13	N.S.S.	1	Seal	
14	N.S.S.	1	Back-Up Ring	
15	N.S.S.	1	O-Ring	
16	N.S.S.	2	Wear Ring	
17	N.S.S.	1	O-Ring	
18	N.S.S.	2	Wear Ring	
19	N.S.S.	1	O-Ring	
20	N.S.S.	1	Piston Seal	
Ref	P30652	1	Seal Kit (Includes Items 12-20)	
		Ref	N.S.S. = Not Sold Separately.	

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FIGURE 5-13. HOIST CYLINDER ASSEMBLY (1044C-42,1044C-54,10K-42,10K-54) (1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)



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FIGURE 5-13. HOIST CYLINDER ASSEMBLY (1044C-42,1044C-54,10K-42,10K-54) (1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1102042	NLA	Cyl Assy, Hoist (includes item 8), (must be replaced as a set of 2717042)	
1	34841B	NLA	Cyl Assy, Hoist, (must be replaced by a set of 2717042)	
1	34826B	NLA	Cylinder Assembly, Hoist (must be replaced by a set of 2717042)	
2	P18830	2	Bushing, Self-Aligned	
3	P16611	2	Grease Fitting	
4	P27937	1	O-Ring Plug, Hollow Hex	
5	P32250	1	Barrel Weldment	
6	P27933	1	O-Ring Plug, Hollow Hex	
7	P40461	1	Nut, Crownlock	
8	7026588	1	Rod Weldment, (for 1102042 cylinder)	
8	P32266	1	Rod Weldment (for 34841B cylinder)	
8	P32263	-	Rod Weldment (for 34826B cylinder) (Note: Used for (1044C-42 S/N 101 through 113, 1044C-54 S/N 101 through 131, 10K-42 S/N 101 through 106 & 10K-54 S/N 101 through 102))	
9	P00432	12	Capscrew, Hx, 1/2in-13 x 1-3/4in, GR8	
10	P32282	1	Head, Rod Bearing	
11	P29877	1	Piston	
12	N.S.S.	1	Wiper	
13	N.S.S.	1	Seal	
14	N.S.S.	1	Back-Up Ring	
15	N.S.S.	1	O-Ring	
16	N.S.S.	2	Wear Ring	
17	N.S.S.	1	O-Ring	
18	N.S.S.	2	Wear Ring	
19	N.S.S.	1	Piston Seal	
20	N.S.S.	1	O-Ring	
21	1102043	1	Seal Kit, (for cylinder 1102042), (includes item 12-20)	
21	P32301	1	Seal Kit (Includes Items 12-20)	
		Ref	N.S.S. = Not Sold Separately.	

**FIGURE 5-14. TRANSFER HYDRAULIC CIRCUIT (1044C-42,1044C-54,644B-37,644B-42,844C-42)
(644B-37 SN 101 through 666, Excluding 591; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621; 1044C-42 SN 101 through 116; 1044C-54 SN 101 through 154)**



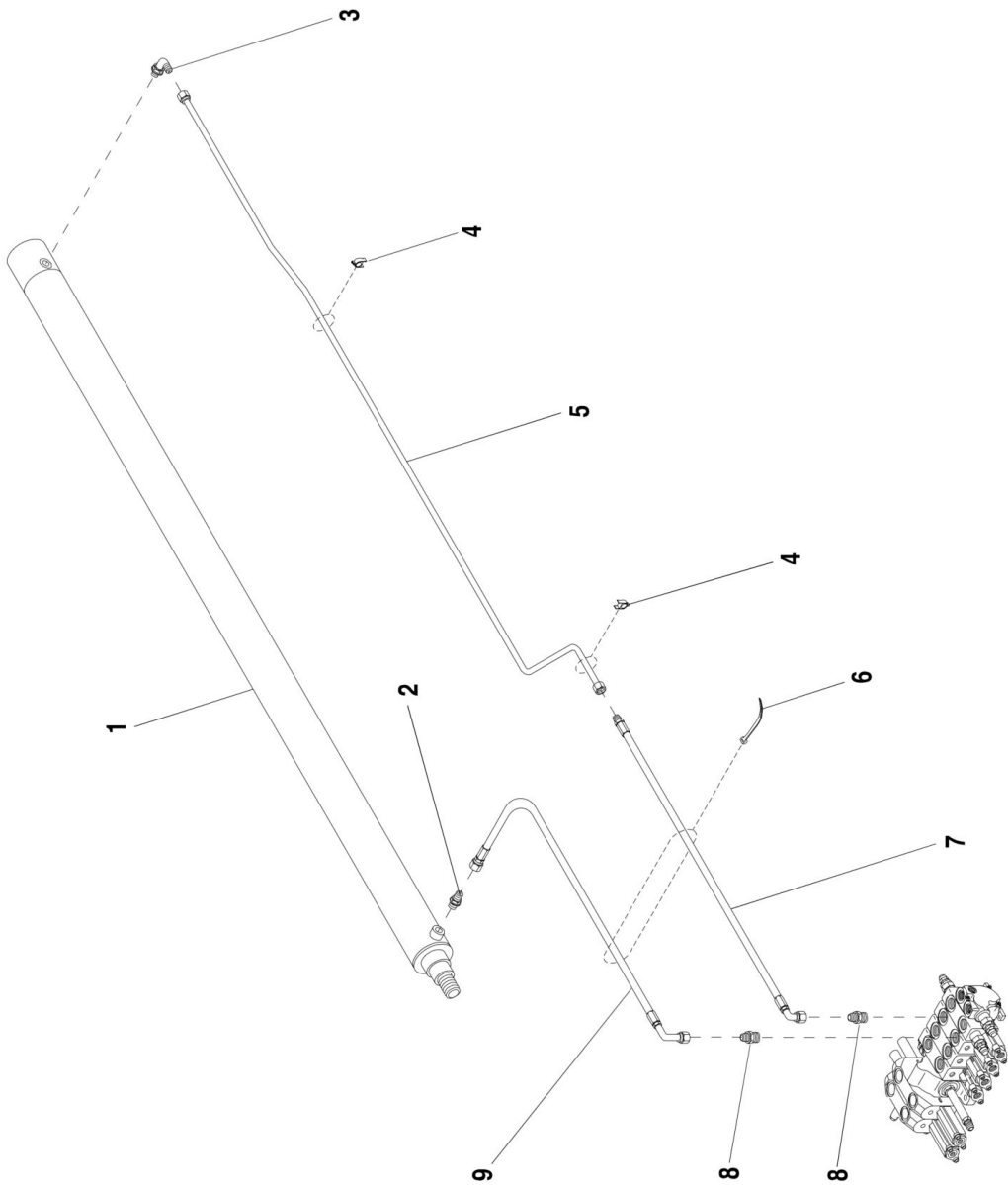
SECTION 5 - BOOM AND TRANSFER HYDRAULICS

**FIGURE 5-14. TRANSFER HYDRAULIC CIRCUIT (1044C-42,1044C-54,644B-37,644B-42,844C-42)
(644B-37 SN 101 through 666, Excluding 591; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621; 1044C-42 SN 101 through 116; 1044C-54 SN 101 through 154)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	34829B	1	Cylinder, Transfer (Replaces 34814B) (See TRANSFER CYLINDER ASSEMBLY for Breakdown)	
2	P18944	1	Connector, O-Ring	
3	P18956	1	90, Elbow, O-Ring	
4	P20467	2	Clamp, Cushion	
5	36322B	1	Hyd Tube, 1/2in O.D.	
6	P20496	2	Cable Tie	
7	37264X	1	Hyd Hose, 3/8in x 78in	
8	P15406	2	Connector, O-Ring	
9	37265X	1	Hyd Hose, 3/8in x 78in	

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FIGURE 5-15. TRANSFER HYDRAULIC CIRCUIT (1044C-42,1044C-54,644B-37,644B-42,844C-42)
(644B-37 SN 667 to Present, Including 591; 644B-42 SN 208 to Present; 844C-42 SN 208 to Present,
SN 622 to Present; 1044C-42 SN 117 to Present; 1044C-54 SN 155 to Present)



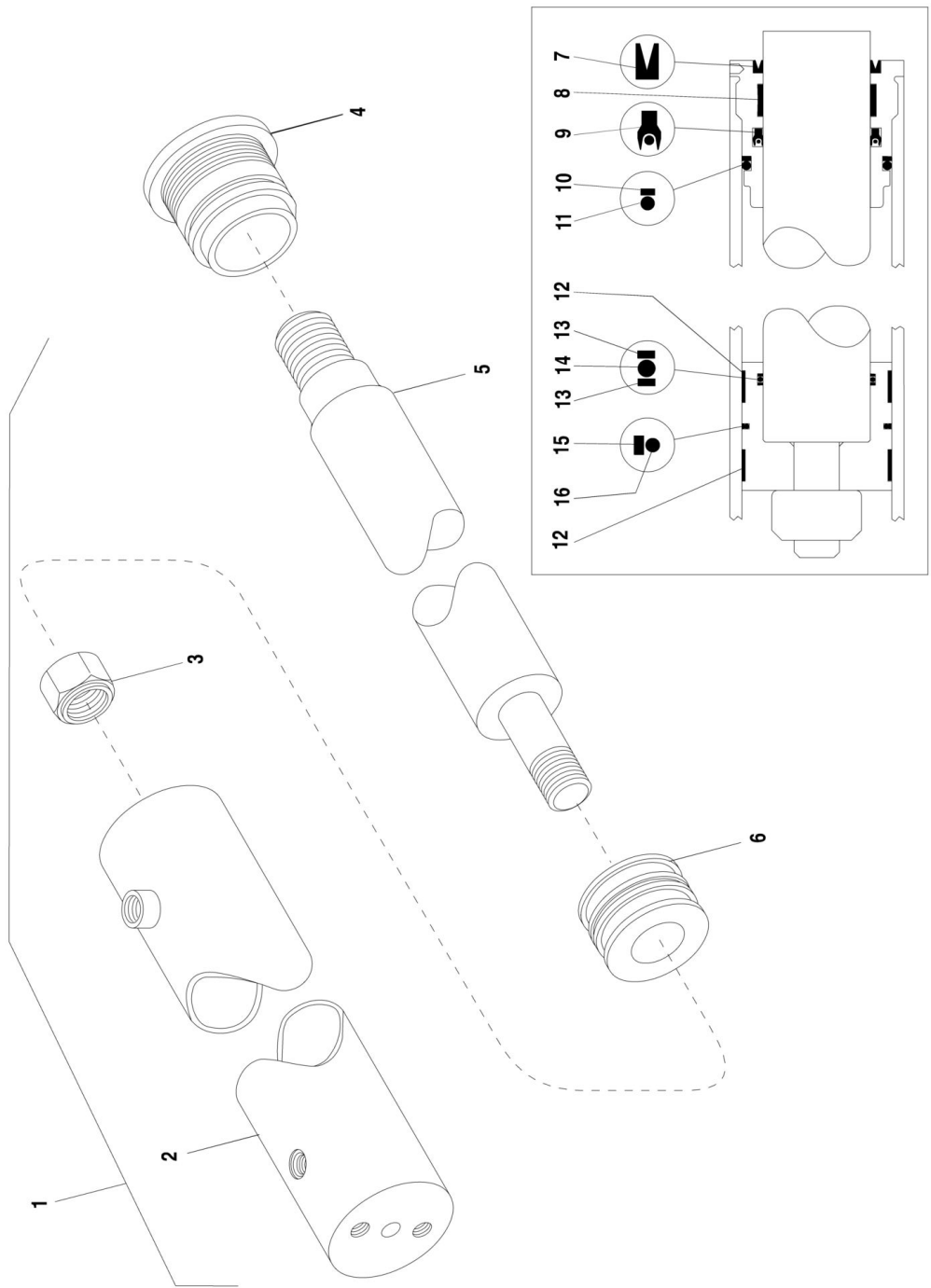
SECTION 5 - BOOM AND TRANSFER HYDRAULICS

**FIGURE 5-15. TRANSFER HYDRAULIC CIRCUIT (1044C-42,1044C-54,644B-37,644B-42,844C-42)
(644B-37 SN 667 to Present, Including 591; 644B-42 SN 208 to Present; 844C-42 SN 208 to Present,
SN 622 to Present; 1044C-42 SN 117 to Present; 1044C-54 SN 155 to Present)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	34829B	1	Cylinder, Transfer (See TRANSFER CYLINDER ASSEMBLY for Breakdown)	
2	P18944	1	Connector, O-Ring	
3	P18956	1	90, Elbow, O-Ring	
4	P20467	2	Clamp, Cushion	
5	36322B	1	Hyd Tube, 1/2in O.D.	
6	P20496	2	Cable Tie	
7	37264X	1	Hyd Hose, 3/8in x 78in	
8	P15406	2	Connector, O-Ring	
9	37629X	1	Hyd Hose, 3/8in x 81in	

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FIGURE 5-16. TRANSFER CYLINDER ASSEMBLY (1044C-42,1044C-54,644B-37,644B-42,844C-42)
(644B-37 SN 101 through 433; 644B-42 SN 101 through 130; 844C-42 SN 101 through 328, Except SN
324 through 325; 1044C-42 SN 101 through 109; 1044C-54 SN 101 through 108)



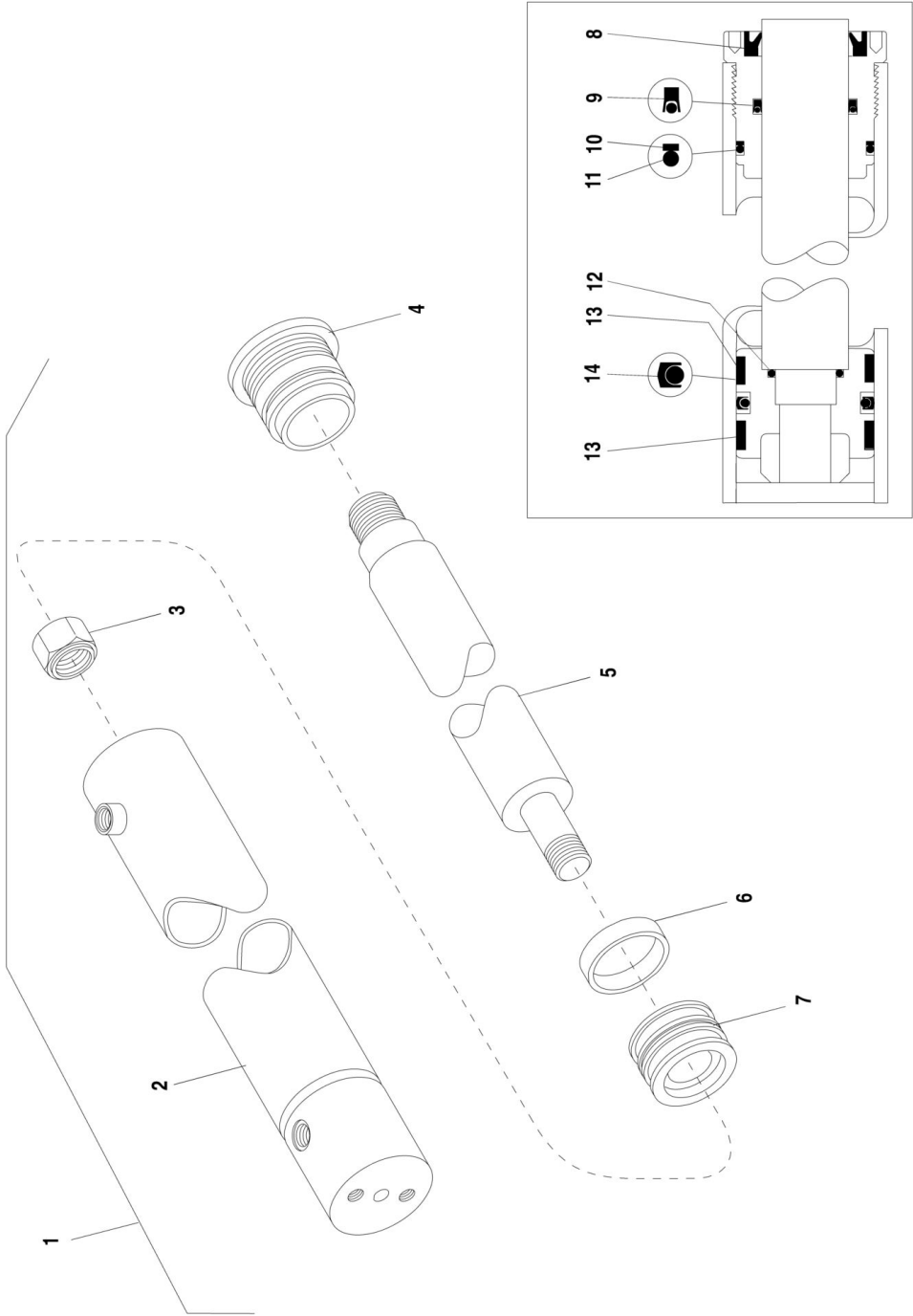
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**FIGURE 5-16. TRANSFER CYLINDER ASSEMBLY (1044C-42,1044C-54,644B-37,644B-42,844C-42)
(644B-37 SN 101 through 433; 644B-42 SN 101 through 130; 844C-42 SN 101 through 328, Except SN
324 through 325; 1044C-42 SN 101 through 109; 1044C-54 SN 101 through 108)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	N.L.A.	-	Cylinder Assembly, Transfer (Note: Use 34829B For Replacment (See TRANSFER CYLINDER ASSEMBLY for Breakdown))	
2	P30612	1	Barrel Weldment	
3	P40459	1	Nut, Crownlock	
4	P30671	1	Head, Rod Bearing	
5	P30643	1	Rod	
6	P30648	1	Piston	
7	N.S.S.	1	Wiper	
8	N.S.S.	1	Wear-Ring	
9	N.S.S.	1	Seal	
10	N.S.S.	1	Back-Up Ring	
11	N.S.S.	1	O-Ring	
12	N.S.S.	2	Wear Ring	
13	N.S.S.	2	Wear Ring	
14	N.S.S.	1	O-Ring	
15	N.S.S.	1	Piston Seal	
16	N.S.S.	1	O-Ring	
Ref	P30655	1	Seal Kit (Includes Items 7-16)	
		Ref	N.S.S. = Not Sold Separately.	

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FIGURE 5-17. TRANSFER CYLINDER ASSEMBLY (1044C-42,1044C-54,644B-37,644B-42,844C-42)
(644B-37 SN 434 to Present; 644B-42 SN 131 to Present; 844C-42 SN 324 through 325, SN 329 to Present; 1044C-42 SN 110 to Present; 1044C-54 SN 109 to Present)



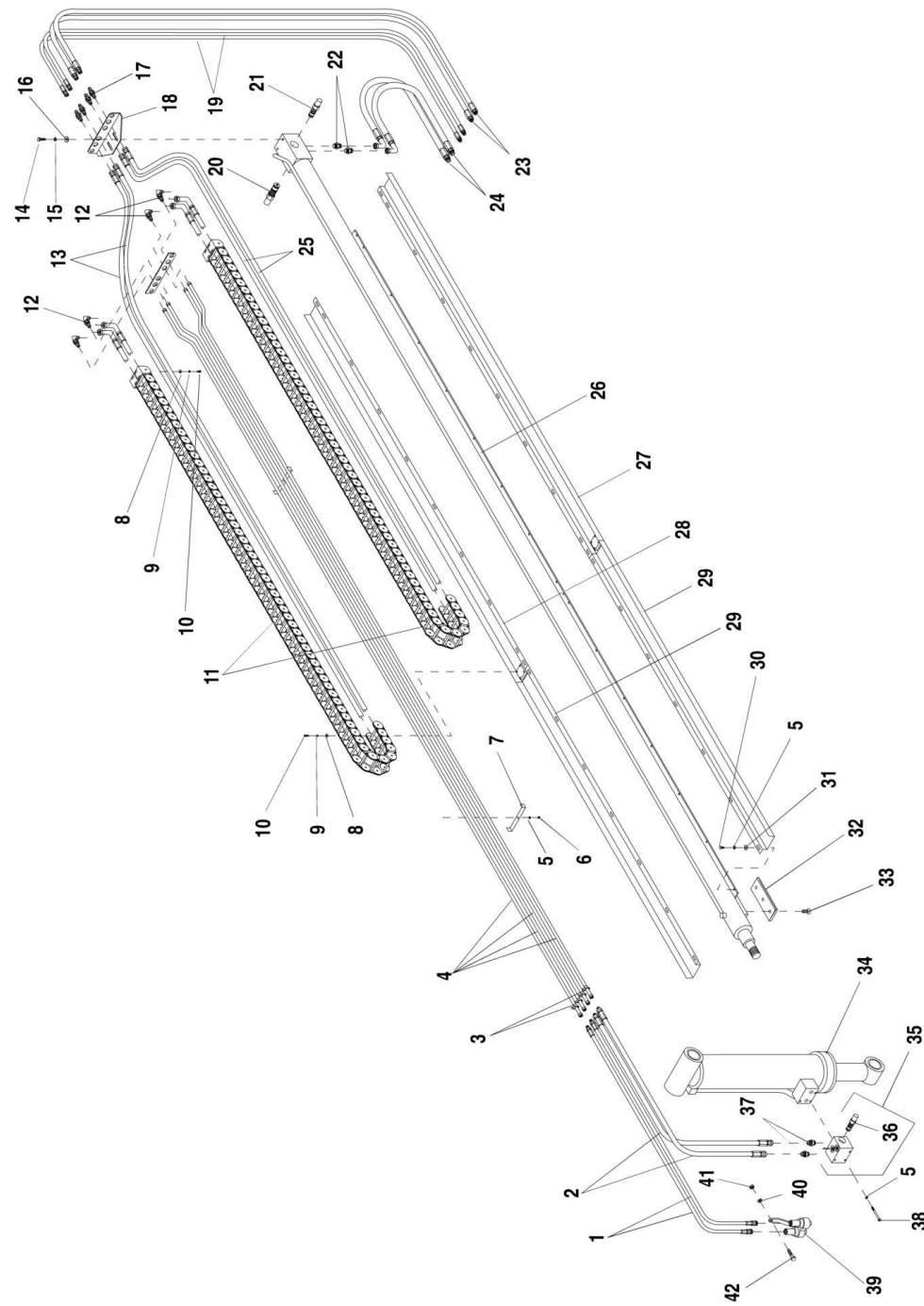
SECTION 5 - BOOM AND TRANSFER HYDRAULICS

**FIGURE 5-17. TRANSFER CYLINDER ASSEMBLY (1044C-42,1044C-54,644B-37,644B-42,844C-42)
(644B-37 SN 434 to Present; 644B-42 SN 131 to Present; 844C-42 SN 324 through 325, SN 329 to Present; 1044C-42 SN 110 to Present; 1044C-54 SN 109 to Present)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1102022	-	Cylinder Assembly, Transfer	
2	P32240	1	Barrel Weldment	
3	P19217	1	Nut, Crownlock	
4	P32333	1	Head, Rod Bearing	
5	P32318	1	Rod	
6	P32341	1	Stroke Limiter	
7	P32336	1	Piston	
8	N.S.S.	1	Wiper	
9	N.S.S.	1	Seal	
10	N.S.S.	1	Back-Up Ring	
11	N.S.S.	1	O-Ring	
12	N.S.S.	1	O-Ring	
13	N.S.S.	1	Wear Ring	
14	N.S.S.	1	Piston Seal	
Ref	1102019	1	Seal Kit (Includes Items 8-14)	
		Ref	N.S.S. = Not Sold Separately.	

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FIGURE 5-18. BOOM HYDRAULIC CIRCUIT (2-SECTION) (644B-37) (644B-37 SN 101 through 353)



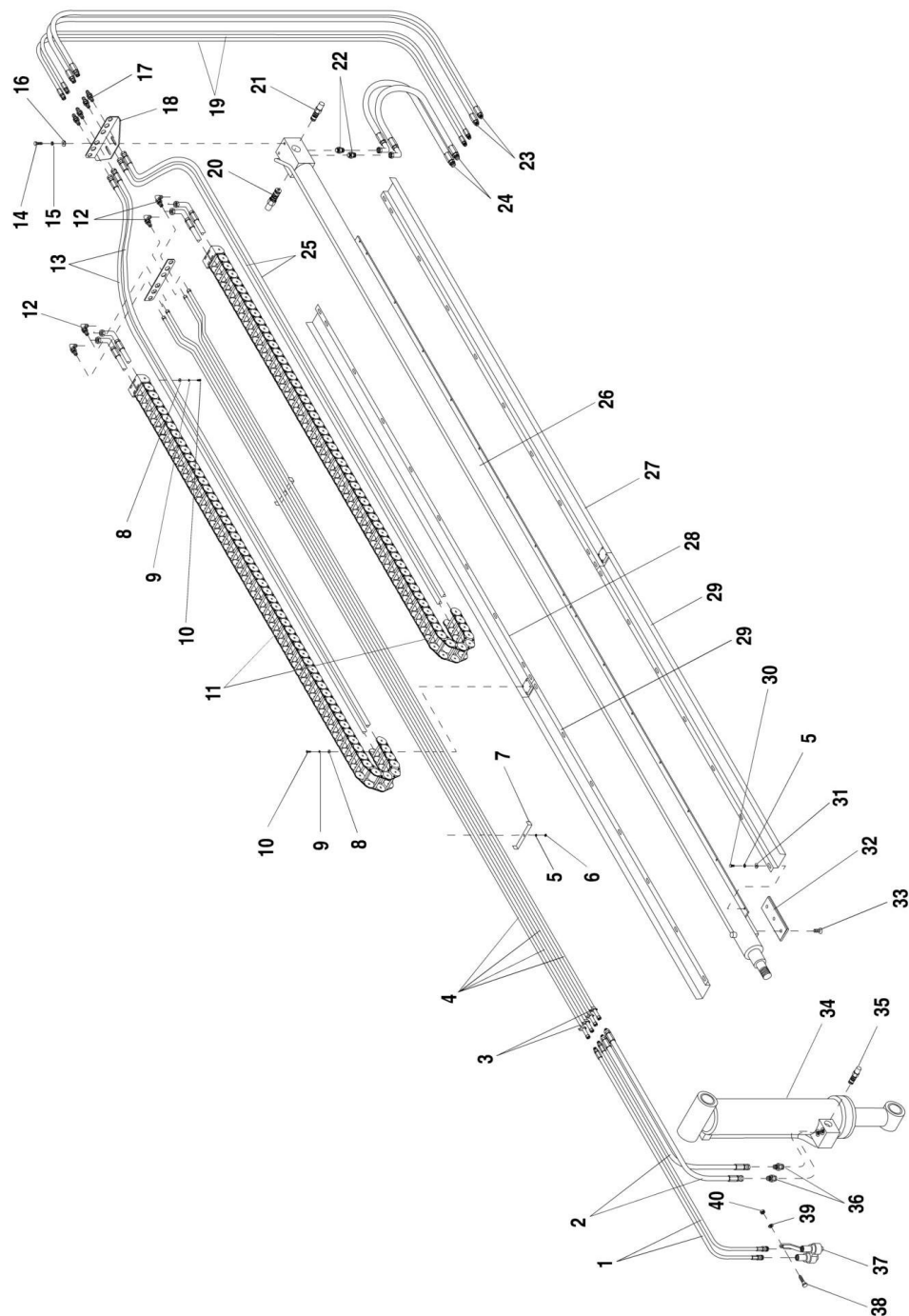
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FIGURE 5-18. BOOM HYDRAULIC CIRCUIT (2-SECTION) (644B-37) (644B-37 SN 101 through 353)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	37180X	2	Hyd Hose, 1/2in	
2	37179X	2	Hyd Hose, 5/8in	
3	91083217	4	Clamp, Cushion	
4	38034B	4	Hyd Tube, 5/8in O.D.	
5	P01309	39	Lockwasher, 5/16in	
6	P01507	2	Nut, Hx, 5/16in-18	
7	26329A	2	Tube Clamp	
8	P01402	16	Flatwasher, 1/4in	
9	P01308	16	Lockwasher, 1/4in	
10	P03194	16	Capscrew, Button Hd Socket, 1/4in-20 x 1/2in	
11	P28526	2	Hose Carrier	
11	37756X	1	Repair Kit, Hose Carrier	
11	36912X	1	Roller Replacement Kit	
12	P27394	4	90, Elbow, Bulkhead	
13	37600X	2	Hyd Hose, 1/2in (Replaces P28614)	
14	P00202	2	Capscrew, Hx, 3/8in-16 x 3/4in	
15	P01310	2	Lockwasher, 3/8in	
16	P01404	2	Flatwasher, 3/8in	
17	P18949	4	Connector, Bulkhead	
18	26326A	1	Bracket, Tube Mount	
19	37198X	2	Hyd Hose, 1/2in	
20	P27827	1	Cartridge, Counterbalance Valve	
20	P40491	1	Seal Kit	
21	P29947	1	Cartridge, Counterbalance Valve	
21	2900770	1	Seal Kit	
22	P23901	2	Connector, O-Ring	
23	37190X	2	Hyd Hose, 5/8in	
24	37168X	2	Hyd Hose, 3/4in	
25	37549X	2	Hyd Hose, 5/8in (Replaces 37199X)	
26	34832B	1	Cylinder, Boom Extension (See BOOM EXTENSION CYLINDER ASSEMBLY (2-SECTION) for Breakdown)	
27	30728A	1	Hose Tray, Rear - L.H.	
28	30727A	1	Hose Tray, Rear - R.H.	
29	30725B	2	Hose Tray, Front	
30	P00101	34	Capscrew, Hx, 5/16in-18 x 5/8in	
31	P01403	34	Flatwasher, 5/16in	
32	35483A	1	Slide Plate, Boom Extension Cylinder (Note: Use 26320A for S/N 137 through 159)	
33	P03114	3	Screw, Flat Hd Socket, 1/2in-13 x 3/4in	
34	34835B	1	Cylinder, Front Carriage Tilt (Replaces 34820B) (See FRONT CARRIAGE TILT CYLINDER ASSEMBLY for Breakdown)	
35		Ref	Counterbalance Valve	
36	P29947	1	Cartridge, Counterbalance Valve	
36	P40484	1	Seal Kit for Items 35 & 36	
37	P15406	2	Connector, O-Ring	
38	P00112	3	Capscrew, Hx, 5/16in-18 x 3in	
39	P29348	1	Quick Coupler (Includes dust caps and male connectors)	
40	P01312	1	Lockwasher, 1/2in	
41	P01510	1	Nut, Hx, 1/2in-13	
42	P00404	1	Capscrew, Hx, 1/2in-13 x 1-1/2in	

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FIGURE 5-19. BOOM HYDRAULIC CIRCUIT (2-SECTION) (644B-37) (644B-37 SN 354 to Present)



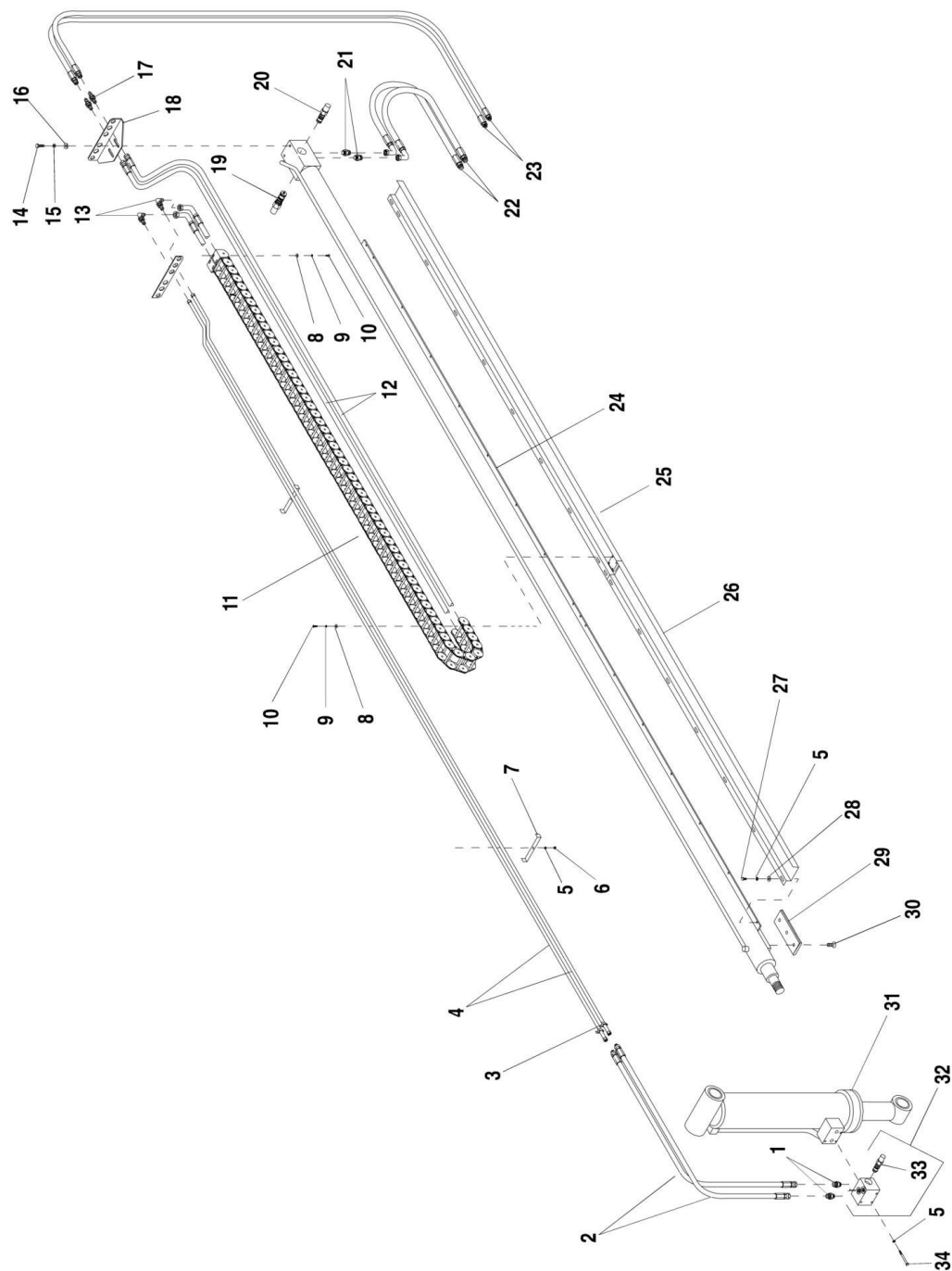
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FIGURE 5-19. BOOM HYDRAULIC CIRCUIT (2-SECTION) (644B-37) (644B-37 SN 354 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	37859X	2	Hyd Hose, 1/2in (Note: For S/N 101 through 1107 Use 37180X)	
2	37179X	2	Hyd Hose, 5/8in	
3	91083217	4	Clamp, Cushion	
4	38034B	4	Hyd Tube, 5/8in O.D.	
5	P01309	36	Lockwasher, 5/16in	
6	P01507	2	Nut, Hx, 5/16in-18	
7	26329A	2	Tube Clamp	
8	P01402	16	Flatwasher, 1/4in	
9	P01308	16	Lockwasher, 1/4in	
10	P03194	16	Capscrew, Button Hd Socket, 1/4in-20 x 1/2in	
11	P28526	2	Hose Carrier	
11	37756X	1	Repair Kit, Hose Carrier	
11	36912X	1	Roller Replacement Kit	
12	P27394	4	90, Elbow, Bulkhead	
13	37600X	2	Hyd Hose, 1/2in (Replaces P28614)	
14	P00202	2	Capscrew, Hx, 3/8in-16 x 3/4in	
15	P01310	2	Lockwasher, 3/8in	
16	P01404	2	Flatwasher, 3/8in	
17	P18949	4	Connector, Bulkhead	
18	26326A	1	Bracket, Tube Mount	
19	37198X	2	Hyd Hose, 1/2in	
20	P27827	1	Cartridge, Counterbalance Valve	
20	P40491	1	Seal Kit for Item 20	
21	P29947	1	Cartridge, Counterbalance Valve	
21	2900770	1	Seal Kit for Item 21	
22	P23901	2	Connector, O-Ring	
23	37190X	2	Hyd Hose, 5/8in	
24	37168X	2	Hyd Hose, 3/4in	
25	37549X	2	Hyd Hose, 5/8in (Replaces 37199X)	
26	34832B	1	Cylinder, Boom Extension (See BOOM EXTENSION CYLINDER ASSEMBLY (2-SECTION) for Breakdown)	
27	30728A	1	Hose Tray, Rear - L.H.	
28	30727A	1	Hose Tray, Rear - R.H.	
29	30725B	2	Hose Tray, Front	
30	P00101	34	Capscrew, Hx, 5/16in-18 x 5/8in	
31	P01403	34	Flatwasher, 5/16in	
32	35483A	1	Slide Plate, Boom Extension Cylinder	
33	P03114	3	Screw, Flat Hd Socket, 1/2in-13 x 3/4in	
34	34835B	1	Cylinder, Front Carriage Tilt (See FRONT CARRIAGE TILT CYLINDER ASSEMBLY for Breakdown)	
35	P29947	1	Cartridge, Counterbalance Valve	
35	2900770	1	Seal Kit for Item 35	
36	P15406	2	Connector, O-Ring	
37	66347B	1	Quick Coupler (Incl dust caps and male connectors) (Note: For S/N 101 through 1107 Use P29348)	
38	P00404	1	Capscrew, Hx, 1/2in-13 x 1-1/2in	
39	P01312	1	Lockwasher, 1/2in	
40	P01510	1	Nut, Hx, 1/2in-13	

SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-20. BOOM HYDRAULIC CIRCUIT (2-SECTION) (Including)



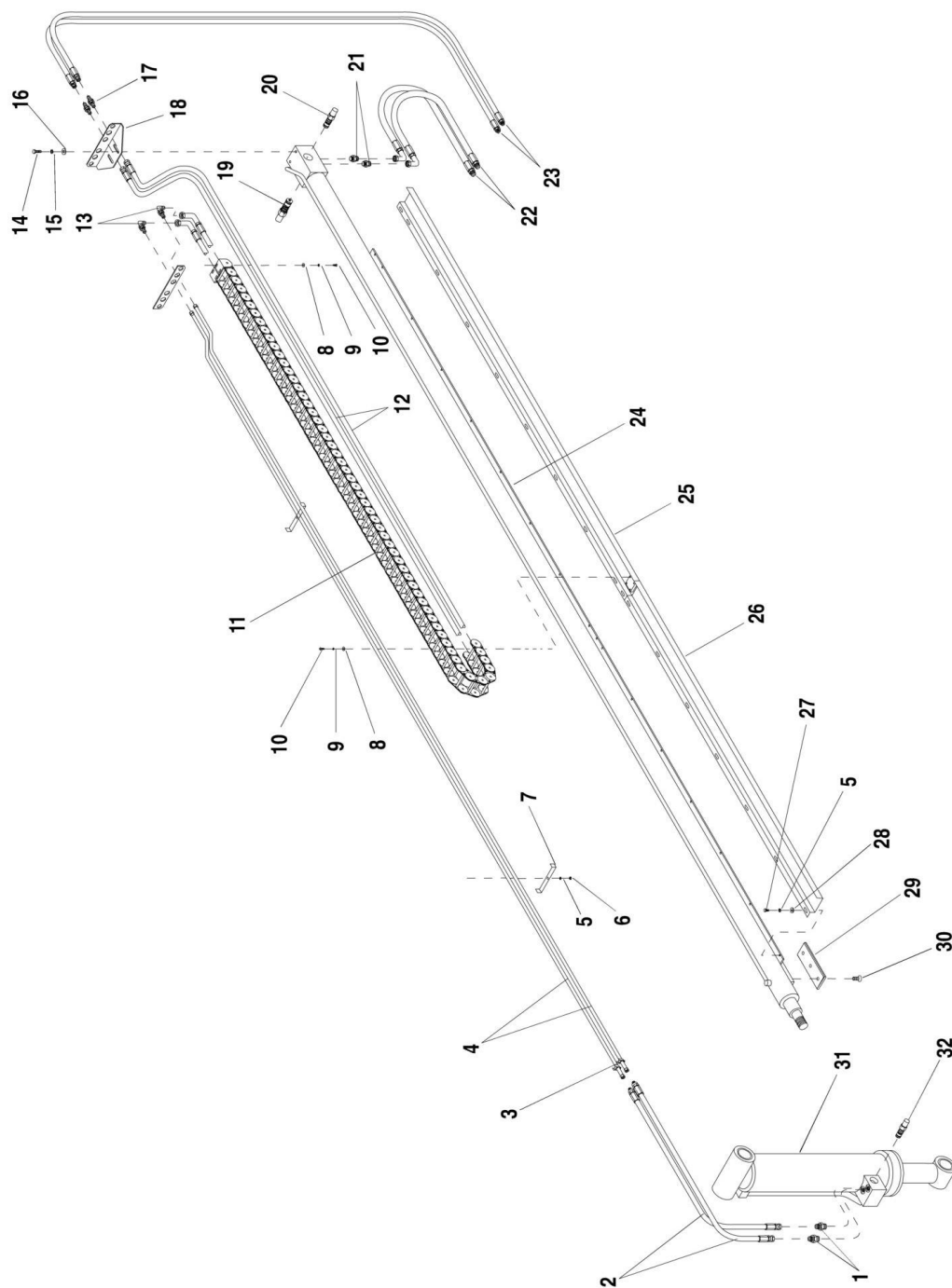
SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-20. BOOM HYDRAULIC CIRCUIT (2-SECTION) (Including)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P15406	2	Connector, O-Ring	
2	37179X	2	Hyd Hose, 5/8in	
3	91083217	2	Clamp, Cushion	
4	38034B	2	Hyd Tube, 5/8in	
5	P01309	22	Lockwasher, 5/16in	
6	P01507	2	Nut, Hx, 5/16in-18	
7	26329A	2	Tube Clamp	
8	P01402	8	Flatwasher, 1/4in	
9	P01308	8	Lockwasher, 1/4in	
10	P03194	8	Capscrew, Button Hd Socket, 1/4in-20 x 1/2in	
11	P28526	1	Hose Carrier	
11	37756X	1	Repair Kit, Hose Carrier	
11	36912X	1	Roller Replacement Kit	
12	37549X	2	Hyd Hose, 5/8in (Replaces 37199X)	
13	P27394	2	90, Elbow, Bulkhead	
14	P00202	2	Capscrew, Hx, 3/8in-16 x 3/4in	
15	P01310	2	Lockwasher, 3/8in	
16	P01404	2	Flatwasher, 3/8in	
17	P18949	2	Connector, Bulkhead	
18	26326A	1	Bracket, Tube Mount	
19	P27827	1	Cartridge, Counterbalance Valve	
19	P40491	1	Seal Kit for Item 19	
20	P29947	1	Cartridge, Counterbalance Valve	
20	2900770	1	Seal Kit for Item 20	
21	P23901	2	Connector, O-Ring	
22	37168X	2	Hyd Hose, 3/4	
23	37190X	2	Hyd Hose, 5/8in	
24	34819B	1	Cylinder, Boom Extension (2.25in Dia Rod) (See BOOM EXTENSION CYLINDER ASSEMBLY (2-SECTION) for Breakdown) (Note: Used Early Production)	
24	34832B	1	Cylinder, Boom Extension (2.00in Dia Rod) (See BOOM EXTENSION CYLINDER ASSEMBLY (2-SECTION) for Breakdown)	
25	30728A	1	Hose Tray, Rear - L.H.	
26	30725B	1	Hose Tray, Front	
27	P00101	17	Capscrew, Hx, 5/16in-18 x 5/8in	
28	P01403	17	Flatwasher, 5/16in	
29	35483A	1	Slide Plate, Boom Extension Cylinder (Note: For S/N 126 through 131, use 26320A)	
30	P03114	3	Screw, Flat Hd Socket, 1/2in-13 x 3/4in	
31	34820B	1	Cylinder, Front Carriage Tilt (See Page FRONT CARRIAGE TILT CYLINDER ASSEMBLY for Breakdown)	
32	P28052	1	Counterbalance Valve	
33	P29947	1	Cartridge, Counterbalance Valve	
33	2900770	1	Seal Kit for Item 32 & 33	
34	P00112	3	Capscrew, Hx, 5/16in-18 x 3in	

SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-21. BOOM HYDRAULIC CIRCUIT (2-SECTION)



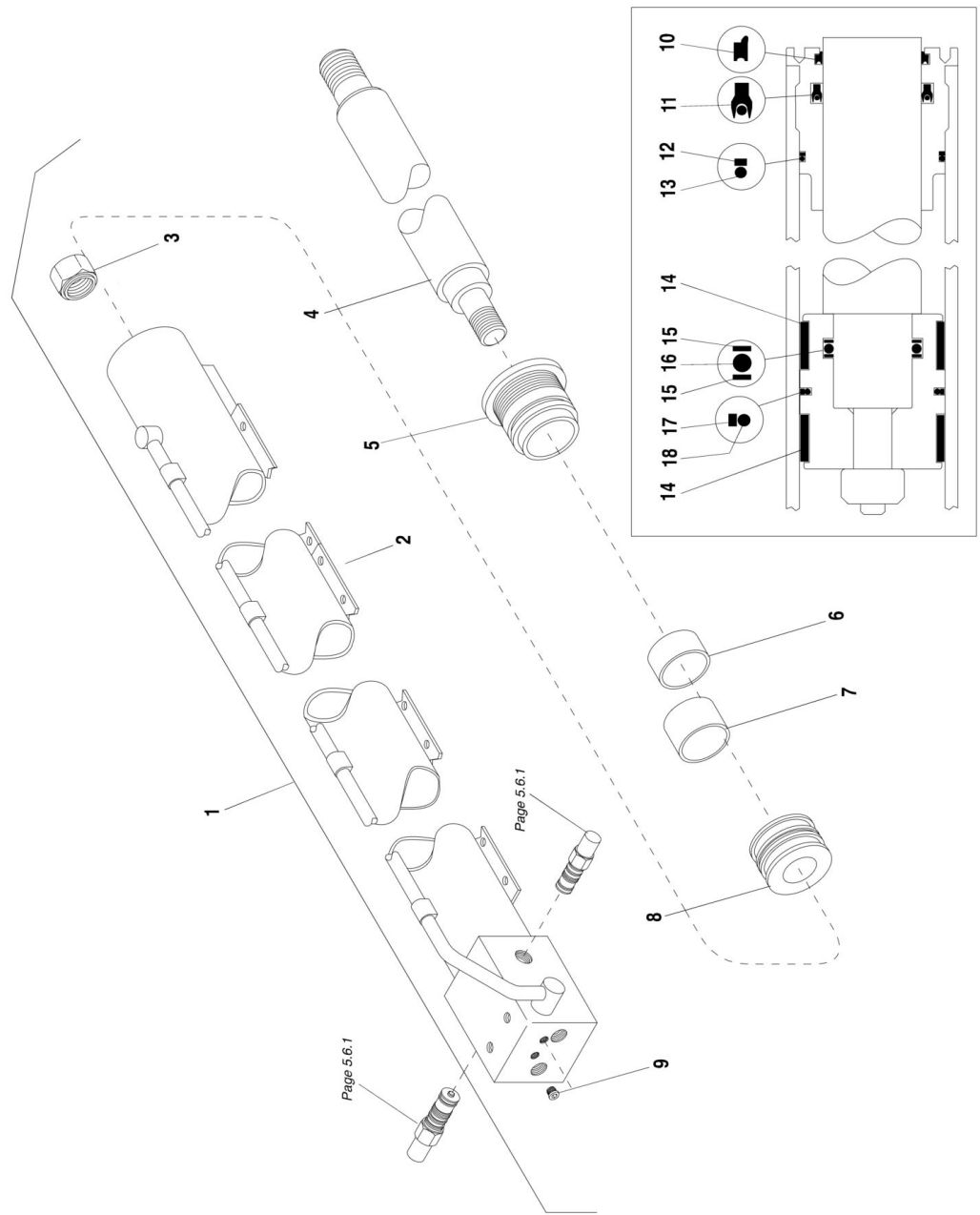
SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-21. BOOM HYDRAULIC CIRCUIT (2-SECTION)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P15406	2	Connector, O-Ring	
2	37179X	2	Hyd Hose, 5/8in	
3	91083217	2	Clamp, Cushion	
4	38034B	2	Hyd Tube, 5/8in	
5	P01309	22	Lockwasher, 5/16in	
6	P01507	2	Nut, Hx, 5/16in-18	
7	26329A	2	Tube Clamp	
8	P01402	8	Flatwasher, 1/4in	
9	P01308	8	Lockwasher, 1/4in	
10	P03194	8	Capscrew, Button Hd Socket, 1/4in-20 x 1/2in	
11	P28526	1	Hose Carrier	
11	37756X	1	Repair Kit, Hose Carrier	
11	36912X	1	Roller Replacement Kit	
12	37549X	2	Hyd Hose, 5/8in	
13	P27394	2	90, Elbow, Bulkhead	
14	P00202	2	Capscrew, Hx, 3/8in-16 x 3/4in	
15	P01310	2	Lockwasher, 3/8in	
16	P01404	2	Flatwasher, 3/8in	
17	P18949	2	Connector, Bulkhead	
18	26326A	1	Bracket, Tube Mount	
19	P27827	1	Cartridge, Counterbalance Valve	
19	P40491	1	Seal Kit for Item 19	
20	P29947	1	Cartridge, Counterbalance Valve	
20	2900770	1	Seal Kit for Item 20	
21	P23901	2	Connector, O-Ring	
22	37168X	2	Hyd Hose, 3/4in	
23	37190X	2	Hyd Hose, 5/8in	
24	34832B	1	Cylinder, Boom Extension (2.00in Dia Rod) (See BOOM EXTENSION CYLINDER ASSEMBLY (2-SECTION) for Breakdown)	
25	30728A	1	Hose Tray, Rear - L.H.	
26	30725B	1	Hose Tray, Front	
27	P00101	17	Capscrew, Hx, 5/16in-18 x 5/8in	
28	P01403	17	Flatwasher, 5/16in	
29	35483A	1	Slide Plate, Boom Extension Cylinder	
30	P03114	3	Screw, Flat Hd Socket, 1/2in-13 x 3/4in	
31	34820B	1	Cylinder, Front Carriage Tilt (See FRONT CARRIAGE TILT CYLINDER ASSEMBLY for Breakdown)	
32	P29947	1	Cartridge, Counterbalance Valve	
32	2900770	1	Seal Kit for Item 32	

SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-22. BOOM EXTENSION CYLINDER ASSEMBLY (2-SECTION) (644B-37,6K-37) (644B-37 SN 101 through 257; 6K-37 SN 101 through 169)



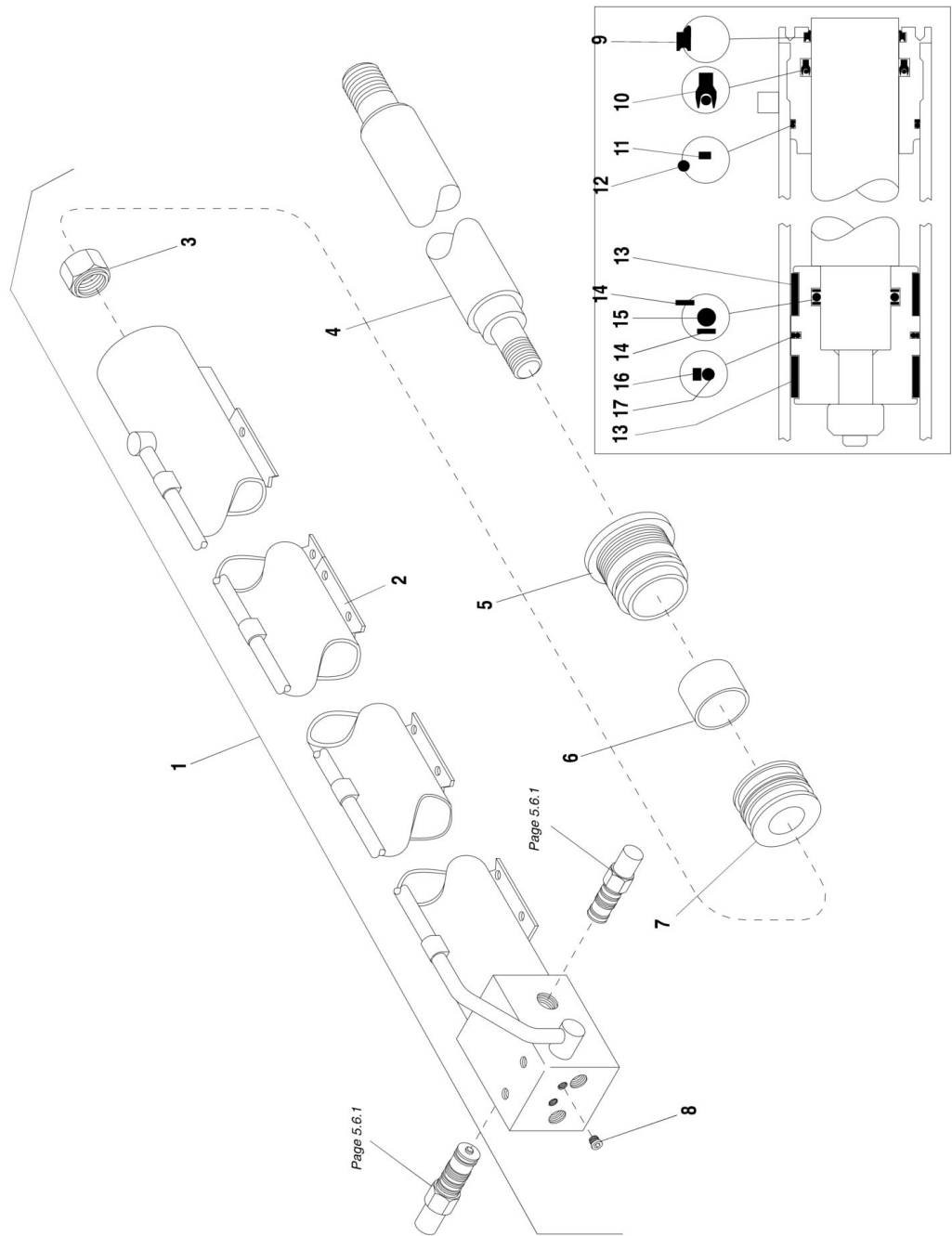
SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-22. BOOM EXTENSION CYLINDER ASSEMBLY (2-SECTION) (644B-37,6K-37) (644B-37 SN 101 through 257; 6K-37 SN 101 through 169)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	34819B	-	Cylinder Assembly, Boom Extension	
2	P29822	1	Barrel Weldment	
3	P40459	1	Nut, Crownlock	
4	P29864	1	Rod (2.25in Dia)	
5	P27881	1	Head, Rod Bearing	
6	P30687	1	Stroke Limiter	
7	P27859	1	Stroke Limiter	
8	P32273	1	Piston	
9	P27931	1	O-Ring Plug, Hollow Hex	
10	N.S.S.	1	Wiper	
11	N.S.S.	1	Seal	
12	N.S.S.	1	Back-Up Ring	
13	N.S.S.	1	O-Ring	
14	N.S.S.	2	Wear Ring	
15	N.S.S.	2	Back-Up Ring	
16	N.S.S.	1	O-Ring	
17	N.S.S.	1	Piston Seal	
18	N.S.S.	1	O-Ring	
Ref	P29900	1	Seal Kit (Includes Items 10-18)	
		Ref	N.S.S. = Not Sold Separately.	

SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-23. BOOM EXTENSION CYLINDER ASSEMBLY (2-SECTION) (644B-37,6K-37) (644B-37 SN 258 to Present; 6K-37 SN 170 to Present)



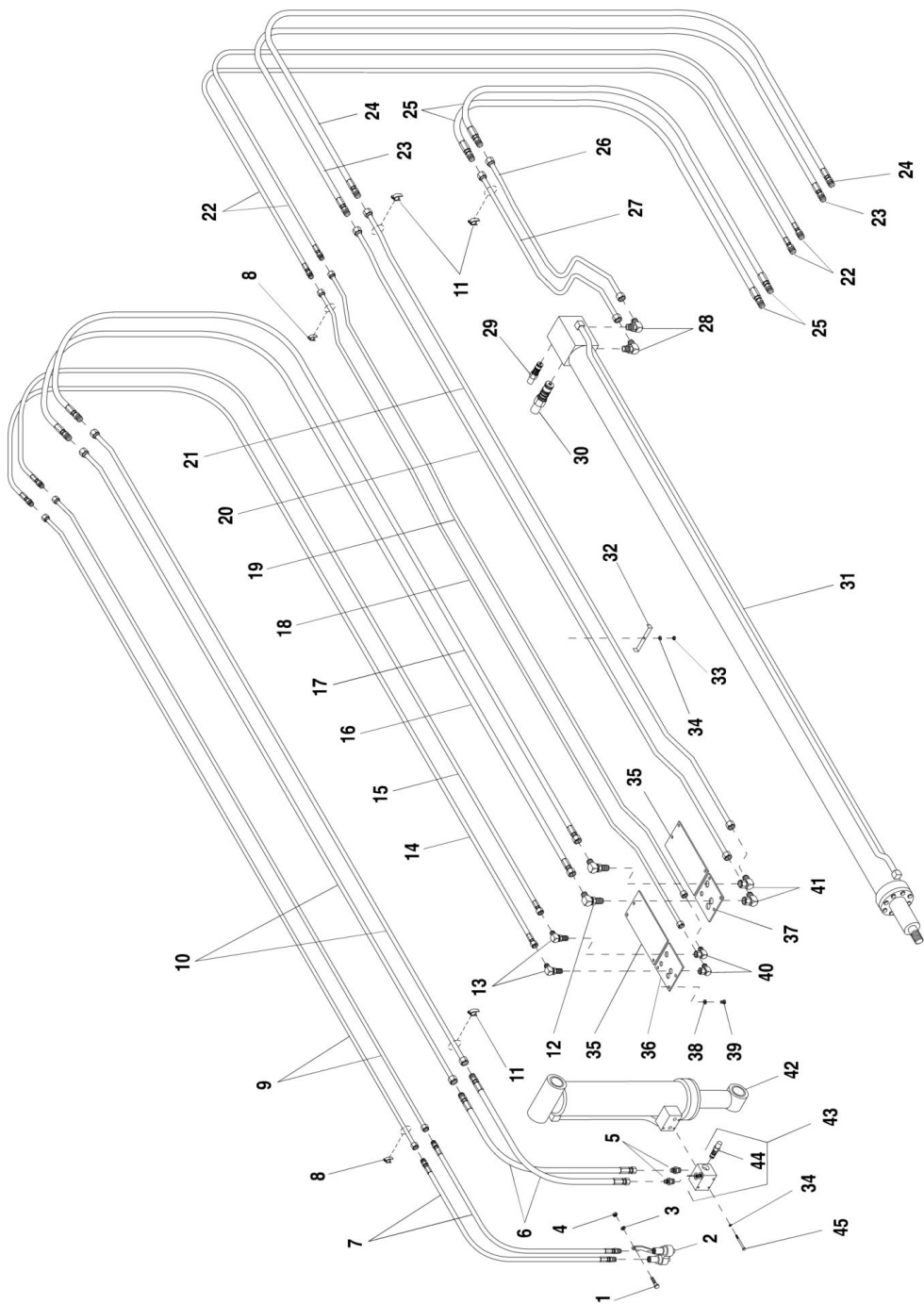
SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-23. BOOM EXTENSION CYLINDER ASSEMBLY (2-SECTION) (644B-37,6K-37) (644B-37 SN 258 to Present; 6K-37 SN 170 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	34832B	-	Cylinder Assembly, Boom Extension	
2	P29822	1	Barrel Weldment	
3	P40459	1	Nut, Crownlock	
4	P32265	1	Rod (2.00in Dia)	
5	P32279	1	Head, Rod Bearing	
6	P32293	1	Stroke Limiter	
7	P32273	1	Piston	
8	P27931	1	O-Ring Plug, Hollow Hex	
9	N.S.S.	1	Wiper	
10	N.S.S.	1	Seal	
11	N.S.S.	1	Back-Up Ring	
12	N.S.S.	1	O-Ring	
13	N.S.S.	2	Wear Ring	
14	N.S.S.	2	Back-Up Ring	
15	N.S.S.	1	O-Ring	
16	N.S.S.	1	Piston Seal	
17	N.S.S.	1	O-Ring	
Ref	P30656	1	Seal Kit (Includes Items 9-17)	
		Ref	N.S.S. = Not Sold Separately.	

SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-24. BOOM HYDRAULIC CIRCUIT (3-SECTION) (1044C-42,644B-42,844C-42) (644B-42 SN 101 through 115; 844C-42 SN 101 through 263; 1044C-42 SN 101 through 104)



SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-24. BOOM HYDRAULIC CIRCUIT (3-SECTION) (1044C-42,644B-42,844C-42) (644B-42 SN 101 through 115; 844C-42 SN 101 through 263; 1044C-42 SN 101 through 104)

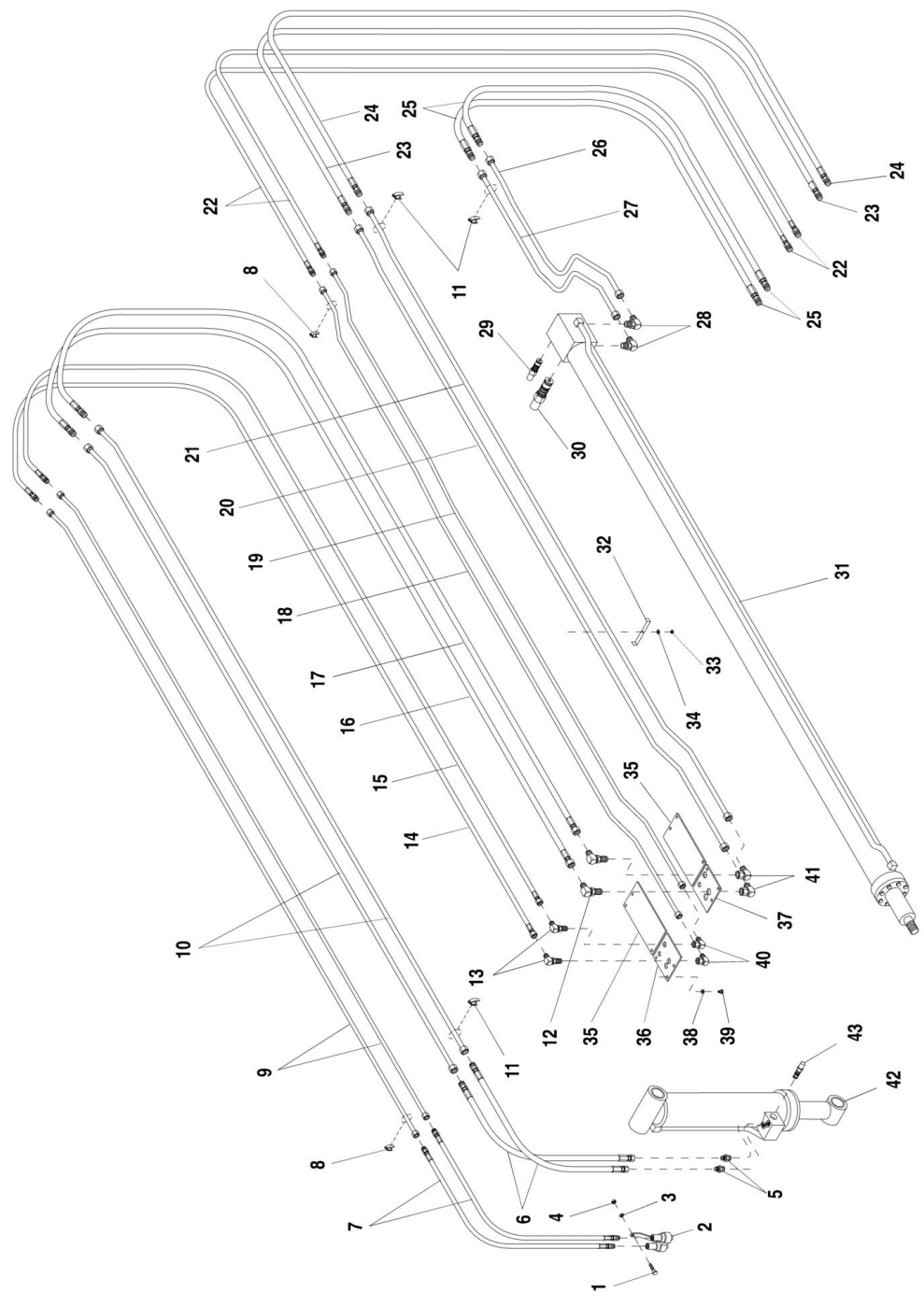
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P00404	1	Capscrew, Hx, 1/2in-13 1 x 1/2in	
2	P29348	1	Quick Coupler (Incl dust caps and male connectors)	
3	P01312	1	Lockwasher, 1/2in	
4	P01510	1	Nut, Hx, 1/2in-13	
5	P18964	2	Connector, O-Ring	
6	37185X	2	Hyd Hose	
7	37191X	2	Hyd Hose	
8	91083217	8	Clamp, Cushion	
9	36123B	2	Hyd Tube, 5/8in O.D.	
10	36122B	2	Hyd Tube, 3/4in O.D.	
11	90207463	10	Clamp, Cushion	
12	P21916	2	90, Elbow, Bulkhead	
13	P27394	2	90, Elbow, Bulkhead	
14	37183X	1	Hyd Hose	
15	37184X	1	Hyd Hose	
16	37181X	1	Hyd Hose	
17	37182X	1	Hyd Hose	
18	36269B	1	Hyd Tube, 5/8in O.D.	
19	36268B	1	Hyd Tube, 5/8in O.D.	
20	36273B	1	Hyd Tube, 3/4in O.D.	
21	36272B	1	Hyd Tube, 3/4in O.D.	
22	37186X	2	Hyd Hose	
23	37187X	1	Hyd Hose	
24	37188X	1	Hyd Hose	
25	37189X	2	Hyd Hose	
26	38133B	1	Hyd Tube, 3/4in O.D.	
27	38132B	1	Hyd Tube, 3/4in O.D.	
28	P17802	2	90, Elbow, O-Ring	
29	P27827	1	Cartridge, Counterbalance Valve	
29	P40491	1	Seal Kit for Item 29	
30	P30444	1	Cartridge, Counterbalance Valve	
30	P30927	1	Seal Kit for Item 30	
31	34816B	1	Cylinder, Boom Extension (See BOOM EXTENSION CYLINDER ASSEMBLY (3-SECTION) for Breakdown)	
32	26329A	4	Tube Clamp	
33	P01507	4	Nut, Hx, 5/16in-18	
34	P01309	7	Lockwasher, 5/16in	
35	38436A	2	Access Cover	
36	38434A	1	Bulkhead Plate, Right Hand	
37	38435A	1	Bulkhead Plate, Left Hand	
38	P01310	12	Lockwasher, 3/8in	
39	P00201	12	Capscrew, Hx, 3/8in-16 x 5/8in	
40	P28140	2	90, Elbow, Swivel	
41	P21632	2	90, Elbow, Swivel	
42	34820B	1	Cylinder, Front Carriage Tilt (See FRONT CARRIAGE TILT CYLINDER ASSEMBLY for Breakdown) (644B-42,844C-42)	
42	34824B	1	Cylinder, Front Carriage Tilt (See FRONT CARRIAGE TILT CYLINDER ASSEMBLY for Breakdown) (1044C-42)	
43	P28052	1	Counterbalance Valve	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	P29947	1	Cartridge, Counterbalance Valve	
44	P40484	1	Seal Kit for Items 43 & 44	
45	P00112	3	Capscrew, Hx, 5/16in-18 x 3in	

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FIGURE 5-25. BOOM HYDRAULIC CIRCUIT (3-SECTION) (1044C-42,644B-42,844C-42) (644B-42 SN 116 through 518; 844C-42 SN 264 through 1512, Excluding 1481; 1044C-42 SN 105 through 122)



SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-25. BOOM HYDRAULIC CIRCUIT (3-SECTION) (1044C-42,644B-42,844C-42) (644B-42 SN 116 through 518; 844C-42 SN 264 through 1512, Excluding 1481; 1044C-42 SN 105 through 122)

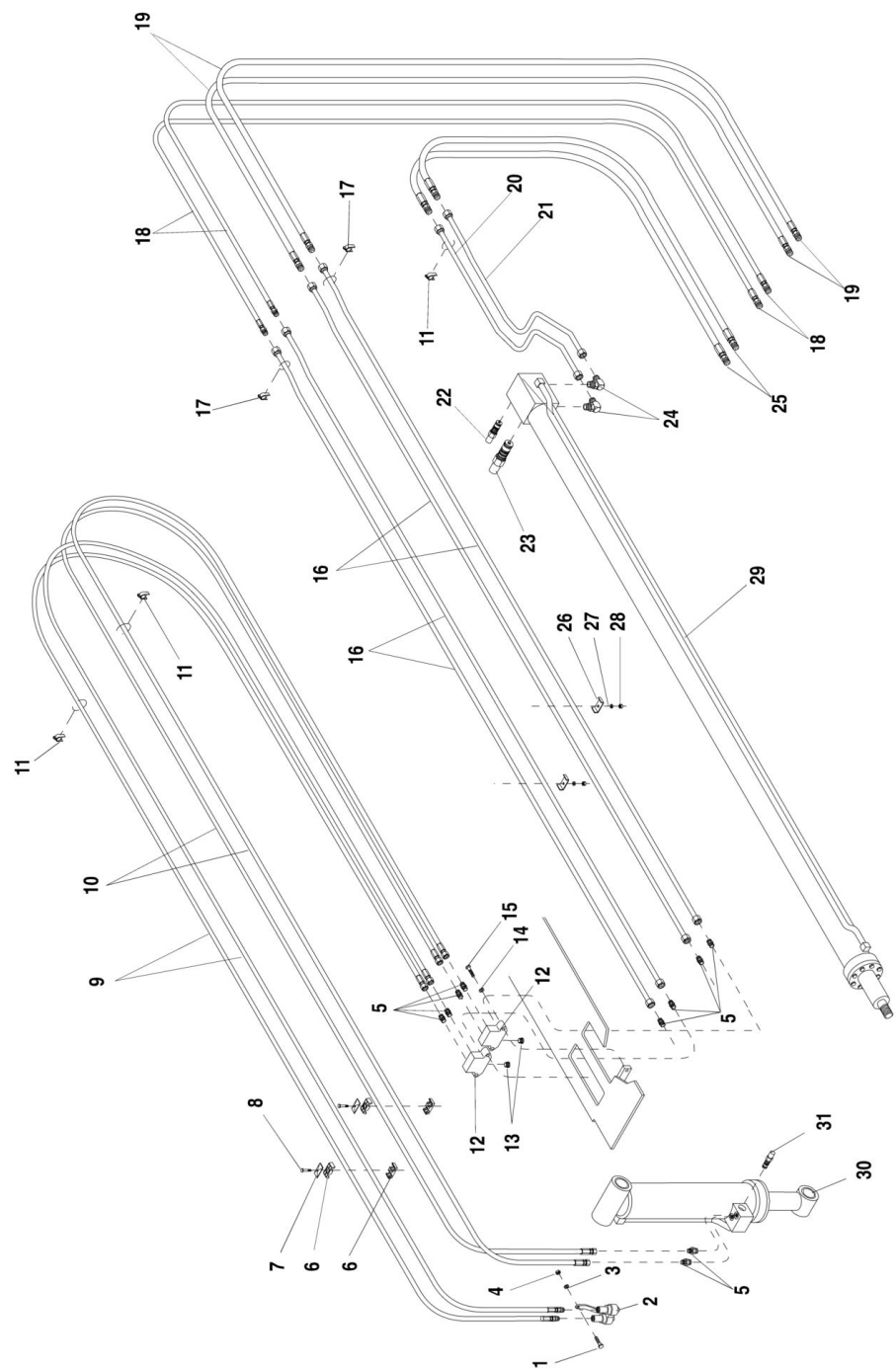
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P00404	1	Capscrew, Hx, 1/2in-13 x 1 1/2in	
2	66347B	1	Quick Coupler (Incl dust caps and male connectors) (Note: For (644B-42 101 through 284, 844C-42 101 through 1062 & 1044C-42 101 through 123) Use P29348)	
3	P01312	1	Lockwasher, 1/2in	
4	P01510	1	Nut, Hx, 1/2in-13	
5	P18964	2	Connector, O-Ring	
6	37185X	2	Hyd Hose	
7	37861X	2	Hyd Hose (Note: For (644B-42 101 through 284, 844C-42 101 through 1062 & 1044C-42 101 through 123) Use 37191X)	
8	91083217	8	Clamp, Cushion	
9	36123B	2	Hyd Tube, 5/8in O.D.	
10	36122B	2	Hyd Tube, 3/4in O.D.	
11	90207463	10	Clamp, Cushion	
12	P21916	2	90, Elbow, Bulkhead	
13	P27394	2	90, Elbow, Bulkhead	
14	37183X	1	Hyd Hose	
15	37184X	1	Hyd Hose	
16	37181X	1	Hyd Hose	
17	37182X	1	Hyd Hose	
18	36269B	1	Hyd Tube, 5/8in O.D.	
19	36268B	1	Hyd Tube, 5/8in O.D.	
20	36273B	1	Hyd Tube, 3/4in O.D.	
21	36272B	1	Hyd Tube, 3/4in O.D.	
22	37186X	2	Hyd Hose	
23	37187X	1	Hyd Hose	
24	37188X	1	Hyd Hose	
25	37189X	2	Hyd Hose	
26	38133B	1	Hyd Tube, 3/4in O.D.	
27	38132B	1	Hyd Tube, 3/4in O.D.	
28	P17802	2	90, Elbow, O-Ring	
29	P27827	1	Cartridge, Counterbalance Valve	
29	P40491	1	Seal Kit for Item 29	
30	P30444	1	Cartridge, Counterbalance Valve	
30	P30927	1	Seal Kit for Item 30	
31	34816B	1	Cylinder, Boom Extension (See BOOM EXTENSION CYLINDER ASSEMBLY (3-SECTION) for Breakdown)	
32	26329A	4	Tube Clamp	
33	P01507	4	Nut, Hx, 5/16in-18	
34	P01309	4	Lockwasher, 5/16in	
35	38436A	2	Access Cover	
36	38434A	1	Bulkhead Plate, Right Hand	
37	38435A	1	Bulkhead Plate, Left Hand	
38	P01310	12	Lockwasher, 3/8in	
39	P00201	12	Capscrew, Hx, 3/8in-16 x 5/8in	
40	P28140	2	90, Elbow, Swivel	
41	P21632	2	90, Elbow, Swivel	
42	34835B	1	Cylinder, Front Carriage Tilt (See FRONT CARRIAGE TILT CYLINDER ASSEMBLY for Breakdown) (644B-42,844C-42)	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
42	34836B	1	Cylinder, Front Carriage Tilt (See FRONT CARRIAGE TILT CYLINDER ASSEMBLY for Breakdown) (1044C-42)	
43	P29947	1	Cartridge, Counterbalance Valve	
43	2900770	1	Seal Kit for Item 43	

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FIGURE 5-26. BOOM HYDRAULIC CIRCUIT (3-SECTION) (1044C-42,644B-42,844C-42) (644B-42 SN 519 to Present; 844C-42 SN 1513 to Present, Including 1481; 1044C-42 SN 123 to Present)



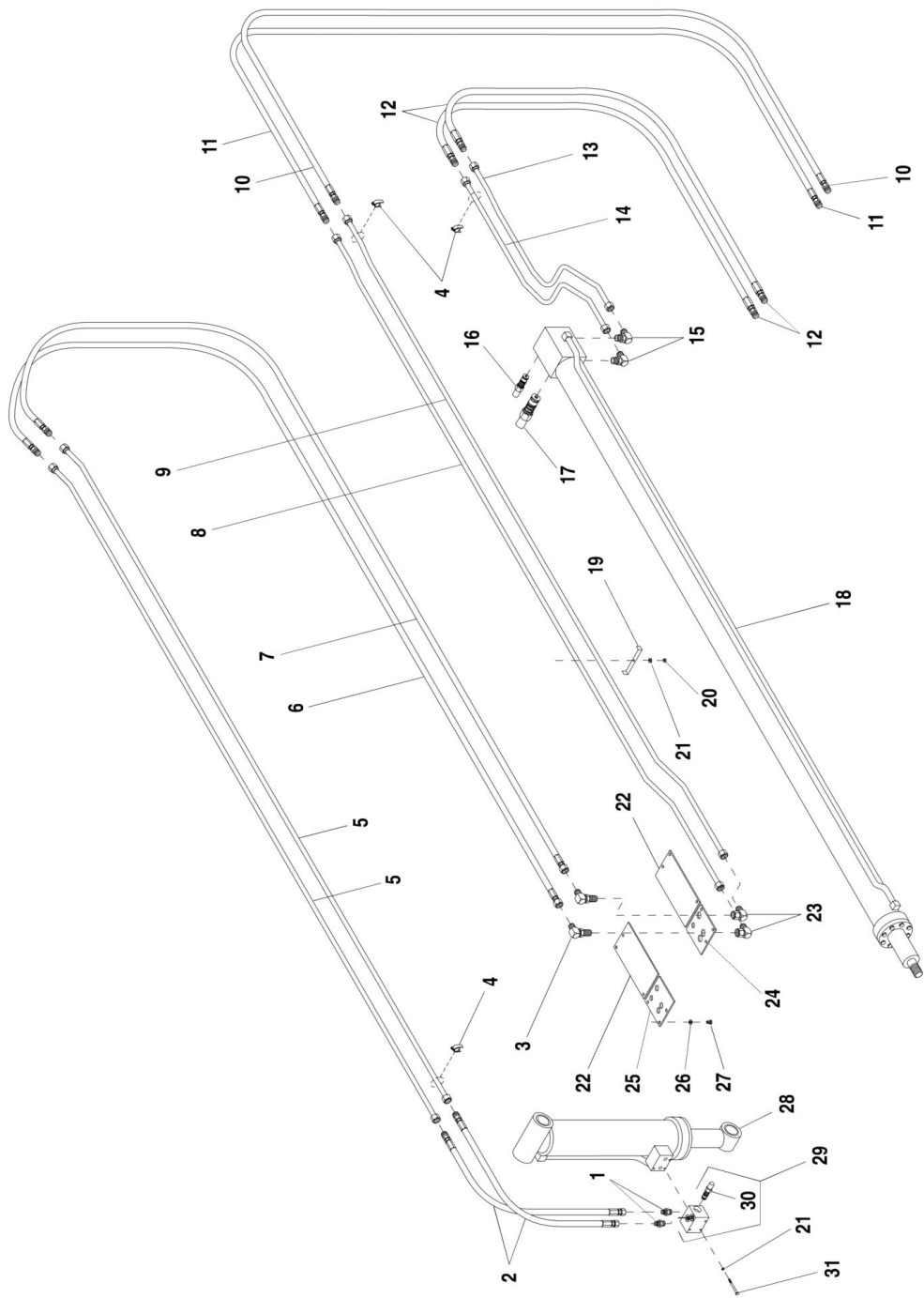
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FIGURE 5-26. BOOM HYDRAULIC CIRCUIT (3-SECTION) (1044C-42,644B-42,844C-42) (644B-42 SN 519 to Present; 844C-42 SN 1513 to Present, Including 1481; 1044C-42 SN 123 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P00404	1	Capscrew, Hx, 1/2in-13 x 1 1/2in	
2	66347B	1	Quick Coupler (Incl dust caps and male connectors)	
3	P01312	1	Lockwasher, 1/2in	
4	P01510	1	Nut, Hx, 1/2in-13	
5	P18964	10	Connector, O-Ring	
6	37732X	2	Clamp Body, 3/4in	
7	37734X	2	Clamp Cover	
8	37735X	2	Capscrew, Hx, 5/16in-18 x 1 3/4in	
9	66727X	2	Hyd Hose	
10	66726X	2	Hyd Hose	
11	90207463	6	Clamp, Cushion, 3/4in	
12	65944A	2	Manifold	
13	P27937	4	Plug, O-Ring	
14	P01312	4	Lockwasher, 1/2in	
15	P00407	4	Capscrew, Hx, 1/2in-13 2 1/4in	
16	66880B	4	Hyd Tube, 5/8in O.D.	
17	91083217	4	Clamp, Cushion, 5/8in	
18	37186X	2	Hyd Hose	
19	66728X	4	Hyd Hose	
20	38132B	1	Hyd Tube, 3/4in O.D.	
21	38133B	1	Hyd Tube, 3/4in O.D.	
22	P27827	1	Cartridge, Counterbalance Valve	
22	P40491	1	Seal Kit for Item 22	
23	P30444	1	Cartridge, Counterbalance Valve	
23	P30927	1	Seal Kit for Item 23	
24	P17802	2	90, Elbow, O-Ring	
25	37189X	2	Hyd Hose	
26	26329A	4	Tube Clamp	
27	P01309	4	Lockwasher, 5/16in	
28	P01507	4	Nut, Hx, 5/16in-18	
29	34816B	1	Cylinder, Boom Extension (See BOOM EXTENSION CYLINDER ASSEMBLY (3-SECTION) for Breakdown)	
30	34835B	1	Cylinder, Front Carriage Tilt (See FRONT CARRIAGE TILT CYLINDER ASSEMBLY for Breakdown) (644B-42,844C-42)	
30	34836B	1	Cylinder, Front Carriage Tilt (See FRONT CARRIAGE TILT CYLINDER ASSEMBLY for Breakdown) (1044C-42)	
31	P29947	1	Cartridge, Counterbalance Valve	
31	2900770	1	Seal Kit for Item 31	

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FIGURE 5-27. BOOM HYDRAULIC CIRCUIT (3 SECTION) (10K-42,6K-42,8K-42) (6K-42 Including 101; 8K-42 SN 101 through 160; 10K-42 SN 101 through 106)



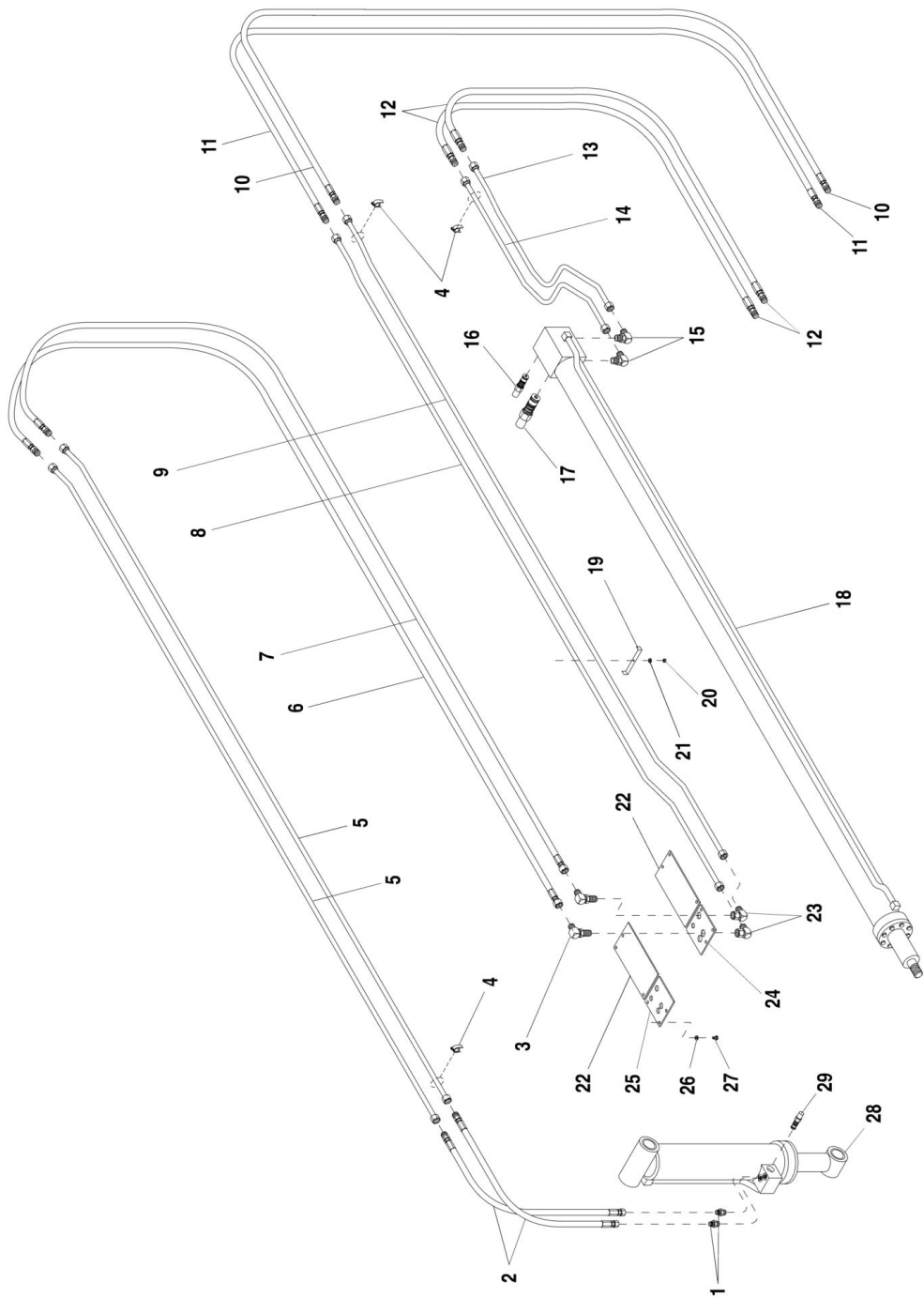
SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-27. BOOM HYDRAULIC CIRCUIT (3 SECTION) (10K-42,6K-42,8K-42) (6K-42 Including 101; 8K-42 SN 101 through 160; 10K-42 SN 101 through 106)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P15406	2	Connector, O-Ring	
2	37185X	2	Hyd Hose	
3	P21916	2	90, Elbow, Bulkhead	
4	90207463	10	Clamp, Cushion	
5	36122B	2	Hyd Tube, 3/4in O.D.	
6	37181X	1	Hyd Hose	
7	37182X	1	Hyd Hose	
8	36273B	1	Hyd Tube, 3/4in O.D.	
9	36272B	1	Hyd Tube, 3/4in O.D.	
10	37188X	1	Hyd Hose	
11	37187X	1	Hyd Hose	
12	37189X	2	Hyd Hose	
13	38133B	1	Hyd Tube, 3/4in O.D.	
14	38132B	1	Hyd Tube, 3/4in O.D.	
15	P17802	2	90, Elbow, O-Ring	
16	P27827	1	Cartridge, Counterbalance Valve	
16	P40491	1	Seal Kit for Item 16	
17	P30444	1	Cartridge, Counterbalance Valve	
17	P30927	1	Seal Kit for Item 17	
18	34816B	1	Cylinder, Boom Extension (See BOOM EXTENSION CYLINDER ASSEMBLY (3-SECTION) for Breakdown)	
19	26329A	4	Tube Clamp	
20	P01507	4	Nut, Hx, 5/16in-18	
21	P01309	7	Lockwasher, 5/16in	
22	38436A	2	Access Cover	
23	P21632	2	90, Elbow, Swivel	
24	38435A	1	Bulkhead Plate, Left Hand	
25	38434A	1	Bulkhead Plate, Right Hand	
26	P01310	12	Lockwasher, 3/8in	
27	P00201	12	Capscrew, Hx, 3/8in-16 x 5/8in	
28	34820B	1	Cylinder, Front Carriage Tilt (See FRONT CARRIAGE TILT CYLINDER ASSEMBLY for Breakdown) (6K-42,8K-42)	
28	34836B	1	Cylinder, Front Carriage Tilt (Replaces 34824B) (See FRONT CARRIAGE TILT CYLINDER ASSEMBLY Breakdown) (10K-42)	
29	P28052	1	Counterbalance Valve	
30	P29947	1	Cartridge, Counterbalance Valve	
30	P40484	1	Seal Kit for Items 29 & 30	
31	P00112	3	Capscrew, Hx, 5/16in-18 x 3in	

SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-28. BOOM HYDRAULIC CIRCUIT (3 SECTION) (10K-42,6K-42,8K-42) (6K-42 SN 102 through 188; 8K-42 SN 161 through 349; 10K-42 SN 107 through 114)



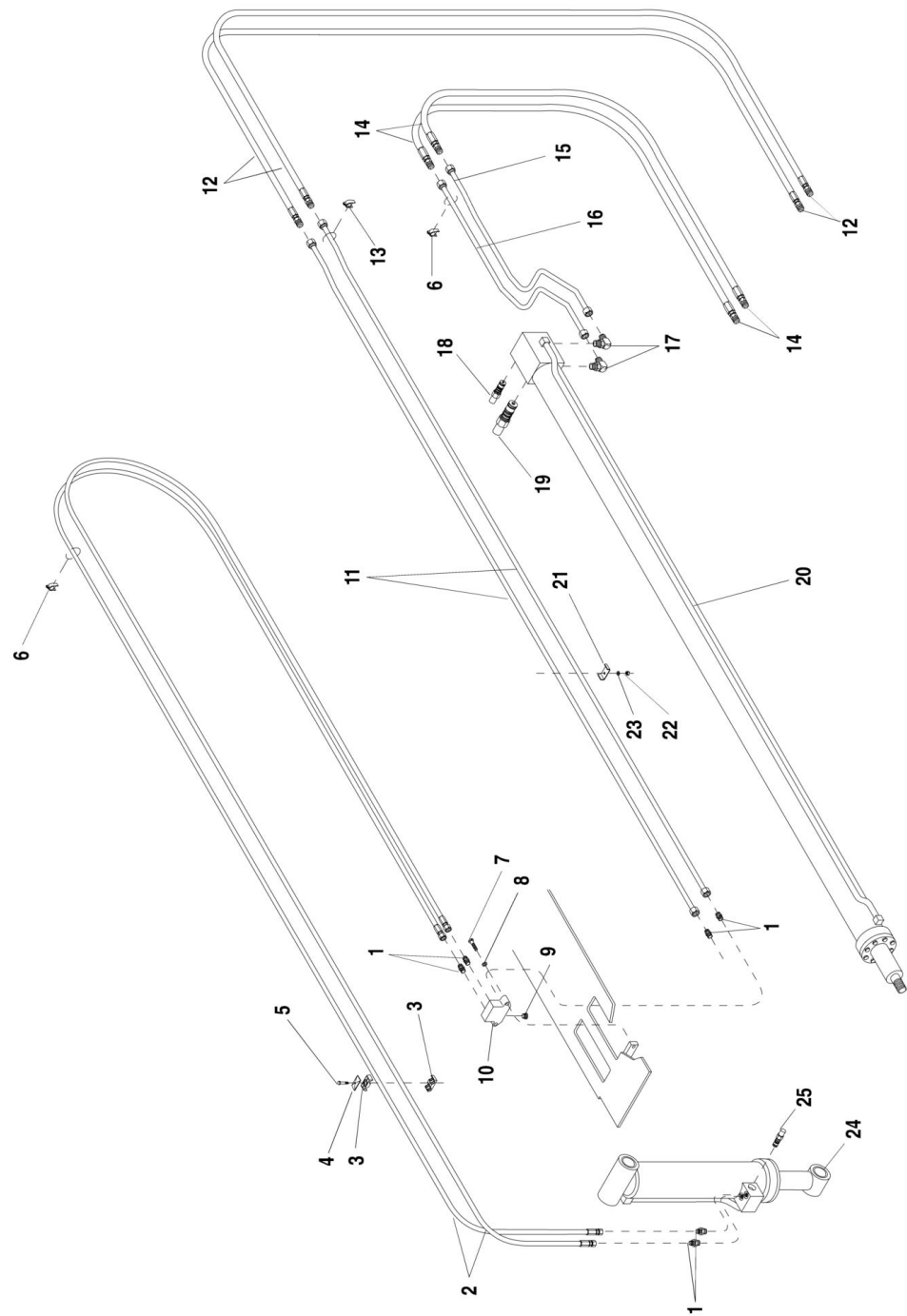
SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-28. BOOM HYDRAULIC CIRCUIT (3 SECTION) (10K-42,6K-42,8K-42) (6K-42 SN 102 through 188; 8K-42 SN 161 through 349; 10K-42 SN 107 through 114)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P15406	2	Connector, O-Ring	
2	37185X	2	Hyd Hose	
3	P21916	2	90, Elbow, Bulkhead	
4	90207463	10	Clamp, Cushion	
5	36122B	2	Hyd Tube, 3/4in O.D.	
6	37181X	1	Hyd Hose	
7	37182X	1	Hyd Hose	
8	36273B	1	Hyd Tube, 3/4in O.D.	
9	36272B	1	Hyd Tube, 3/4in O.D.	
10	37188X	1	Hyd Hose	
11	37187X	1	Hyd Hose	
12	37189X	2	Hyd Hose	
13	38133B	1	Hyd Tube, 3/4in O.D.	
14	38132B	1	Hyd Tube, 3/4in O.D.	
15	P17802	2	90, Elbow, O-Ring	
16	P27827	1	Cartridge, Counterbalance Valve	
16	P40491	1	Seal Kit for Item 16	
17	P30444	1	Cartridge, Counterbalance Valve	
17	P30927	1	Seal Kit for Item 17	
18	34816B	1	Cylinder, Boom Extension (See BOOM EXTENSION CYLINDER ASSEMBLY (3-SECTION) for Breakdown)	
19	26329A	4	Tube Clamp	
20	P01507	4	Nut, Hx, 5/16in-18	
21	P01309	7	Lockwasher, 5/16in	
22	38436A	2	Access Cover	
23	P21632	2	90, Elbow, Swivel	
24	38435A	1	Bulkhead Plate, Left Hand	
25	38434A	1	Bulkhead Plate, Right Hand	
26	P01310	12	Lockwasher, 3/8in	
27	P00201	12	Capscrew, Hx, 3/8in-16 x 5/8in	
28	34835B	1	Cylinder, Front Carriage Tilt (See FRONT CARRIAGE TILT CYLINDER ASSEMBLY for Breakdown) (6K-42,8K-42)	
28	34836B	1	Cylinder, Front Carriage Tilt (See FRONT CARRIAGE TILT CYLINDER ASSEMBLY for Breakdown) (10K-42)	
29	P29947	1	Cartridge, Counterbalance Valve	
29	2900770	1	Seal Kit for Item 29	

SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-29. BOOM HYDRAULIC CIRCUIT (3 SECTION) (10K-42,6K-42,8K-42) (6K-42 SN 189 to Present; 8K-42 SN 350 to Present; 10K-42 SN 115 to Present)



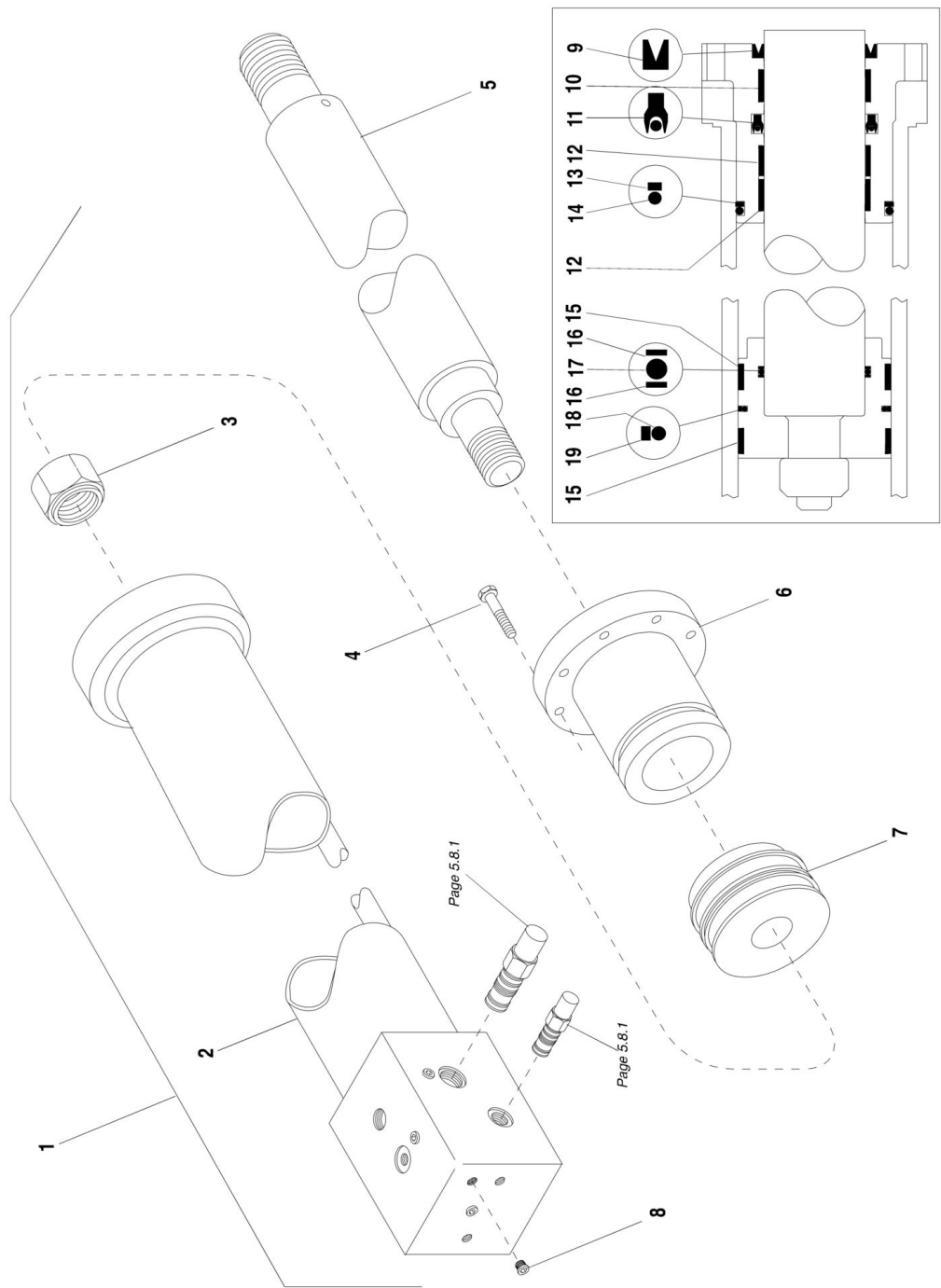
SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-29. BOOM HYDRAULIC CIRCUIT (3 SECTION) (10K-42,6K-42,8K-42) (6K-42 SN 189 to Present; 8K-42 SN 350 to Present; 10K-42 SN 115 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P15406	6	Connector, O-Ring	
2	66726X	2	Hyd Hose	
3	37732X	1	Clamp Body, 3/4in	
4	37734X	1	Clamp Cover	
5	37735X	1	Capscrew, Hx, 5/16in-18 x 1 3/4in	
6	90207463	6	Clamp, Cushion, 3/4in	
7	P00407	2	Capscrew, Hx, 1/2in-13 x 2 1/4in	
8	P01312	2	Lockwasher, 1/2in	
9	P27937	2	Plug, O-Ring	
10	65944A	1	Manifold	
11	66880B	2	Hyd Tube, 5/8in O.D.	
12	66728X	2	Hyd Hose	
13	91083217	2	Clamp, Cushion, 5/8in	
14	37189X	2	Hyd Hose	
15	38133B	1	Hyd Tube, 3/4in O.D.	
16	38132B	1	Hyd Tube, 3/4in O.D.	
17	P17802	2	90, Elbow, O-Ring	
18	P27827	1	Cartridge, Counterbalance Valve	
18	P40491	1	Seal Kit for Item 18	
19	P30444	1	Cartridge, Counterbalance Valve	
19	P30927	1	Seal Kit for Item 19	
20	34816B	1	Cylinder, Boom Extension (See BOOM EXTENSION CYLINDER ASSEMBLY (3-SECTION) for Breakdown)	
21	26329A	4	Tube Clamp	
22	P01507	4	Nut, Hx, 5/16in-18	
23	P01309	7	Lockwasher, 5/16in	
24	34835B	1	Cylinder, Front Carriage Tilt (See FRONT CARRIAGE TILT CYLINDER ASSEMBLY for Breakdown) (6K-42,8K-42)	
24	34836B	1	Cylinder, Front Carriage Tilt (See FRONT CARRIAGE TILT CYLINDER ASSEMBLY for Breakdown) (10K-42)	
25	P29947	1	Cartridge, Counterbalance Valve	
25	2900770	1	Seal Kit for Item 25	

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FIGURE 5-30. BOOM EXTENSION CYLINDER ASSEMBLY (3-SECTION) (1044C-42,10K-42,644B-42,6K-42,844C-42,8K-42) (644B-42 SN 101 to Present; 844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 6K-42 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 to Present)



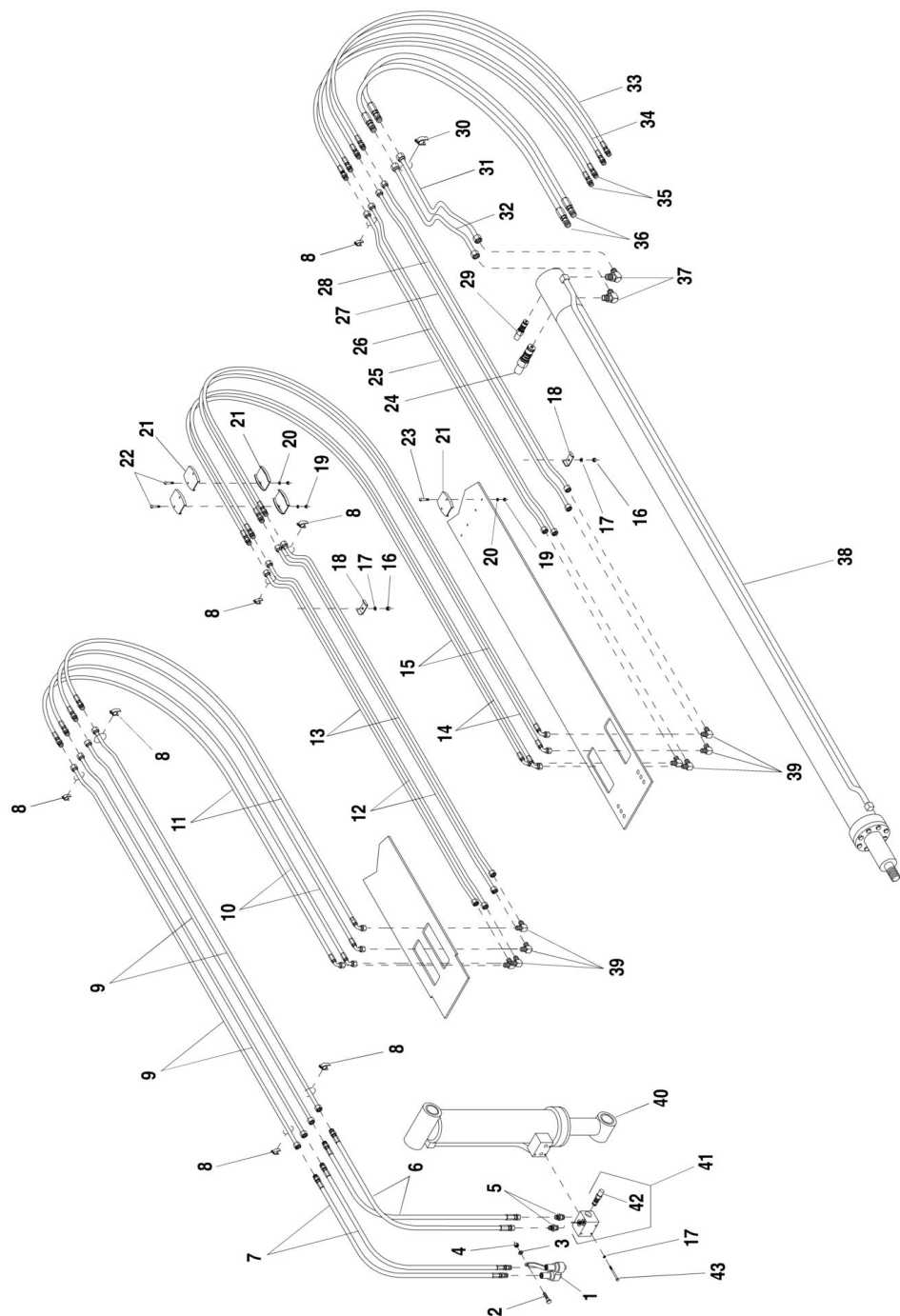
SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-30. BOOM EXTENSION CYLINDER ASSEMBLY (3-SECTION) (1044C-42,10K-42,644B-42,6K-42,844C-42,8K-42) (644B-42 SN 101 to Present; 844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 6K-42 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	34816B	-	Cylinder Assembly, Boom Extension	
2	P30613	1	Barrel Weldment	
3	P30677	1	Nut, Crownlock	
4	P00481	8	Capscrew, Hx, 1/2in-20 x 1 1/2in GR 8	
5	P30644	1	Rod	
6	P30675	1	Head, Rod Bearing	
7	P30647	1	Piston	
8	P27933	4	O-Ring Plug, Hollow Hex	
9	N.S.S.	1	Wiper	
10	N.S.S.	1	Wear Ring	
11	N.S.S.	1	Seal	
12	N.S.S.	2	Wear Ring	
13	N.S.S.	1	Back-Up Ring	
14	N.S.S.	1	O-Ring	
15	N.S.S.	2	Wear Ring	
16	N.S.S.	2	Back-Up Ring	
17	N.S.S.	1	O-Ring	
18	N.S.S.	1	O-Ring	
19	N.S.S.	1	Piston Seal	
Ref	P30680	1	Seal Kit (Includes Items 9-19)	
		Ref	N.S.S. = Not Sold Separately.	

SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-31. BOOM HYDRAULIC CIRCUIT (4-SECTION) (1044C-54) (1044C-54 SN 101 through 106)



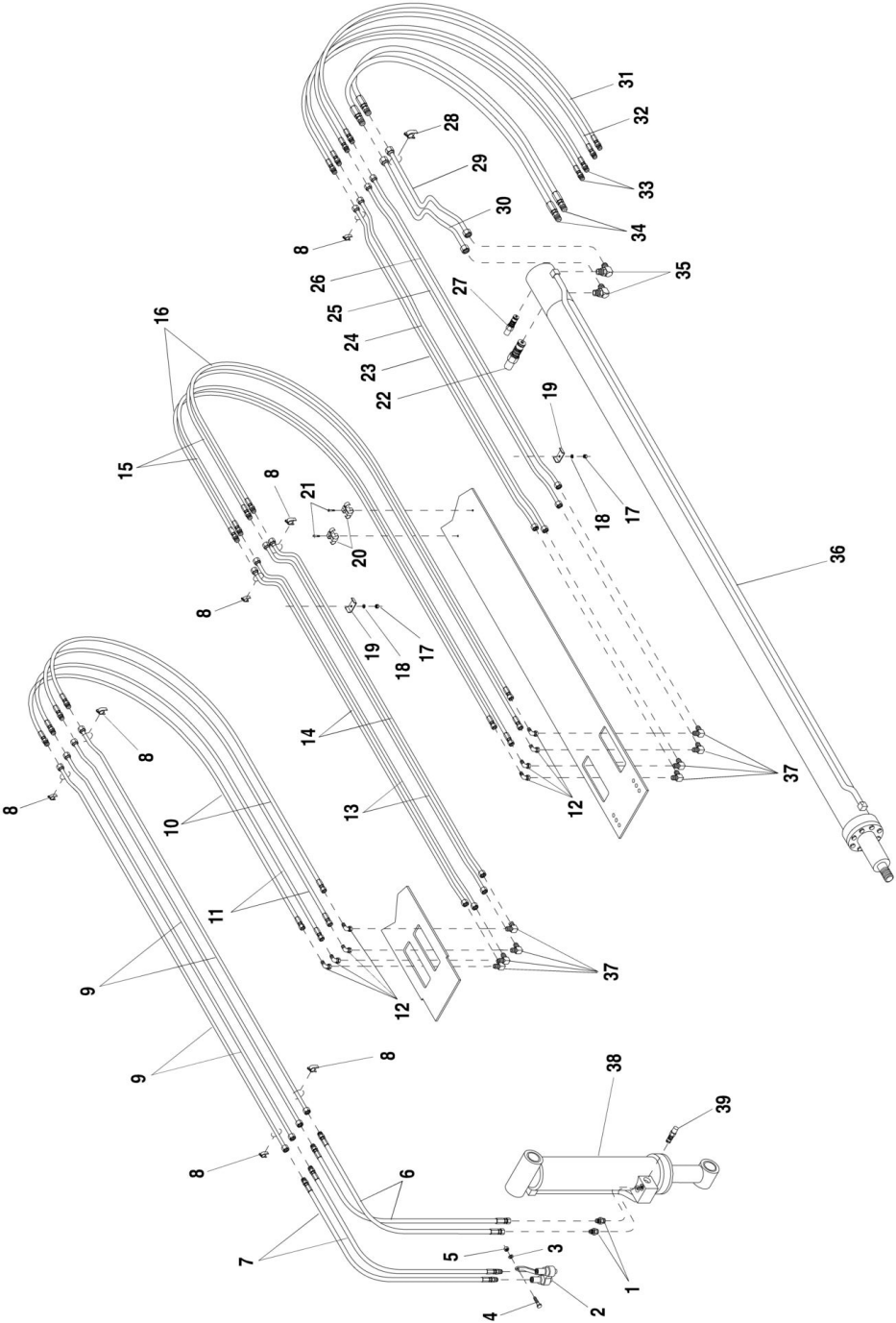
SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-31. BOOM HYDRAULIC CIRCUIT (4-SECTION) (1044C-54) (1044C-54 SN 101 through 106)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P29348	1	Quick Coupler (Incl dust caps and male connectors)	
2	P00404	1	Capscrew, Hx, 1/2in-13 x 1 1/2in	
3	P01312	1	Lockwasher, 1/2in	
4	P01510	1	Nut, Hx, 1/2in-13	
5	P18964	2	Connector, O-Ring	
6	37289X	2	Hyd Hose, 1/2in	
7	37290X	2	Hyd Hose, 1/2in	
8	91083217	16	Clamp, Cushion	
9	38747B	4	Hyd Tube, 5/8in O.D.	
10	37292X	1	Hyd Hose, 1/2in	
11	37291X	1	Hyd Hose, 1/2in	
12	38757B	1	Hyd Tube, 5/8in O.D.	
13	38756B	1	Hyd Tube, 5/8in O.D.	
14	37294X	1	Hyd Hose, 1/2in	
15	37293X	1	Hyd Hose, 1/2in	
16	P01507	10	Nut, Hx, 5/16in-18	
17	P01309	10	Lockwasher, 5/16in	
18	38930A	10	Tube Clamp	
19	P01506	6	Nut, Hx, 1/4in-20	
20	P01308	6	Lockwasher, 1/4in	
21	39865B	6	Half Clamp, Plastic	
22	P02136	4	Screw, Slotted Rd Hd, 1/4in-20 x 1 3/4in	
23	P02131	2	Screw, Slotted Rd Hd, 1/4in-20 x 7/8in	
24	P30444	1	Cartridge, Counterbalance Valve	
24	P30927	1	Seal Kit for Item 24	
25	38752B	1	Hyd Tube, 5/8in O.D.	
26	38753B	1	Hyd Tube, 5/8in O.D.	
27	38751B	1	Hyd Tube, 5/8in O.D.	
28	38750B	1	Hyd Tube, 5/8in O.D.	
29	P27827	1	Cartridge, Counterbalance Valve	
29	P40491	1	Seal Kit for Item 29	
30	90207463	10	Clamp, Cushion	
31	38133B	1	Hyd Tube, 3/4in O.D.	
32	38132B	1	Hyd Tube, 3/4in O.D.	
33	37522X	1	Hyd Hose, 1/2in	
34	37521X	1	Hyd Hose, 1/2in	
35	37186X	2	Hyd Hose, 1/2in	
36	37189X	2	Hyd Hose, 3/4in	
37	P17802	2	90, Elbow, O-Ring	
38	34843B	1	Cylinder, Boom Extension (Replaces 34816B) (See BOOM EXTENSION CYLINDER ASSEMBLY (4-SECTION) for Breakdown)	
39	P18961	8	90, Elbow, Union	
40	34820B	1	Cylinder, Front Carriage Tilt (See FRONT CARRIAGE TILT CYLINDER ASSEMBLY for Breakdown)	
41	P28052	1	Counterbalance Valve	
42	P29947	1	Cartridge, Counterbalance Valve	
42	P40484	1	Seal Kit for Items 41 & 42	
43	P00112	3	Capscrew, Hx, 5/16in-18 x 3in	

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FIGURE 5-32. BOOM HYDRAULIC CIRCUIT (4-SECTION) (1044C-54) (1044C-54 SN 107 through 144, Including 148)



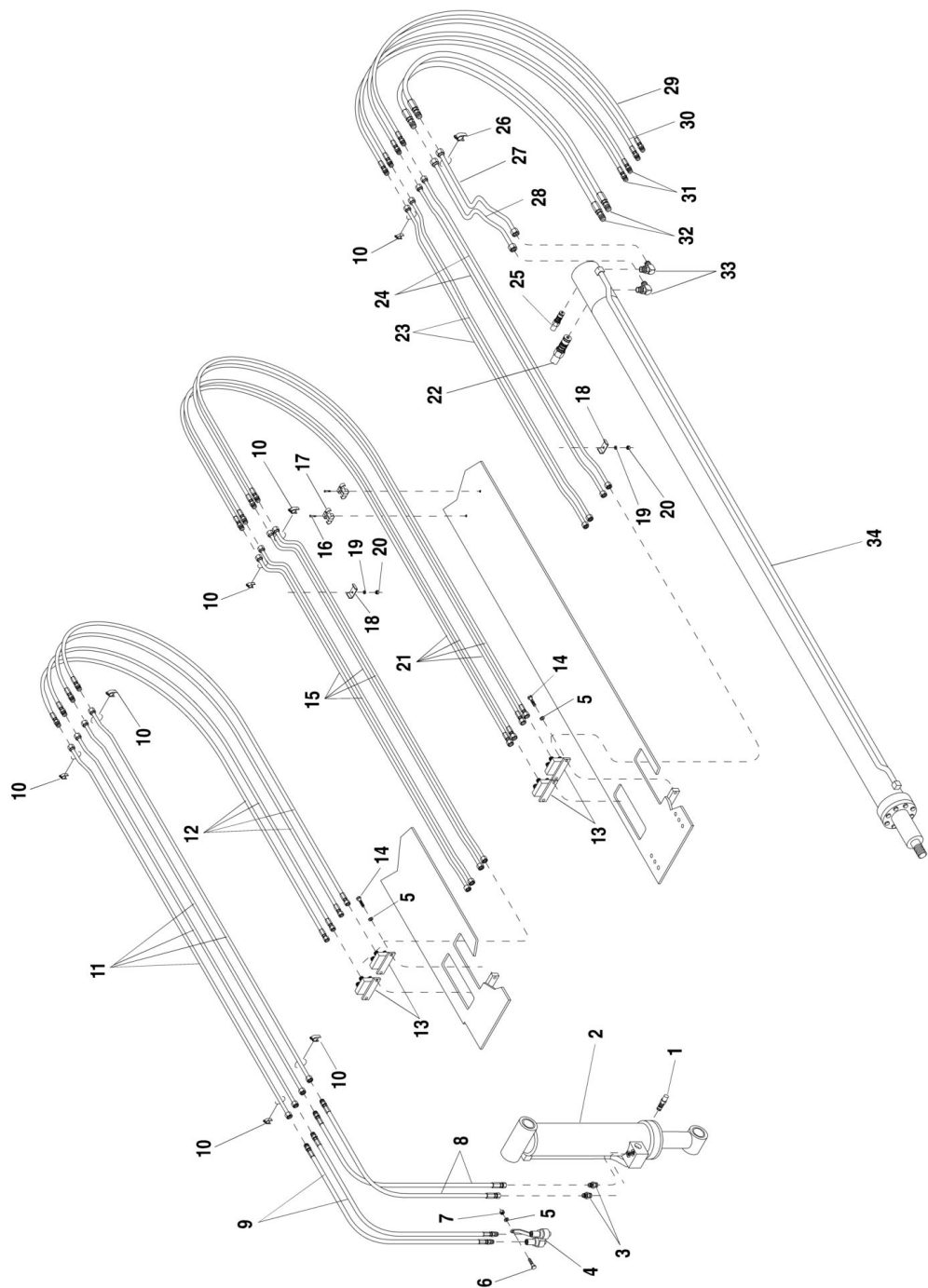
SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-32. BOOM HYDRAULIC CIRCUIT (4-SECTION) (1044C-54) (1044C-54 SN 107 through 144, Including 148)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P18964	2	Connector, O-Ring	
2	P29348	1	Quick Coupler (Incl dust caps and male connectors)	
3	P01312	1	Lockwasher, 1/2in	
4	P00404	1	Capscrew, Hx, 1/2in-13 x 1 1/2in	
5	P01510	1	Nut, Hx, 1/2in-13	
6	37289X	2	Hyd Hose, 1/2in	
7	37290X	2	Hyd Hose, 1/2in	
8	91083217	16	Clamp, Cushion	
9	38747B	4	Hyd Tube, 5/8in O.D.	
10	37548X	2	Hyd Hose, 1/2in	
11	37547X	2	Hyd Hose, 1/2in	
12	P21632	8	90, Elbow, Swivel	
13	38757B	1	Hyd Tube, 5/8in O.D.	
14	38756B	1	Hyd Tube, 5/8in O.D.	
15	37545X	2	Hyd Hose, 1/2in	
16	37546X	2	Hyd Hose, 1/2in	
17	P01507	10	Nut, Hx, 5/16in-18	
18	P01309	10	Lockwasher, 5/16in	
19	38930A	10	Tube Clamp	
20	P40074	2	Tee-Clip 5/8in - 3/4in	
21	P03038	2	Screw, Flathead, #10-24 x 1in	
22	P30444	1	Cartridge, Counterbalance Valve	
22	P30927	1	Seal Kit for Item 22	
23	38752B	1	Hyd Tube, 5/8in O.D.	
24	38753B	1	Hyd Tube, 5/8in O.D.	
25	38751B	1	Hyd Tube, 5/8in O.D.	
26	38750B	1	Hyd Tube, 5/8in O.D.	
27	P27827	1	Cartridge, Counterbalance Valve	
27	P40491	1	Seal Kit for Item 27	
28	90207463	10	Clamp, Cushion	
29	38133B	1	Hyd Tube, 3/4in O.D.	
30	38132B	1	Hyd Tube, 3/4in O.D.	
31	37522X	1	Hyd Hose, 1/2in	
32	37521X	1	Hyd Hose, 1/2in	
33	37186X	2	Hyd Hose, 1/2in	
34	37189X	2	Hyd Hose, 3/4in	
35	P17802	2	90, Elbow, O-Ring	
36	34843B	1	Cylinder, Boom Extension (Replaces 34816B) (See BOOM EXTENSION CYLINDER ASSEMBLY (4-SECTION) for Breakdown)	
37	P18961	8	90, Elbow, Union	
38	34820B	1	Cylinder, Front Carriage Tilt (See FRONT CARRIAGE TILT CYLINDER ASSEMBLY for Breakdown)	
39	P29947	1	Cartridge, Counterbalance Valve	
39	P40484	1	Seal Kit for Item 39	

SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-33. BOOM HYDRAULIC CIRCUIT (4-SECTION) (1044C-54) (1044C-54 SN 145 through 287, Excluding 148, 211, 241 and 250)



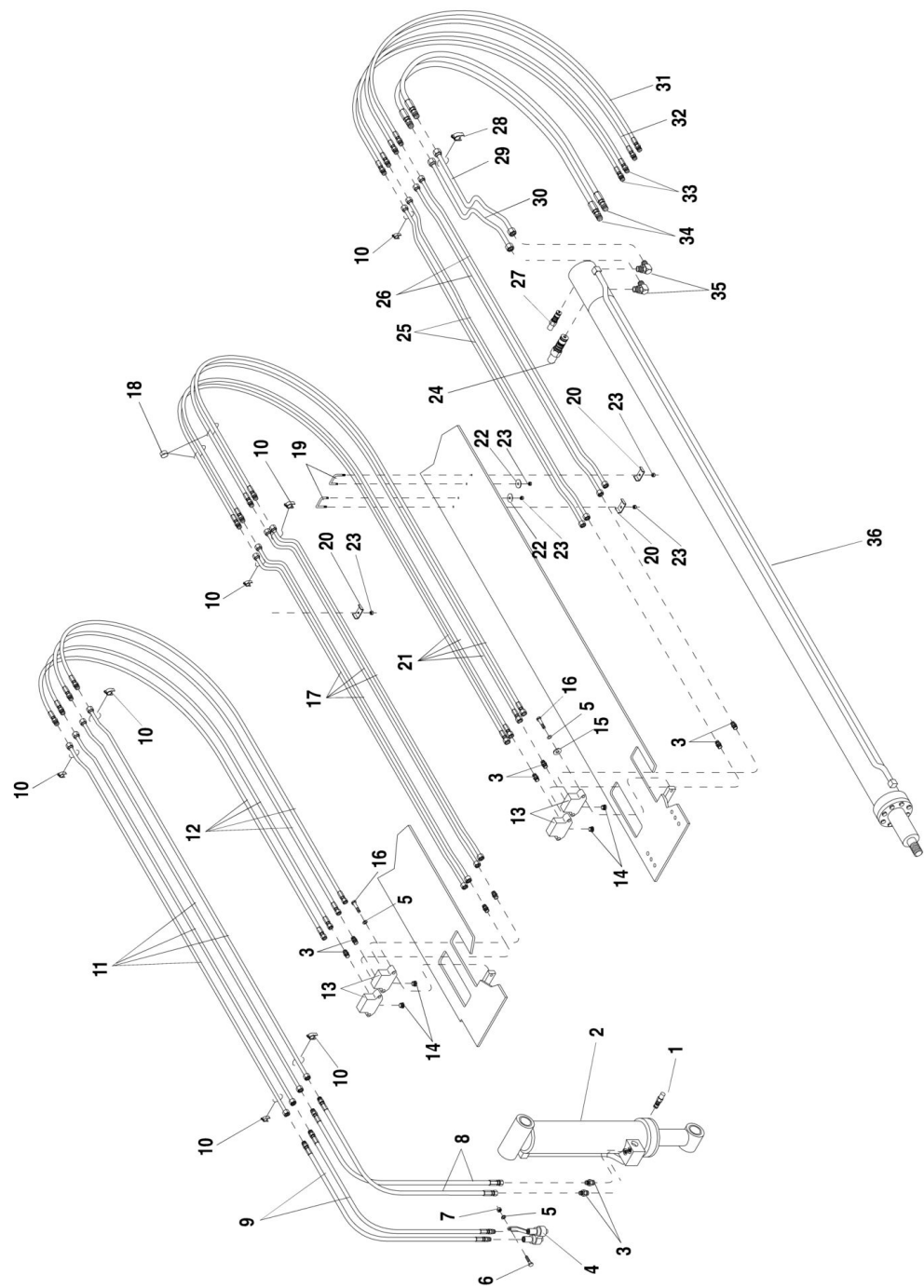
SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-33. BOOM HYDRAULIC CIRCUIT (4-SECTION) (1044C-54) (1044C-54 SN 145 through 287, Excluding 148, 211, 241 and 250)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P29947	1	Cartridge, Counterbalance Valve	
1	P40484	1	Seal Kit for Item 1	
2	34836B	1	Cylinder, Front Carriage Tilt (See FRONT CARRIAGE TILT CYLINDER ASSEMBLY for Breakdown)	
3	P18964	2	Connector, O-Ring	
4	66347B	1	Quick Coupler (Incl dust caps and male connectors) (Note: For S/N 101 through 274 Use P29348)	
5	P01312	9	Lockwasher, 1/2in	
6	P00404	1	Capscrew, Hx, 1/2in-13 x 1 1/2in	
7	P01510	1	Nut, Hx, 1/2in-13	
8	37289X	2	Hyd Hose, 1/2in	
9	10868104	2	Hyd Hose, 1/2in (Note: For S/N 101 through 274 Use 37290X)	
10	91083217	16	Clamp, Cushion	
11	38747B	4	Hyd Tube, 5/8in O.D.	
12	10868105	4	Hyd Hose, 1/2in	
13	65081B	4	Hyd Manifold	
14	P00402	8	Capscrew, Hx, 1/2in-13 x 1in	
15	38757B	4	Hyd Tube, 5/8in O.D.	
16	P03038	2	Screw, Flathead, #10-24 x 1in	
17	P40074	2	Tee-Clip 5/8in - 3/4in	
18	38930A	10	Tube Clamp	
19	P01309	10	Lockwasher, 5/16in	
20	P01507	10	Nut, Hx, 5/16in-18	
21	1100990	4	Hyd Hose, 1/2in x 176in	
22	P30444	1	Cartridge, Counterbalance Valve	
22	P40491	1	Seal Kit for Item 22	
23	65086B	2	Hyd Tube, 5/8in O.D.	
24	65087B	2	Hyd Tube, 5/8in O.D.	
25	P27827	1	Cartridge, Counterbalance Valve	
25	P30927	1	Seal Kit for Item 25	
26	90207463	10	Clamp, Cushion	
27	38133B	1	Hyd Tube, 3/4in O.D.	
28	38132B	1	Hyd Tube, 3/4in O.D.	
29	37522X	1	Hyd Hose, 1/2in	
30	37521X	1	Hyd Hose, 1/2in	
31	37186X	2	Hyd Hose, 1/2in	
32	37189X	2	Hyd Hose, 3/4in	
33	P17802	2	90, Elbow, O-Ring	
34	34843B	1	Cylinder, Boom Extension (Replaces 34816B) (See BOOM EXTENSION CYLINDER ASSEMBLY (4-SECTION) for Breakdown)	

SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-34. BOOM HYDRAULIC CIRCUIT (4-SECTION) (1044C-54) (1044C-54 SN 288 through 921, SN 923 through 929, Including 211, 213, 241, 250 and 931)



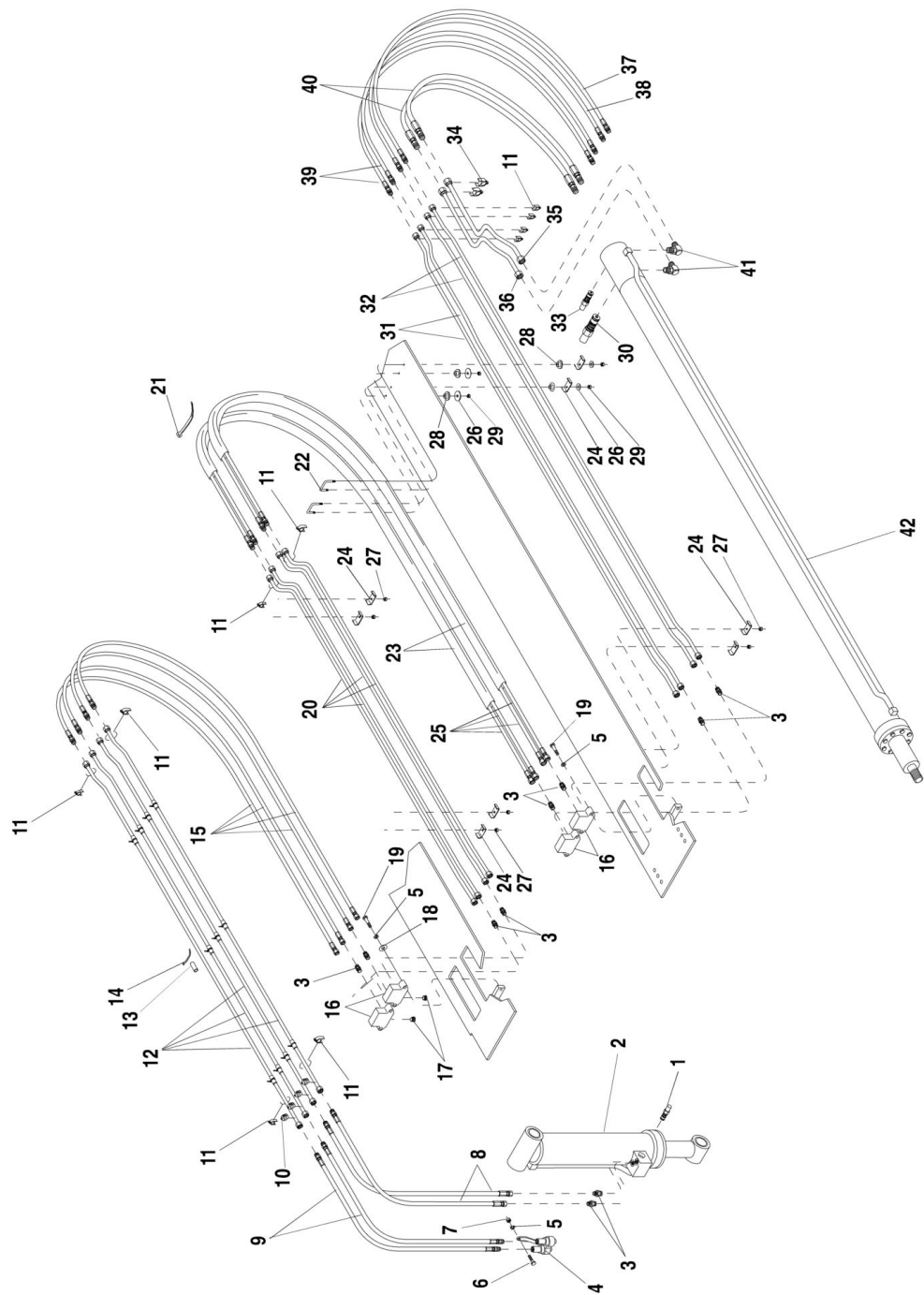
SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-34. BOOM HYDRAULIC CIRCUIT (4-SECTION) (1044C-54) (1044C-54 SN 288 through 921, SN 923 through 929, Including 211, 213, 241, 250 and 931)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	10729947	1	Cartridge, Counterbalance Valve	
1	2900770	1	Seal Kit for Item 1	
2	10234836	1	Cylinder, Front Carriage Tilt (See FRONT CARRIAGE TILT CYLINDER ASSEMBLY for Breakdown)	
3	10718964	18	Connector, O-Ring	
4	10266347	1	Quick Coupler (Includes dust caps and male connectors)	
5	10701312	9	Lockwasher, 1/2in	
6	10700404	1	Capscrew, Hx, 1/2in-13 x 1 1/2in	
7	10701510	1	Nut, Hx, 1/2in-13	
8	10837289	2	Hyd Hose, 1/2in	
9	10868104	2	Hyd Hose, 1/2in	
10	91083217	16	Clamp, Cushion	
11	10238747	4	Hyd Tube, 5/8in O.D.	
12	10868105	4	Hyd Hose, 1/2	
13	10165944	4	Hyd Manifold	
14	10727937	8	Plug, O-Ring	
15	10701406	4	Flatwasher, 1/2in	
16	10700407	8	Capscrew, Hx, 1/2in-13 x 2 1/4in	
17	10238757	4	Hyd Tube, 5/8in O.D.	
18	10837726	2	Clamp, Power Grip	
19	10167485	2	Hold Down, Hose (Replaces T-Clip P40074)	
20	10138930	8	Tube Clamp	
21	1100990	4	Hyd Hose, 1/2in	
22	10701452	2	Washer, Fender, 1/4in x 1-1/4in	
23	10705000	2	Locknut, 1/4in-20	
24	10730444	1	Cartridge, Counterbalance Valve	
24	10740491	1	Seal Kit for Item 24	
25	10265086	2	Hyd Tube, 5/8in O.D.	
26	10265087	2	Hyd Tube, 5/8in O.D.	
27	10727827	1	Cartridge, Counterbalance Valve	
27	10730927	1	Seal Kit for Item 27	
28	90207463	2	Clamp, Cushion	
29	10238133	1	Hyd Tube, 3/4in O.D.	
30	10238132	1	Hyd Tube, 3/4in O.D.	
31	10837522	1	Hyd Hose, 1/2in	
32	10837521	1	Hyd Hose, 1/2in	
33	10837186	2	Hyd Hose, 1/2in	
34	10837189	2	Hyd Hose, 3/4in	
35	10717802	2	90, Elbow, O-Ring	
36	10234843	1	Cylinder, Boom Extension (Replaces 34816B) (See BOOM EXTENSION CYLINDER ASSEMBLY (4-SECTION) for Breakdown)	

SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-35. BOOM HYDRAULIC CIRCUIT (4-SECTION) (1044C-54) (1044C-54 SN 932 to Present, Including 922 and 930)



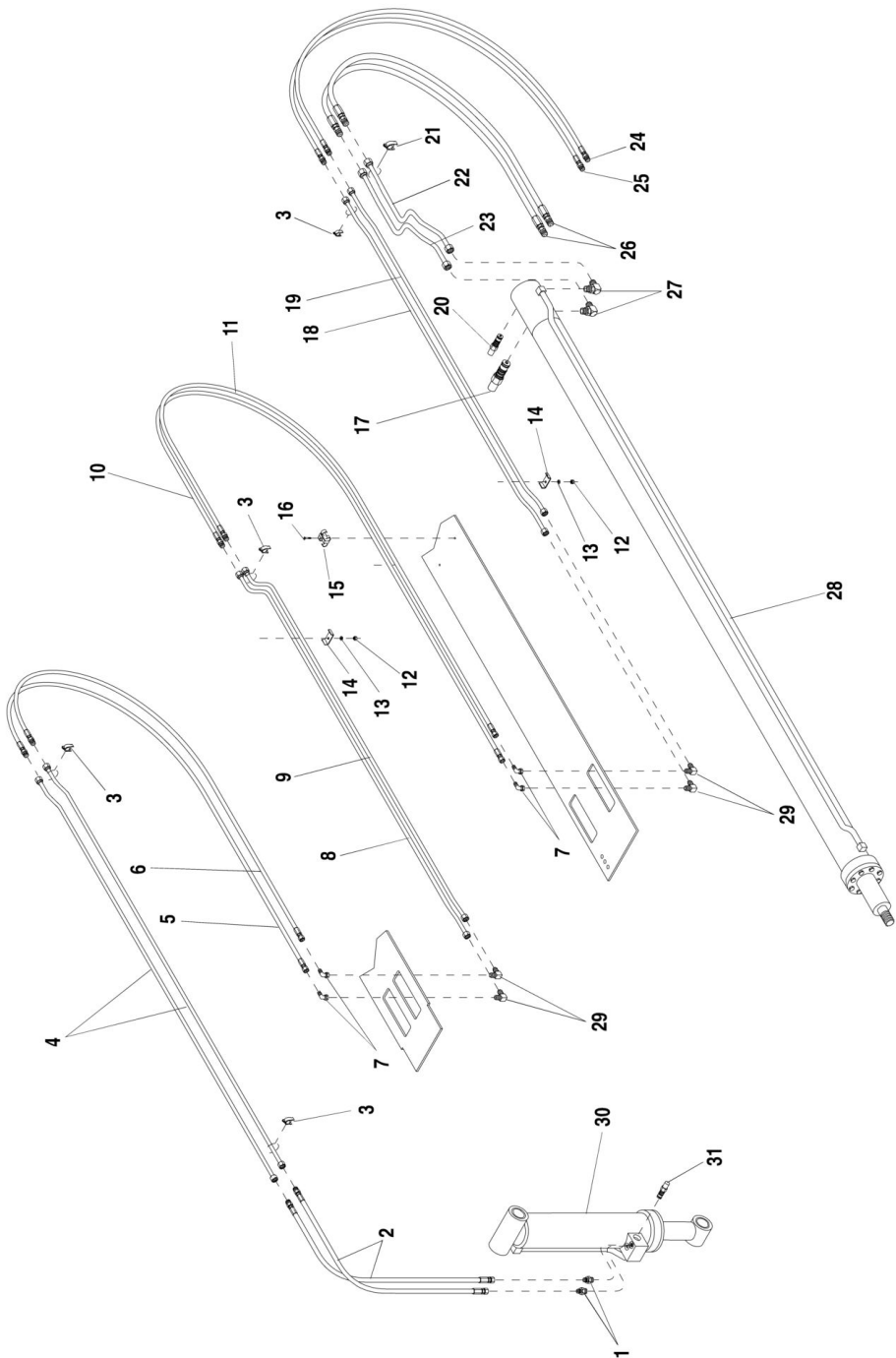
SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-35. BOOM HYDRAULIC CIRCUIT (4-SECTION) (1044C-54) (1044C-54 SN 932 to Present, Including 922 and 930)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	10729947	1	Cartridge, Counterbalance Valve	
1	2900770	1	Seal Kit for Item 1	
2	10234836	1	Cylinder, Front Carriage Tilt (See FRONT CARRIAGE TILT CYLINDER ASSEMBLY for Breakdown)	
3	10718964	18	Connector, O-Ring	
4	10266347	1	Quick Coupler (Incl dust caps and male connectors)	
5	10701312	9	Lockwasher, 1/2in	
6	10700404	1	Capscrew, Hx, 1/2in-13 x 1 1/2in	
7	10701510	1	Nut, Hx, 1/2in-13	
8	10837289	2	Hyd Hose, 1/2in	
9	10868104	2	Hyd Hose, 1/2in	
10	1101513	4	Shaft Collar, Split	
11	91083217	16	Clamp, Cushion	
12	10238747	4	Hyd Tube, 5/8in O.D.	
13	1100379	18	Hose, Heater, 3in	
14	10717989	18	Cable Tie	
15	10868105	4	Hyd Hose, 1/2in	
16	10165944	4	Hyd Manifold	
17	10727937	8	Plug, O-Ring	
18	10701406	4	Flatwasher, 1/2in	
19	10700407	8	Capscrew, Hx, 1/2in-13 x 2 1/4in	
20	10238757	4	Hyd Tube, 5/8in O.D.	
21	10720496	AR	Cable Tie	
22	10167485	2	Hold Down, Hose	
23	1101511	2	Sleeve, Nylon (2 Hose)	
24	10138930	8	Tube Clamp	
25	1100990	4	Hyd Hose, 1/2in	
26	10701452	4	Washer, Fender, 1/4in x 1-1/4in	
27	10705002	2	Locknut, 3/8in-16	
28	1101518	4	Spacer, Hose Clamp	
29	10705000	4	Locknut, 1/4in-20	
30	10730444	1	Cartridge, Counterbalance Valve	
30	10740491	1	Seal Kit for Item 30	
31	10265086	2	Hyd Tube, 5/8in O.D.	
32	10265087	2	Hyd Tube, 5/8in O.D.	
33	10727827	1	Cartridge, Counterbalance Valve	
33	10730927	1	Seal Kit for Item 33	
34	90207463	2	Clamp, Cushion	
35	10238133	1	Hyd Tube, 3/4in O.D.	
36	10238132	1	Hyd Tube, 3/4in O.D.	
37	10837522	1	Hyd Hose, 1/2in	
38	10837521	1	Hyd Hose, 1/2in	
39	10837186	2	Hyd Hose, 1/2in	
40	10837189	2	Hyd Hose, 3/4in	
41	10717802	2	90, Elbow, O-Ring	
42	10234843	1	Cylinder, Boom Extension (Replaces 34816B) (See BOOM EXTENSION CYLINDER ASSEMBLY (4-SECTION) for Breakdown)	

SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-36. BOOM HYDRAULIC CIRCUIT (4-SECTION) (10K-54) (10K-54 SN 101 through 102)



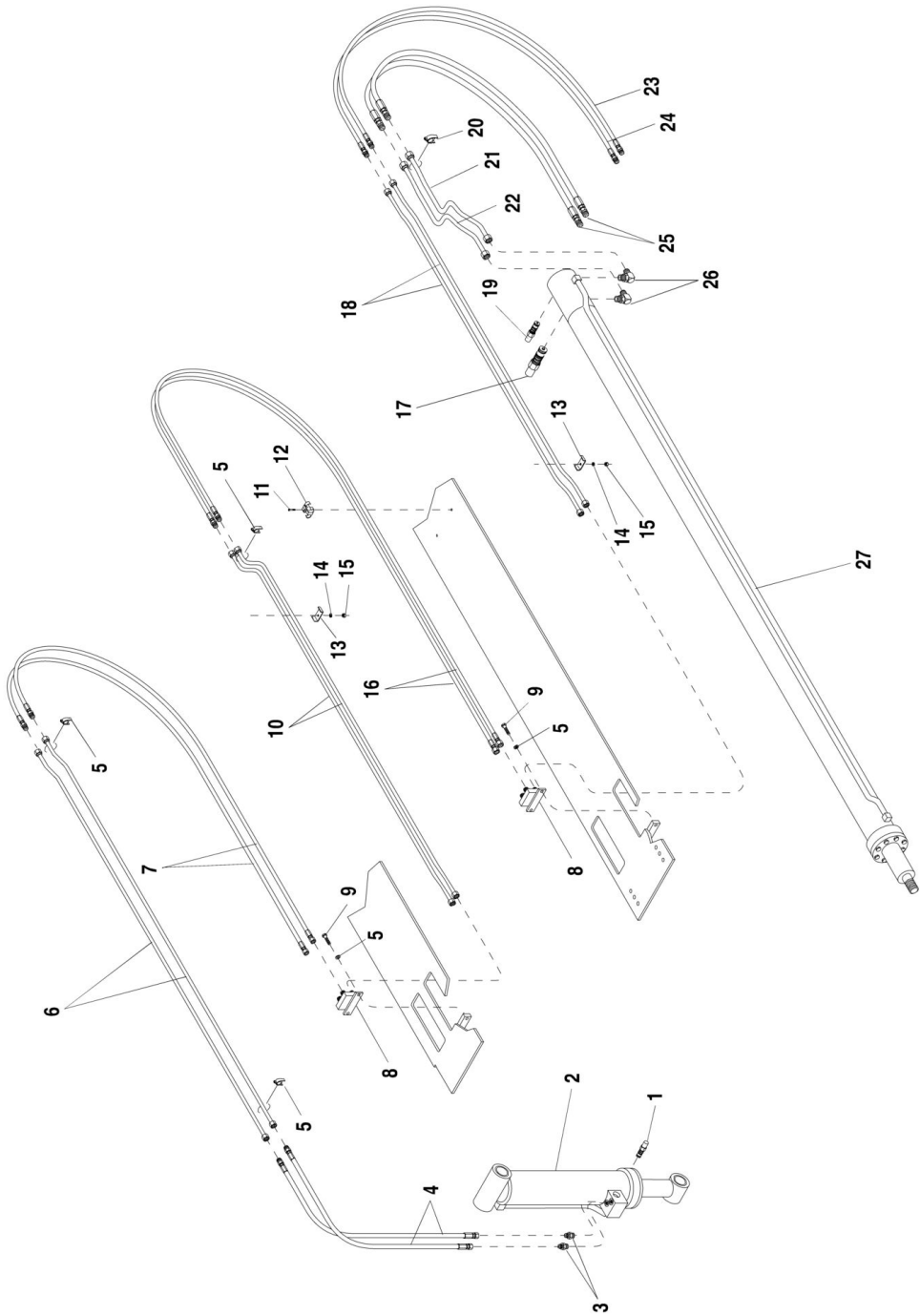
SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-36. BOOM HYDRAULIC CIRCUIT (4-SECTION) (10K-54) (10K-54 SN 101 through 102)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P18964	2	Connector, O-Ring	
2	37289X	2	Hyd Hose, 1/2in	
3	91083217	16	Clamp, Cushion	
4	38747B	2	Hyd Tube, 5/8in O.D.	
5	37547X	1	Hyd Hose, 1/2in	
6	37548X	1	Hyd Hose, 1/2in	
7	P21632	4	90, Elbow, Swivel	
8	38757B	1	Hyd Tube, 5/8in O.D.	
9	38756B	1	Hyd Tube, 5/8in O.D.	
10	37545X	1	Hyd Hose, 1/2in	
11	37546X	1	Hyd Hose, 1/2in	
12	P01507	5	Nut, Hx, 5/16in-18	
13	P01309	5	Lockwasher, 5/16in	
14	38930A	5	Tube Clamp	
15	P40074	2	Tee-Clip 5/8in - 3/4in	
16	P03038	2	Screw, Flathead, #10-24 x 1in	
17	P30444	1	Cartridge, Counterbalance Valve	
17	P30927	1	Seal Kit for Item 17	
18	38751B	1	Hyd Tube, 5/8in O.D.	
19	38750B	1	Hyd Tube, 5/8in O.D.	
20	P27827	1	Cartridge, Counterbalance Valve	
20	P40491	1	Seal Kit for Item 20	
21	90207463	6	Clamp, Cushion	
22	38133B	1	Hyd Tube, 3/4in O.D.	
23	38132B	1	Hyd Tube, 3/4in O.D.	
24	37522X	1	Hyd Hose, 1/2in	
25	37521X	1	Hyd Hose, 1/2in	
26	37189X	2	Hyd Hose, 3/4in	
27	P17802	2	90, Elbow, O-Ring	
28	34843B	1	Cylinder, Boom Extension (Replaces 34816B) (See BOOM EXTENSION CYLINDER ASSEMBLY (4-SECTION) for Breakdown)	
29	P18961	8	90, Elbow, Union	
30	34820B	1	Cylinder, Front Carriage Tilt (See FRONT CARRIAGE TILT CYLINDER ASSEMBLY for Breakdown)	
31	P29947	1	Cartridge, Counterbalance Valve	
31	P40484	1	Seal Kit for Item 31	

SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-37. BOOM HYDRAULIC CIRCUIT (4-SECTION) (10K-54) (10K-54 SN 103 through 111, Including 114)



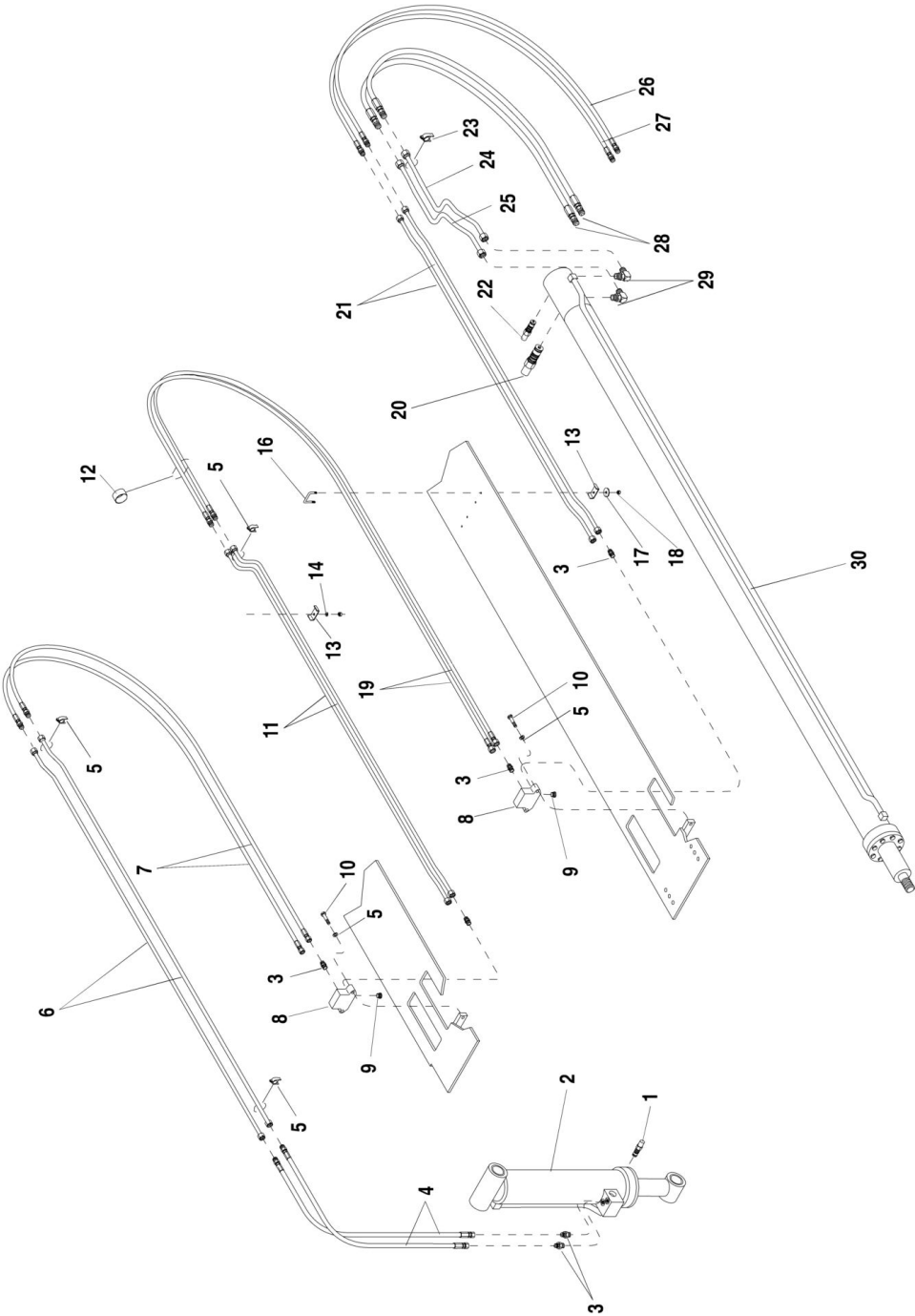
SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-37. BOOM HYDRAULIC CIRCUIT (4-SECTION) (10K-54) (10K-54 SN 103 through 111, Including 114)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P29947	1	Cartridge, Counterbalance Valve	
1	P40484	1	Seal Kit for Item 1	
2	34836B	1	Cylinder, Front Carriage Tilt (See FRONT CARRIAGE TILT CYLINDER ASSEMBLY for Breakdown)	
3	P18964	2	Connector, O-Ring	
4	37289X	2	Hyd Hose, 1/2in	
5	91083217	8	Clamp, Cushion	
6	38747B	2	Hyd Tube, 5/8in O.D.	
7	10868105	2	Hyd Hose, 1/2in	
8	65081B	2	Hyd Manifold	
9	P00402	8	Capscrew, Hx, 1/2in-13 x 1in	
10	38757B	2	Hyd Tube, 5/8in O.D.	
11	P03038	2	Screw, Flathead, #10-24 x 1in	
12	P40074	2	Tee-Clip 5/8in - 3/4in	
13	38930A	5	Tube Clamp	
14	P01309	5	Lockwasher, 5/16in	
15	P01507	5	Nut, Hx, 5/16in-18	
16	1100990	2	Hyd Hose, 1/2in	
17	P30444	1	Cartridge, Counterbalance Valve	
17	P40491	1	Seal Kit for Item 17	
18	65087B	2	Hyd Tube, 5/8in O.D.	
19	P27827	1	Cartridge, Counterbalance Valve	
19	P30927	1	Seal Kit for Item 19	
20	90207463	8	Clamp, Cushion	
21	38133B	1	Hyd Tube, 3/4in O.D.	
22	38132B	1	Hyd Tube, 3/4in O.D.	
23	37522X	1	Hyd Hose, 1/2in	
24	37521X	1	Hyd Hose, 1/2in	
25	37189X	2	Hyd Hose, 3/4in	
26	P17802	2	90, Elbow, O-Ring	
27	34843B	1	Cylinder, Boom Extension (Replaces 34816B) (See BOOM EXTENSION CYLINDER ASSEMBLY (4-SECTION) for Breakdown)	

SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-38. BOOM HYDRAULIC CIRCUIT (4-SECTION) (10K-54) (10K-54 SN 112 through 133, Excluding 114)



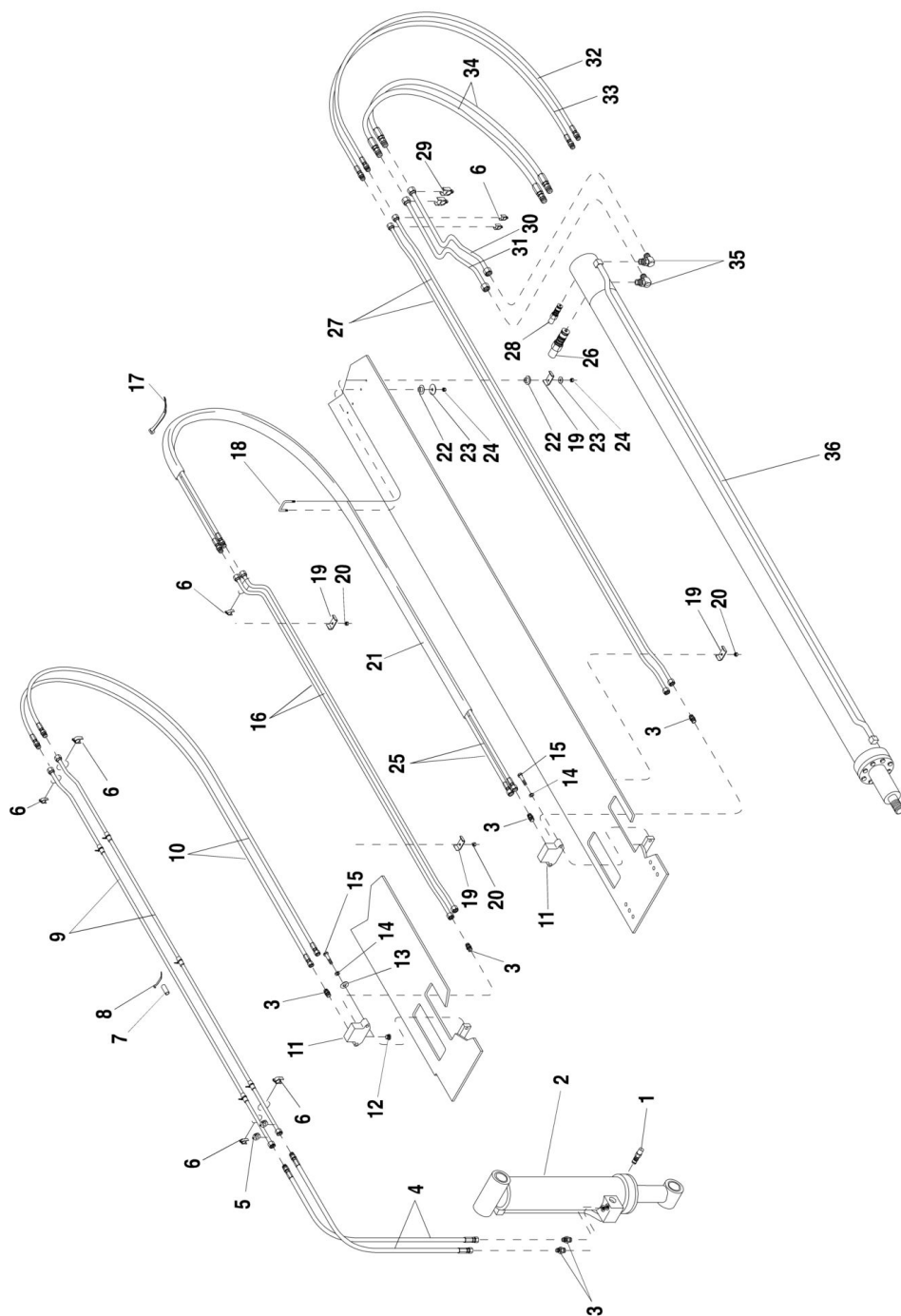
SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-38. BOOM HYDRAULIC CIRCUIT (4-SECTION) (10K-54) (10K-54 SN 112 through 133, Excluding 114)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P29947	1	Cartridge, Counterbalance Valve	
1	P40484	1	Seal Kit for Item 1	
2	34836B	1	Cylinder, Front Carriage Tilt (See FRONT CARRIAGE TILT CYLINDER ASSEMBLY for Breakdown)	
3	P18964	10	Connector, O-Ring	
4	37289X	2	Hyd Hose, 1/2in	
5	91083217	8	Clamp, Cushion	
6	38747B	2	Hyd Tube, 5/8in O.D.	
7	10868105	2	Hyd Hose, 1/2in	
8	65944A	2	Hyd Manifold	
9	P27937	4	Plug, O-Ring	
10	P00402	8	Capscrew, Hx, 1/2in-13 x 1in	
11	38757B	2	Hyd Tube, 5/8in O.D.	
12	37727X	1	Clamp, Power Grip	
13	38930A	5	Tube Clamp	
14	P01309	5	Lockwasher, 5/16in	
15	P01507	5	Nut, Hx, 5/16in-18	
16	67485A	1	Hose Hold Down Rod	
17	P01454	1	Washer, Fender, 1/4in x 1-1/2in	
18	P05000	1	Locknut, Hx, 1/4in-20	
19	1100990	2	Hyd Hose, 1/2in	
20	P30444	1	Cartridge, Counterbalance Valve	
20	P40491	1	Seal Kit for Item 20	
21	65087B	2	Hyd Tube, 5/8 O.D.	
22	P27827	1	Cartridge, Counterbalance Valve	
22	P30927	1	Seal Kit for Item 22	
23	90207463	8	Clamp, Cushion	
24	38133B	1	Hyd Tube, 3/4in O.D.	
25	38132B	1	Hyd Tube, 3/4in O.D.	
26	37522X	1	Hyd Hose, 1/2in	
27	37521X	1	Hyd Hose, 1/2in	
28	37189X	2	Hyd Hose, 3/4in	
29	P17802	2	90, Elbow, O-Ring	
30	34843B	1	Cylinder, Boom Extension (Replaces 34816B) (See BOOM EXTENSION CYLINDER ASSEMBLY (4-SECTION) for Breakdown)	

SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-39. BOOM HYDRAULIC CIRCUIT (4-SECTION) (10K-54) (10K-54 SN 134 to Present)



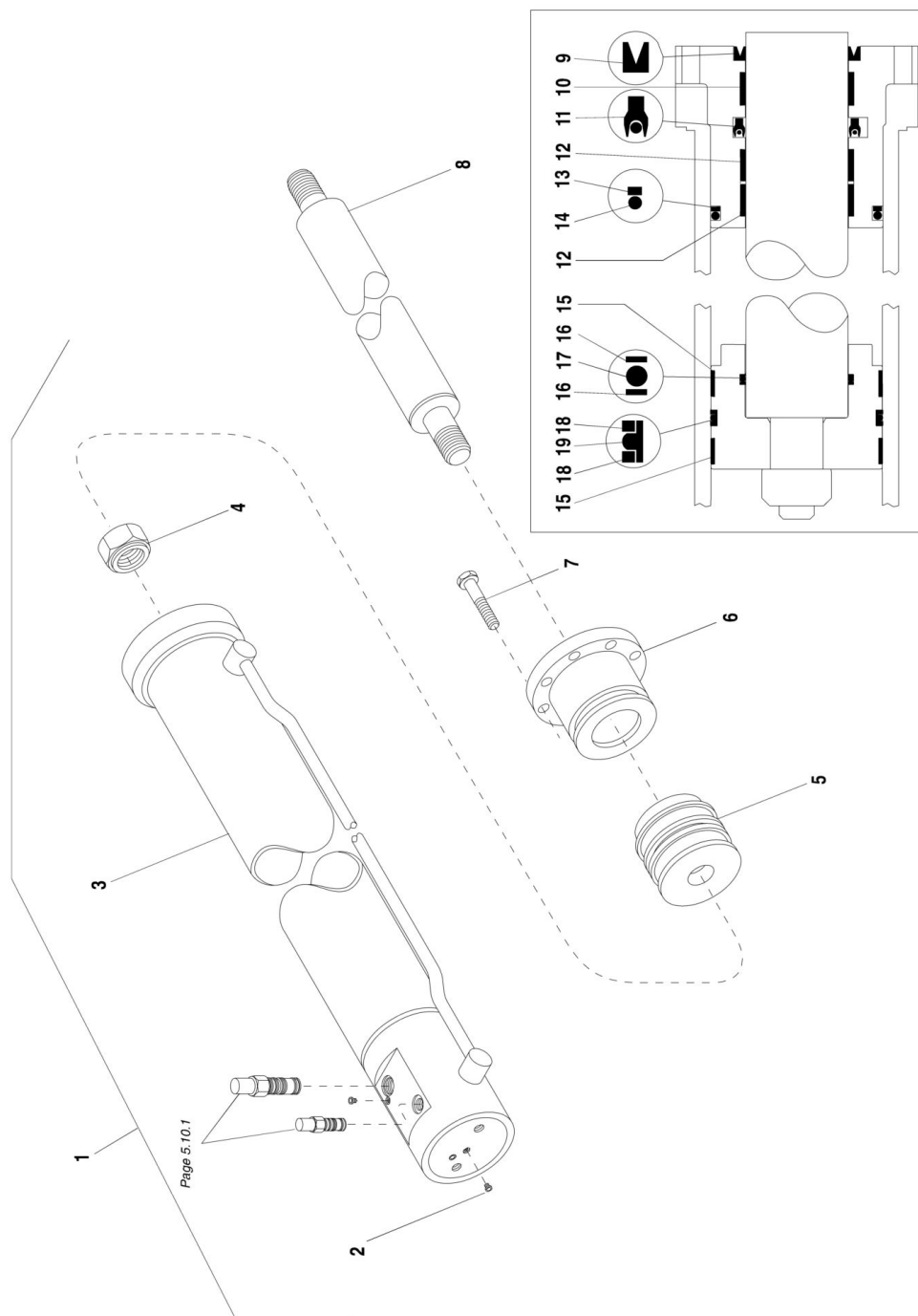
SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-39. BOOM HYDRAULIC CIRCUIT (4-SECTION) (10K-54) (10K-54 SN 134 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	10729947	1	Cartridge, Counterbalance Valve	
1	2900770	1	Seal Kit for Item 1	
2	10234836	1	Cylinder, Front Carriage Tilt (See FRONT CARRIAGE TILT CYLINDER ASSEMBLY for Breakdown)	
3	10718964	10	Connector, O-Ring	
4	10837289	2	Hyd Hose, 1/2in	
5	1101513	2	Shaft Collar, Split	
6	91083217	8	Clamp, Cushion	
7	1100379	6	Hose, Heater, 3in	
8	10717989	6	Cable Tie, 6in	
9	10238747	2	Hyd Tube, 5/8in O.D.	
10	10868105	2	Hyd Hose, 1/2in	
11	10165944	2	Hyd Manifold	
12	10727937	4	Plug, O-Ring	
13	10701437	2	Washer, Flat, 1/2in	
14	10701312	4	Washer, Lock, 1/2in	
15	10700407	4	Capscrew, Hx, 1/2in-13 x 2 1/4in	
16	10238757	2	Hyd Tube, 5/8in O.D.	
17	10720469	AR	Cable Tie, 12in	
18	10167485	1	Rod, Hose Hold Down	
19	10138930	4	Clamp, Tube	
20	10705002	4	Nut, Top Lock, 3/8in-16	
21	1101511	1	Sleeve, Nylon (2 Hose)	
22	1101518	4	Spacer, Hose Clamp	
23	10701454	2	Washer, Fender, 1/4in x 1-1/2in	
24	10705000	2	Locknut, Hx, 1/4in-20	
25	1100990	2	Hyd Hose, 1/2in	
26	10730444	1	Cartridge, Counterbalance Valve	
26	10740491	1	Seal Kit for Item 26	
27	10265087	2	Hyd Tube, 5/8in O.D.	
28	10727827	1	Cartridge, Counterbalance Valve	
28	10730927	1	Seal Kit for Item 28	
29	90207463	2	Clamp, Cushion	
30	10238133	1	Hyd Tube, 3/4in O.D.	
31	10238132	1	Hyd Tube, 3/4in O.D.	
32	10837522	1	Hyd Hose, 1/2in	
33	10837521	1	Hyd Hose, 1/2in	
34	10837189	2	Hyd Hose, 3/4in	
35	10717802	2	90, Elbow, O-Ring	
36	10234843	1	Cylinder, Boom Extension (Replaces 34816B) (See BOOM EXTENSION CYLINDER ASSEMBLY (4-SECTION) for Breakdown)	

SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-40. BOOM EXTENSION CYLINDER ASSEMBLY (4-SECTION) (1044C-54,10K-54) (1044C-54 SN 101 through 1389, SN 16039 through 16470; 10K-54 SN 101 to Present)



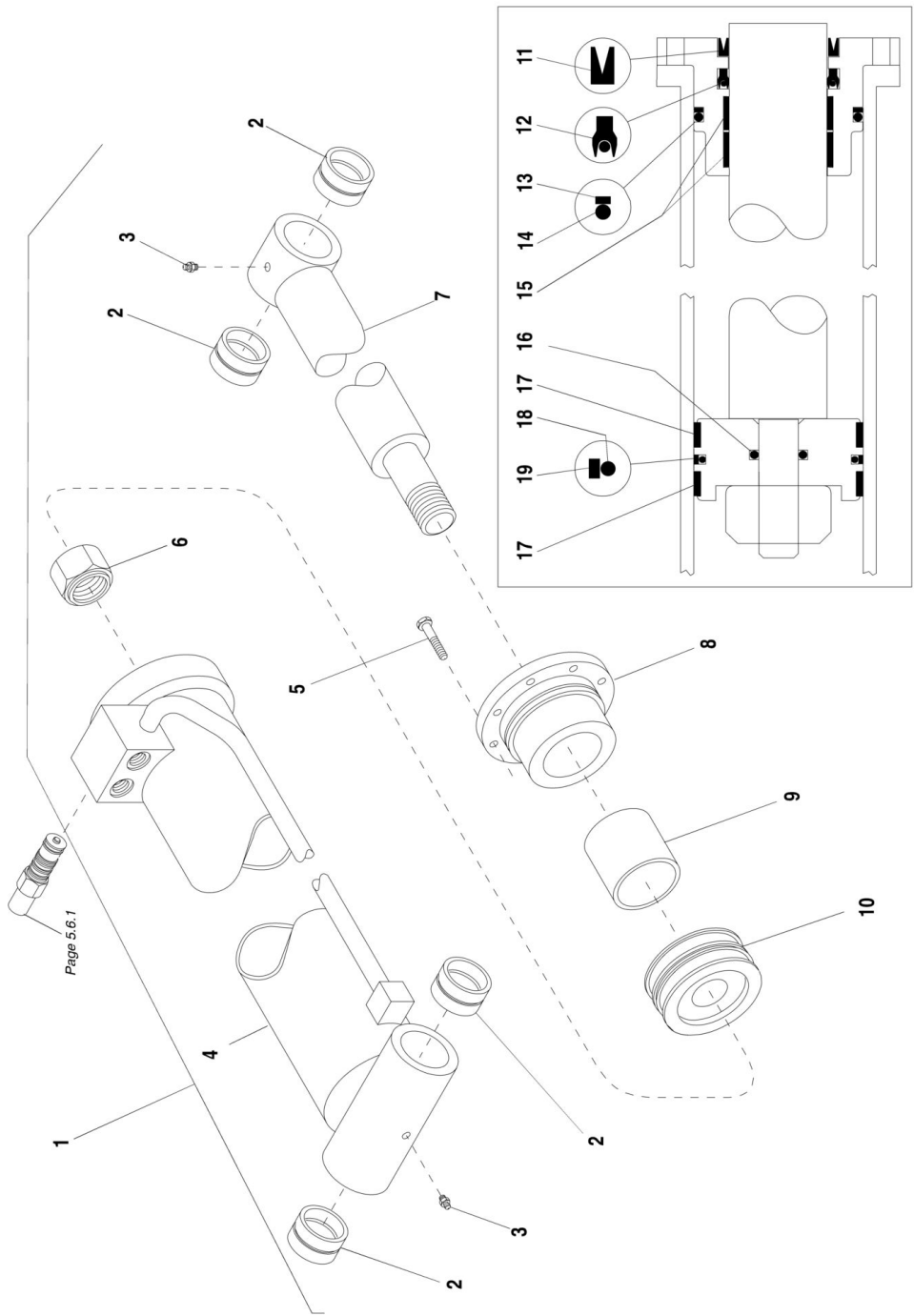
SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-40. BOOM EXTENSION CYLINDER ASSEMBLY (4-SECTION) (1044C-54,10K-54) (1044C-54 SN 101 through 1389, SN 16039 through 16470; 10K-54 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	34843B	-	Cylinder Assembly, Boom Extension	
2	P27933	4	O-Ring Plug, Hollow Hex	
3	P32255	1	Barrel Weldment (Note: Use P32254 for 1044C-54, 101 through 143)	
4	P40460	1	Nut, Crownlock	
5	P32275	1	Piston	
6	P32283	1	Head, Rod Bearing	
7	P00481	8	Capscrew, Hx, 1/2in-20 x 1 1/2in, GR8	
8	P32267	1	Rod	
9	N.S.S	1	Wiper	
10	N.S.S	1	Wear Ring	
11	N.S.S	1	Seal	
12	N.S.S	2	Wear Ring	
13	N.S.S	1	Back-Up Ring	
14	N.S.S	1	O-Ring	
15	N.S.S	2	Wear Ring	
16	N.S.S	2	Back-Up Ring	
17	N.S.S	1	O-Ring	
18	N.S.S	2	Back-Up Ring	
19	N.S.S	1	Piston Seal	
Ref	P32303	1	Seal Kit (Includes Items 9-19)	
		Ref	N.S.S. = Not Sold Separately.	

SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-41. FRONT CARRIAGE TILT CYLINDER ASSEMBLY (644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 844C-42 SN 101 to Present; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present; 8K-42 SN 101 to Present)



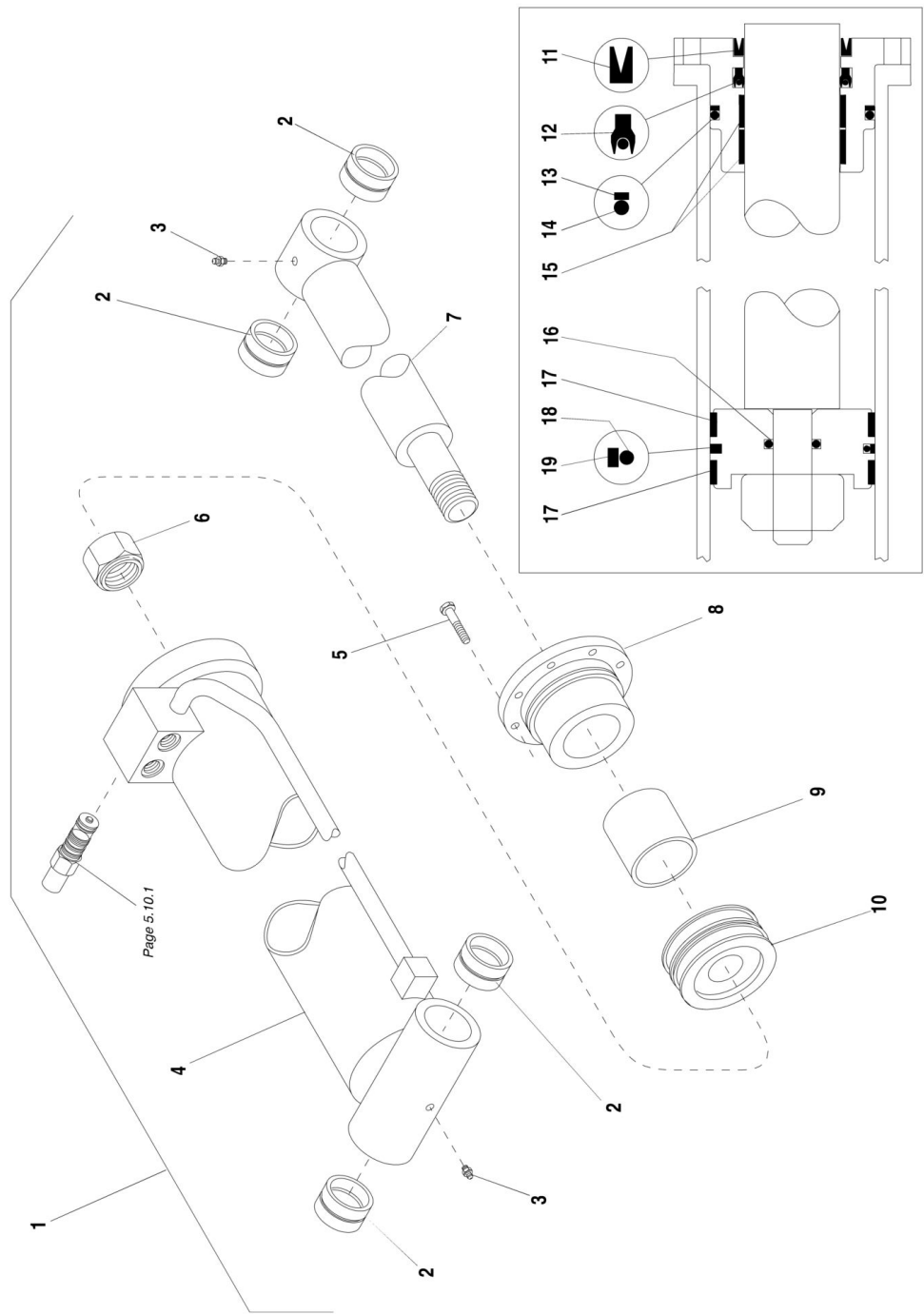
SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-41. FRONT CARRIAGE TILT CYLINDER ASSEMBLY (644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 844C-42 SN 101 to Present; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present; 8K-42 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	34835B	-	Cylinder Assembly, Front Carriage Tilt (Replaces 34820B)	
2	P19106	4	Bushing	
3	P16611	2	Grease Fitting	
4	P32252	1	Barrel Weldment (Replaces P30618)	
5	P00481	8	Capscrew, Hx, 1/2in-20 1 x 1/2in, GR8	
6	P40460	1	Nut, Crownlock	
7	P30639	1	Rod Weldment	
8	P30674	1	Head, Rod Bearing	
9	P30688	1	Stroke Limiter	
10	P29878	1	Piston	
11	N.S.S	1	Wiper	
12	N.S.S	1	Seal	
13	N.S.S	1	Back-Up Ring	
14	N.S.S	1	O-Ring	
15	N.S.S	2	Wear Ring	
16	N.S.S	1	O-Ring	
17	N.S.S	2	Wear Ring	
18	N.S.S	1	O-Ring	
19	N.S.S	1	Piston Seal	
Ref	P30653	1	Seal Kit (Includes Items 11-19)	
		Ref	N.S.S. = Not Sold Separately.	

SECTION 5 - BOOM AND TRANSFER HYDRAULICS

FIGURE 5-42. FRONT CARRIAGE TILT CYLINDER ASSEMBLY (1044C-42,1044C-54,10K-42,10K-54)
(1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)



SECTION 5 - BOOM AND TRANSFER HYDRAULICS

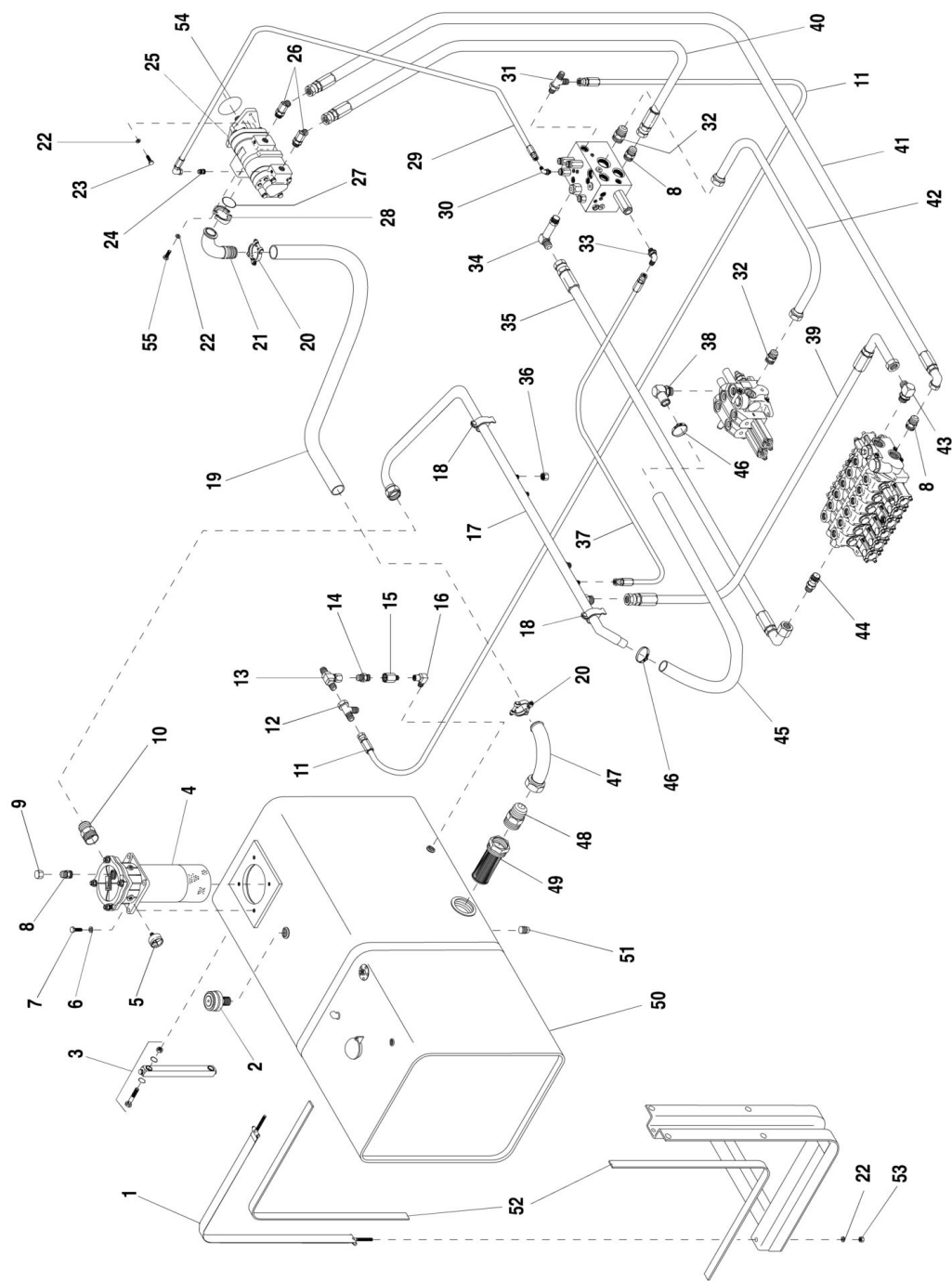
**FIGURE 5-42. FRONT CARRIAGE TILT CYLINDER ASSEMBLY (1044C-42,1044C-54,10K-42,10K-54)
(1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	34836B	-	Cylinder Assembly, Front Carriage Tilt (Replaces 34824B)	
2	P19106	4	Bushing	
3	P16611	2	Grease Fitting	
3	P15367	-	Grease Fitting 45	
4	P32253	1	Barrel Weldment (Replaces P32251)	
5	P00432	12	Capscrew, Hx, 1/2in-13 x 1 3/4in, GR8	
6	P40461	1	Nut, Crownlock	
7	P32264	1	Rod Weldment	
8	P32280	1	Head, Rod Bearing	
9	P32292	1	Stroke Limiter	
10	P29877	1	Piston	
11	N.S.S.	1	Wiper	
12	N.S.S.	1	Seal	
13	N.S.S.	1	Back-Up Ring	
14	N.S.S.	1	O-Ring	
15	N.S.S.	2	Wear Ring	
16	N.S.S.	1	O-Ring	
17	N.S.S.	2	Wear Ring	
18	N.S.S.	1	O-Ring	
19	N.S.S.	1	Piston Seal	
Ref	P32302	1	Seal Kit (Includes Items 11-19)	
		Ref	N.S.S. = Not Sold Separately.	

**SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE
COMPONENTS**

SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-1. PUMP, SUCTION - RETURN HYDRAULIC CIRCUIT (644B-37,644B-42,6K-37,6K-42)
(644B-37 SN 101 through 666, Excluding 591; 644B-42 SN 101 through 207; 6K-37 SN 101 through 211, SN 281 through 317; 6K-42 SN 101 through 119)



SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

**FIGURE 6-1. PUMP, SUCTION - RETURN HYDRAULIC CIRCUIT (644B-37,644B-42,6K-37,6K-42)
(644B-37 SN 101 through 666, Excluding 591; 644B-42 SN 101 through 207; 6K-37 SN 101 through
211, SN 281 through 317; 6K-42 SN 101 through 119)**

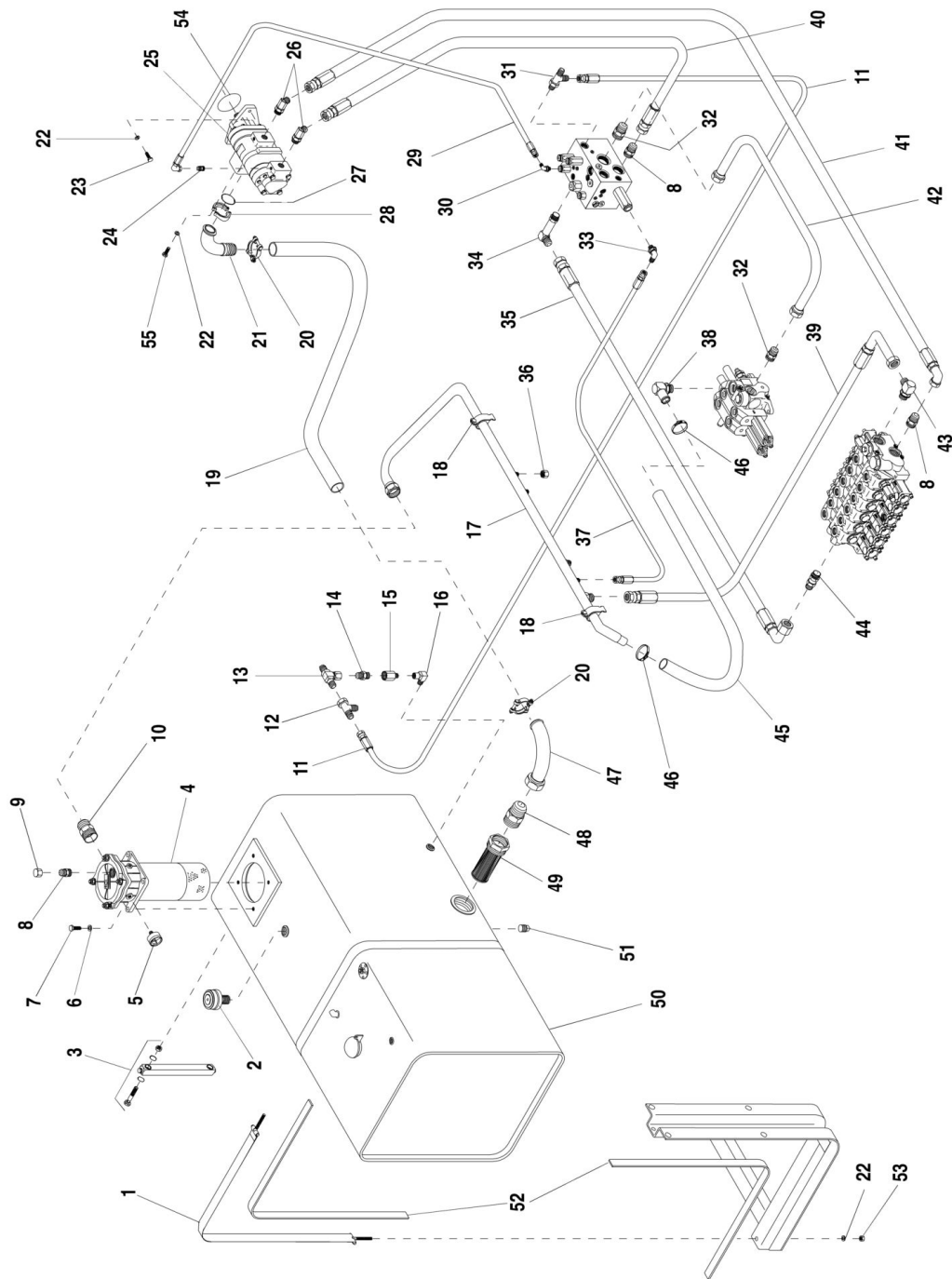
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	36181B	2	Strap, Tank Hold Down	
2	P21674	1	Breather, Hydraulic Tank	
3	P27809	1	Sight Gauge, Hydraulic Oil	
4	66328B	1	Return Filter, Hydraulic Oil (Includes Item 5) (See HYDRAULIC RETURN LINE FILTERASSEMBLY for Breakdown) (Note: Replaces P27808. Includes P28819; Connector O-Ring) (Replaces Item 10; P27397)	
5	P24981	1	Gauge, Pressure	
6	P01310	4	Lockwasher, 3/8in	
7	P00204	4	Capscrew, Hx, 3/8in-16 x 1in	
8	P17805	3	Connector, O-Ring	
9	P17785	1	Cap, Hex	
10	P27397	1	Connector, JIC - Pipe	
11	P23885	1	Hyd Hose, 3/8in x 30in	
12	P20979	1	Tee, Swivel	
13	P18934	1	Tee, Swivel Branch	
14	20212A	1	Check Valve	
15	P28391	1	Adapter, O-Ring - Pipe	
16	P28877	1	90, Elbow, Street	
17	65485B	1	Return Manifold (Replaces 36473B)	
18	P20485	2	Clamp, Cushion	
19	N12349	1	Hose, Suction - 2in I.D.	
20	P26026	2	Hose Clamp, Bolt Type	
21	P20892	1	Flange Hd Connector, 90, Elbow	
22	P01312	16	Lockwasher, 1/2in	
23	P00403	2	Capscrew, Hx, 1/2in-13 x 1 1/4in	
24	P18960	1	Connector, O-Ring	
25	P21423	1	Pump, Gear (Used w/Turbo Engines)	
25	P31449	-	Pump, Gear (Used w/Natural Engines)	
26	P19147	2	45, Elbow, O-Ring	
27	P12971	1	O-Ring	
28	14315A	2	Flange Half	
29	P27181	1	Hyd Hose, 1/4in x 30in	
30	P19248	1	90, Elbow, O-Ring	
31	P21914	1	Tee, O-Ring	
32	P25693	2	Connector, O-Ring	
33	P18935	1	90, Elbow, O-Ring	
34	P33165	1	90, Elbow, O-Ring (Long)	
35	37266X	1	Hyd Hose, 3/4in x 40in 2 & 3 Section Valves	
35	37158X	-	Hyd Hose, 3/4in x 34in 4 & 5 Section Valves	
35	P29755		Hyd Hose, 3/4in x 33in 6 Section Valves	
35	P29164		Hyd Hose, 3/4in x 33in 7 Section Valves	
36	P18929	1	Cap, Hex	
37	P27163	1	Hyd Hose, 1/4in x 17in	
38	P28387	1	90, Elbow, O-Ring - Hose	
39	37256X	1	Hyd Hose, 3/4in x 44in	
40	37258X	1	Hyd Hose, 3/4in x 29in	
41	37257X	1	Hyd Hose, 3/4in x 61in	

SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
42	36356B	1	Hyd Tube 1in O.D.	
43	P17802	1	90, Elbow, O-Ring	
44	P24614	1	Connector, O-Ring (Long) 4 Section Valves	
44	P17805	-	Connector, O-Ring 2, 3 & 5 Section Valves	
44	P17802	-	90, Elbow, O-Ring 7 Section Valves	
45	N12345	1	Hose, Return - 1 1/4in I.D.	
46	P14043	4	Hose Clamp	
47	P27469	1	Elbow, Suction Tube	
48	P26606	1	Connector, JIC - Pipe	
49	P19878	1	Strainer, Hydraulic Oil	
50	25840D	1	Tank, Fuel/Hydraulic (Includes Item 51)	
51	P10279	2	Drain Plug, Pipe	
52	67139A	4	Belting, Hyd/Fuel Tank (Replaces N12344)	
53	P01510	4	Nut, Hx, 1/2in-13	
54	P18602	1	O-Ring	
55	P00404	4	Capscrew, Hx, 1/2in-13 x 1 1/2in	

SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-2. PUMP, SUCTION - RETURN HYDRAULIC CIRCUIT (6K-37) (6K-37 SN 212 through 280)



SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-2. PUMP, SUCTION - RETURN HYDRAULIC CIRCUIT (6K-37) (6K-37 SN 212 through 280)

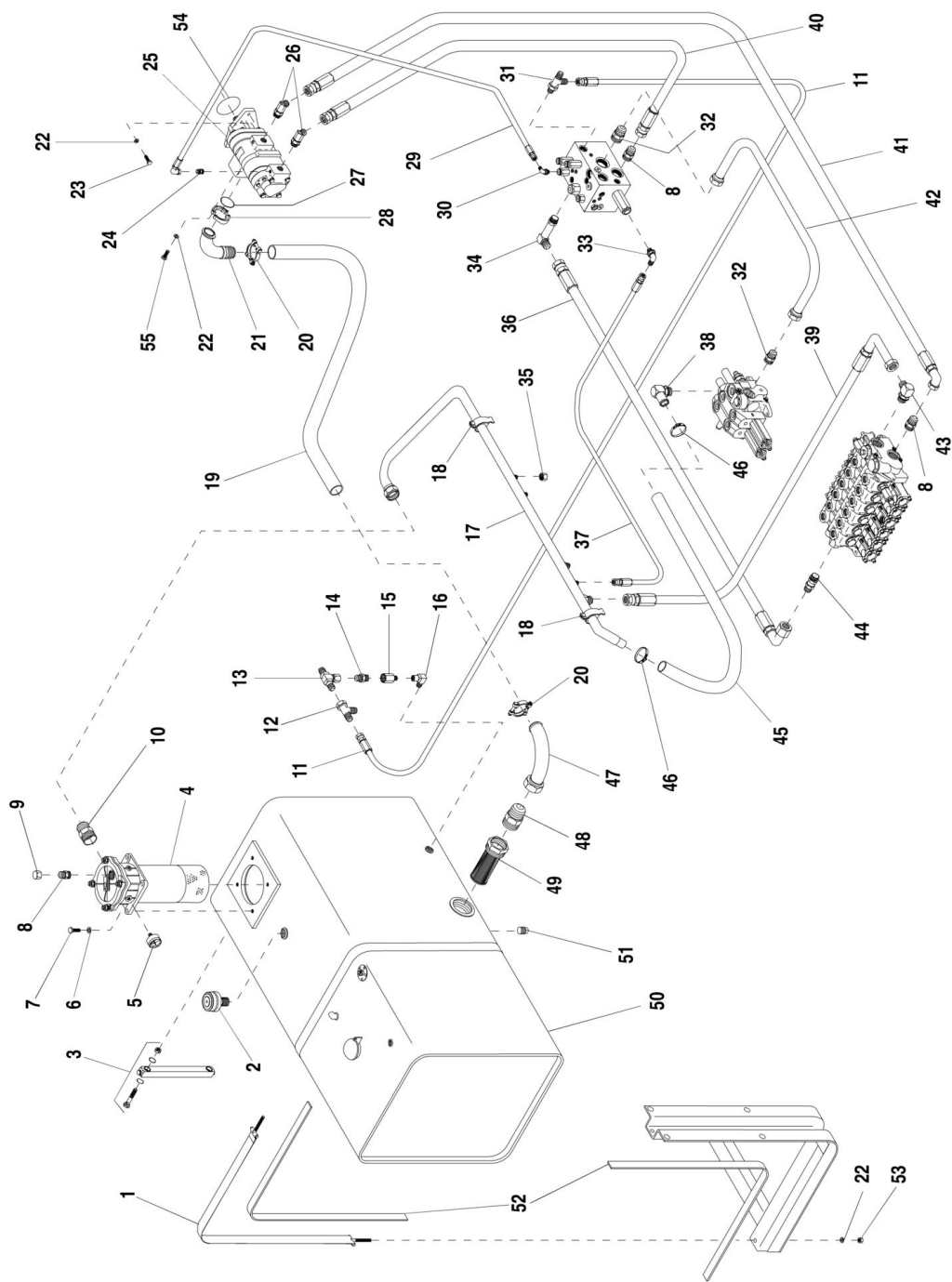
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	39442B	2	Strap, Tank Hold Down	
2	P21674	1	Breather, Hydraulic Tank	
3	P21482	1	Sight Gauge, Hydraulic Oil	
4	66328B	1	Return Filter, Hydraulic Oil (Includes Item 5) (See HYDRAULIC RETURN LINE FILTER ASSEMBLY for Breakdown) (Note: Replaces P27808. Includes P28819; Connector O-Ring (Replaces Item 10; P27397))	
5	P24981	1	Gauge, Pressure	
6	P01310	4	Lockwasher, 3/8in	
7	P00204	4	Capscrew, Hx, 3/8in-16 x 1in	
8	P17805	3	Connector, O-Ring	
9	P17785	1	Cap, Hex	
10	P27397	1	Connector, JIC - Pipe	
11	P23885	1	Hyd Hose, 3/8in x 30in	
12	P20979	1	Tee, Swivel	
13	P18934	1	Tee, Swivel Branch	
14	20212A	1	Check Valve	
15	P28391	1	Adapter, O-Ring - Pipe	
16	P28877	1	90, Elbow, Street	
17	65485B	1	Return Manifold (Replaces 36473B)	
18	P20485	2	Clamp, Cushion	
19	N12349	1	Hose, Suction - 2in I.D.	
20	P26026	2	Hose Clamp, Bolt Type	
21	P20892	1	Flange Hd Connector, 90, Elbow	
22	P01312	16	Lockwasher, 1/2in	
23	P00403	2	Capscrew, Hx, 1/2in-13 x 1 1/4in	
24	P18960	1	Connector, O-Ring	
25	P21423	1	Pump, Gear (Used w/Turbo Engines)	
25	P31449	-	Pump, Gear (Used w/Natural Engines)	
26	P19147	2	45, Elbow, O-Ring	
27	P12971	1	O-Ring	
28	14315A	2	Flange Half	
29	P27181	1	Hyd Hose, 1/4in x 30in	
30	P19248	1	90, Elbow, O-Ring	
31	P21914	1	Tee, O-Ring	
32	P25693	2	Connector, O-Ring	
33	P18935	1	90, Elbow, O-Ring	
34	P33165	1	90, Elbow, O-Ring (Long)	
35	37266X	1	Hyd Hose, 3/4in x 40in 2 & 3 Section Valves	
35	37158X	-	Hyd Hose, 3/4in x 34in 4 & 5 Section Valves	
35	P29755		Hyd Hose, 3/4in x 33in 6 Section Valves	
35	P29164		Hyd Hose, 3/4in x 33in 7 Section Valves	
36	P18929	1	Cap, Hex	
37	P27163	1	Hyd Hose, 1/4in x 17in	
38	P28387	1	90, Elbow, O-Ring - Hose	
39	37256X	1	Hyd Hose, 3/4in x 44in	
40	37258X	1	Hyd Hose, 3/4in x 29in	
41	37257X	1	Hyd Hose, 3/4in x 61in	
42	36356B	1	Hyd Tube 1in O.D.	
43	P17802	1	90, Elbow, O-Ring	

SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	P24614	1	Connector, O-Ring (Long) 4 Section Valves	
44	P17805	-	Connector, O-Ring 2, 3 & 5 Section Valves	
44	P17802	-	90, Elbow, O-Ring 7 Section Valves	
45	N12345	1	Hose, Return - 1 1/4in I.D.	
46	P14043	4	Hose Clamp	
47	P27469	1	Elbow, Suction Tube	
48	P26606	1	Connector, JIC - Pipe	
49	P19878	1	Strainer, Hydraulic Oil	
50	17100D	1	Tank, Fuel/Hydraulic (Includes Item 51)	
51	P10279	2	Drain Plug, Pipe	
52	67139A	4	Belting, Hyd/Fuel Tank (Replaces N12359)	
53	P01510	4	Nut, Hx, 1/2in-13	
54	P18602	1	O-Ring	
55	P00404	4	Capscrew, Hx, 1/2in-13 x 1 1/2in	

SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-3. PUMP, SUCTION - RETURN HYDRAULIC CIRCUIT (1044C-42,1044C-54,10K-42,10K-54,844C-42,8K-42) (844C-42 SN 101 through 621; 1044C-42 SN 101 through 116; 1044C-54 SN 101 through 154; 8K-42 SN 101 through 220; 10K-42 SN 101 through 106; 10K-54 SN 101 through 103)



SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-3. PUMP, SUCTION - RETURN HYDRAULIC CIRCUIT (1044C-42,1044C-54,10K-42,10K-54,844C-42,8K-42) (844C-42 SN 101 through 621; 1044C-42 SN 101 through 116; 1044C-54 SN 101 through 154; 8K-42 SN 101 through 220; 10K-42 SN 101 through 106; 10K-54 SN 101 through 103)

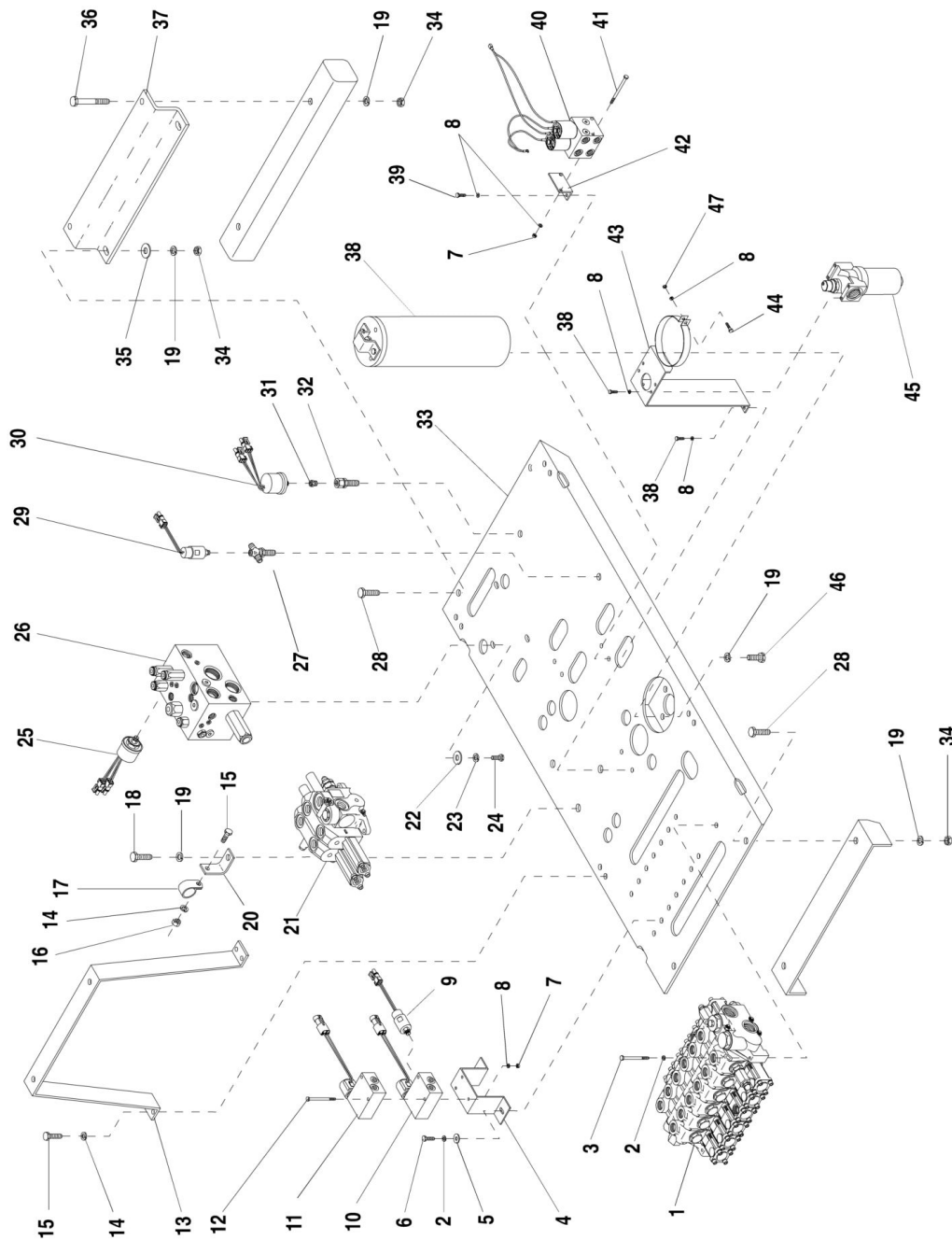
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	36181B	2	Strap, Tank Hold Down	
2	P21674	1	Breather, Hydraulic Tank	
3	P27809	1	Sight Gauge, Hydraulic Oil	
4	66328B	1	Return Filter, Hydraulic Oil (Includes Item 5) (See HYDRAULIC RETURN LINE FILTER ASSEMBLY for Breakdown) (Note: Replaces P27808. Includes P28819; Connector O-Ring (Replaces Item 10; P27397))	
5	P24981	1	Gauge, Pressure	
6	P01310	4	Lockwasher, 3/8in	
7	P00204	4	Capscrew, Hx, 3/8in-16 x 1in	
8	P17805	3	Connector, O-Ring	
9	P17785	1	Cap, Hex	
10	P27397	1	Connector, JIC - Pipe	
11	P23885	1	Hyd Hose, 3/8in x 30in	
12	P20979	1	Tee, Swivel	
13	P18934	1	Tee, Swivel Branch	
14	20212A	1	Check Valve	
15	P28391	1	Adapter, O-Ring - Pipe	
16	P28877	1	90, Elbow, Street	
17	65485B	1	Return Manifold (Replaces 36473B)	
18	P20485	2	Clamp, Cushion	
19	N12349	1	Hose, Suction - 2in I.D.	
20	P26026	2	Hose Clamp, Bolt Type	
21	P20892	1	Flange Hd Connector, 90, Elbow	
22	P01312	16	Lockwasher, 1/2in	
23	P00403	2	Capscrew, Hx, 1/2in-13 x 1 1/4in	
24	P18960	1	Connector, O-Ring	
25	P21423	1	Pump, Gear	
26	P19147	2	45, Elbow, O-Ring	
27	P12971	1	O-Ring	
28	14315A	2	Flange Half	
29	P27181	1	Hyd Hose, 1/4in x 30in	
30	P19248	1	90, Elbow, O-Ring	
31	P21914	1	Tee, O-Ring	
32	P25693	2	Connector, O-Ring	
33	P18935	1	90, Elbow, O-Ring	
34	P33165	1	90, Elbow, O-Ring (Long)	
35	P18929	1	Cap, Hex	
36	37266X	1	Hyd Hose, 3/4in x 40in 2 & 3 Section Valves	
36	37158X	-	Hyd Hose, 3/4in x 34in 4 & 5 Section Valves	
36	P29755	-	Hyd Hose, 3/4in x 33in 6 Section Valves	
36	P29164	-	Hyd Hose, 3/4in x 33in 7 Section Valves	
37	P27163	1	Hyd Hose, 1/4in x 17in	
38	P28387	1	90, Elbow, O-Ring - Hose	
39	37256X	1	Hyd Hose, 3/4in x 44in	
40	37258X	1	Hyd Hose, 3/4in x 29in	
41	37257X	1	Hyd Hose, 3/4in x 61in	
42	36356B	1	Hyd Tube 1in O.D.	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
43	P17802	1	90, Elbow, O-Ring	
44	P24614	1	Connector, O-Ring (Long) 4 Section Valves	
44	P17805	-	Connector, O-Ring 5 & 6 Section Valves	
44	P17802	-	90, Elbow, O-Ring 7 Section Valves	
45	N12345	1	Hose, Return - 1 1/4in I.D.	
46	P14043	4	Hose Clamp	
47	P27469	1	Elbow, Suction Tube	
48	P26606	1	Connector, JIC - Pipe	
49	P19878	1	Strainer, Hydraulic Oil	
50	25840D	1	Tank, Fuel/Hydraulic (Includes Item 51)	
51	P10279	2	Drain Plug, Pipe	
52	67139A	4	Belting, Hyd/Fuel Tank (Replaces N12359)	
53	P01510	4	Nut, Hx, 1/2in-13	
54	P18602	1	O-Ring	
55	P00404	4	Capscrew, Hx, 1/2in-13 x 1 1/2in	

SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-4. VALVE PLATE COMPONENTS ASSEMBLY (1044C-42,1044C-54,644B-37,644B-42,844C-42) (644B-37 SN 101 through 666, Excluding 591; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621; 1044C-42 SN 101 through 116; 1044C-54 SN 101 through 154)



SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-4. VALVE PLATE COMPONENTS ASSEMBLY (1044C-42,1044C-54,644B-37,644B-42,844C-42) (644B-37 SN 101 through 666, Excluding 591; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621; 1044C-42 SN 101 through 116; 1044C-54 SN 101 through 154)

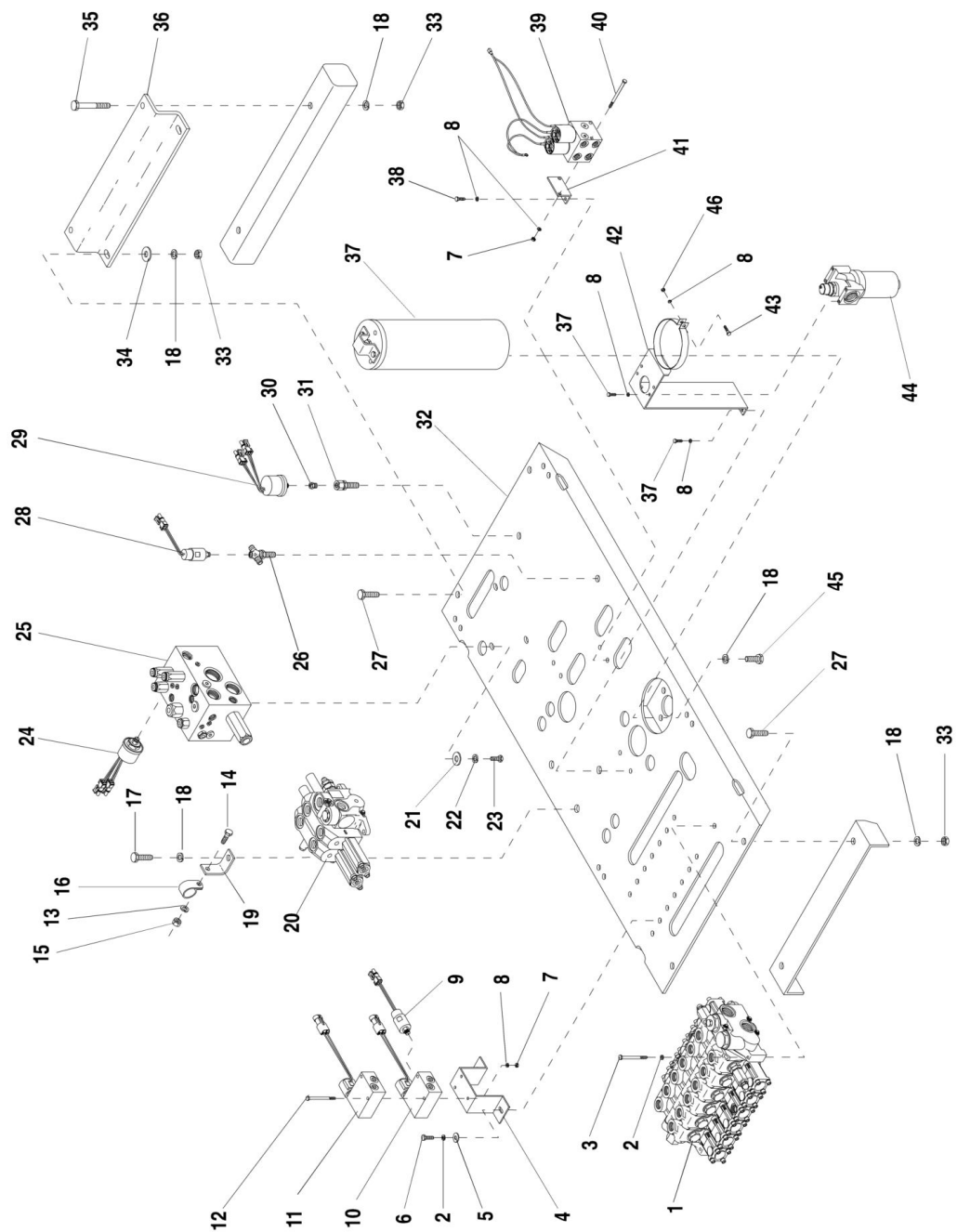
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	36547B	1	Control Valve - 4 Spool (See HYDRAULIC CONTROL VALVE ASSEMBLY for Breakdown)	
1	36562B	-	Control Valve - 5 Spool	
1	36548B	-	Control Valve - 6 Spool	
1	36568B	-	Control Valve - 7 Spool	
2	P01309	5	Lockwasher, 5/16in	
3	P00112	3	Capscrew, Hx, 5/16in-18 x 3in	
4	38303B	1	Mounting Bracket, Lockout Valve	
5	P01403	2	Flatwasher, 5/16in	
6	P00104	2	Capscrew, Hx, 5/16in-18 x 1in	
7	P01506	4	Nut, Hx, 1/4in-20	
8	P01308	13	Lockwasher, 1/4in	
9	37106A	1	Pressure Switch, Oscillation Lock	
10	38299A	1	Frame Tilt Lockout Valve (See FRAME TILT LOCKOUT VALVE for Breakdown)	
11	39949A	1	Boom Extend Lockout Valve (Replace 38655A) (See CONTROL HYDRAULICS SECTION for Breakdown) (1044C-54)	
12	P00009	2	Capscrew, Hx, 1/4in-20 x 2in	
12	P00015	2	Capscrew, Hx, 1/4in-20 x 3 1/2in (1044C-54)	
13	38131B	2	Support Bracket, Hose Tray	
14	P01310	8	Lockwasher, 3/8in	
15	P00204	8	Capscrew, Hx, 3/8in-16 x 1in	
16	P01508	1	Nut, HX, 3/8in-16 (Note: Not used in early production)	
17	P17593	1	Clamp, Hose (Note: Not used in early production)	
18	P00405	3	Capscrew, Hx, 1/2in-13 x 1 3/4in	
19	P01312	12	Lockwasher, 1/2in	
20	39918A	1	Bracket, Hose Mount (Note: Not used in early production)	
21	P28492	1	Control Valve - 2 Spool (See HYDRAULIC BOOM CONTROL VALVE ASSEMBLY (2-Spool) for Breakdown)	
22	P01405	3	Flatwasher, 7/16in	
23	P01311	3	Lockwasher, 7/16in	
24	P00300	3	Capscrew, Hx, 7/16in-14 x 3/4in	
25	38271A	1	Pressure Switch, Low Brake	
26	36255D	1	Control Manifold (See CONTROL MANIFOLD ASSEMBLY for Breakdown)	
27	28470A	1	Adapter Fitting, Bulkhead	
28	P00404	4	Capscrew, Hx, 1/2in-13 x 1 1/2in	
29	39505A	1	Pressure Switch, Brake (Replaces 37106A) (Use with Wet Disc Brakes)	
29	39339A	-	Pressure Switch, Brake (Use w/Dry Disc Brakes)	
30	37139A	1	Pressure Switch, Parking Brake	
31	P28327	1	Reducer Bushing	
32	P28383	1	Adapter, Bulkhead	
33	36418C	1	Valve Plate	
34	P01510	6	Nut, Hx, 1/2in-13	
35	P01406	2	Flatwasher, 1/2in	
36	P00414	2	Capscrew, Hx, 1/2in-13 x 4in	
37	36951B	1	Support Bracket, Valve Plate	
38	P31556	1	Accumulator (Use with Wet Disc Brakes)	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
38	P40147	-	Accumulator (Use with Dry Disc Brakes) (See STEERING AND BRAKE HYDRAULICS SECTION for Breakdown)	
39	P00003	8	Capscrew, Hx, 1/4in-20 x 3/4in	
40	35406A	1	Circuit Selector Valve (See 6 - PORT CIRCUIT SELECTOR VALVE ASSEMBLY for Breakdown)	
41	P00015	2	Capscrew, Hx, 1/4in-20 x 3 1/2in	
42	36432A	1	Mounting Bracket, Directional Control Valve	
43	36438A	1	Mounting Bracket, Accumulator and Pressure Filter	
44	P00006	1	Capscrew, Hx, 1/4in-20 x 1 1/4in	
45	66450X	1	Pressure Filter (Replaces P29325)	
46	P00452	3	Capscrew, Hx, 1/2in-20 x 1in	
47	P05000	1	Locknut, Hx, 1/4in-20 Grade C	

SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-5. VALVE PLATE COMPONENTS ASSEMBLY (10K-42,10K-54,6K-37,6K-42,8K-42) (6K-37 SN 101 through 317; 6K-42 SN 101 through 119; 8K-42 SN 101 through 220; 10K-42 SN 101 through 106; 10K-54 SN 101 through 103)



SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-5. VALVE PLATE COMPONENTS ASSEMBLY (10K-42,10K-54,6K-37,6K-42,8K-42) (6K-37 SN 101 through 317; 6K-42 SN 101 through 119; 8K-42 SN 101 through 220; 10K-42 SN 101 through 106; 10K-54 SN 101 through 103)

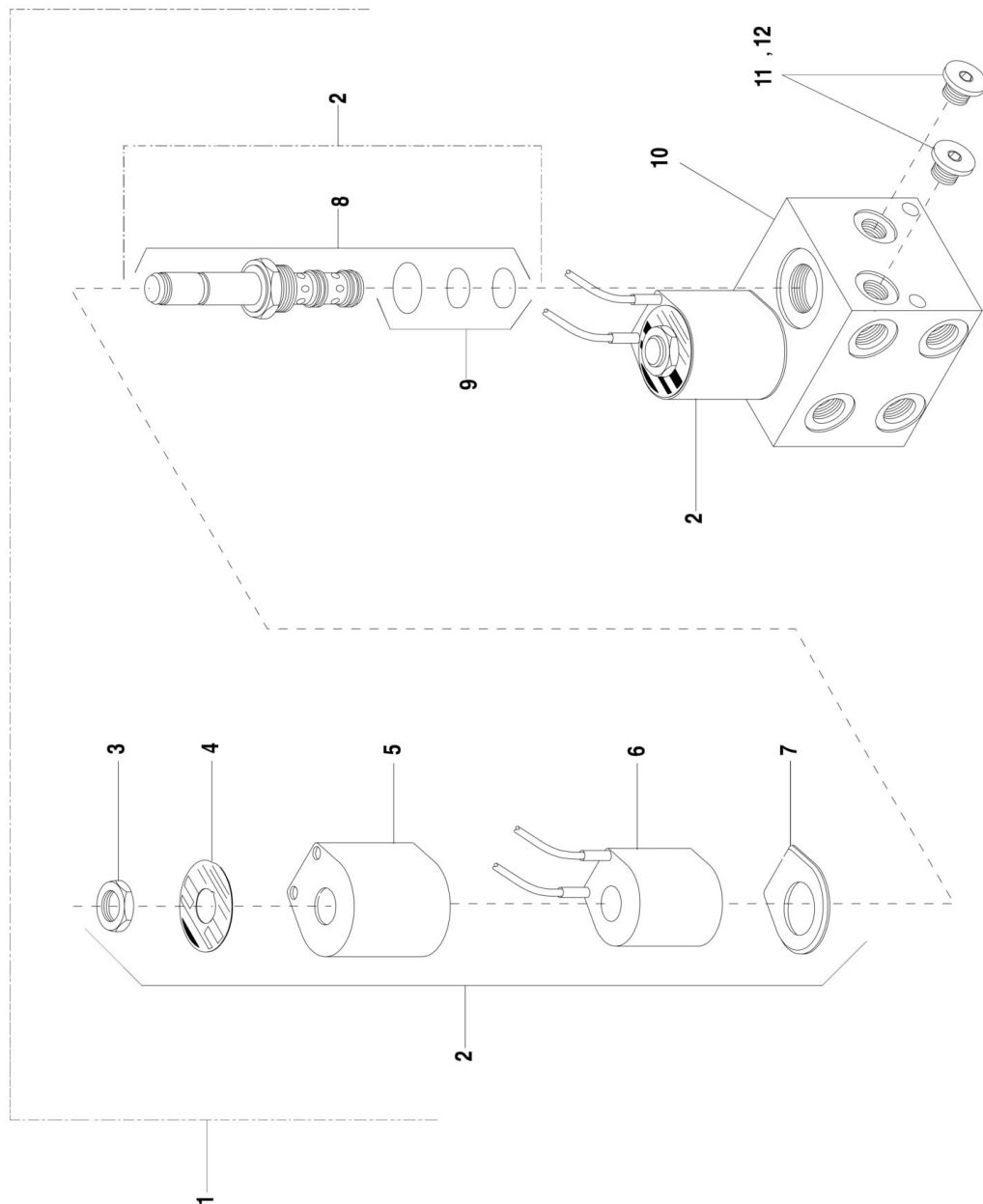
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	36547B	1	Control Valve - 4 Spool (See HYDRAULIC CONTROL VALVE ASSEMBLY for Breakdown)	
1	36562B	-	Control Valve - 5 Spool	
1	36548B	-	Control Valve - 6 Spool	
1	36568B	-	Control Valve - 7 Spool	
2	P01309	5	Lockwasher, 5/16in	
3	P00112	3	Capscrew, Hx, 5/16in-18 x 3in	
4	38303B	1	Mounting Bracket, Lockout Valve	
5	P01403	2	Flatwasher, 5/16in	
6	P00104	2	Capscrew, Hx, 5/16in-18 x 1in	
7	P01506	4	Nut, Hx, 1/4in-20	
8	P01308	13	Lockwasher, 1/4in	
9	37106A	2	Pressure Switch, Oscillation Lock	
10	38299A	1	Frame Tilt Lockout Valve (See FRAME TILT LOCKOUT VALVE for Breakdown)	
11	39949A	1	Boom Extend Lockout Valve (Replaces 38655A) (See CONTROL HYDRAULICS SECTION for Breakdown) (10K-54)	
12	P00009	2	Capscrew, Hx, 1/4in-20 x 2in	
12	P00015	2	Capscrew, Hx, 1/4in-20 x 3 1/2in (10K-54)	
13	P01310	8	Lockwasher, 3/8in	
14	P00204	8	Capscrew, Hx, 3/8in-16 x 1in	
15	P01508	1	Nut, HX, 3/8in-16 (Note: Not used in early production)	
16	P17593	1	Clamp, Hose (Note: Not used in early production)	
17	P00405	3	Capscrew, Hx, 1/2in-13 x 1 3/4in	
18	P01312	12	Lockwasher, 1/2in	
19	39918A	1	Bracket, Hose Mount (Note: Not used in early production)	
20	P28492	1	Control Valve - 2 Spool (See HYDRAULIC BOOM CONTROL VALVE ASSEMBLY (2-Spool) for Breakdown)	
21	P01405	3	Flatwasher, 7/16in	
22	P01311	3	Lockwasher, 7/16in	
23	P00300	3	Capscrew, Hx, 7/16in-14 x 3/4in	
24	38271A	1	Pressure Switch, Low Brake	
25	36255D	1	Control Manifold (See CONTROL MANIFOLD ASSEMBLY for Breakdown)	
26	28470A	1	Adapter Fitting, Bulkhead	
27	P00404	4	Capscrew, Hx, 1/2in-13 x 1 1/2in	
28	39505A	1	Pressure Switch, Brake (Replaces 37106A) (Use with Wet Disc Brakes)	
28	39339A	-	Pressure Switch, Brake (Use w/Dry Disc Brakes)	
29	37139A	1	Pressure Switch, Parking Brake	
30	P28327	1	Reducer Bushing	
31	P28383	1	Adapter, Bulkhead	
32	36418C	1	Valve Plate	
33	P01510	6	Nut, Hx, 1/2in-13	
34	P01406	2	Flatwasher, 1/2in	
35	P00414	2	Capscrew, Hx, 1/2in-13 x 4in	
36	36951B	1	Support Bracket, Valve Plate	
37	P31556	1	Accumulator (Use with Wet Disc Brakes)	

SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
37	P40147	-	Accumulator (Use with Dry Disc Brakes) (See STEERING AND BRAKE HYDRAULICS SECTION for Breakdown)	
38	P00003	8	Capscrew, Hx, 1/4in-20 x 3/4in	
39	35406A	1	Circuit Selector Valve (See 6 - PORT CIRCUIT SELECTOR VALVE ASSEMBLY for Breakdown)	
40	P00015	2	Capscrew, Hx, 1/4in-20 x 3 1/2in	
41	36432A	1	Mounting Bracket, Directional Control Valve	
42	36438A	1	Mounting Bracket, Accumulator and Pressure Filter	
43	P00006	1	Capscrew, Hx, 1/4in-20 x 1 1/4in	
44	66450X	1	Pressure Filter (Replaces P29325)	
45	P00452	3	Capscrew, Hx, 1/2in-20 x 1in	
46	P05000	1	Locknut, Hx, 1/4in-20 Grade C	

SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-6. 6 - PORT CIRCUIT SELECTOR VALVE ASSEMBLY (644B-37 SN 101 through 666, Excluding 591; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621; 1044C-42 SN 101 through 116; 1044C-54 SN 101 through 154; 6K-37 SN 101 through 317; 6K-42 SN 101 through 119; 8K-42 SN 101 through 220; 10K-42 SN 101 through 106; 10K-54 SN 101 through 103)



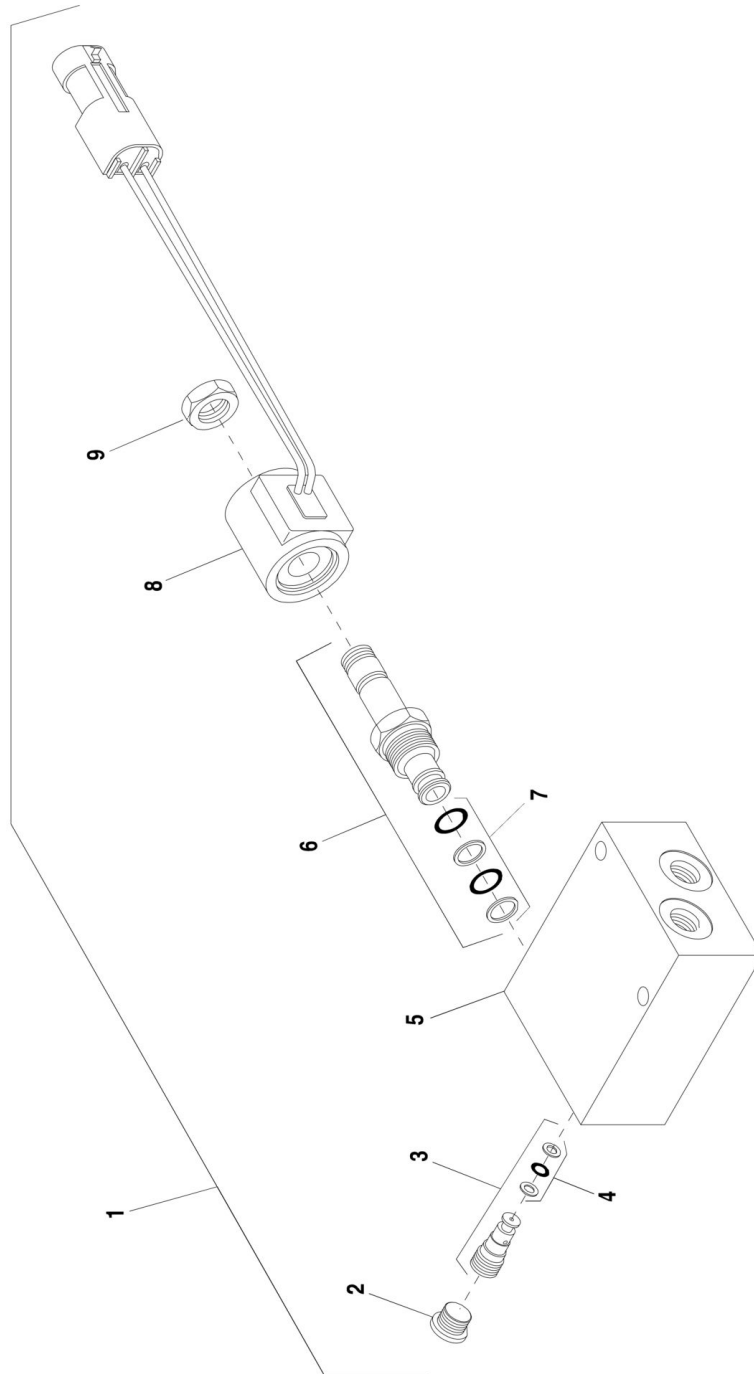
SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-6. 6 - PORT CIRCUIT SELECTOR VALVE ASSEMBLY (644B-37 SN 101 through 666, Excluding 591; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621; 1044C-42 SN 101 through 116; 1044C-54 SN 101 through 154; 6K-37 SN 101 through 317; 6K-42 SN 101 through 119; 8K-42 SN 101 through 220; 10K-42 SN 101 through 106; 10K-54 SN 101 through 103)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	35406A	1	6-Port Circuit Selector Valve Assembly	
2	P31599	2	Solenoid Valve Assembly (Includes Items 3-8)	
3	P40662	1	Nut	
4	N.S.S.	1	Name Plate	
5	P33177	1	Housing, Coil	
6	P33178	1	Solenoid Coil	
7	P33188	1	Cover Plate	
8	P33186	1	Solenoid Cartridge (Includes Item 9)	
9	P33187	1	O-Ring Kit	
10	N.S.S.	1	Body	
11	P27935	2	O-Ring Plug, Hollow Hex	
12	P33185	2	Orifice Plug (Not Illustrated)	
		Ref	N.S.S. = Not Sold Separately	

SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-7. FRAME TILT LOCKOUT VALVE (644B-37 SN 101 through 666; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621; 1044C-42 SN 101 through 116; 1044C-54 SN 101 through 154; 6K-37 SN 101 through 317; 6K-42 SN 101 through 119; 8K-42 SN 101 through 220; 10K-42 SN 101 through 106; 10K-54 SN 101 through 103)



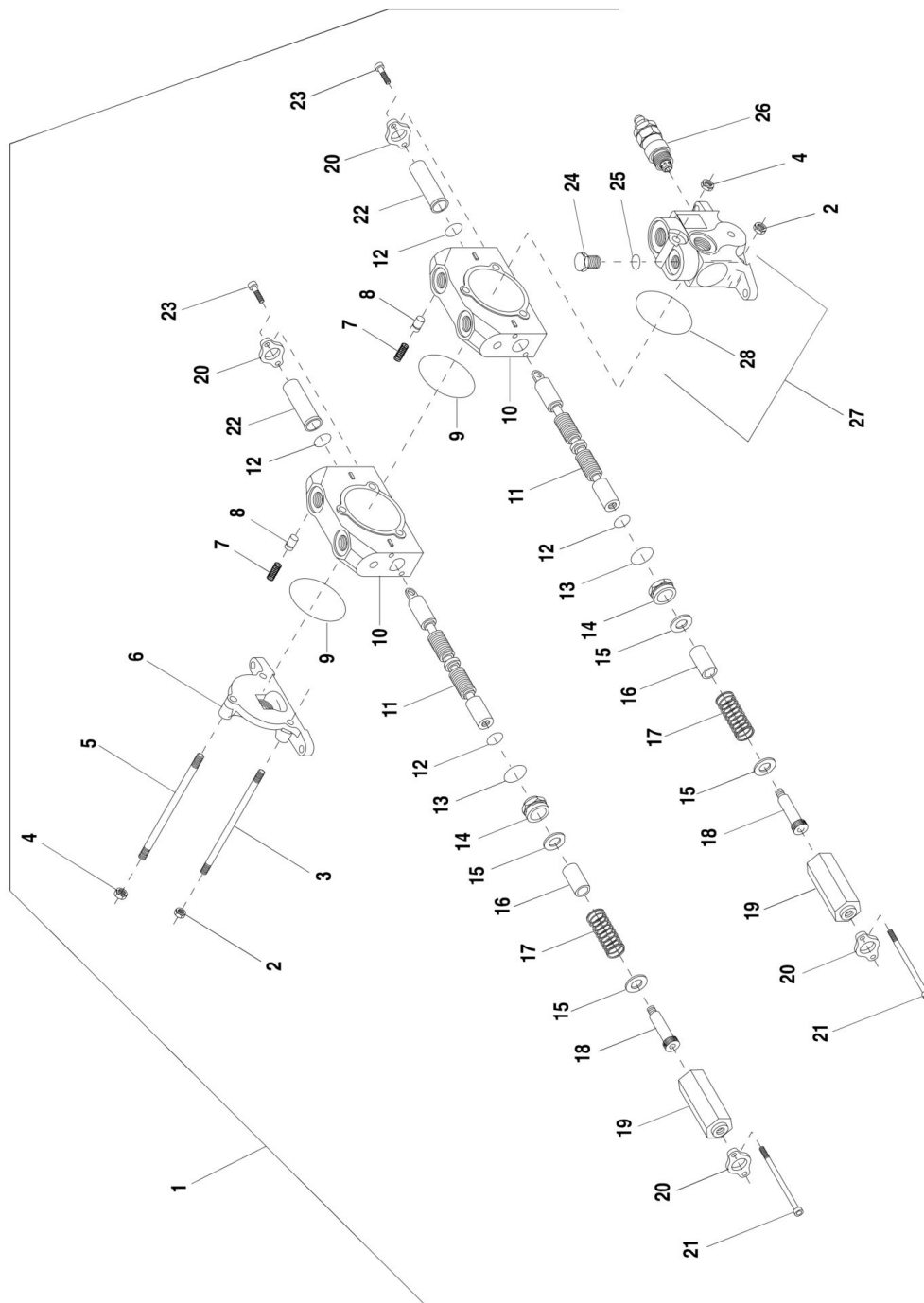
SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-7. FRAME TILT LOCKOUT VALVE (644B-37 SN 101 through 666; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621; 1044C-42 SN 101 through 116; 1044C-54 SN 101 through 154; 6K-37 SN 101 through 317; 6K-42 SN 101 through 119; 8K-42 SN 101 through 220; 10K-42 SN 101 through 106; 10K-54 SN 101 through 103)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	38299A	1	Valve, Frame Tilt Lockout	
2	P27933	1	O-Ring Plug, Hollow Hex	
3	37247X	1	Shuttle Valve	
4	37245X	1	Seal Kit	
5	N.S.S.	1	Body	
6	37248X	1	Solenoid Valve	
7	37246X	1	Seal Kit	
8	38329A	1	Coil	
9	P40662	1	Nut	
		Ref	N.S.S. = Not Sold Separately	

SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-8. HYDRAULIC BOOM CONTROL VALVE ASSEMBLY (2-SPOOL) (644B-37 SN 101 through 666; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621; 1044C-42 SN 101 through 116; 1044C-54 SN 101 through 154; 6K-37 SN 101 through 317; 6K-42 SN 101 through 119; 8K-42 SN 101 through 220; 10K-42 SN 101 through 106; 10K-54 SN 101 through 103)



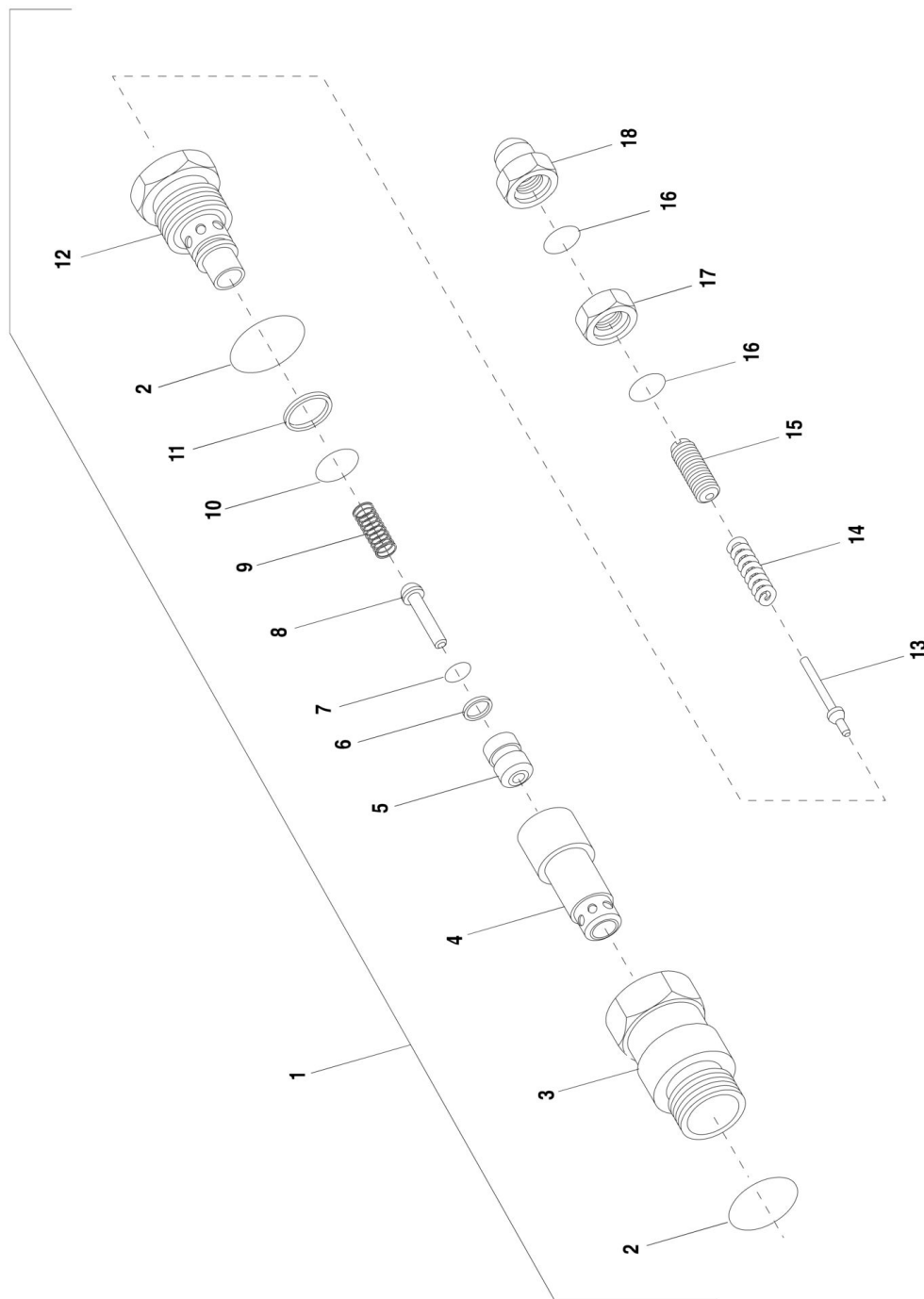
SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-8. HYDRAULIC BOOM CONTROL VALVE ASSEMBLY (2-SPOOL) (644B-37 SN 101 through 666; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621; 1044C-42 SN 101 through 116; 1044C-54 SN 101 through 154; 6K-37 SN 101 through 317; 6K-42 SN 101 through 119; 8K-42 SN 101 through 220; 10K-42 SN 101 through 106; 10K-54 SN 101 through 103)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P28492	1	Control Valve Assembly	
2	P91768	4	Nut, Special	
3	P91771	2	Tie Rod, 7/16in-20	
4	P91767	2	Nut, Special	
5	P91770	1	Tie Rod, 1/2in-20	
6	P32677	1	Housing, Outlet Section	
7	P91783	2	Spring	
8	P91784	2	Poppet	
9	P91782	2	O-Ring	
10	N.S.S.	2	Housing, spool	
11	N.S.S.	2	Spool	
12	P91781	4	O-Ring	
13	P32931	2	O-Ring	
14	P32930	2	Retainer, spool	
15	P91776	4	Washer	
16	P91778	2	Spacer	
17	P91777	2	Spring	
18	P21701	2	Shoulder Bolt, Socket Hd, 1/2in Dia x 2in	
19	P32929	2	Cap, Spool	
20	P32927	4	Retainer	
21	P01766	4	Capscrew, Socket Hd, 1/4in-20 x 4 1/2in	
22	P32928	2	Cap, Spool	
23	P01755	4	Capscrew, Socket Hd, 1/4in-20 x 1in	
24	P91786	1	Plug	
25	P91787	1	O-Ring	
26	P91790	1	Relief Valve Assembly (See RELIEF VALVE ASSEMBLY for Breakdown)	
27	P91788	1	Housing, Inlet Section (Includes Item 28)	
28	P91782	1	O-Ring	
Ref	P31590	1	Seal Kit (Includes Items 9, 12, 13, 25, 28, & P91808; Seal and Spring Kit for Relief Valve)	
		Ref	N.S.S. = Not Sold Separately	

SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-9. RELIEF VALVE ASSEMBLY (644B-37 SN 101 through 666; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621; 1044C-42 SN 101 through 116; 1044C-54 SN 101 through 154; 6K-37 SN 101 through 317; 6K-42 SN 101 through 119; 8K-42 SN 101 through 220; 10K-42 SN 101 through 106; 10K-54 SN 101 through 103)



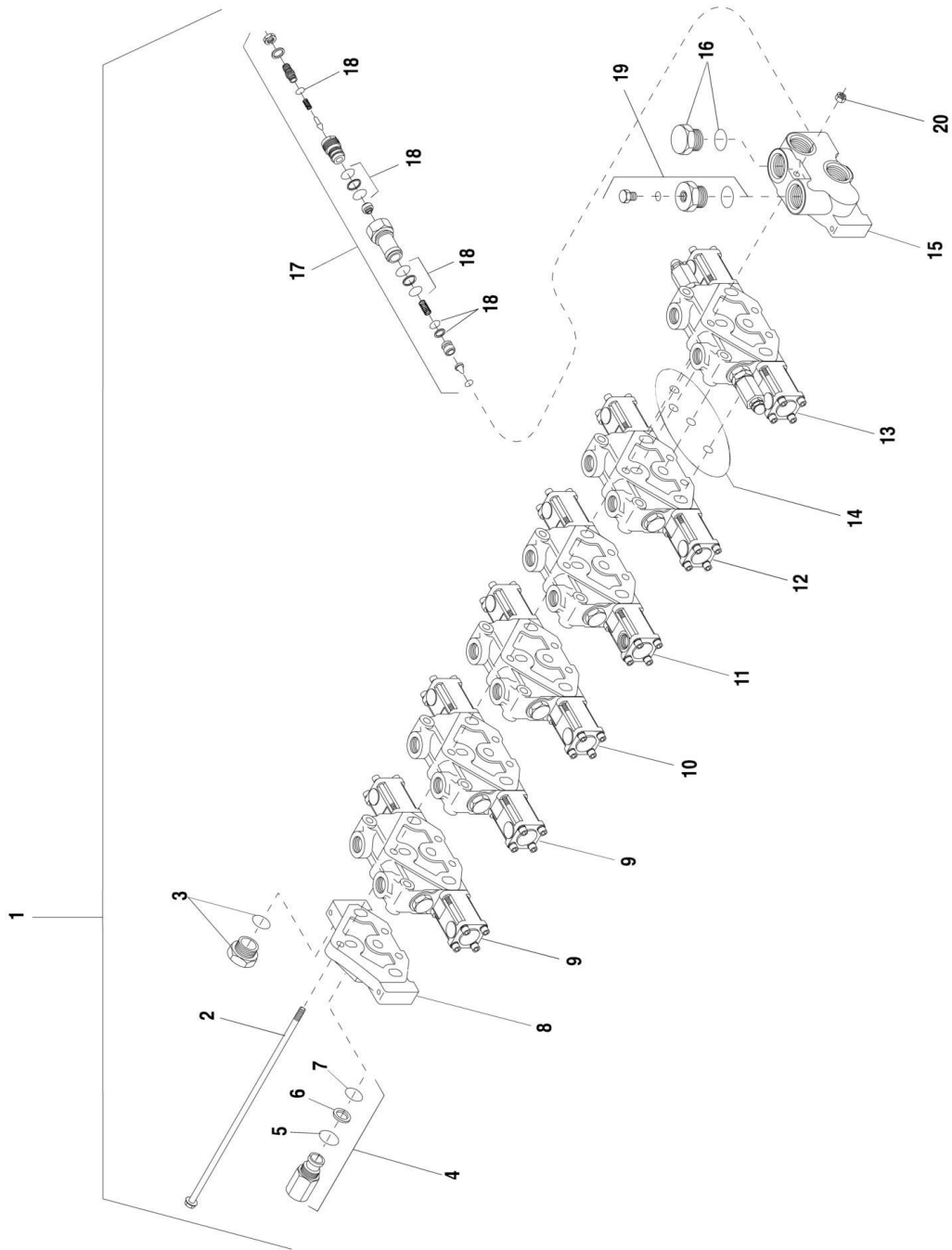
SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-9. RELIEF VALVE ASSEMBLY (644B-37 SN 101 through 666; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621; 1044C-42 SN 101 through 116; 1044C-54 SN 101 through 154; 6K-37 SN 101 through 317; 6K-42 SN 101 through 119; 8K-42 SN 101 through 220; 10K-42 SN 101 through 106; 10K-54 SN 101 through 103)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P91790	1	Relief Valve Assembly	
2	P91791	2	O-Ring	
3	N.S.S.	1	Body	
4	N.S.S.	1	Poppet	
5	P91794	1	Poppet	
6	P91795	1	Back-up Ring	
7	P91796	1	O-Ring	
8	N.S.S.	1	Piston	
9	P91798	1	Spring	
10	P91799	1	O-Ring	
11	P91800	1	Back-up Ring	
12	N.S.S.	1	Plug	
13	P91802	1	Poppet	
14	P91803	1	Spring	
15	N.S.S.	1	Screw, Adjust	
16	P91805	2	O-Ring	
17	P91806	1	Nut, Special	
18	P91807	1	Nut, Special	
Ref	P91808	1	Seal and Spring Kit (Includes Items 2, 6, 7, 9, 10, 11, 14, 16)	
		Ref	N.S.S. = Not Sold Separately	

SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-10. HYDRAULIC CONTROL VALVE ASSEMBLY (1044C-42,1044C-54,644B-37,644B-42,844C-42) (644B-37 SN 101 through 666, Excluding 591; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621; 1044C-42 SN 101 through 116; 1044C-54 SN 101 through 154)



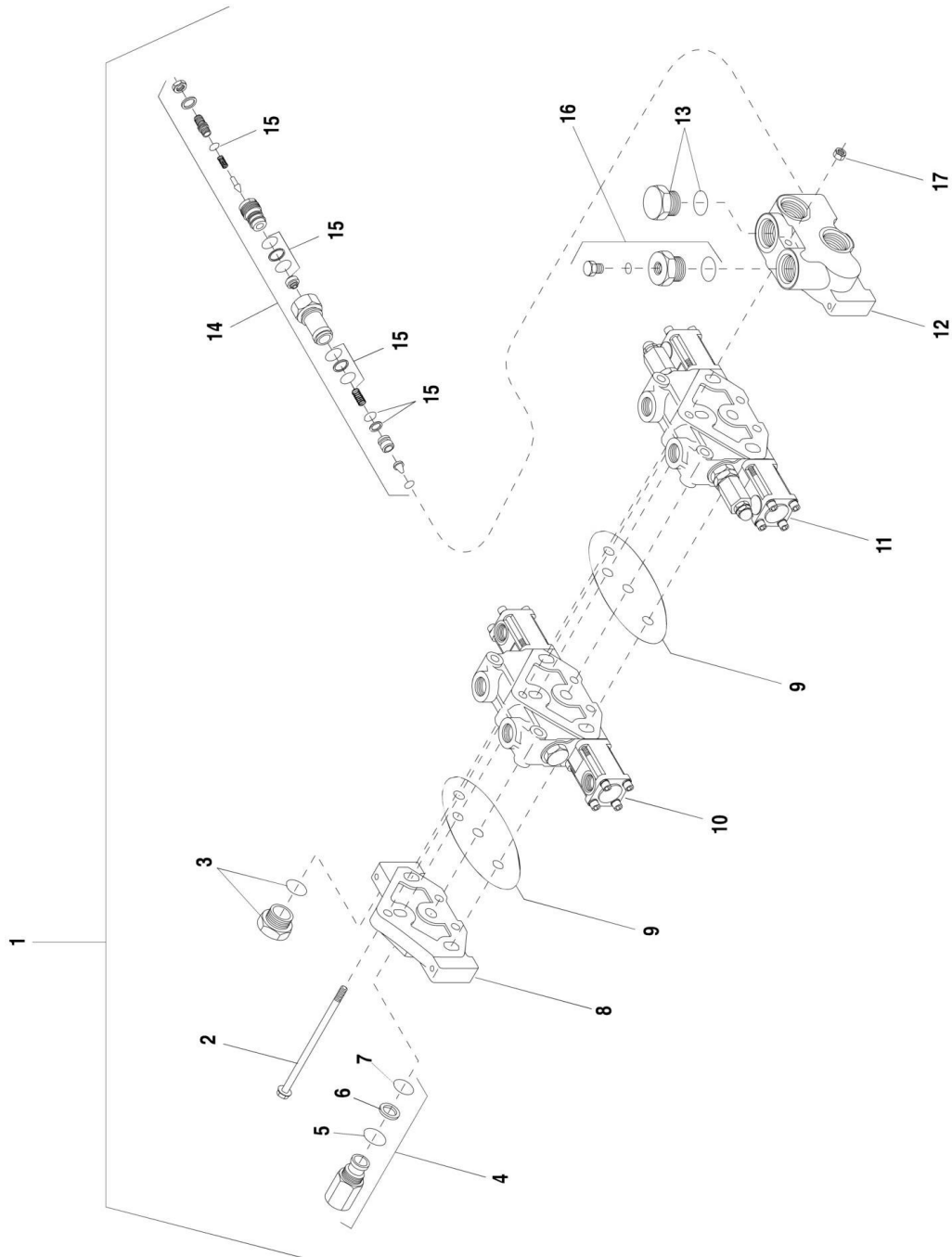
SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-10. HYDRAULIC CONTROL VALVE ASSEMBLY (1044C-42,1044C-54,644B-37,644B-42,844C-42) (644B-37 SN 101 through 666, Excluding 591; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621; 1044C-42 SN 101 through 116; 1044C-54 SN 101 through 154)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	36547B	1	4 Spool Control Valve Assembly	
1	36562B	-	5 Spool Control Valve Assembly	
1	36548B	-	6 Spool Control Valve Assembly	
1	36568B	-	7 Spool Control Valve Assembly	
2	P30934	3	Capscrew, Hx Washer Hd, 3/8in-16 x 9 1/2in (For 4 Spool Valve)	
2	P30935	-	Capscrew, Hx Washer Hd, 3/8in-16 x 11 1/4in (For 5 Spool Valve)	
2	P30936	3	Capscrew, Hx Washer Hd, 3/8in-16 x 13in (For 6 Spool Valve)	
2	P91705	-	Capscrew, Hx Washer Hd, 3/8in-16 x 14 3/4in (For 7 Spool Valve)	
3	P27938	1	O-Ring Plug, Hollow Hex	
4	P92438	1	Power - Beyond Sleeve Assembly	
5	P20311	1	Seal, O-Ring	
6	P92425	1	Back-up O-Ring	
7	P20313	1	Seal, O-Ring	
8	P92437	1	Housing, Cover	
9	P30940	2	Valve Section Assembly - Outriggers (See VALVE SECTION ASSEMBLY - TRANSFER/AUXILIARY/FRAME TILT/OUTRIGGERS for Breakdown)	
10	P30937	1	Valve Section Assembly - Transfer (See VALVE SECTION ASSEMBLY - TRANSFER/AUXILIARY/FRAME TILT/OUTRIGGERS for Breakdown)	
11	P30938	1	Valve Section Assembly - Frame Tilt (See VALVE SECTION ASSEMBLY - TRANSFER/AUXILIARY/FRAME TILT/OUTRIGGERS for Breakdown)	
12	36549X	1	Valve Section Assembly - Auxilliary (See VALVE SECTION ASSEMBLY - TRANSFER/AUXILIARY/FRAME TILT/OUTRIGGERS for Breakdown)	
13	P30939	1	Valve Section Assembly - Carriage Fork Tilt (See VALVE SECTION ASSEMBLY - CARRIAGE FORK TILT for Breakdown)	
14	P27601		Seal Kit, Valve Section (Note: 5 Required for 4 Spool Valve, 6 Required for 5 Spool Valve, 7 Required for 6 Spool Valve, 8 Required for 7 Spool Valve)	
15	P92418	1	Cover Assembly (Includes Items 16, 17)	
16	P21635	1	O-Ring Plug, Hex	
17	P92419	1	Pilot Operated Main Relief Assembly	
18	P92448	1	Seal Kit, Main Relief	
19	P30933	1	O-Ring Plug, Special	
20	P01508	3	Nut, Hx, 3/8in-16	

SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-11. HYDRAULIC CONTROL VALVE ASSEMBLY (10K-42,10K-54,6K-37,6K-42,8K-42) (6K-37 SN 101 through 317; 6K-42 SN 101 through 119; 8K-42 SN 101 through 220; 10K-42 SN 101 through 106; 10K-54 SN 101 through 103)



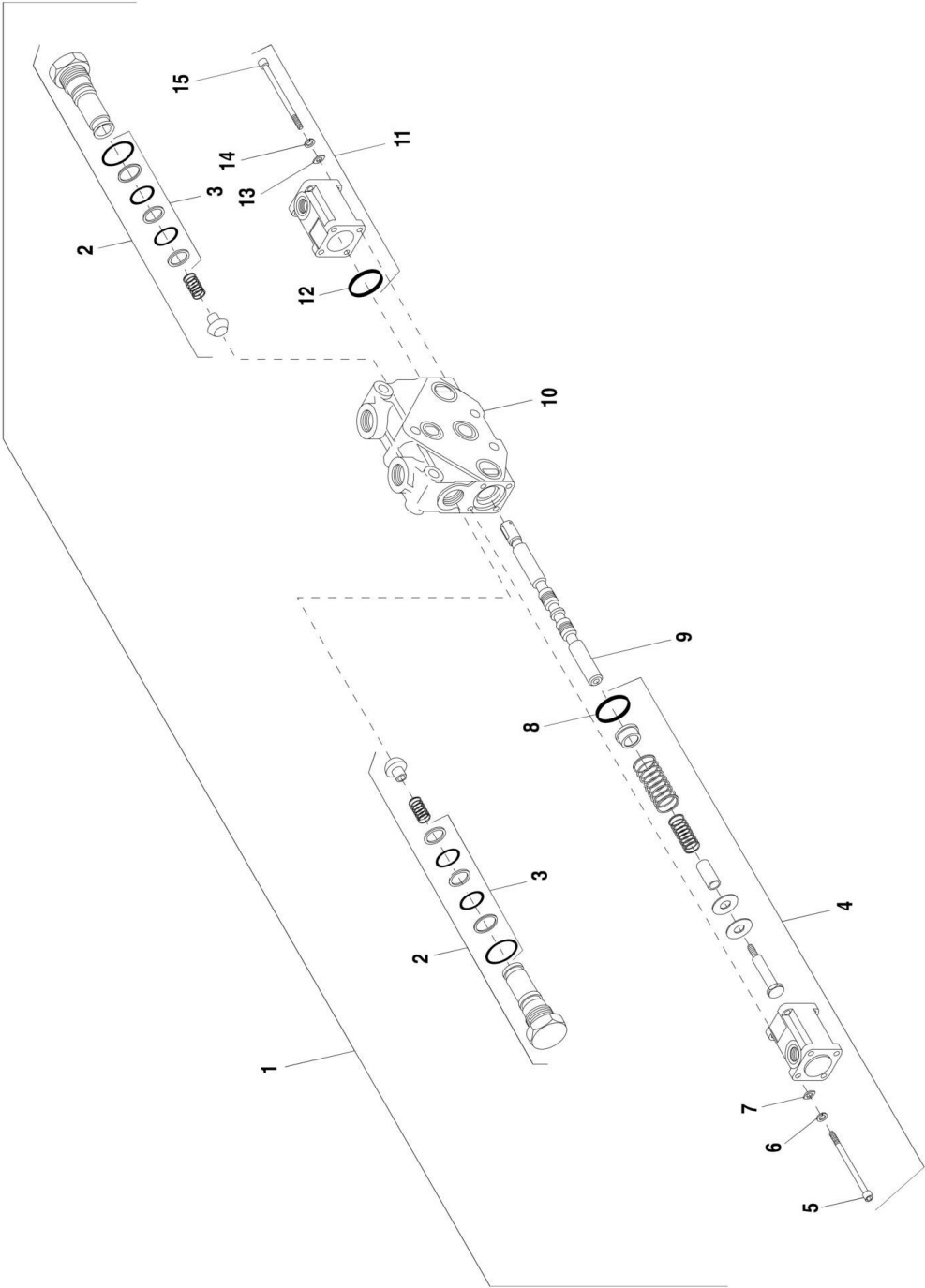
SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-11. HYDRAULIC CONTROL VALVE ASSEMBLY (10K-42,10K-54,6K-37,6K-42,8K-42) (6K-37 SN 101 through 317; 6K-42 SN 101 through 119; 8K-42 SN 101 through 220; 10K-42 SN 101 through 106; 10K-54 SN 101 through 103)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	37122B	1	2 Spool Control Valve Assembly	
1	36443B	-	3 Spool Control Valve Assembly	
1	38776B	-	4 Spool Control Valve Assembly	
1	39255B	-	5 Spool Control Valve Assembly	
2	P00220	3	Capscrew, Hx Washer Hd, 3/8in-16 x 6in (For 2 Spool Valve)	
2	P00224	-	Capscrew, Hx Washer Hd, 3/8in-16 x 8in (For 3 Spool Valve)	
2	P30934	-	Capscrew, Hx Washer Hd, 3/8in-16 x 9 1/2in (For 4 Spool Valve)	
2	P30935	-	Capscrew, Hx Washer Hd, 3/8in-16 x 11 1/4in (For 5 Spool Valve)	
3	P27938	1	O-Ring Plug, Hollow Hex	
4	P92438	1	Power Beyond Sleeve Assembly	
5	P20311	1	Seal, O-Ring	
6	P92425	1	Back-up O-Ring	
7	P20313	1	Seal, O-Ring	
8	P92437	1	Housing, Cover	
9	P27601		Seal Kit, Valve Section (Note: 3 Required for 2 Spool Valve. 4 Required for 3 Spool Valve. 5 Required for 4 Spool Valve. 6 Required for 5 Spool Valve)	
10	P30938	1	Valve Section Assembly - Frame Tilt (See VALVE SECTION ASSEMBLY - TRANSFER/AUXILIARY/FRAME TILT/OUTRIGGERS for Breakdown)	
10	36549X	1	Valve Section Assembly - Auxilliary (See VALVE SECTION ASSEMBLY - TRANSFER/AUXILIARY/FRAME TILT/OUTRIGGERS for Breakdown)	
10	P30940	2	Valve Section Assembly - Outriggers (See VALVE SECTION ASSEMBLY - TRANSFER/AUXILIARY/FRAME TILT/OUTRIGGERS for Breakdown)	
11	P30939	1	Valve Section Assembly - Carriage Fork Tilt (See VALVE SECTION ASSEMBLY - CARRIAGE FORK TILT for Breakdown)	
12	P92418	1	Cover Assembly (Includes Items 13, 14)	
13	P21635	1	O-Ring Plug, Hex	
14	P92419	1	Pilot Operated Main Relief Assembly	
15	P92448	1	Seal Kit, Main Relief	
16	P30933	1	O-Ring Plug, Special	
17	P01508	3	Nut, Hx, 3/8in-16	

SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-12. VALVE SECTION ASS&APOS;Y - TRANSFER/AUXILIARY/FRAME TILT/OUTRIGGERS
(644B-37 SN 101 through 666; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621)



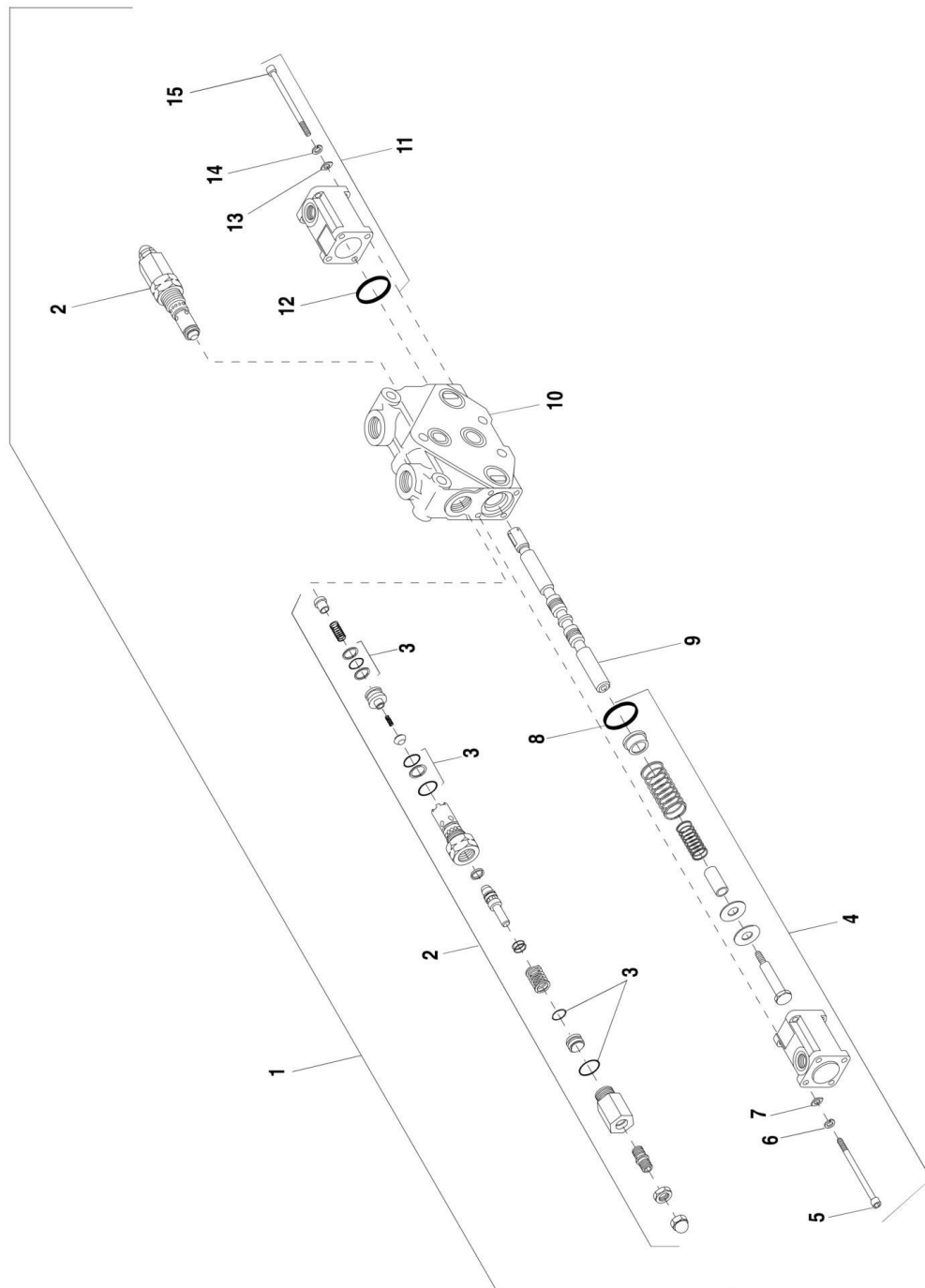
SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

**FIGURE 6-12. VALVE SECTION ASS&APOS;Y - TRANSFER/AUXILIARY/FRAME TILT/OUTRIGGERS
(644B-37 SN 101 through 666; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	36549X	-	Valve Section Assembly - Auxiliary	
1	P30938	-	Valve Section Assembly - Frame Tilt	
1	P30937	-	Valve Section Assembly - Transfer	
1	P30940	-	Valve Section Assembly - Outriggers	
2	P20301	2	Load Check Plug Assembly	
3	P92417	1	Seal Kit, Load Check	
4	P30931	1	Positioner Assembly - Single Port (Transfer/Auxiliary/Outriggers)	
4	P30932	1	Positioner Assembly - Dual Ports (Shown) (Frame Tilt)	
5	P01763	4	Capscrew, Socket Hd, 1/4in-20 x 3in	
6	P01308	4	Lockwasher, 1/4in	
7	P91712	4	Washer, Bearing	
8	91084233	1	Seal, Square Cut	
9	N.S.S.	1	Spool	
10	N.S.S.	1	Housing	
11	P30930	1	Bonnet Assembly - Single Port (Transfer/Auxiliary/Outriggers)	
11	P30932	1	Bonnet Assembly - Dual Ports (Shown) (Frame Tilt)	
12	91084233	1	Seal, Square Cut	
13	P91712	4	Washer, Bearing	
14	P01308	4	Lockwasher, 1/4in	
15	P01763	4	Capscrew, Socket Hd, 1/4in-20 x 3in	
	Ref		N.S.S. = Not Sold Separately	

SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-13. VALVE SECTION ASSEMBLY - CARRIAGE FORK TILT (644B-37 SN 101 through 666, Excluding 591; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621; 1044C-42 SN 101 through 116; 1044C-54 SN 101 through 154; 6K-37 SN 101 through 317; 6K-42 SN 101 through 119; 8K-42 SN 101 through 220; 10K-42 SN 101 through 106; 10K-54 SN 101 through 103)



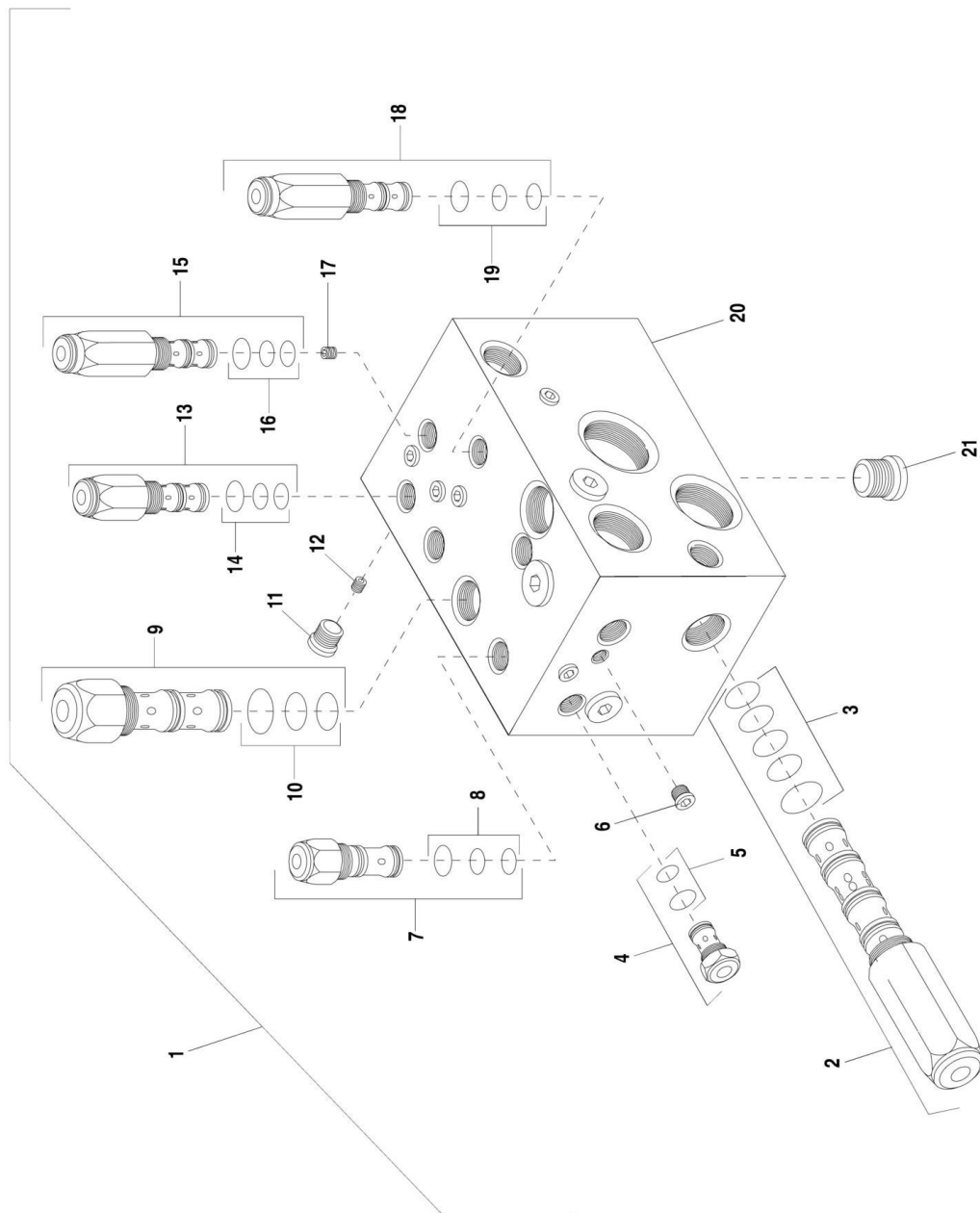
SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-13. VALVE SECTION ASSEMBLY - CARRIAGE FORK TILT (644B-37 SN 101 through 666, Excluding 591; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621; 1044C-42 SN 101 through 116; 1044C-54 SN 101 through 154; 6K-37 SN 101 through 317; 6K-42 SN 101 through 119; 8K-42 SN 101 through 220; 10K-42 SN 101 through 106; 10K-54 SN 101 through 103)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P30939	-	Valve Section Assembly - Carriage Fork Tilt	
2	P30941	2	CRA Adjustable Relief Valve Assembly	
3	P92417	1	Seal Kit, Relief Valve	
4	P30931	1	Positioner Assembly	
5	P01763	4	Capscrew, Socket Hd, 1/4in-20 x 3in	
6	P01308	4	Lockwasher, 1/4in	
7	P91712	4	Washer, Bearing	
8	91084233	1	Seal, Square Cut	
9	N.S.S.	1	Spool	
10	N.S.S.	1	Housing	
11	P30930	1	Bonnet Assembly	
12	91084233	1	Seal, Square Cut	
13	P91712	4	Washer, Bearing	
14	P01308	4	Lockwasher, 1/4in	
15	P01763	4	Capscrew, Socket Hd, 1/4in-20 x 3in	
		Ref	N.S.S. = Not Sold Separately	

SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-14. CONTROL MANIFOLD ASSEMBLY (644B-37 SN 101 through 666, Excluding 591; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621; 1044C-42 SN 101 through 116; 1044C-54 SN 101 through 154; 6K-37 SN 101 through 317; 6K-42 SN 101 through 119; 8K-42 SN 101 through 220; 10K-42 SN 101 through 106; 10K-54 SN 101 through 103)



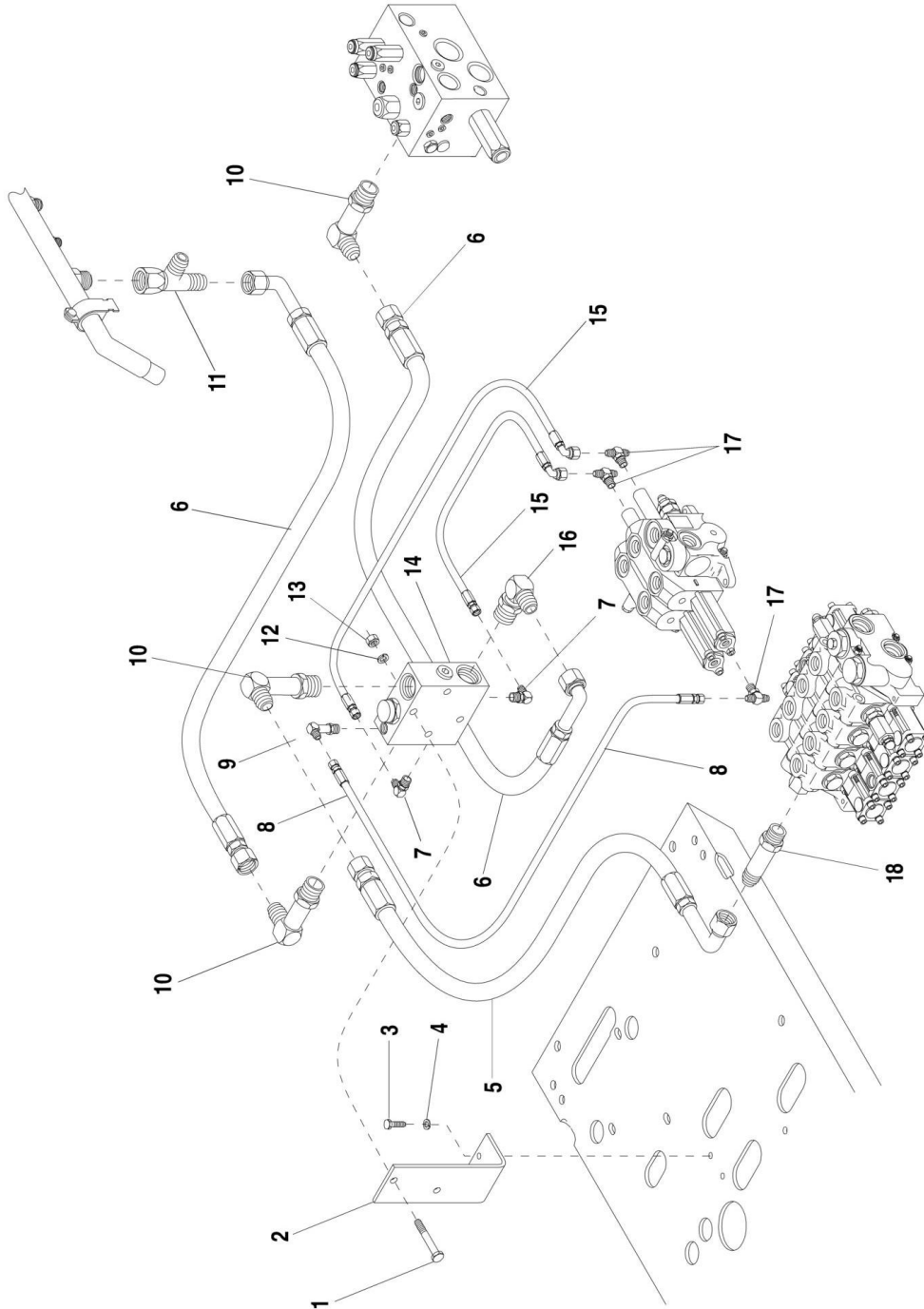
SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-14. CONTROL MANIFOLD ASSEMBLY (644B-37 SN 101 through 666, Excluding 591; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621; 1044C-42 SN 101 through 116; 1044C-54 SN 101 through 154; 6K-37 SN 101 through 317; 6K-42 SN 101 through 119; 8K-42 SN 101 through 220; 10K-42 SN 101 through 106; 10K-54 SN 101 through 103)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	36255D	1	Control Manifold Assembly	
2	P33193	1	Cartridge, Compensator Valve	
3	P33199	1	O-Ring Kit	
4	P33194	1	Cartridge, Check Valve	
5	P33195	1	O-Ring Kit	
6	P27931	12	O-Ring Plug, Hollow Hex	
7	37363X	1	Cartridge, Poppet Type Logic Valve (Note: Items 7 & 18 (if silver colored) must be replaced together for repair on the following Machine(s) (644B-37 S/N 101 through 190; 844C-42 S/N 101 through 179; 6K-37 S/N 101 through 146; 8K-42 S/N 101 through 131). For service, replacement cartridges are black)	
8	P33197	1	O-Ring Kit	
9	P33192	1	Cartridge, Priority Flow Control	
10	P33198	1	O-Ring Kit	
11	P27933	3	O-Ring Plug, Hollow Hex	
12	P40483	1	Orifice Plug	
13	P33189	1	Cartridge, Pilot Directional Valve	
14	P33196	1	O-Ring Kit	
15	P29929	1	Cartridge, Pressure Reducing Valve	
16	P33196	1	O-Ring Kit	
17	P40483	1	Orifice Plug (Note: Orifice not used on the following Machine(s) without "OR2" stamped on manifold body. (644B-37 S/N 101 through 194; 844C-42 S/N 101 through 183; 6K-37 S/N 101 through 149; 8K-42 S/N 101 through 131)	
18	37362X	1	Cartridge, Pilot Unloading Valve (Note: Items 7 & 18 (if silver colored) must be replaced together for repair on the following Machine(s) (644B-37 S/N 101 through 190; 844C-42 S/N 101 through 179; 6K-37 S/N 101 through 146; 8K-42 S/N 101 through 131). For service, replacement cartridges are black)	
19	P33196	1	O-Ring Kit	
20	N.S.S.	1	Body	
21	P27935	3	O-Ring Plug, Hollow Hex	
		Ref	N.S.S. = Not Sold Separately	

SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-15. PUMP UNLOADER CIRCUIT (NATURAL ENGINES ONLY) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 101 through 666, Excluding 591; 644B-42 SN 101 through 207; 6K-37 SN 101 through 317; 6K-42 SN 101 through 119)



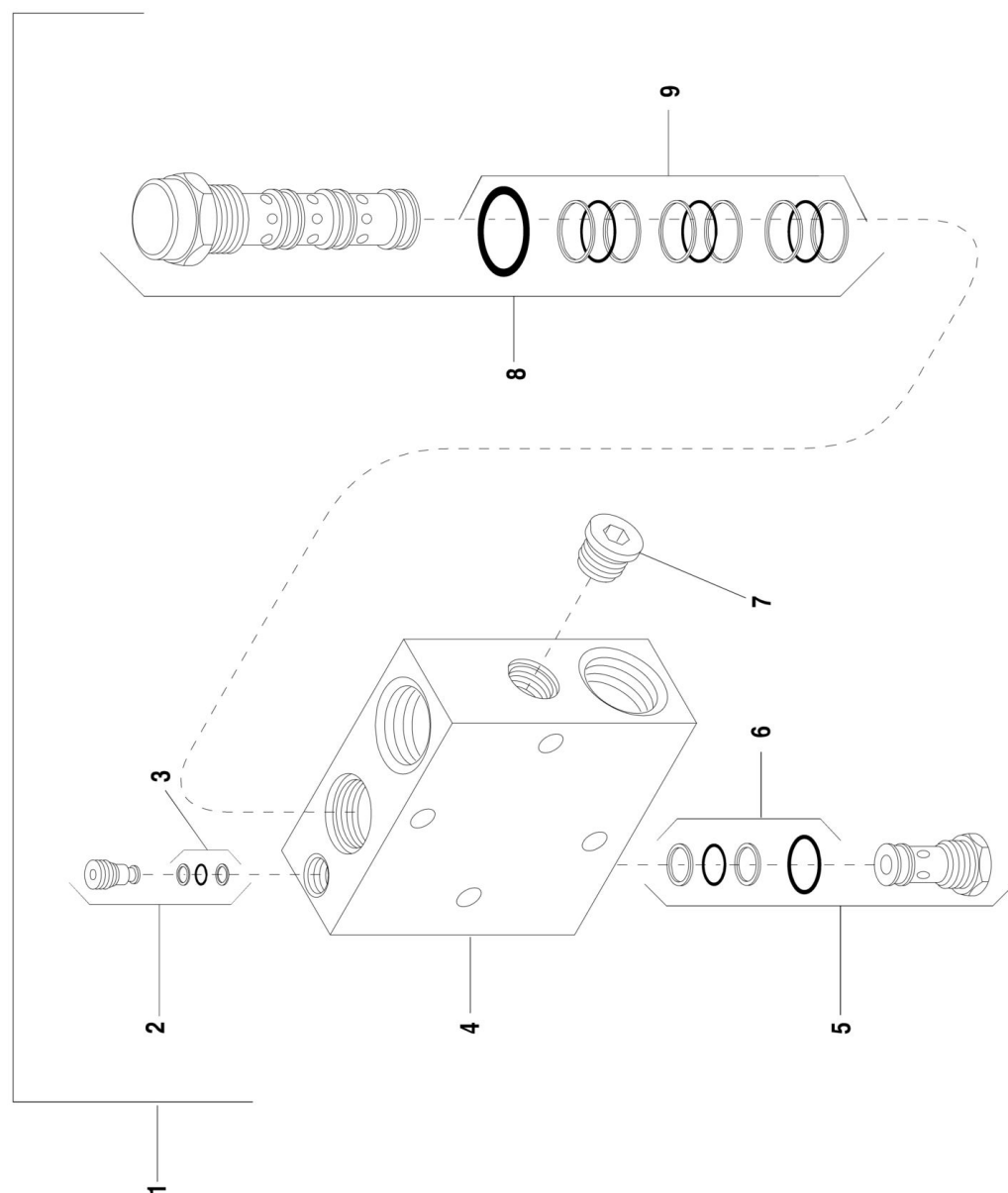
SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-15. PUMP UNLOADER CIRCUIT (NATURAL ENGINES ONLY) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 101 through 666, Excluding 591; 644B-42 SN 101 through 207; 6K-37 SN 101 through 317; 6K-42 SN 101 through 119)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P00111	2	Capscrew, Hx, 5/16in-18 x 2 3/4in	
2	39625B	1	Mounting Bracket, Unloader Valve	
3	P00005	2	Capscrew, Hx, 1/4in-20 x 1in	
4	P01308	2	Lockwasher, 1/4in	
5	37158X	1	Hyd Hose, 3/4in 4 & 5 Section Valves	
5	P29755	-	Hyd Hose, 3/4in 6 Section Valves	
5	P29164	-	Hyd Hose, 3/4in 7 Section Valves	
6	P26101	2	Hyd Hose, 3/4in	
7	P19248	2	90, Elbow, O-Ring	
8	37525X	1	Hyd Hose, 1/4in	
9	P33166	1	90, Long Elbow, O-Ring	
10	P33165	2	90, Long Elbow, O-Ring	
11	P19804	1	Tee, Swivel Run	
12	P01309	2	Lockwasher, 5/16in	
13	P01201	2	Nut, Hx, 5/16in-18	
14	39615B	1	Valve, Pump Unloader (See PUMP UNLOADER VALVE ASSEMBLY for Breakdown)	
15	37524X	2	Hyd Hose, 1/4in	
16	P17802	1	90, Elbow, O-Ring	
17	P18958	3	Tee, O-Ring Branch	
18	P24614	1	Connector, O-Ring (Long) 4 Section Valves	
18	P17805	-	Connector, O-Ring 5 & 6 Section Valves	
18	P17802	-	90, Elbow, O-Ring 7 Section Valves	

SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-16. PUMP UNLOADER VALVE ASSEMBLY (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 101 through 666, Excluding 591; 644B-42 SN 101 through 207; 6K-37 SN 101 through 317; 6K-42 SN 101 through 119)



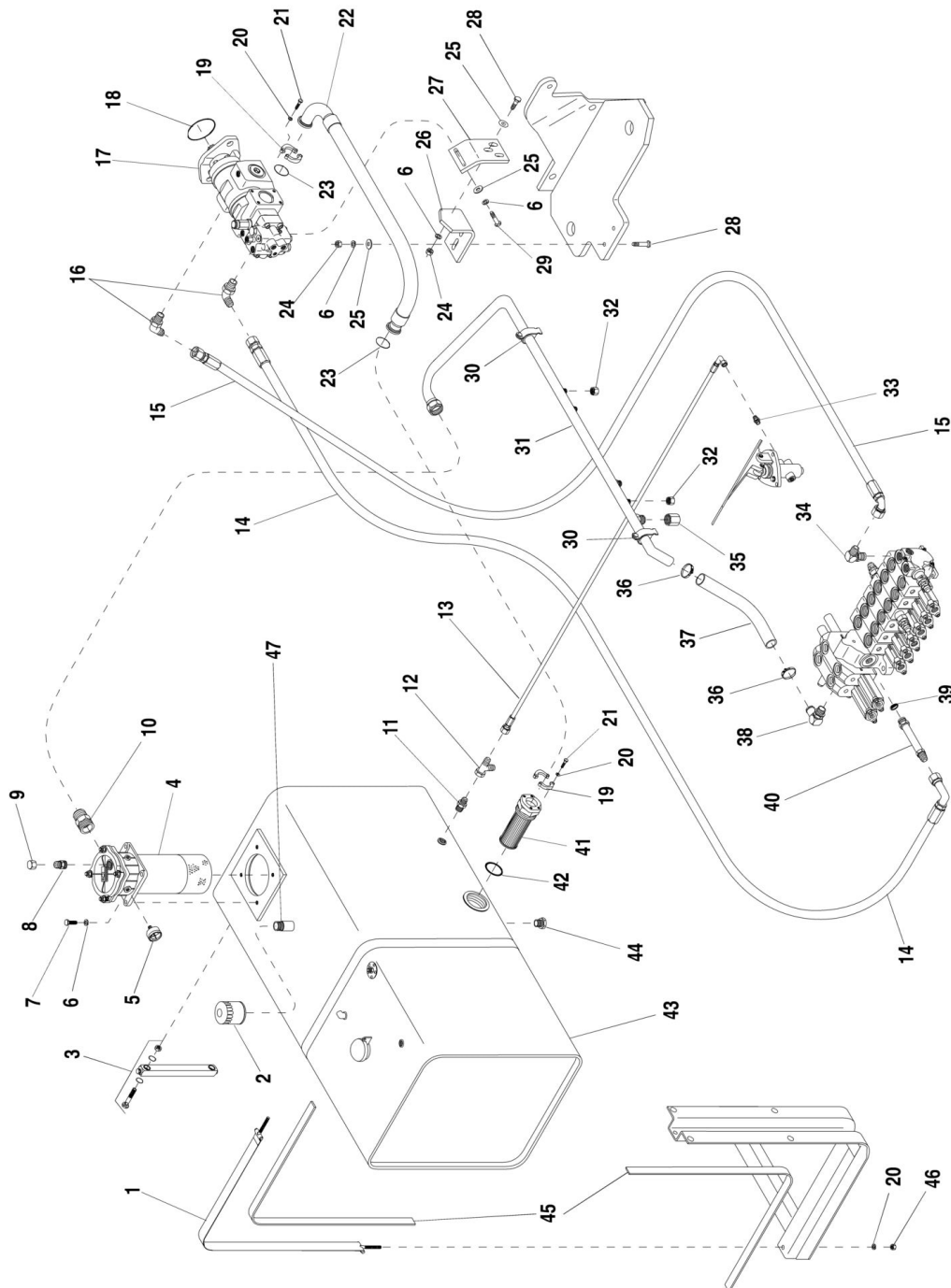
SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-16. PUMP UNLOADER VALVE ASSEMBLY (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 101 through 666, Excluding 591; 644B-42 SN 101 through 207; 6K-37 SN 101 through 317; 6K-42 SN 101 through 119)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	39615B	1	Pump Unloader Valve Assembly	
2	37247X	1	Cartridge, Shuttle Valve	
3	37245X	1	Seal Kit	
4	N.S.S.	1	Body	
5	37489X	1	Cartridge, Check Valve	
6	37007X	1	Seal Kit	
7	P27936	1	O-Ring Plug, Hollow Hex	
8	37488X	1	Cartridge, Piloted Valve	
9	37006X	1	Seal Kit	
		Ref	N.S.S. = Not Sold Separately	

SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-17. PUMP, SUCTION - RETURN HYDRAULIC CIRCUIT - MID INLET (1044C-42,1044C-54,644B-37,644B-42,844C-42) (644B-37 SN 667 to Present, Including 591; 644B-42 SN 208 to Present; 844C-42 SN 622 to Present; 1044C-42 SN 117 to Present; 1044C-54 SN 155 to Present)



SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-17. PUMP, SUCTION - RETURN HYDRAULIC CIRCUIT - MID INLET (1044C-42,1044C-54,644B-37,644B-42,844C-42) (644B-37 SN 667 to Present, Including 591; 644B-42 SN 208 to Present; 844C-42 SN 622 to Present; 1044C-42 SN 117 to Present; 1044C-54 SN 155 to Present)

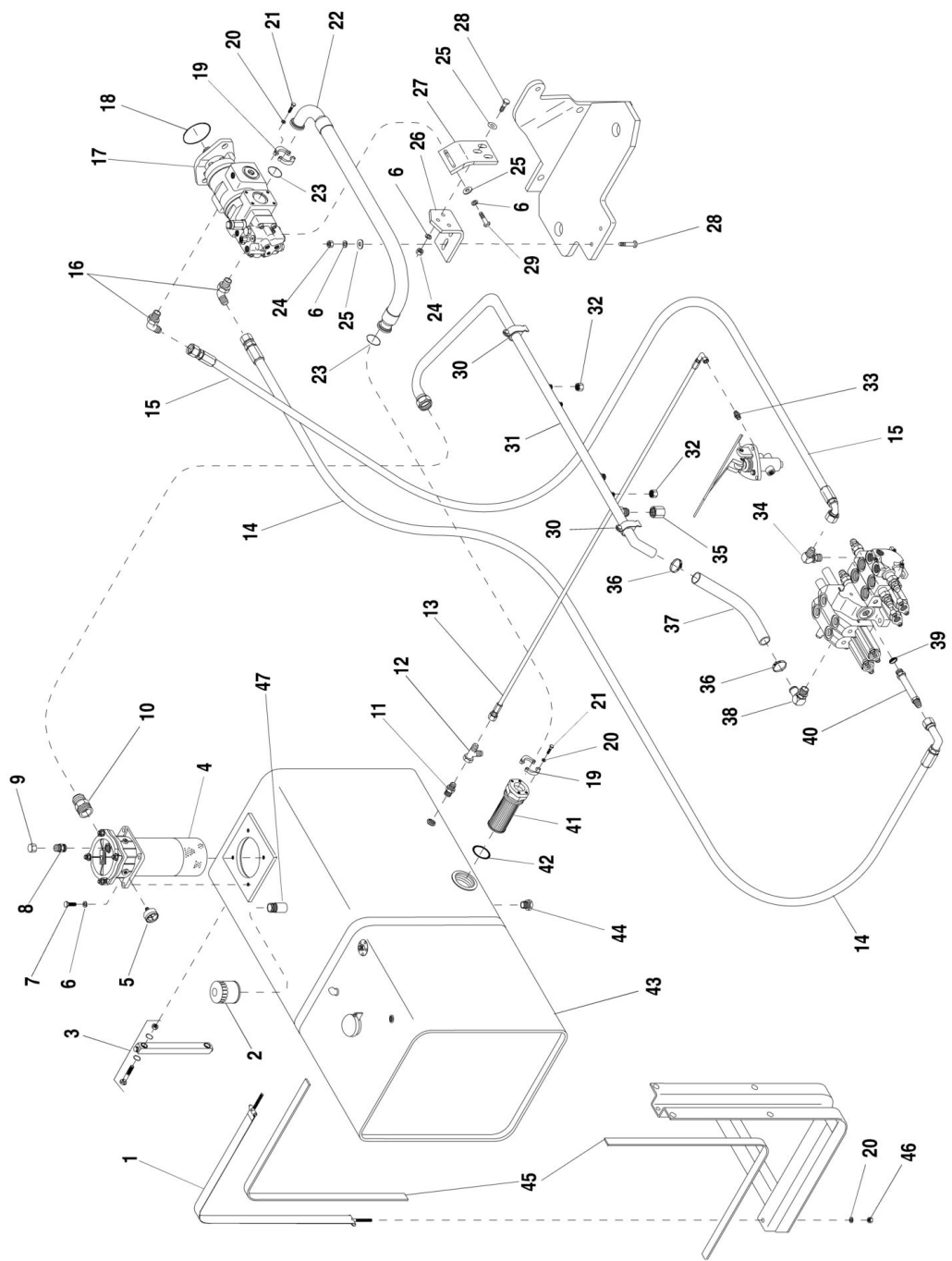
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	36181B	2	Strap, Tank Hold Down	
2	39022A	1	Breather, Hydraulic Tank	
3	P27809	1	Sight Gauge, Hydraulic Oil	
4	65514B	1	Return Filter, Hydraulic Oil (Includes Item 5) (See HYDRAULIC RETURN LINE FILTER ASSEMBLY for Breakdown) (Note: Use 66328B for the Following: (Includes item 10). 644B-37 S/N 101 through 909, S/N 911 through 915, S/N 917 through 931; 644B-42 S/N 101 through 232; 844C-42 S/N 101 through 818; 1044C-42 S/N 101 through 121; 1044C-54 S/N 101 through 232 Replaces P27808)	
5	P24981	1	Gauge, Pressure	
6	P01310	11	Lockwasher, 3/8in	
7	P00204	4	Capscrew, Hx, 3/8in-16 x 1in	
8	P17805	1	Connector, O-Ring	
9	P17785	1	Cap, Hex	
10	P28819	1	Connector, O-Ring (Note : Use P27397 for the Following: 644B-37 S/N 101 through 909, S/N 911 through 915, S/N 917 through 931; 644B-42 S/N 101 through 232; 844C-42 S/N 101 through 818; 1044C-42 S/N 101 through 121; 1044C-54 S/N 101 through 232)	
11	20212A	1	Check Valve	
12	P20979	1	Tee, Swivel	
13	P30177	1	Hyd Hose, 3/8in x 73in	
14	37606X	1	Hyd Hose, 3/4in x 71in	
15	37605X	1	Hyd Hose, 3/4in x 65in	
16	P17802	2	90, Elbow, O-Ring	
17		Ref	Pump-Valve (See PUMP - VALVE SUB ASSEMBLY for Breakdown)	
18	P18602	1	O-Ring	
19	14315A	4	Flange Half	
20	P01312	12	Lockwasher, 1/2in	
21	P00404	8	Capscrew, Hx, 1/2in-13 x 1 1/2in	
22	37603X	1	Hyd Suction Hose, 2in x 34in	
23	P12971	2	O-Ring	
24	P01508	5	Nut, Hx, 3/8in-16	
25	P01277	7	Flatwasher, 3/8in Hardened	
26	39839B	1	Bracket, Lower Pump Support	
27	39843B	1	Bracket, Upper Pump Support	
28	P00207	5	Capscrew, Hx, 3/8in-16 x 1 3/4in	
29	P00205	2	Capscrew, Hx, 3/8in-16 x 1 1/4in	
30	P20485	2	Clamp, Cushion	
31	65485B	1	Return Manifold (Replaces 36473B)	
32	P18929	2	Cap, Hex	
33	P18936	1	Connector, O-Ring	
34	P19055	1	90, Elbow, O-Ring	
35	P17785	1	Cap, Hex	
36	P14043	4	Hose Clamp	
37	10733174	1	Hose, Return - 1-1/4in I.D.	
38	38985A	1	90, Elbow, O-Ring - Hose	
39	10728957	1	O-Ring	
40	39537A	1	Connector, O-Ring (Long)	
41	38912B	1	Strainer, Hydraulic Oil (Includes Item 42)	

SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
42	37689X	1	O-Ring	
43	38944D	1	Tank, Fuel/Hydraulic (Includes Item 44)	
44	P10279	2	Drain Plug, O-Ring	
45	67139A	4	Belting, Hyd/Fuel Tank (Replaces N12344)	
46	P01510	4	Nut, Hx, 1/2in-13	
47	10718933	1	Adapter	

SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-18. PUMP, SUCTION - RETURN HYDRAULIC CIRCUIT - MID INLET (10K-42,10K-54,6K-37,6K-42,8K-42) (6K-37 SN 318 to Present; 6K-42 SN 120 to Present; 8K-42 SN 221 to Present; 10K-42 SN 107 to Present; 10K-54 SN 104 to Present)



SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-18. PUMP, SUCTION - RETURN HYDRAULIC CIRCUIT - MID INLET (10K-42,10K-54,6K-37,6K-42,8K-42) (6K-37 SN 318 to Present; 6K-42 SN 120 to Present; 8K-42 SN 221 to Present; 10K-42 SN 107 to Present; 10K-54 SN 104 to Present)

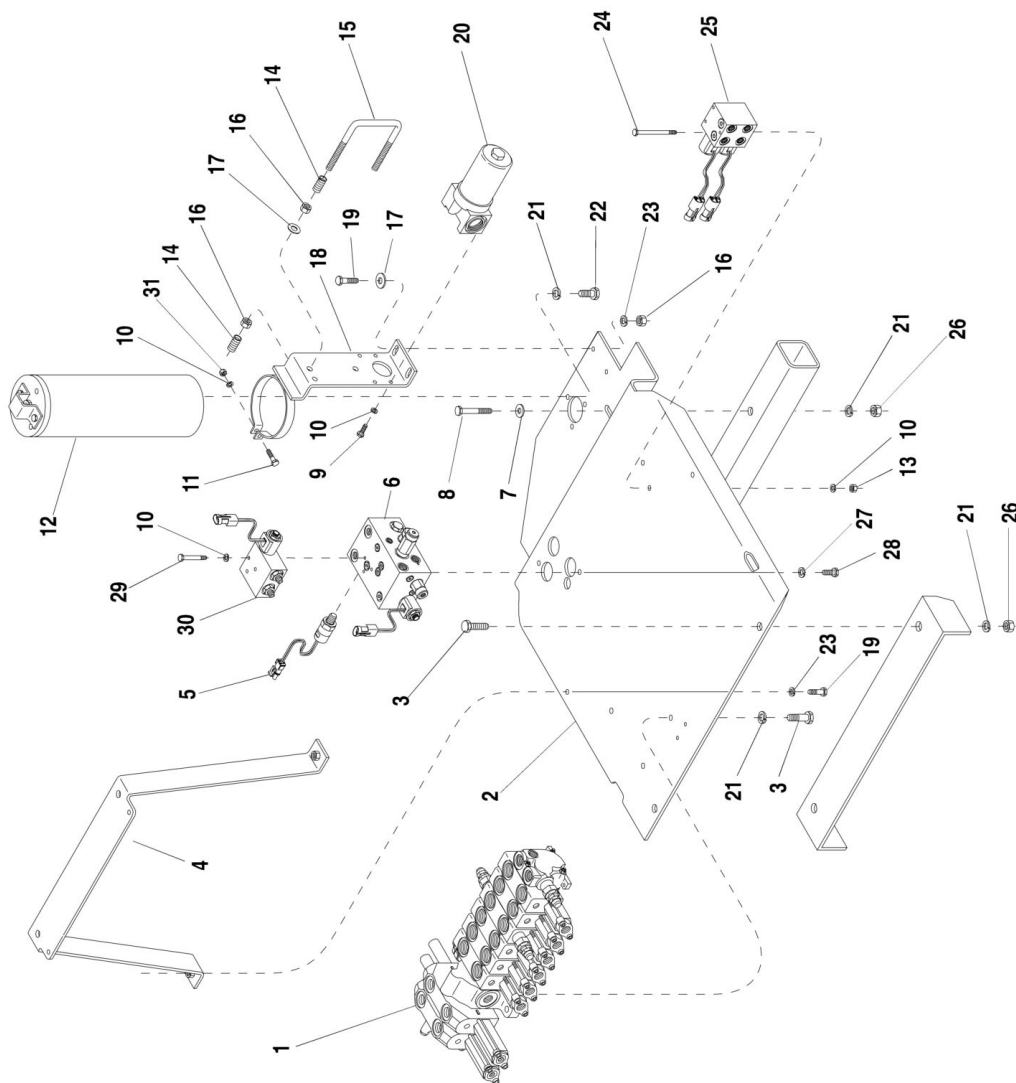
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	36181B	2	Strap, Tank Hold Down	
2	39022A	1	Breather, Hydraulic Tank	
3	P27809	1	Sight Gauge, Hydraulic Oil	
4	65514B	1	Return Filter, Hydraulic Oil (Includes Item 5) (See HYDRAULIC RETURN LINE FILTER ASSEMBLY for Breakdown) (Note: Use 66328B for the Following: (Includes item 10). 6K-37 S/N 101 through 412; 6K-42 S/N 101 through 132; 8K-42 S/N 101 through 270; 10K-42 S/N 101 through 109; 10K-54 S/N 101 through 109; Replaces P27808)	
5	P24981	1	Gauge, Pressure	
6	P01310	11	Lockwasher, 3/8in	
7	P00204	4	Capscrew, Hx, 3/8in-16 x 1in	
8	P17805	1	Connector, O-Ring	
9	P17785	1	Cap, Hex	
10	P28819	1	Connector, O-Ring (Note: Use P27397 for the Following: 6K-37 S/N 101 through 412; 6K-42 S/N 101 through 132; 8K-42 S/N 101 through 270; 10K-42 S/N 101 through 109; 10K-54 S/N 101 through 109)	
11	20212A	1	Check Valve	
12	P20979	1	Tee, Swivel	
13	P30177	1	Hyd Hose, 3/8in x 73in	
14	37606X	1	Hyd Hose, 3/4in x 71in	
15	37605X	1	Hyd Hose, 3/4in x 65in	
16	P17802	2	90, Elbow, O-Ring	
17		Ref	Pump-Valve (See PUMP - VALVE SUB ASSEMBLY for Breakdown)	
18	P18602	1	O-Ring	
19	14315A	4	Flange Half	
20	P01312	12	Lockwasher, 1/2in	
21	P00404	8	Capscrew, Hx, 1/2in-13 x 1 1/2in	
22	37603X	1	Hyd Suction Hose, 2in x 34in	
23	P12971	2	O-Ring	
24	P01508	5	Nut, Hx, 3/8in-16	
25	P01277	7	Flatwasher, 3/8in Hardened	
26	39839B	1	Bracket, Lower Pump Support	
27	39843B	1	Bracket, Upper Pump Support	
28	P00207	5	Capscrew, Hx, 3/8in-16 x 1 3/4in	
29	P00205	2	Capscrew, Hx, 3/8in-16 x 1 1/4in	
30	P20485	2	Clamp, Cushion	
31	65485B	1	Return Manifold (Replaces 36473B)	
32	P18929	2	Cap, Hex	
33	P18936	1	Connector, O-Ring	
34	P19055	1	90, Elbow, O-Ring	
35	P17785	1	Cap, Hex	
36	P14043	4	Hose Clamp	
37	10733174	1	Hose, Return - 1-1/4in I.D.	
38	38985A	1	90, Elbow, O-Ring - Hose	
39	10728957	1	O-Ring	
40	39537A	1	Connector, O-Ring (Long)	
41	38912B	1	Strainer, Hydraulic Oil (Includes Item 41)	

SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
42	37689X	1	O-Ring	
43	38944D	1	Tank, Fuel/Hydraulic (Includes Item 43)	
44	P10279	2	Drain Plug, O-Ring	
45	67139A	4	Belting, Hyd/Fuel Tank (Replaces N12344)	
46	P01510	4	Nut, Hx, 1/2in-13	
47	10718933	1	Adapter	

SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-19. VALVE PLATE COMPONENTS ASSEMBLY (MID INLET) (1044C-42,1044C-54,644B-37,644B-42,844C-42) (644B-37 SN 667 through 1303, Except SN 1290 through 1292, Including 591; 644B-42 SN 208 through 362, Except SN 342 through 343; 844C-42 SN 622 through 1352, Except SN 1341 through 1342, Excluding 1199, 1255, 1310 and 1330; 1044C-42 SN 117 through 126; 1044C-54 SN 155 through 313, Except SN 305 through 306, Excluding 287 and 291)



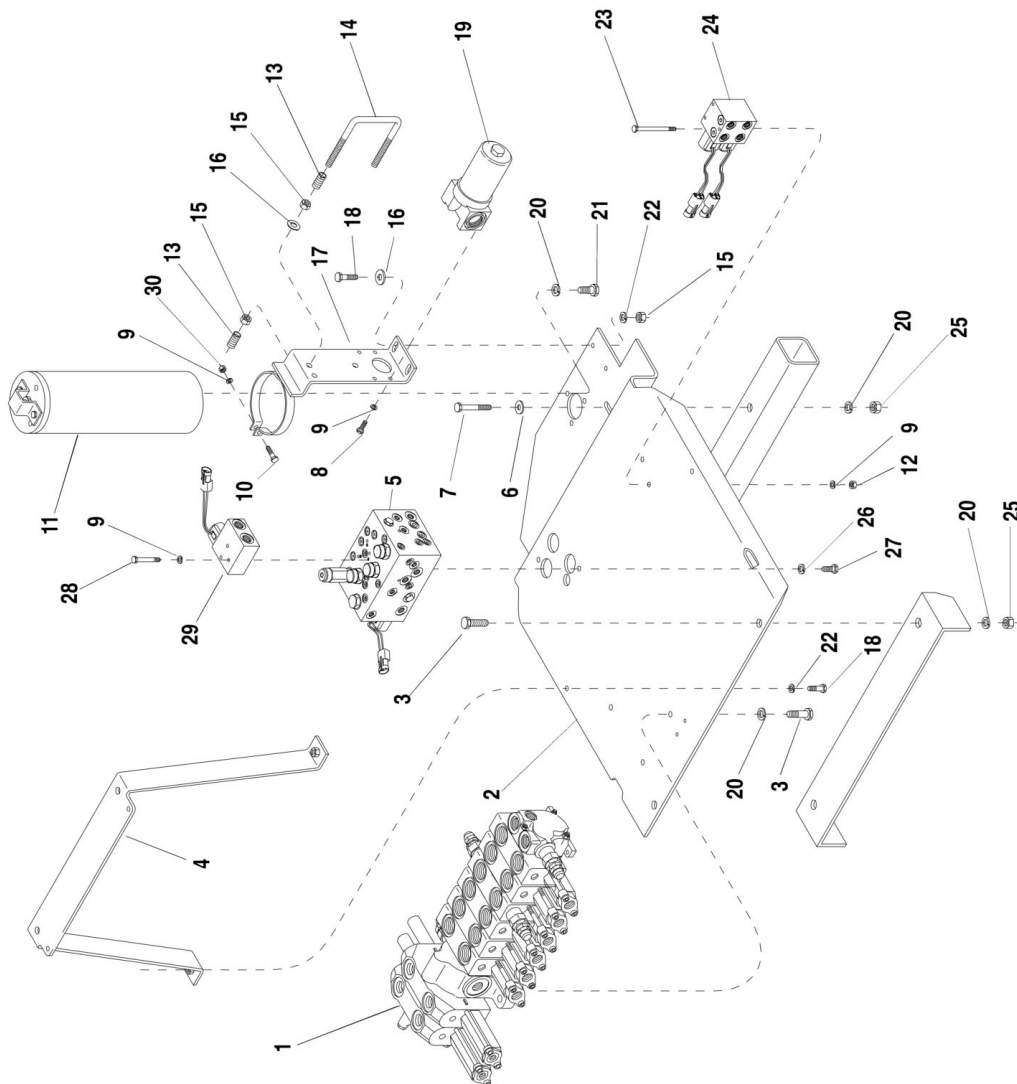
SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-19. VALVE PLATE COMPONENTS ASSEMBLY (MID INLET) (1044C-42,1044C-54,644B-37,644B-42,844C-42) (644B-37 SN 667 through 1303, Except SN 1290 through 1292, Including 591; 644B-42 SN 208 through 362, Except SN 342 through 343; 844C-42 SN 622 through 1352, Except SN 1341 through 1342, Excluding 1199, 1255, 1310 and 1330; 1044C-42 SN 117 through 126; 1044C-54 SN 155 through 313, Except SN 305 through 306, Excluding 287 and 291)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	39051B	1	Valve, Mid-Inlet - 6 Section (See HYDRAULIC CONTROL VALVE ASSEMBLY – (MID INLET) for Breakdown) (Note: Use on 644B w/Turbo Engine, 844C & 1044C)	
1	39720B	1	Valve, Mid-Inlet -7 Section (Note: Use on Machines with Natural Engine Only) (644B-37,644B-42)	
1	39053B	1	Valve, Mid-Inlet - 8 Section (Note: Use on Machines with Outriggers) (1044C-42,1044C-54,644B-37,644B-42,844C-42)	
2	38545D	1	Valve Plate	
3	P00403	2	Capscrew, Hx, 1/2in-13 x 1 1/4in	
4	38557B	1	Support Bracket, Hose Tray, Front	
5	39505A	1	Pressure Switch, Brake (Use with Wet Disc Brake)	
5	39339A	-	Pressure Switch, Brake (Use with Dry Disc Brake)	
6	39948B	1	Control Valve, Rear Axle Stabilizer (See CONTROL HYDRAULICS SECTION for Breakdown)	
7	P01254	1	Flatwasher, 1/2in Hardened	
8	P00411	1	Capscrew, Hx, 1/2in-13 x 3 1/4in	
9	P00001	4	Capscrew, Hx, 1/4in-20 x 1/2in	
10	P01308	9	Lockwasher, 1/4in	
11	P00006	1	Capscrew, Hx, 1/4in-20 x 1 1/4in	
12	P31556	1	Accumulator (Use with Wet Disc Brakes)	
12	P40147	-	Accumulator (Use with Dry Disc Brakes) (See STEERING AND BRAKE HYDRAULICS SECTION for Breakdown)	
13	P01506	4	Nut, Hx, 1/4in-20	
14	N12363	4	Hose Guard	
15	39360A	1	Hose Guide (Includes 1 each Items 16 & 17)	
16	P01508	4	Nut, Hx, 3/8in-16	
17	P01404	2	Flatwasher, 3/8in	
18	38549B	1	Mounting Bracket, Accumulator and Pressure Filter	
19	P00204	2	Capscrew, Hx, 3/8in-16 x 1in	
20	66450X	1	Pressure Filter (Replaces P29325) (See PRESSURE FILTER ASSEMBLY for Breakdown)	
21	P01312	9	Lockwasher, 1/2in	
22	P00452	3	Capscrew, Hx, 1/2in-20 x 1in	
23	P01310	9	Lockwasher, 3/8in	
24	P00015	2	Capscrew, Hx, 1/4in-20 x 3 1/2in	
25	39076C	1	Circuit Selector Valve (See 6 - PORT CIRCUIT SELECTOR VALVE ASSEMBLY for Breakdown)	
26	P01510	3	Nut, Hx, 1/4in-20	
27	P01309	2	Lockwasher, 5/16in	
28	P00103	2	Capscrew, Hx, 5/16in-18 x 7/8in	
29	P00009	3	Capscrew, Hx, 1/4in-20 x 2in (1044C-54)	
30	39949A	1	Boom Extend Lockout Valve (See CONTROL HYDRAULICS SECTION for Breakdown) (1044C-54)	
31	P05000	1	Locknut, Hx, 1/4in-20	

SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-20. VALVE PLATE COMPONENTS ASSEMBLY (MID INLET) (1044C-42,1044C-54,644B-37,644B-42,844C-42) (644B-37 SN 1290 through 1292, SN 1304 to Present; 644B-42 SN 342 through 343, SN 363 to Present; 844C-42 SN 1341 through 1342, SN 1353 to Present, Including 1199, 1255, 1310 and 1330; 1044C-42 SN 127 to Present; 1044C-54 SN 305 through 306, SN 314 to Present, Including 287 and 291)



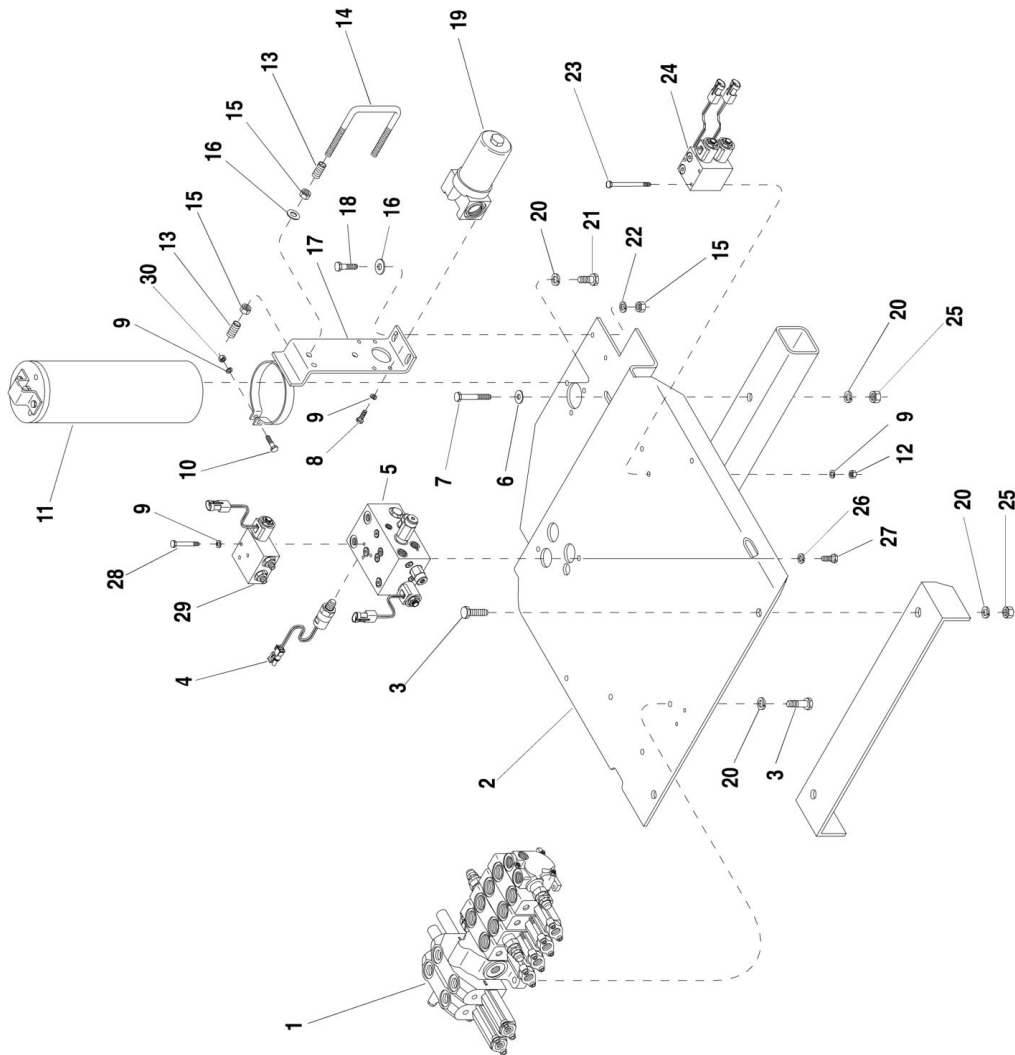
SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-20. VALVE PLATE COMPONENTS ASSEMBLY (MID INLET) (1044C-42,1044C-54,644B-37,644B-42,844C-42) (644B-37 SN 1290 through 1292, SN 1304 to Present; 644B-42 SN 342 through 343, SN 363 to Present; 844C-42 SN 1341 through 1342, SN 1353 to Present, Including 1199, 1255, 1310 and 1330; 1044C-42 SN 127 to Present; 1044C-54 SN 305 through 306, SN 314 to Present, Including 287 and 291)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	39051B	1	Valve, Mid-Inlet - 6 Section (See HYDRAULIC CONTROL VALVE ASSEMBLY – (MID INLET) for Breakdown) (Note: Use on 644B w/Turbo Engine, 844C & 1044C)	
1	39720B	1	Valve, Mid-Inlet - 7 Section (Note: Use on Machines with Natural Engine Only) (644B-37,644B-42)	
1	39053B	1	Valve, Mid-Inlet - 8 Section (Note: Use on Machines with Outriggers) (1044C-42,1044C-54,644B-37,644B-42,844C-42)	
2	38545D	1	Valve Plate	
3	P00403	2	Capscrew, Hx, 1/2in-13 x 1 1/4in	
4	38557B	1	Support Bracket, Hose Tray, Front	
5	66195C	1	Control Valve, Rear Axle Stabilizer (See CONTROL HYDRAULICS SECTION for Breakdown)	
6	P01254	1	Flatwasher, 1/2in Hardened	
7	P00411	1	Capscrew, Hx, 1/2in-13 x 3 1/4in	
8	P00001	4	Capscrew, Hx, 1/4in-20 x 1/2in	
9	P01308	9	Lockwasher, 1/4in	
10	P00006	1	Capscrew, Hx, 1/4in-20 x 1 1/4in	
11	P31556	1	Accumulator (Use with Wet Disc Brakes)	
11	P40147	-	Accumulator (Use with Dry Disc Brakes) (See STEERING AND BRAKE HYDRAULICS SECTION for Breakdown)	
12	P01506	4	Nut, Hx, 1/4in-20	
13	N12363	4	Hose Guard	
14	39360A	1	Hose Guide (Includes 1 each Items 16 & 17)	
15	P01508	4	Nut, Hx, 3/8in-16	
16	P01404	2	Flatwasher, 3/8in	
17	38549B	1	Mounting Bracket, Accumulator and Pressure Filter	
18	P00204	2	Capscrew, Hx, 3/8in-16 x 1in	
19	66450X	1	Pressure Filter (Replaces P29325) (See PRESSURE FILTER ASSEMBLY for Breakdown)	
20	P01312	9	Lockwasher, 1/2in	
21	P00452	3	Capscrew, Hx, 1/2in-20 x 1in	
22	P01310	9	Lockwasher, 3/8in	
23	P00015	2	Capscrew, Hx, 1/4in-20 x 3 1/2in	
24	39076C	1	Circuit Selector Valve (See PORT CIRCUIT SELECTOR VALVE ASSEMBLY for Breakdown)	
25	P01510	3	Nut, Hx, 1/4in-20	
26	P01309	2	Lockwasher, 5/16in	
27	P00103	2	Capscrew, Hx, 5/16in-18 x 7/8in	
28	P00009	3	Capscrew, Hx, 1/4in-20 x 2in (1044C-54)	
29	39949A	1	Boom Extend Lockout Valve (See CONTROL HYDRAULICS SECTION for Breakdown) (1044C-54)	
30	P05000	1	Locknut, Hx, 1/4in-20	

SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-21. VALVE PLATE COMPONENTS ASSEMBLY (MID INLET) (10K-42,10K-54,6K-37,6K-42,8K-42) (6K-37 SN 318 through 494; 6K-42 SN 120 through 178; 8K-42 SN 221 through 333, Excluding 328 and 331; 10K-42 SN 107 through 108; 10K-54 SN 104 through 113)



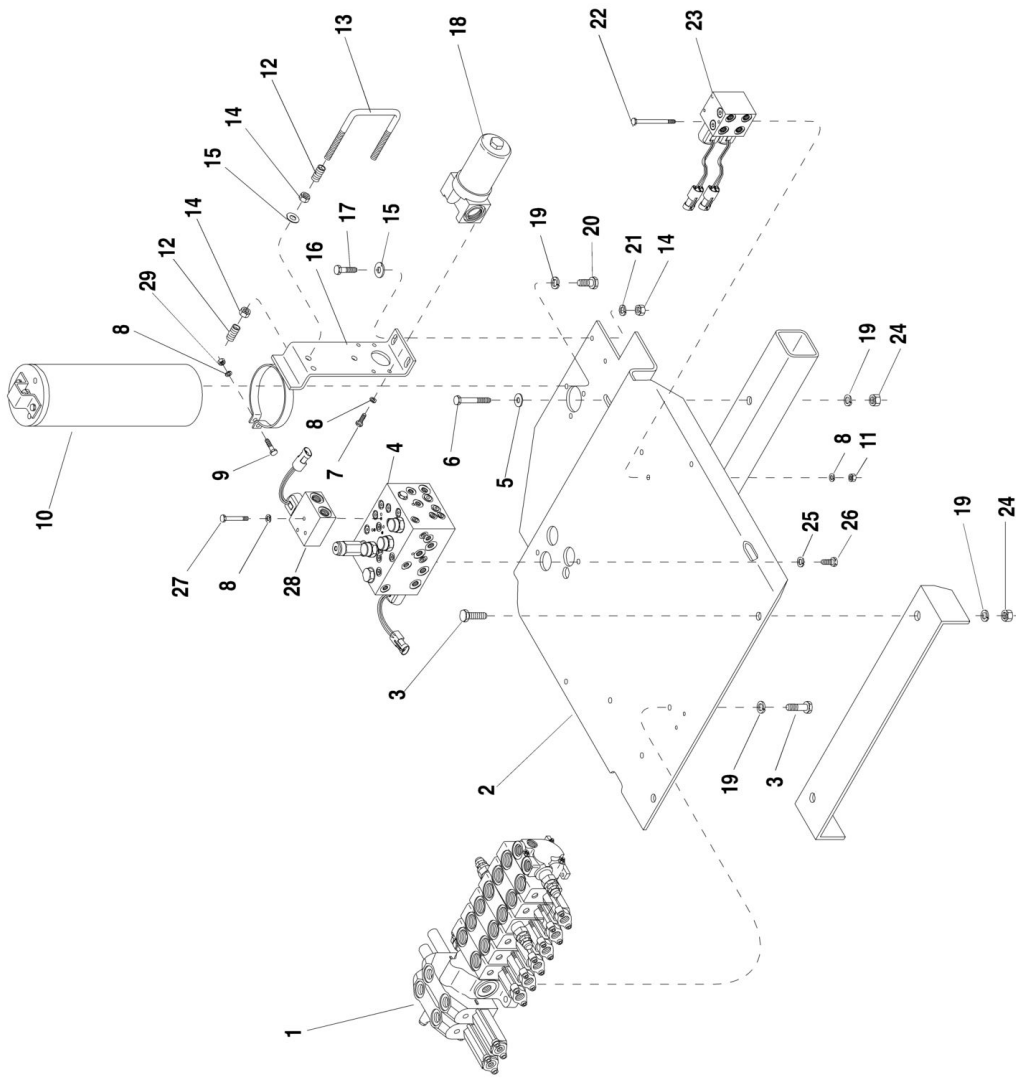
SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-21. VALVE PLATE COMPONENTS ASSEMBLY (MID INLET) (10K-42,10K-54,6K-37,6K-42,8K-42) (6K-37 SN 318 through 494; 6K-42 SN 120 through 178; 8K-42 SN 221 through 333, Excluding 328 and 331; 10K-42 SN 107 through 108; 10K-54 SN 104 through 113)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	39050B	1	Valve, Mid-Inlet - 4 Section (See HYDRAULIC CONTROL VALVE ASSEMBLY- (MID INLET) for Breakdown) (Note: Use on 6K w/Turbo Engine, 8K & 10K)	
1	39719B	1	Valve, Mid-Inlet -5 Section (Note: Use on Machines w/Natural Engine) (6K-37,6K-42)	
1	39052B	1	Valve, Mid-Inlet - 6 Section (Note: Use on Machines w/Outriggers) (10K-42,10K-54,8K-42)	
2	38545D	1	Valve Plate	
3	P00403	2	Capscrew, Hx, 1/2in-13 x 1 1/4in	
4	39505A	1	Pressure Switch, Brake (Use with Wet Disc Brake)	
4	39339A	-	Pressure Switch, Brake (Use with Dry Disc Brake)	
5	39948B	1	Control Valve, Rear Axle Stabilizer (See CONTROL HYDRAULICS SECTION for Breakdown)	
6	P01254	1	Flatwasher, 1/2in Hardened	
7	P00411	1	Capscrew, Hx, 1/2in-13 x 3 1/4in	
8	P00001	4	Capscrew, Hx, 1/4in-20 x 1/2in	
9	P01308	9	Lockwasher, 1/4in	
10	P00006	1	Capscrew, Hx, 1/4in-20 x 1 1/4in	
11	P31556	1	Accumulator (Use with Wet Disc Brakes)	
11	P40147	-	Accumulator (Use with Dry Disc Brakes) (See STEERING AND BRAKE HYDRAULICS SECTION for Breakdown)	
12	P01506	4	Nut, Hx, 1/4in-20	
13	N12363	4	Hose Guard	
14	39360A	1	Hose Guide (Includes 1 each Items 15 & 16)	
15	P01508	4	Nut, Hx, 3/8in-16	
16	P01404	2	Flatwasher, 3/8in	
17	38549B	1	Mounting Bracket, Accumulator and Pressure Filter	
18	P00204	2	Capscrew, Hx, 3/8in-16 x 1in	
19	66450X	1	Pressure Filter (Replaces P29325) (See PRESSURE FILTER ASSEMBLY for Breakdown)	
20	P01312	9	Lockwasher, 1/2in	
21	P00452	3	Capscrew, Hx, 1/2in-20 x 1in	
22	P01310	9	Lockwasher, 3/8in	
23	P00015	2	Capscrew, Hx, 1/4in-20 x 3 1/2in	
24	39076C	1	6 Port Circuit Selector Valve (See 6 - PORT CIRCUIT SELECTOR VALVE ASSEMBLY for Breakdown)	
25	P01510	3	Nut, Hx, 1/4in-20	
26	P01309	2	Lockwasher, 5/16in	
27	P00103	2	Capscrew, Hx, 5/16in-18 x 7/8in	
28	P00009	3	Capscrew, Hx, 1/4in-20 x 2in (10K-54)	
29	39949A	1	Boom Extend Lockout Valve (See CONTROL HYDRAULICS SECTION for Breakdown) (10K-54)	
30	P05000	1	Locknut, Hx, 1/4in-20	

SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-22. VALVE PLATE COMPONENTS ASSEMBLY (MID INLET) (10K-42,10K-54,6K-37,6K-42,8K-42) (6K-37 SN 495 to Present; 6K-42 SN 179 to Present; 8K-42 SN 334 to Present, Including 328 and 331; 10K-42 SN 109 to Present; 10K-54 SN 114 to Present)



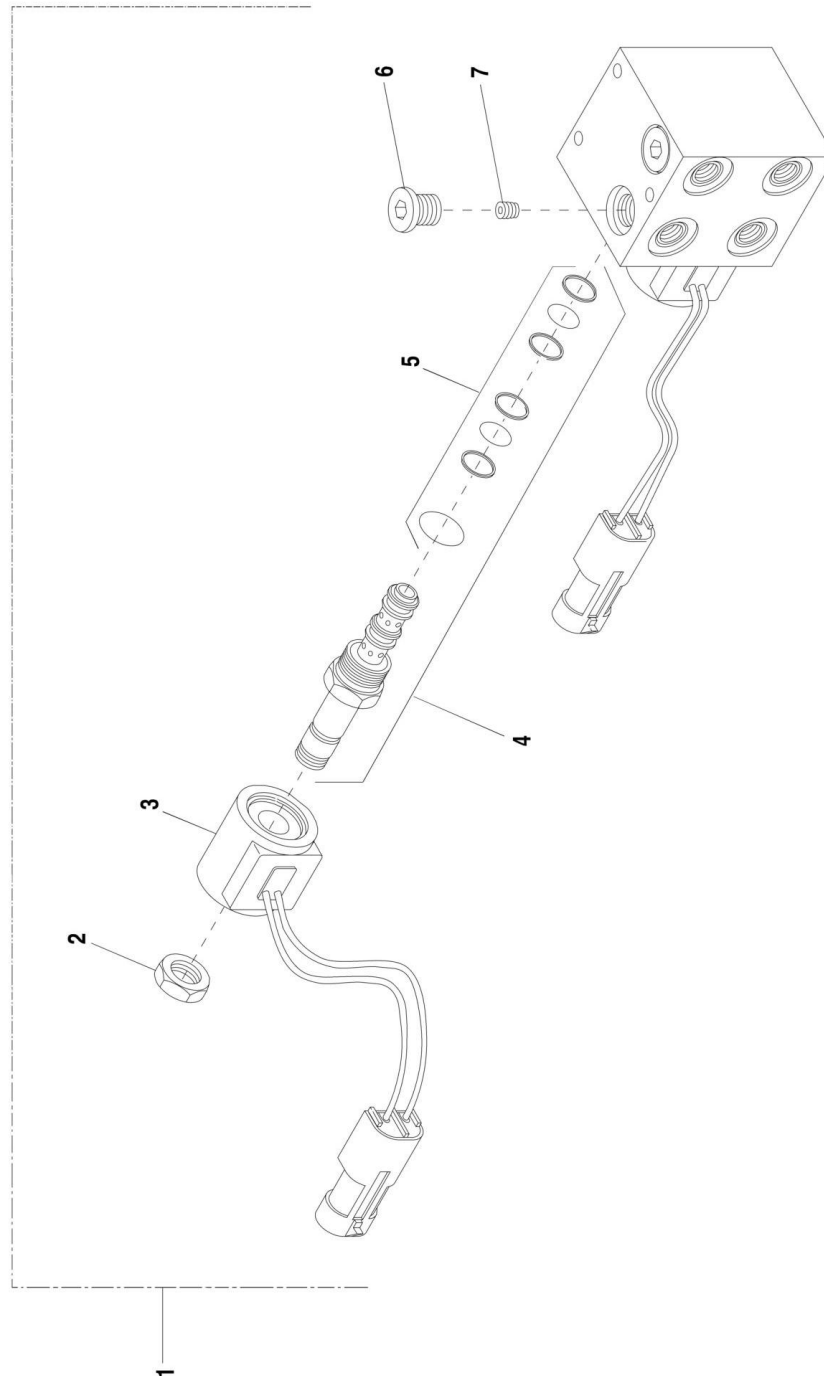
SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-22. VALVE PLATE COMPONENTS ASSEMBLY (MID INLET) (10K-42,10K-54,6K-37,6K-42,8K-42) (6K-37 SN 495 to Present; 6K-42 SN 179 to Present; 8K-42 SN 334 to Present, Including 328 and 331; 10K-42 SN 109 to Present; 10K-54 SN 114 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	39050B	1	Valve, Mid-Inlet - BOOM AND TRANSFER CARRIAGE SECTION (See HYDRAULIC CONTROL VALVE ASSEMBLY for Breakdown) (10K-42,6K-42,8K-42)	
1	39719B	-	Valve, Mid-Inlet - 5 Section (Note: Use on Machines with Natrual Engines Only) (6K-37,6K-42)	
1	39052B	-	Valve, Mid-Inlet - 6 Section (Note: Use on Machines with Outriggers) (10K-42,10K-54,8K-42)	
2	38545D	1	Valve Plate	
3	P00403	2	Capscrew, Hx, 1/2in-13 x 1 1/4in	
4	66195C	1	Control Valve, Rear Axle Stabilizer (See CONTROL HYDRAULICS SECTION for Breakdown)	
5	P01254	1	Flatwasher, 1/2in Hardened	
6	P00411	1	Capscrew, Hx, 1/2in-13 x 3 1/4in	
7	P00001	4	Capscrew, Hx, 1/4in-20 x 1/2in	
8	P01308	9	Lockwasher, 1/4in	
9	P00006	1	Capscrew, Hx, 1/4in-20 x 1 1/4in	
10	P31556	1	Accumulator (Use with Wet Disc Brakes)	
10	P40147	-	Accumulator (Use with Dry Disc Brakes) (See STEERING AND BRAKE HYDRAULICS SECTION for Breakdown)	
11	P01506	4	Nut, Hx, 1/4in-20	
12	N12363	4	Hose Guard	
13	39360A	1	Hose Guide (Includes 1 each Items 15 & 16)	
14	P01508	4	Nut, Hx, 3/8in-16	
15	P01404	2	Flatwasher, 3/8in	
16	38549B	1	Mounting Bracket, Accumulator and Pressure Filter	
17	P00204	2	Capscrew, Hx, 3/8in-16 x 1in	
18	66450X	1	Pressure Filter (Replaces P29325) (See PRESSURE FILTER ASSEMBLY for Breakdown)	
19	P01312	9	Lockwasher, 1/2in	
20	P00452	3	Capscrew, Hx, 1/2in-20 x 1in	
21	P01310	9	Lockwasher, 3/8in	
22	P00015	2	Capscrew, Hx, 1/4in-20 x 3 1/2in	
23	39076C	1	6 Port Circuit Selector Valve (See 6 - PORT CIRCUIT SELECTOR VALVE ASSEMBLY for Breakdown)	
24	P01510	3	Nut, Hx, 1/4in-20	
25	P01309	2	Lockwasher, 5/16in	
26	P00103	2	Capscrew, Hx, 5/16in-18 x 7/8in	
27	P00009	3	Capscrew, Hx, 1/4in-20 x 2in (10K-54)	
28	39949A	1	Boom Extend Lockout Valve (See CONTROL HYDRAULICS SECTION for Breakdown) (10K-54)	
29	P05000	1	Locknut, Hx, 1/4in-20	

SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-23. 6 - PORT CIRCUIT SELECTOR VALVE ASSEMBLY (644B-37 Including 591; 644B-42 SN 208 to Present; 844C-42 SN 622 to Present; 1044C-42 SN 117 to Present; 1044C-54 SN 155 to Present; 6K-37 SN 318 to Present; 6K-42 SN 120 to Present; 8K-42 SN 221 to Present; 10K-42 SN 107 to Present; 10K-54 SN 104 to Present; SN 667 to Present)



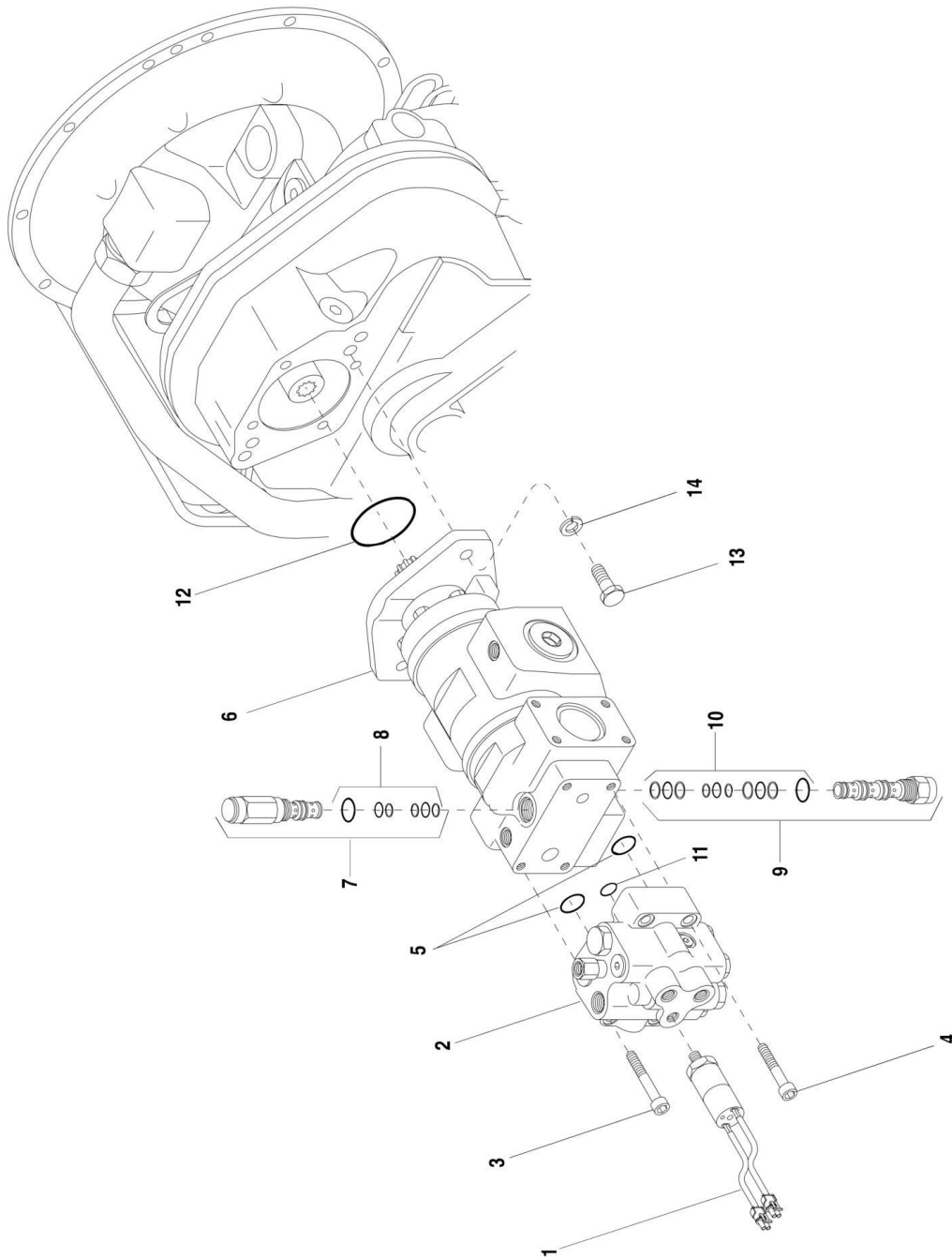
SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-23. 6 - PORT CIRCUIT SELECTOR VALVE ASSEMBLY (644B-37 Including 591; 644B-42 SN 208 to Present; 844C-42 SN 622 to Present; 1044C-42 SN 117 to Present; 1044C-54 SN 155 to Present; 6K-37 SN 318 to Present; 6K-42 SN 120 to Present; 8K-42 SN 221 to Present; 10K-42 SN 107 to Present; 10K-54 SN 104 to Present; SN 667 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	39076C	1	6 - Port Circuit Selector Valve Assembly	
2	P40662	1	Nut	
3	38329A	1	Coil	
4	37352X	1	Solenoid Valve	
5	37355X	1	Seal Kit	
6	P27933	2	O-Ring Plug, Hollow Hex	
7	37571X	2	Orifice Plug	

SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-24. PUMP-VALVE SUB ASSEMBLY (644B-37 SN 667 through 1178, Including 591; 644B-42 SN 208 through 341; 844C-42 SN 622 through 1241; 1044C-42 SN 117 through 125; 1044C-54 SN 155 through 293; 6K-37 SN 318 through 487; 6K-42 SN 120 through 178; 8K-42 SN 221 through 330; 10K-42 SN 107 through 108; 10K-54 SN 104 through 113)



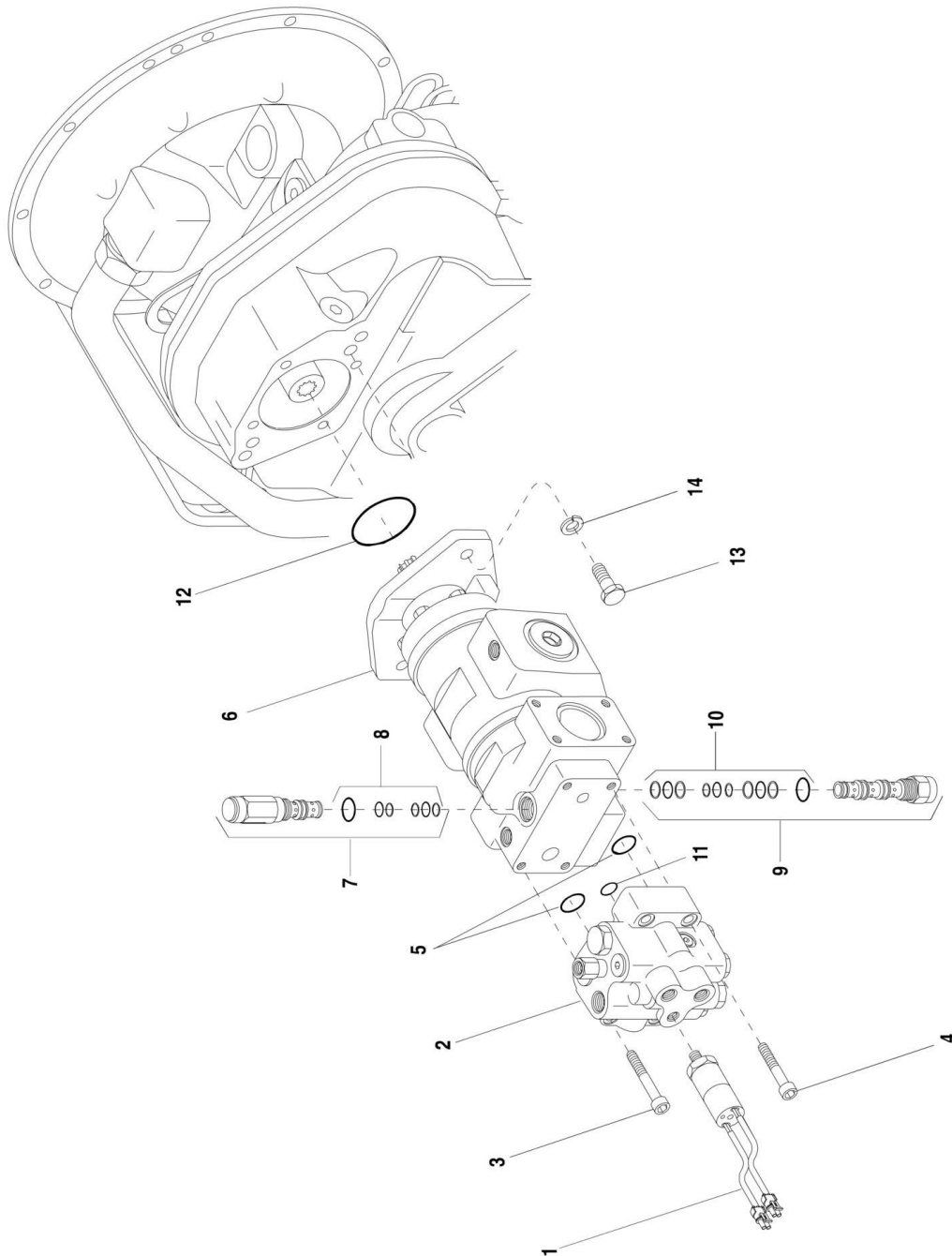
SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-24. PUMP-VALVE SUB ASSEMBLY (644B-37 SN 667 through 1178, Including 591; 644B-42 SN 208 through 341; 844C-42 SN 622 through 1241; 1044C-42 SN 117 through 125; 1044C-54 SN 155 through 293; 6K-37 SN 318 through 487; 6K-42 SN 120 through 178; 8K-42 SN 221 through 330; 10K-42 SN 107 through 108; 10K-54 SN 104 through 113)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	39811C	1	Pump-Valve Assembly (Includes Items 2-11) (Note: Used on Machines with Natural Engines only) (644B-37,644B-42,6K-37,6K-42)	
	39812C	1	Pump-Valve Assembly (Includes Items 2-11)	
	39813C	1	Pump-Valve Assembly (Includes Items 2-11) (Use with Dry Disc Brakes)	
1	38271A	1	Pressure Switch, Low Brake (Use with Wet Disc)	
1	38403A	-	Pressure Switch, Low Brake (Use with Dry Disc)	
2	66924A	1	Valve, Priority - Charge (Includes Items 3 & 4) (Use with Wet Disc Brakes)	
2	66925A	-	Valve, Priority - Charge (Includes Items 3 & 4) (Use with Dry Disc Brakes)	
2	37083X	1	Repair Kit, Priority - Charge Valve	
3	P01826	2	Capscrew, Socket Hd, 3/8in-16 x 3in	
4	P01822	2	Capscrew, Socket Hd, 3/8in-16 x 2in	
5	P10547	2	O-Ring	
6	39692D	1	Pump, Hydraulic (Includes Items 7 & 9) (Note: Used on Machines with Natural Engines only) (644B-37,644B-42,6K-37,6K-42)	
6	39693D	-	Pump, Hydraulic (Includes Items 7 & 9)	
7	37002X	1	Cartridge, Pressure Reducing Valve	
8	37003X	1	Seal Kit	
9	37004X	1	Cartridge, Directional Valve	
10	37005X	1	Seal Kit	
11	P26838	1	O-Ring	
12	P18602	1	O-Ring	
13	P00403	2	Capscrew, Hx, 1/2in-13 x 1 1/4in	
14	P01312	2	Lockwasher, 1/2in	

SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-25. PUMP-VALVE SUB ASSEMBLY (644B-37 SN 1179 to Present; 644B-42 SN 342 to Present; 844C-42 SN 1242 to Present; 1044C-42 SN 126 to Present; 1044C-54 SN 294 to Present; 6K-37 SN 488 to Present; 6K-42 SN 179 to Present; 8K-42 SN 331 to Present; 10K-42 SN 109 to Present; 10K-54 SN 114 to Present)



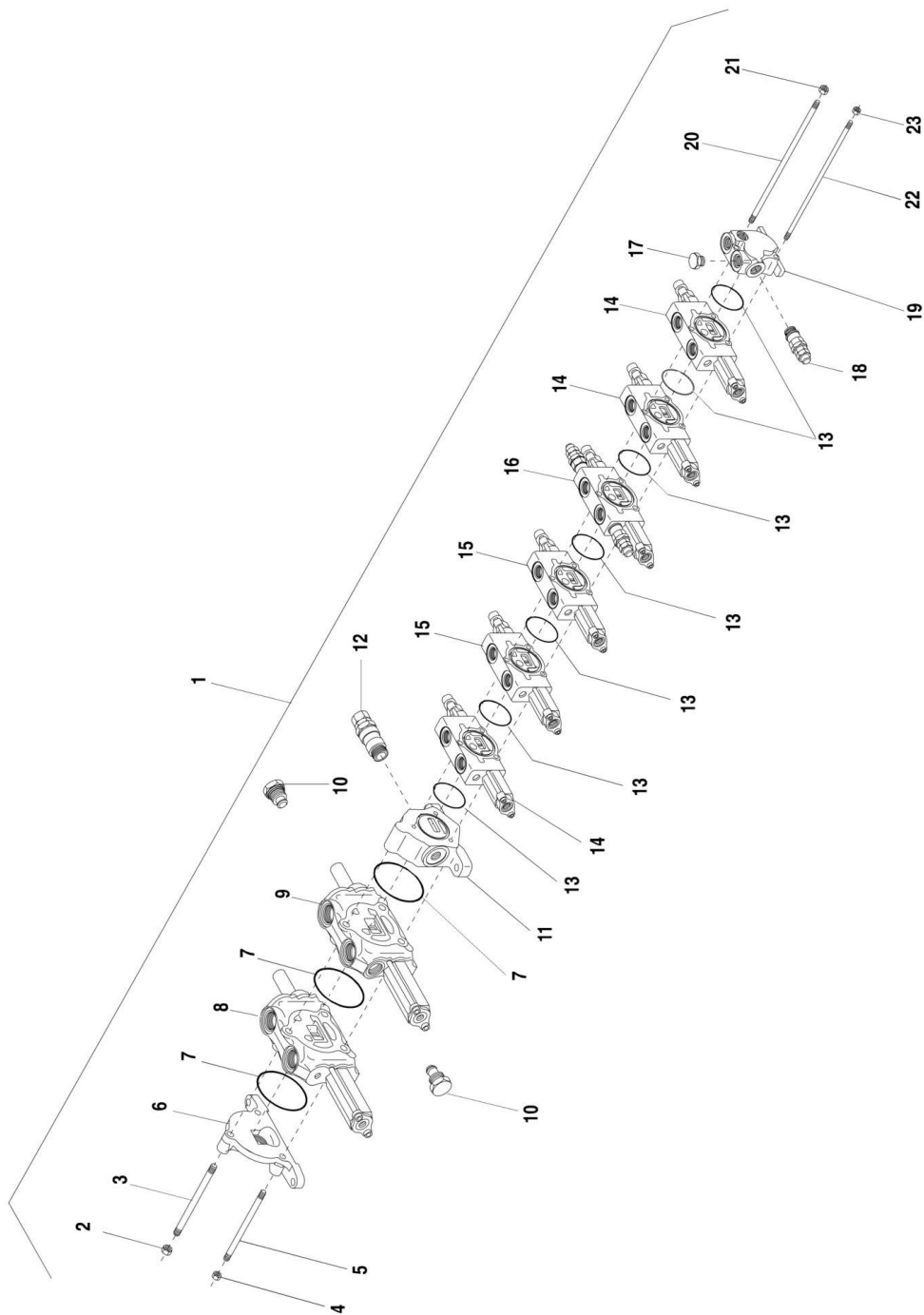
SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-25. PUMP-VALVE SUB ASSEMBLY (644B-37 SN 1179 to Present; 644B-42 SN 342 to Present; 844C-42 SN 1242 to Present; 1044C-42 SN 126 to Present; 1044C-54 SN 294 to Present; 6K-37 SN 488 to Present; 6K-42 SN 179 to Present; 8K-42 SN 331 to Present; 10K-42 SN 109 to Present; 10K-54 SN 114 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	39811C	1	Pump-Valve Assembly (Includes Items 2-11) (Note: Used on Machines with Natural Engines only) (644B-37,644B-42,6K-37,6K-42)	
	39812C	1	Pump-Valve Assembly (Includes Items 2-11)	
	39813C	1	Pump-Valve Assembly (Includes Items 2-11) (Use with Dry Disc Brakes)	
1	38271A	1	Pressure Switch, Low Brake (Use with Wet Disc)	
1	38403A	-	Pressure Switch, Low Brake (Use with Dry Disc)	
2	66922C	1	Valve, Priority - Charge (Includes Items 3 & 4) (Use/w Wet Disc Brakes) (Replaces 39694C)	
2	66923C	-	Valve, Priority - Charge (Includes Items 3 & 4) (Use/w Dry Disc Brakes) (Replaces 39695C)	
2	37083X	1	Repair Kit, Priority - Charge Valve	
3	P01826	2	Capscrew, Socket Hd, 3/8in-16 x 3in	
4	P01822	2	Capscrew, Socket Hd, 3/8in-16 x 2in	
5	P10547	2	O-Ring	
6	39692D	1	Pump, Hydraulic (Includes Items 7 & 9) (Note: Used on Machines with Natural Engines only) (644B-37,644B-42,6K-37,6K-42)	
6	39693D	-	Pump, Hydraulic (Includes Items 7 & 9)	
7	37002X	1	Cartridge, Pressure Reducing Valve	
8	37003X	1	Seal Kit	
9	37004X	1	Cartridge, Directional Valve	
10	37005X	1	Seal Kit	
11	P26838	1	O-Ring	
12	P18602	1	O-Ring	
13	10704254	2	Capscrew, Hx, M14-2.00 x 40mm Cl 8.8	
14	10704610	2	Lockwasher, M14	

SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-26. HYDRAULIC CONTROL VALVE ASSEMBLY - (MID INLET) (1044C-42,1044C-54,844C-42) (844C-42 SN 622 to Present; 1044C-42 SN 117 to Present; 1044C-54 SN 155 to Present)



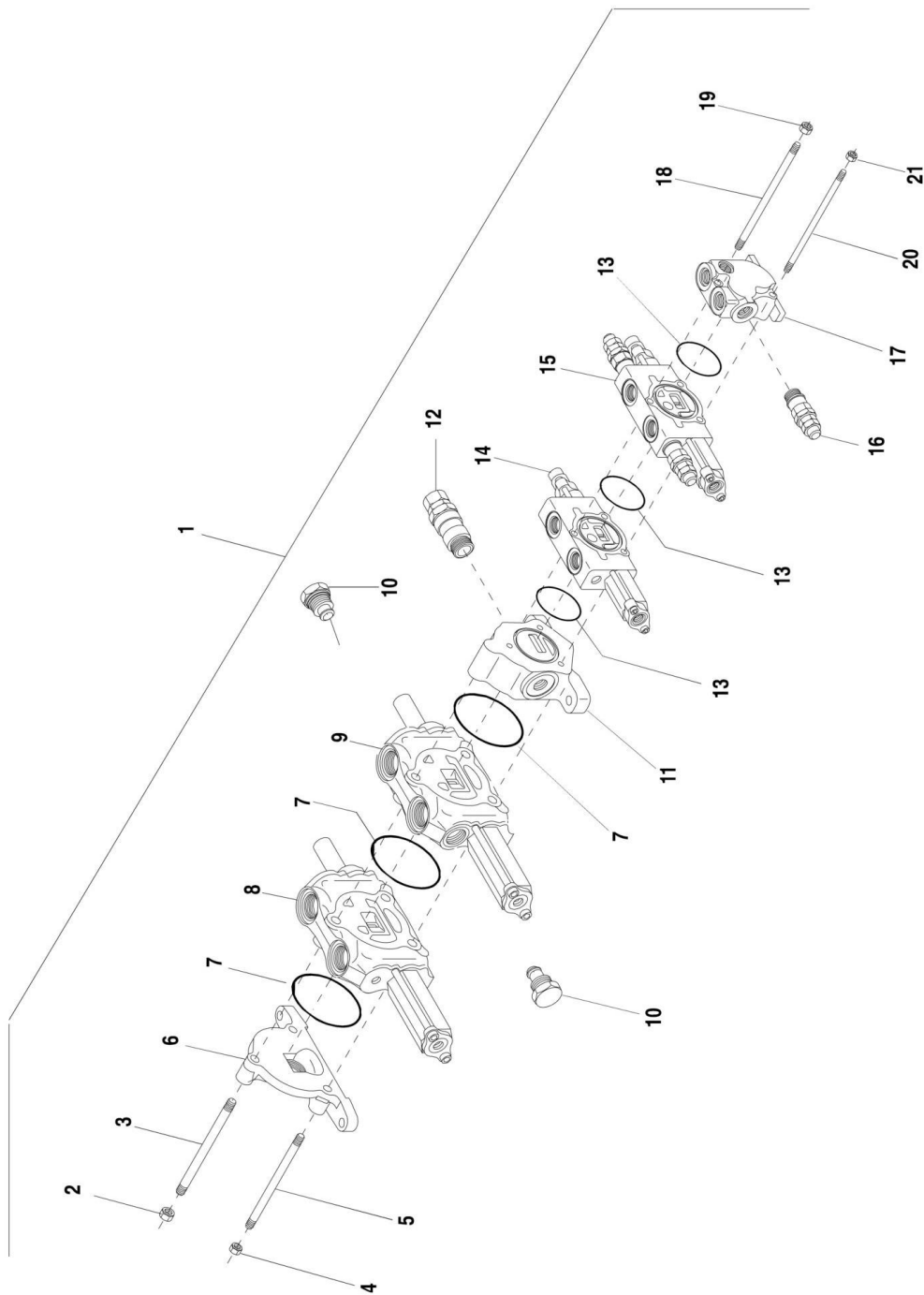
SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-26. HYDRAULIC CONTROL VALVE ASSEMBLY - (MID INLET) (1044C-42,1044C-54,844C-42) (844C-42 SN 622 to Present; 1044C-42 SN 117 to Present; 1044C-54 SN 155 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	39051B	1	6 Section Mid-Inlet Valve Assembly	
1	39720B	-	7 Section Mid-Inlet Valve Assembly	
1	39053B	-	8 Section Mid-Inlet Valve Assembly	
1	39054B	-	9 Section Mid-Inlet Valve Assembly	
2	P05029	1	Locknut, Hx, 1/2in-20 Grade C	
3	37909X	1	Tie Rod, 1/2in-20	
4	P05028	2	Locknut, Hx, 7/16in-20 Grade C	
5	37910X	2	Tie Rod, 7/16in-20	
6	37902X	1	Outlet Section	
7	P91782	3	O-Ring	
8	36546X	1	Valve Section Assembly - Boom Extension (See VALVE SECTION ASSEMBLY - BOOM for Breakdown)	
9	37907X	1	Valve Section Assembly - Boom Hoist (See VALVE SECTION ASSEMBLY - BOOM for Breakdown)	
10	37953X	2	Shut-Off Plug	
11	37901X	1	Mid-Inlet Section	
12	37952X	1	Relief Valve Assembly (See RELIEF VALVE ASSEMBLY - MID INLET for Breakdown)	
13	37923X		O-Ring (Note: 5 Required for 6 Section Valve, 6 Required for 7 Section Valve, 7 Required for 8 Section Valve, 8 Required for 9 Section Valve)	
14	37904X	3	Valve Section Assembly - Frame Tilt/Outriggers (See VALVE SECTION ASSEMBLY - FR TILT/TRANSFER/AUX/OUTRIG/UNLOADER for Breakdown)	
15	37905X	2	Valve Section Assembly - Transfer/Auxilliary (See VALVE SECTION ASSEMBLY - FR TILT/TRANSFER/AUX/OUTRIG/UNLOADER for Breakdown)	
16	37906X	1	Valve Section Assembly - Carriage Fork Tilt (See VALVE SECTION ASSEMBLY - CARRIAGE FORK TILT for Breakdown)	
17	P15447	1	O-Ring Plug, Hex	
18	37951X	1	Relief Valve Assembly (See RELIEF VALVE ASSEMBLY for Breakdown)	
19	37900X	1	Inlet Section	
20	37919X	1	Tie Rod, 3/8in-24 (For 6 Section Valve)	
20	37920X	-	Tie Rod, 3/8in-24 (For 7 Section Valve)	
20	37921X	-	Tie Rod, 3/8in-24 (For 8 Section Valve)	
20	37922X	-	Tie Rod, 3/8in-24 (For 9 Section Valve)	
21	P05027	1	Locknut, Hx, 3/8in-24 Grade C	
22	37913X	2	Tie Rod, 5/16in-18 (For 6 Section Valve)	
22	37914X	-	Tie Rod, 5/16in-18 (For 7 Section Valve)	
22	37915X	-	Tie Rod, 5/16in-18 (For 8 Section Valve)	
22	37916X	-	Tie Rod, 5/16in-18 (For 9 Section Valve)	
23	P05001	2	Locknut, Hx, 5/16in-18 Grade C	

SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-27. HYDRAULIC CONTROL VALVE ASSEMBLY - (MID INLET) (10K-42,10K-54,8K-42) (8K-42 SN 221 to Present; 10K-42 SN 107 to Present; 10K-54 SN 104 to Present)



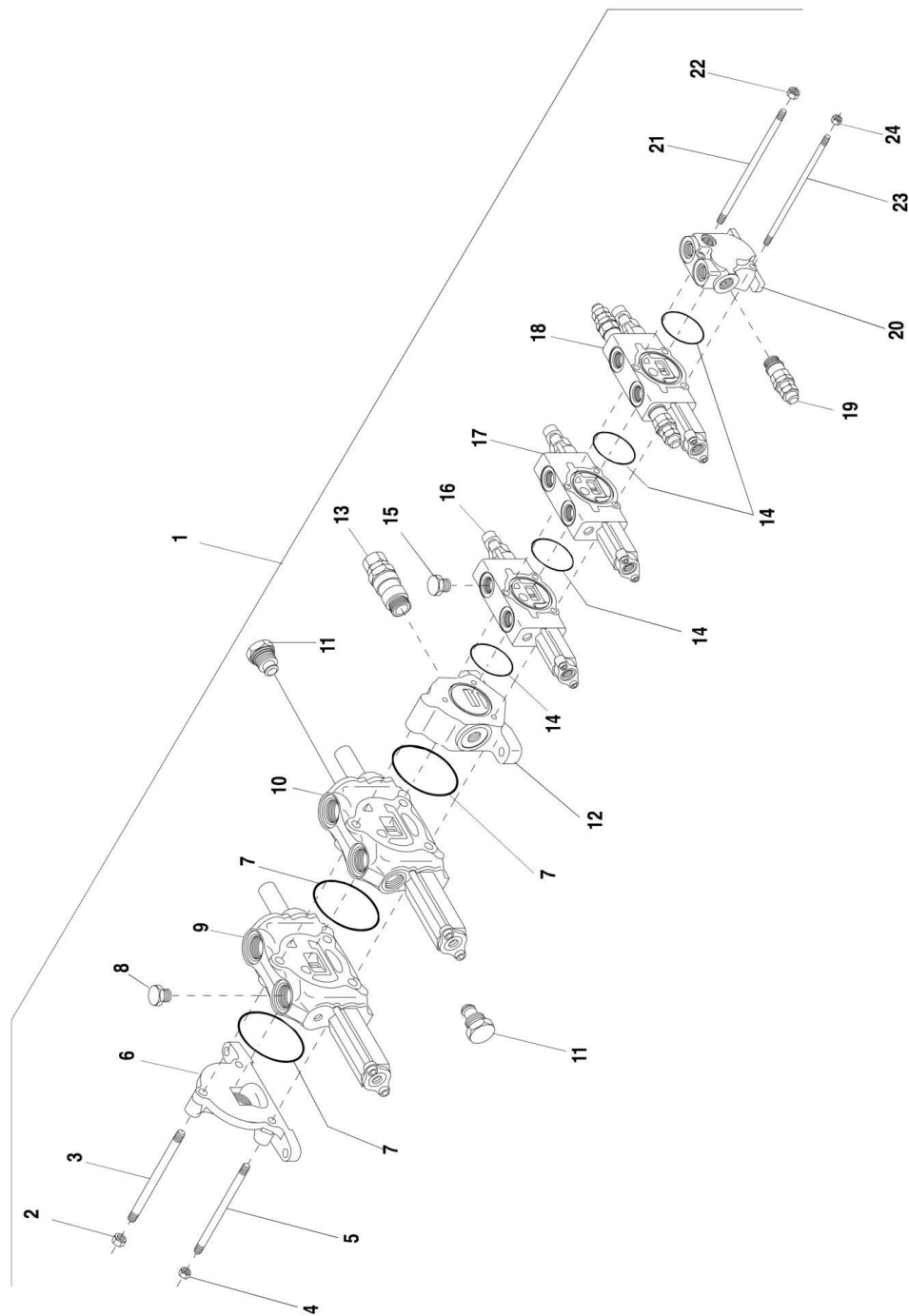
SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-27. HYDRAULIC CONTROL VALVE ASSEMBLY - (MID INLET) (10K-42,10K-54,8K-42) (8K-42 SN 221 to Present; 10K-42 SN 107 to Present; 10K-54 SN 104 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	39050B	1	4 Section Mid-Inlet Valve Assembly	
1	65204B	-	5 Section Mid-Inlet Valve Assembly	
1	39052B	-	6 Section Mid-Inlet Valve Assembly	
1	39983B	-	7 Section Mid-Inlet Valve Assembly	
2	P05029	1	Locknut, Hx, 1/2in-20 Grade C	
3	37909X	1	Tie Rod, 1/2in-20	
4	P05028	2	Locknut, Hx, 7/16in-20 Grade C	
5	37910X	2	Tie Rod, 7/16in-20	
6	37902X	1	Outlet Section	
7	P91782	3	O-Ring	
8	36546X	1	Valve Section Assembly - Boom Extension (See VALVE SECTION ASSEMBLY - BOOM for Breakdown)	
9	37907X	1	Valve Section Assembly - Boom Hoist (See VALVE SECTION ASSEMBLY - BOOM for Breakdown)	
10	37953X	2	Shut-Off Plug	
11	37901X	1	Mid-Inlet Section	
12	37952X	1	Relief Valve Assembly (See RELIEF VALVE ASSEMBLY - MID INLET for Breakdown)	
13	37923X		O-Ring (Note: 3 Required for 4 Section Valve, 4 Required for 5 Section Valve, 5 Required for 6 Section Valve, 6 Required for 7 Section Valve, 7 Required for 8 Section Valve, 8 Required for 9 Section Valve)	
14	37904X	1	Valve Section Assembly - Frame Tilt/Outriggers (See VALVE SECTION ASSEMBLY - FR. TILT./TRANSFER/AUX./OUTRIG./UNLOADER for Breakdown)	
15	37906X	1	Valve Section Assembly - Carriage Fork Tilt (See VALVE SECTION ASSEMBLY - CARRIAGE FORK TILT for Breakdown)	
15	37905X	-	Valve Section Assembly - Transfer/Auxilliary (See VALVE SECTION ASSEMBLY - FR TILT/TRANSFER/AUX/OUTRIG/UNLOADER for Breakdown) (Note: Not Illustrated)	
16	37951X	1	Relief Valve Assembly (See RELIEF VALVE ASSEMBLY for Breakdown)	
17	37900X	1	Inlet Section	
18	37917X	1	Tie Rod, 3/8in-24 (For 4 Section Valve)	
18	37918X	-	Tie Rod, 3/8in-24 (For 5 Section Valve)	
18	37919X	-	Tie Rod, 3/8in-24 (For 6 Section Valve)	
18	37920X	-	Tie Rod, 3/8in-24 (For 7 Section Valve)	
18	37921X	-	Tie Rod, 3/8in-24 (For 8 Section Valve)	
18	37922X	-	Tie Rod, 3/8in-24 (For 9 Section Valve)	
19	P05027	1	Locknut, Hx, 3/8in-24 Grade C	
20	37911X	2	Tie Rod, 5/16in-18 (For 4 Section Valve)	
20	37912X		Tie Rod, 5/16in-18 (For 5 Section Valve)	
20	37913X	-	Tie Rod, 5/16in-18 (For 6 Section Valve)	
20	37914X	-	Tie Rod, 5/16in-18 (For 7 Section Valve)	
20	37915X	-	Tie Rod, 5/16in-18 (For 8 Section Valve)	
20	37916X	-	Tie Rod, 5/16in-18 (For 9 Section Valve)	
21	P05001	2	Locknut, Hx, 5/16in-18 Grade C	

SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-28. HYDRAULIC CONTROL VALVE ASSEMBLY - (MID INLET) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 667 to Present, Including 591; 644B-42 SN 208 to Present; 6K-37 SN 318 to Present; 6K-42 SN 120 to Present)



SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-28. HYDRAULIC CONTROL VALVE ASSEMBLY - (MID INLET) (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 667 to Present, Including 591; 644B-42 SN 208 to Present; 6K-37 SN 318 to Present; 6K-42 SN 120 to Present)

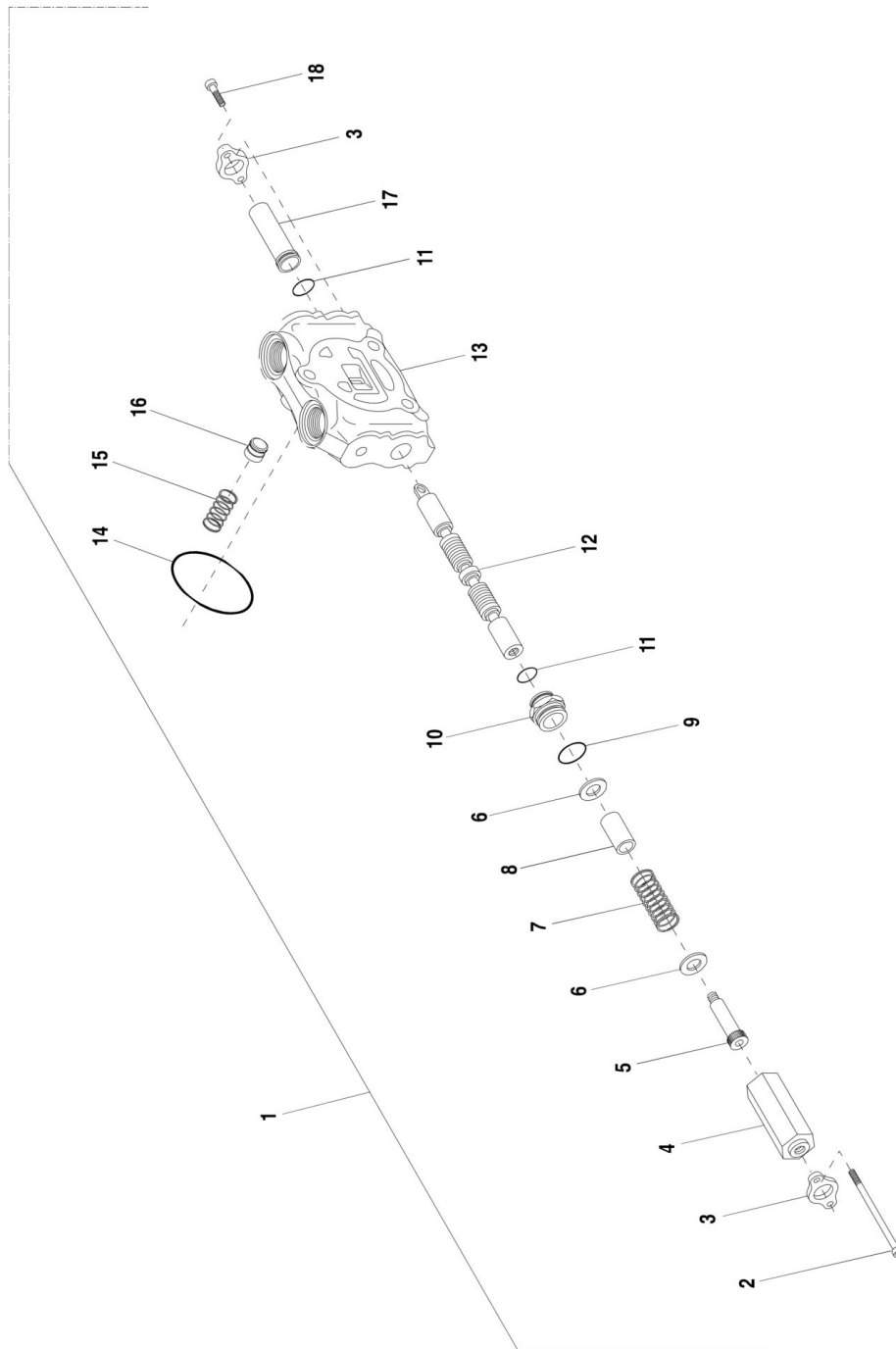
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	39050B	1	4 Section Mid-Inlet Valve Assembly	
1	65204B	-	5 Section Mid-Inlet Valve Assembly	
1	39052B	-	6 Section Mid-Inlet Valve Assembly	
1	39983B	-	7 Section Mid-Inlet Valve Assembly	
1	39719B	-	5 Section Mid-Inlet Valve Assembly (Note: Used with Natural Engines Only)	
1	39720B	-	7 Section Mid-Inlet Valve Assembly (Note: Used with Natural Engines Only)	
2	P05029	1	Locknut, Hx, 1/2in-20 Grade C	
3	37909X	1	Tie Rod, 1/2in-20	
4	P05028	2	Locknut, Hx, 7/16in-20 Grade C	
5	37910X	2	Tie Rod, 7/16in-20	
6	37902X	1	Outlet Section	
7	P91782	3	O-Ring	
8	P91786	1	O-Ring Plug, Hex	
9	36546X	1	Valve Section Assembly - Boom Extension (See VALVE SECTION ASSEMBLY - BOOM for Breakdown)	
10	37907X	1	Valve Section Assembly - Boom Hoist	
11	37953X	2	Shut-Off Plug	
12	37901X	1	Mid-Inlet Section	
13	37952X	1	Relief Valve Assembly (See RELIEF VALVE ASSEMBLY - MID INLET for Breakdown)	
14	37923X		O-Ring (Note: 5 Required for 6 Section Valve, 6 Required for 7 Section Valve, 7 Required for 8 Section Valve, 8 Required for 9 Section Valve, Used with Natural Engines Only)	
15	P15447	1	O-Ring Plug, Hex	
16	37903X	1	Valve Section Assembly - Unloader (See VALVE SECTION ASSEMBLY - FR TILT/TRANSFER/AUX/OUTRIG/UNLOADER for Breakdown) (Note: Used with Natural Engines Only)	
17	37904X	1	Valve Section Assembly - Frame Tilt/Outriggers (See VALVE SECTION ASSEMBLY - FR TILT/TRANSFER/AUX/OUTRIG/UNLOADER1 for Breakdown)	
18	37906X	1	Valve Section Assembly - Carriage Fork Tilt (See VALVE SECTION ASSEMBLY - CARRIAGE FORK TILT for Breakdown)	
19	37951X	1	Relief Valve Assembly (See RELIEF VALVE ASSEMBLY for Breakdown)	
20	37900X	1	Inlet Section	
21	37917X	-	Tie Rod, 3/8in-24 (For 4 Section Valve)	
21	37918X	1	Tie Rod, 3/8in-24 (For 5 Section Valve)	
21	37919X		Tie Rod, 3/8in-24 (For 6 Section Valve)	
21	37920X	-	Tie Rod, 3/8in-24 (For 7 Section Valve)	
21	37921X	-	Tie Rod, 3/8in-24 (For 8 Section Valve)	
21	37922X	-	Tie Rod, 3/8in-24 (For 9 Section Valve)	
22	P05027	1	Locknut, Hx, 3/8in-24 Grade C	
23	37911X		Tie Rod, 5/16in-18 (For 4 Section Valve)	
23	37912X		Tie Rod, 5/16in-18 (For 5 Section Valve)	
23	37913X	2	Tie Rod, 5/16in-18 (For 6 Section Valve)	
23	37914X	-	Tie Rod, 5/16in-18 (For 7 Section Valve)	
23	37915X	-	Tie Rod, 5/16in-18 (For 8 Section Valve)	
23	37916X	-	Tie Rod, 5/16in-18 (For 9 Section Valve)	

SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
24	P05001	2	Locknut, Hx, 5/16in-18 Grade C	

SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-29. VALVE SECTION ASSEMBLY - BOOM (644B-37 SN 667 to Present, Including 591; 644B-42 SN 208 to Present; 844C-42 SN 622 to Present; 1044C-42 SN 117 to Present; 1044C-54 SN 155 to Present; 6K-37 SN 318 to Present; 6K-42 SN 120 to Present; 8K-42 SN 221 to Present; 10K-42 SN 107 to Present; 10K-54 SN 104 to Present)



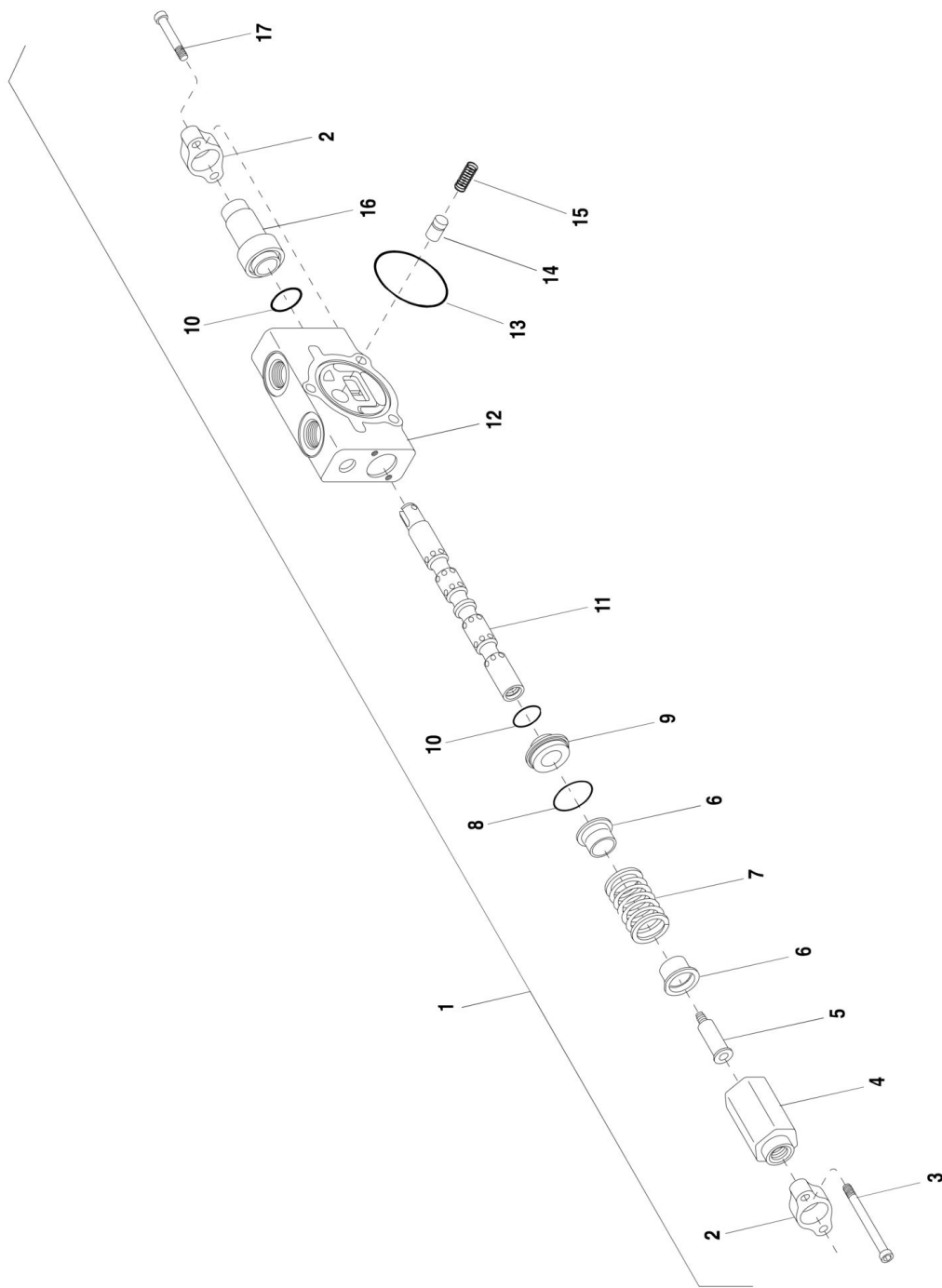
SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-29. VALVE SECTION ASSEMBLY - BOOM (644B-37 SN 667 to Present, Including 591; 644B-42 SN 208 to Present; 844C-42 SN 622 to Present; 1044C-42 SN 117 to Present; 1044C-54 SN 155 to Present; 6K-37 SN 318 to Present; 6K-42 SN 120 to Present; 8K-42 SN 221 to Present; 10K-42 SN 107 to Present; 10K-54 SN 104 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	37907X	-	Valve Section Assembly - Boom Hoist	
1	36546X	-	Valve Section Assembly - Boom Extension	
2	P01766	2	Capscrew, Socket Hd, 1/4in-20 x 4 1/2in	
3	P32927	2	Retainer	
4	P32929	1	Cap, Spool	
5	P21701	1	Shoulder Bolt, Socket Hd, 1/2in Dia x 2in	
6	P91776	2	Washer, Flat	
7	P91777	1	Spring	
8	P91778	1	Spacer	
9	P32931	1	O-Ring	
10	P32930	1	Retainer, Spool Cap	
11	P91781	2	O-Ring	
12	N.S.S.	1	Spool	
13	N.S.S.	1	Housing	
14	P91782	1	O-Ring	
15	P91783	1	Spring	
16	P91784	1	Poppet	
17	P32928	1	Cap, Spool	
18	P01755	2	Capscrew, Socket Hd, 1/4in-20 x 1in	
		Ref	N.S.S. = Not Sold Separately	

SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-30. VALVE SECTION ASSEMBLY - FR. TILT./TRANSFER/AUX./OUTRIG./UNLOADER (644B-37 SN 667 to Present, Including 591; 644B-42 SN 208 to Present; 844C-42 SN 622 to Present; 1044C-42 SN 117 to Present; 1044C-54 SN 155 to Present; 6K-37 SN 318 to Present; 6K-42 SN 120 to Present; 8K-42 SN 221 to Present; 10K-42 SN 107 to Present; 10K-54 SN 104 to Present)



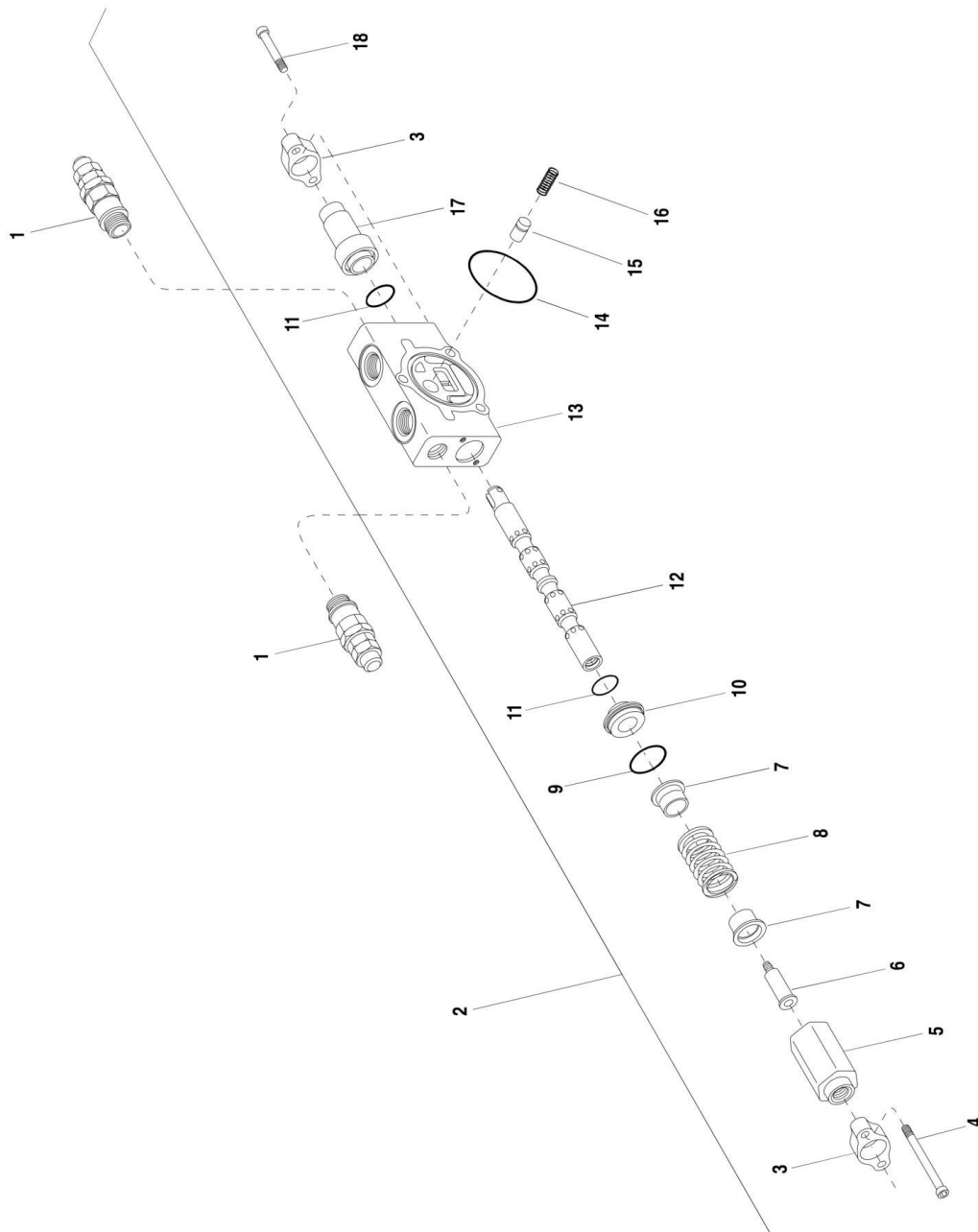
SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-30. VALVE SECTION ASSEMBLY - FR. TILT./TRANSFER/AUX./OUTRIG./UNLOADER (644B-37 SN 667 to Present, Including 591; 644B-42 SN 208 to Present; 844C-42 SN 622 to Present; 1044C-42 SN 117 to Present; 1044C-54 SN 155 to Present; 6K-37 SN 318 to Present; 6K-42 SN 120 to Present; 8K-42 SN 221 to Present; 10K-42 SN 107 to Present; 10K-54 SN 104 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	37905X	-	Valve Section Assembly - Transfer/Auxiliary	
1	37904X	-	Valve Section Assembly - Frame Tilt/Outriggers	
1	37903X	-	Valve Section Assembly - Unloader	
2	37962X	2	Plate, Seal	
3	P01763	2	Capscrew, Socket Hd, 1/4in-20 x 3in	
4	37960X	1	Cap, Spool	
5	37964X	1	Spool End	
6	37965X	2	Seat, Spring	
7	37941X	1	Spring	
8	37924X	1	O-Ring	
9	37963X	1	Retainer, Spool Cap	
10	37925X	2	O-Ring	
11	N.S.S.	1	Spool	
12	N.S.S.	1	Housing	
13	37923X	1	O-Ring	
14	37929X	1	Poppet	
15	37937X	1	Spring	
16	37961X	1	Cap, Spool	
17	P01757	2	Capscrew, Socket Hd, 1/4in-20 x 1 1/2in	
		Ref	N.S.S. = Not Sold Separately	

SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-31. VALVE SECTION ASSEMBLY - CARRIAGE FORK TILT (644B-37 SN 667 to Present, Including 591; 644B-42 SN 208 to Present; 844C-42 SN 622 to Present; 1044C-42 SN 117 to Present; 1044C-54 SN 155 to Present; 6K-37 SN 318 to Present; 6K-42 SN 221 to Present; 10K-42 SN 107 to Present; 10K-54 SN 104 to Present)



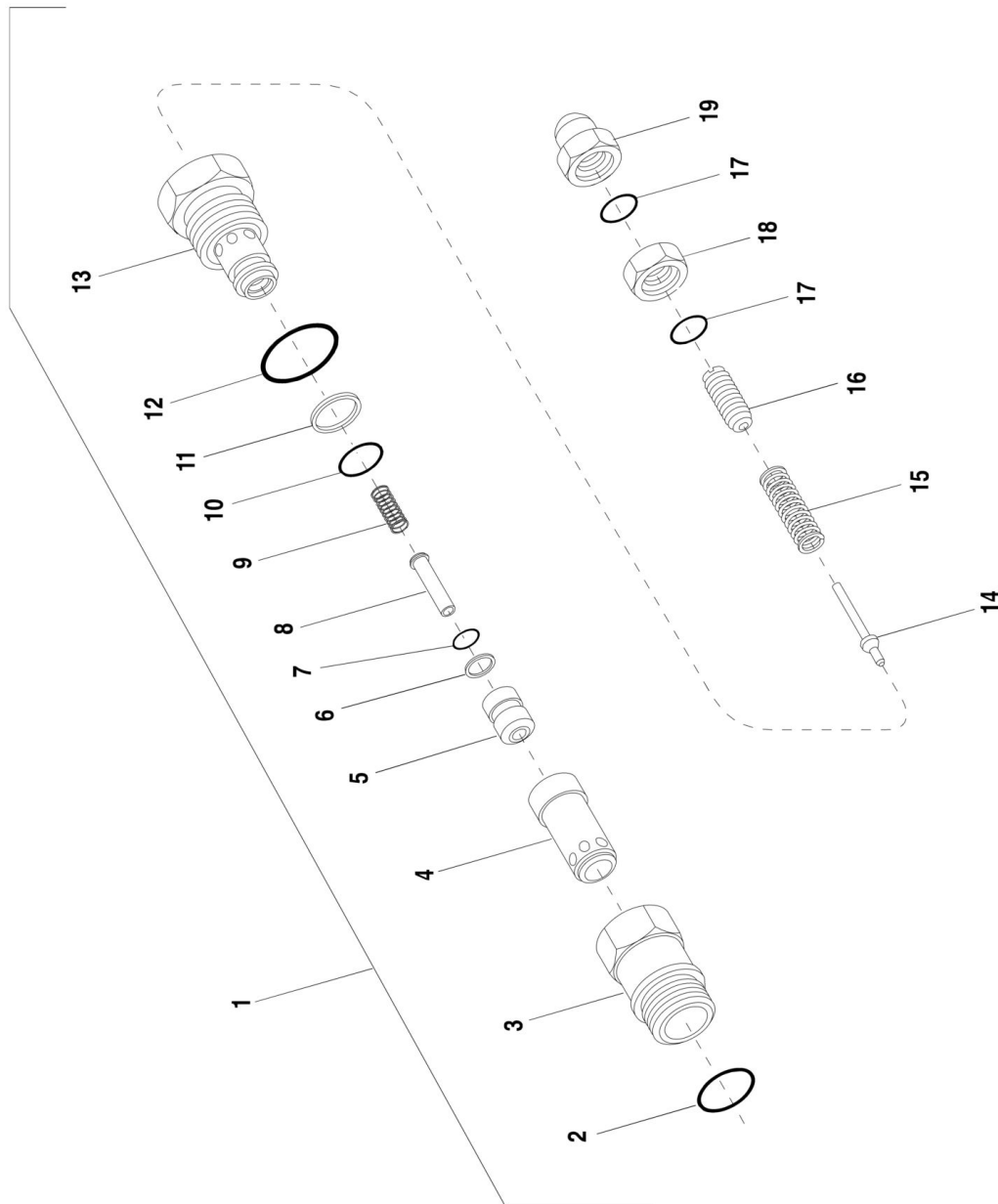
SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-31. VALVE SECTION ASSEMBLY - CARRIAGE FORK TILT (644B-37 SN 667 to Present, Including 591; 644B-42 SN 208 to Present; 844C-42 SN 622 to Present; 1044C-42 SN 117 to Present; 1044C-54 SN 155 to Present; 6K-37 SN 318 to Present; 6K-42 SN 221 to Present; 10K-42 SN 107 to Present; 10K-54 SN 104 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	37950X	2	Relief Valve Assembly (See RELIEF VALVE ASSEMBLY for Breakdown)	
2	37906X	-	Valve Section Assembly - Carriage Fork Tilt (Includes Items 3 - 18)	
3	37962X	2	Plate, Seal	
4	P01763	2	Capscrew, Socket Hd, 1/4in-20 x 3in	
5	37960X	1	Cap, Spool	
6	37964X	1	Spool End	
7	37965X	2	Seat, Spring	
8	37941X	1	Spring	
9	37924X	1	O-Ring	
10	37963X	1	Retainer, Spool Cap	
11	37925X	2	O-Ring	
12	N.S.S.	1	Spool	
13	N.S.S.	1	Housing	
14	37923X	1	O-Ring	
15	37929X	1	Poppet	
16	37937X	1	Spring	
17	37961X	1	Cap, Spool	
18	P01757	2	Capscrew, Socket Hd, 1/4in-20 x 1 1/2in	
		Ref	N.S.S. = Not Sold Separately	

SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-32. RELIEF VALVE ASSEMBLY (644B-37 SN 667 to Present, Including 591; 644B-42 SN 208 to Present; 844C-42 SN 622 to Present; 1044C-42 SN 117 to Present; 1044C-54 SN 155 to Present; 6K-37 SN 318 to Present; 6K-42 SN 120 to Present; 8K-42 SN 221 to Present; 10K-42 SN 107 to Present; 10K-54 SN 104 to Present)



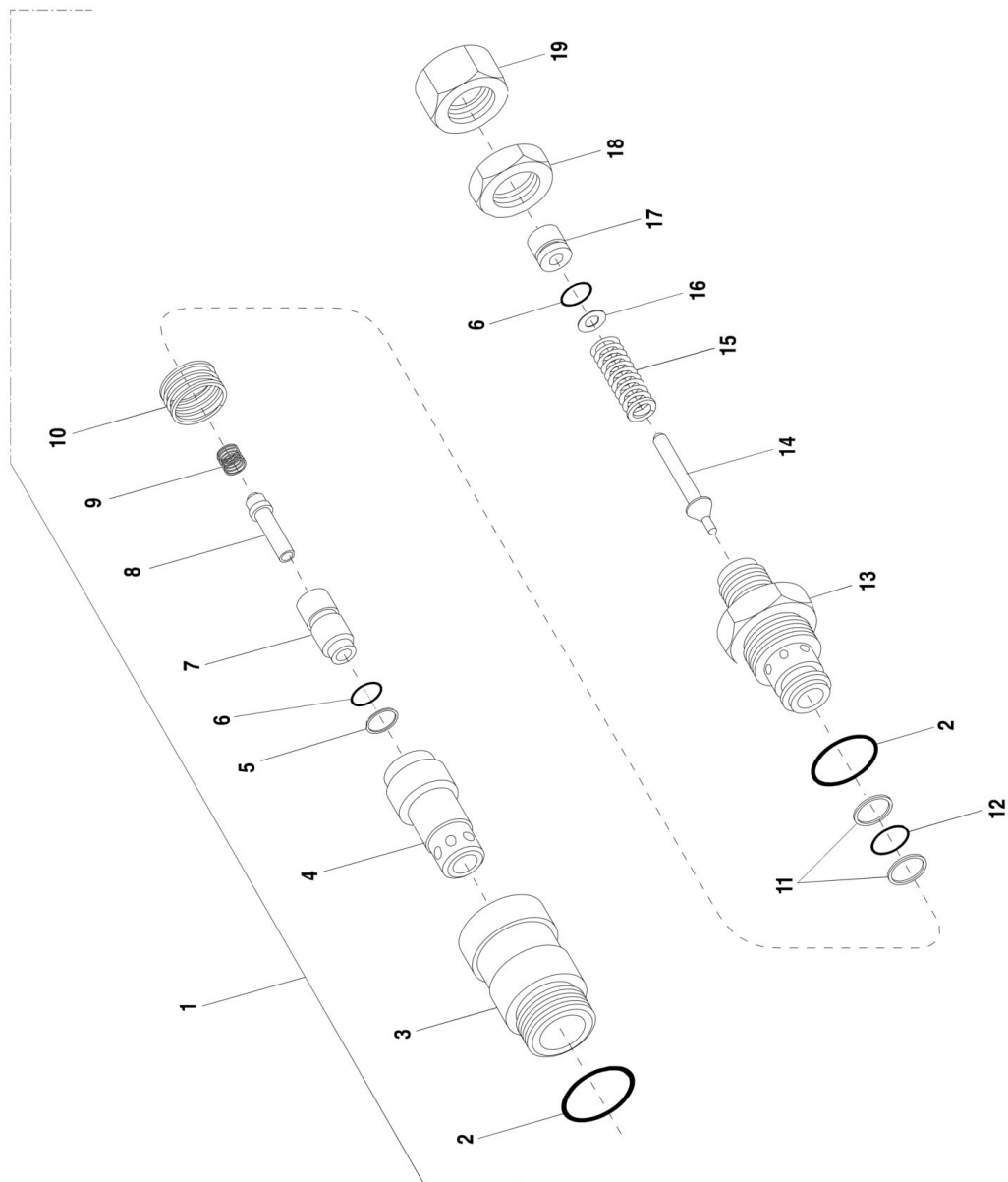
SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-32. RELIEF VALVE ASSEMBLY (644B-37 SN 667 to Present, Including 591; 644B-42 SN 208 to Present; 844C-42 SN 622 to Present; 1044C-42 SN 117 to Present; 1044C-54 SN 155 to Present; 6K-37 SN 318 to Present; 6K-42 SN 120 to Present; 8K-42 SN 221 to Present; 10K-42 SN 107 to Present; 10K-54 SN 104 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	37950X	2	Relief Valve Assembly - 2800 P.S.I.	
1	37951X	1	Relief Valve Assembly - 3150 P.S.I.	
2	37928X	1	O-Ring	
3	37946X	1	Body	
4	37932X	1	Poppet	
5	37931X	1	Poppet	
6	37944X	1	Back-up Ring	
7	37926X	1	O-Ring	
8	37947X	1	Piston	
9	37938X	1	Spring	
10	P91796	1	O-Ring	
11	37943X	1	Back-up Ring	
12	37927X	1	O-Ring	
13	37945X	1	Plug	
14	37930X	1	Poppet	
15	37936X	1	Spring	
16	37942X	1	Screw, Adjustment	
17	P91805	2	O-Ring	
18	P91806	1	Nut, Special	
19	P91807	1	Nut, Special	
Ref	37948X	1	Seal and Spring Kit (Includes Items 2, 6, 7, 9, 10, 11, 12, 15, 17)	

SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-33. RELIEF VALVE ASSEMBLY - MID INLET (644B-37 SN 667 to Present, Including 591; 644B-42 SN 208 through 844C; 1044C-42 SN 117 to Present; 1044C-54 SN 155 to Present; 6K-37 SN 318 to Present; 6K-42 SN 120 to Present; 8K-42 SN 221 to Present; 10K-42 SN 107 to Present; 10K-54 SN 104 to Present)



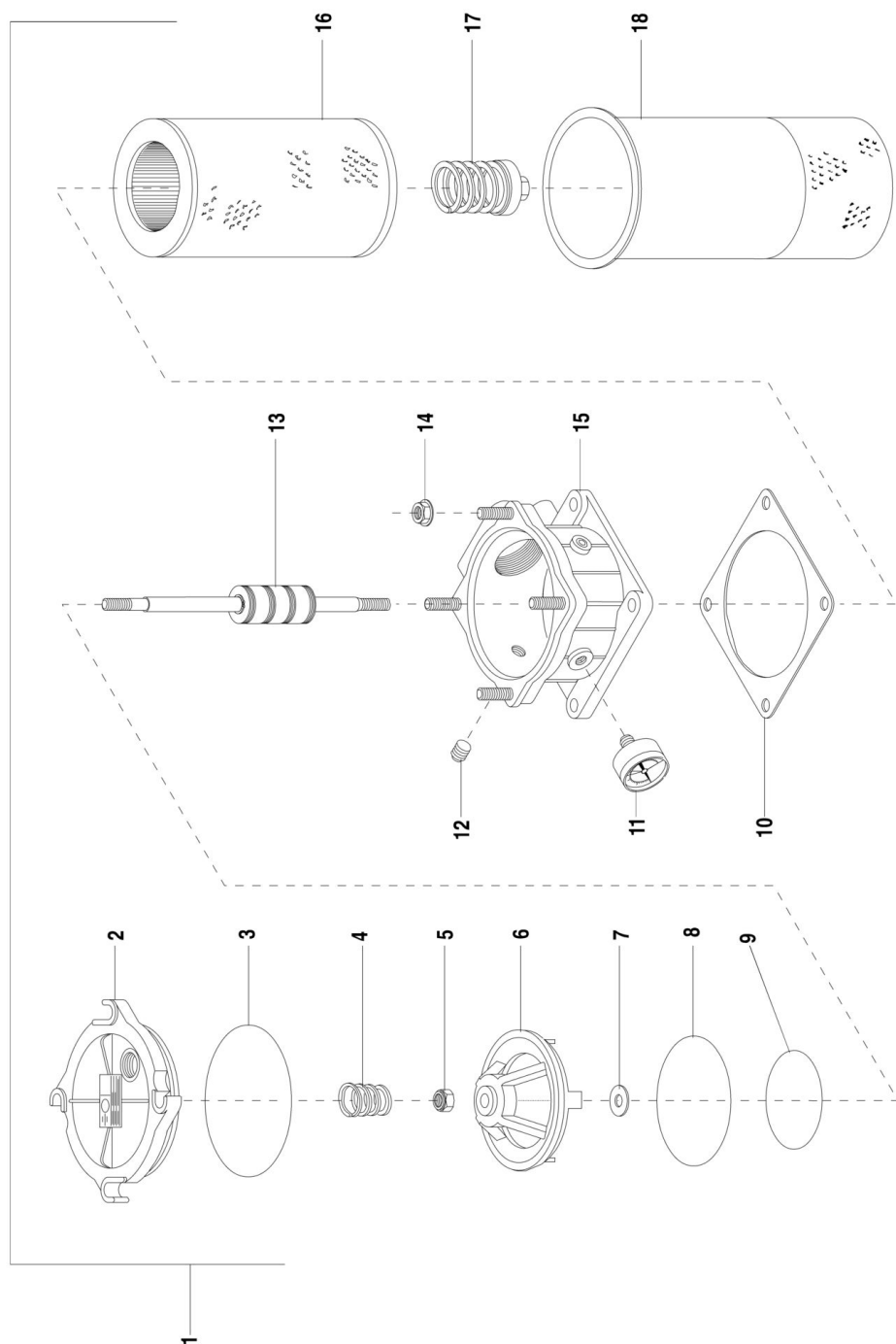
SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-33. RELIEF VALVE ASSEMBLY - MID INLET (644B-37 SN 667 to Present, Including 591; 644B-42 SN 208 through 844C; 1044C-42 SN 117 to Present; 1044C-54 SN 155 to Present; 6K-37 SN 318 to Present; 6K-42 SN 120 to Present; 8K-42 SN 221 to Present; 10K-42 SN 107 to Present; 10K-54 SN 104 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	37952X	1	Relief Valve Assembly	
2	P91791	2	O-Ring	
3	P91792	1	Body	
4	37935X	1	Poppet	
5	P91795	1	Back-up Ring	
6	P91796	2	O-Ring	
7	37933X	1	Poppet	
8	37957X	1	Piston	
9	P91798	1	Spring	
10	37940X	1	Spring	
11	P91800	1	Back-up Ring	
12	P91799	1	O-Ring	
13	37958X	1	Plug	
14	37934X	1	Poppet	
15	37939X	1	Spring	
16	37959X	AR	Shim	
17	37954X	1	Plug, Adjustment	
18	37956X	1	Nut, Special	
19	37955X	1	Nut, Special	
Ref	37949X	1	Seal and Spring Kit (Includes Items 2, 5, 6, 9, 10, 11, 12, 15)	

SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-34. HYDRAULIC RETURN LINE FILTER ASSEMBLY (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)



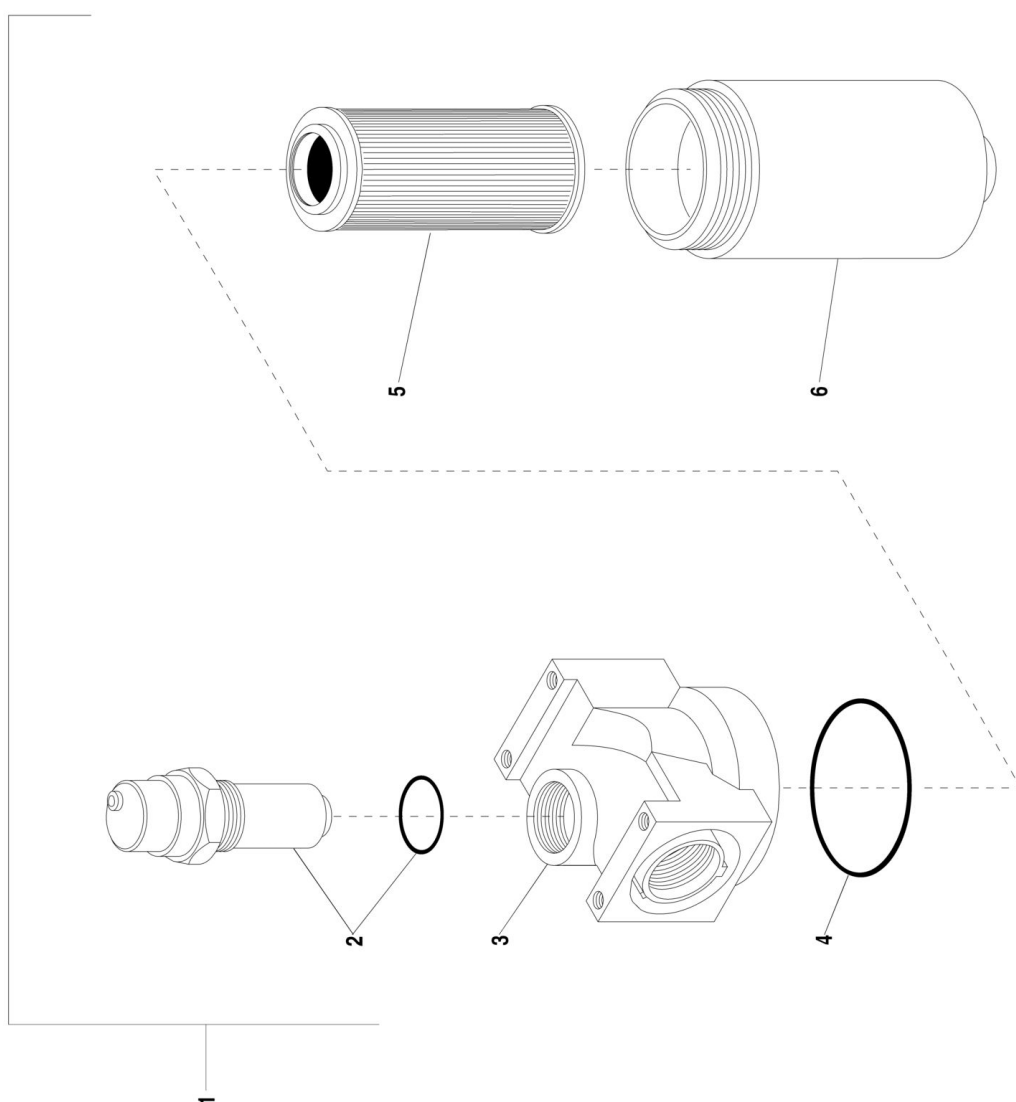
SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-34. HYDRAULIC RETURN LINE FILTER ASSEMBLY (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	65514B	1	Return Filter Assembly (Superseds P27808)	
2	N.S.S.	1	Cover	
3	37117X	1	O-Ring	
4	N.S.S.	1	Spring	
5	P04773	1	Locknut, Hx, M8 - 1.25	
6	N.S.S.	1	Trestle	
7	P04630	1	Flatwasher, M8	
8	37118X	1	O-Ring	
9	1100778	1	O-Ring	
10	N.S.S.	1	Gasket, Rubber (Note: Available In Gasket and O-Ring Kit 37120X)	
11	P24981	1	Gauge, Indicator	
12	P10736	2	Plug, Hex Socket	
13	N.S.S.	1	Tie Rod	
14	N.S.S.	4	Nut, Hx, Flange, M8 - 1.25	
15	N.S.S.	1	Head	
16	P27810	1	Element, Filter	
17	N.S.S.	1	Bypass Spring	
18	N.S.S.	1	Diffuser	
Ref	37120X	1	Gasket and O-Ring Kit (Includes Items 3, 8, 10)	
		Ref	N.S.S. = Not Sold Separately	

SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-35. PRESSURE FILTER ASSEMBLY (644B-37 SN 101 through 1244; 644B-42 SN 101 through 354; 844C-42 SN 101 through 1304; 1044C-42 SN 101 through 125; 1044C-54 SN 101 through 305; 6K-37 SN 101 through 488; 6K-42 SN 101 through 178; 8K-42 SN 101 through 331; 10K-42 SN 101 through 108; 10K-54 SN 101 through 113)



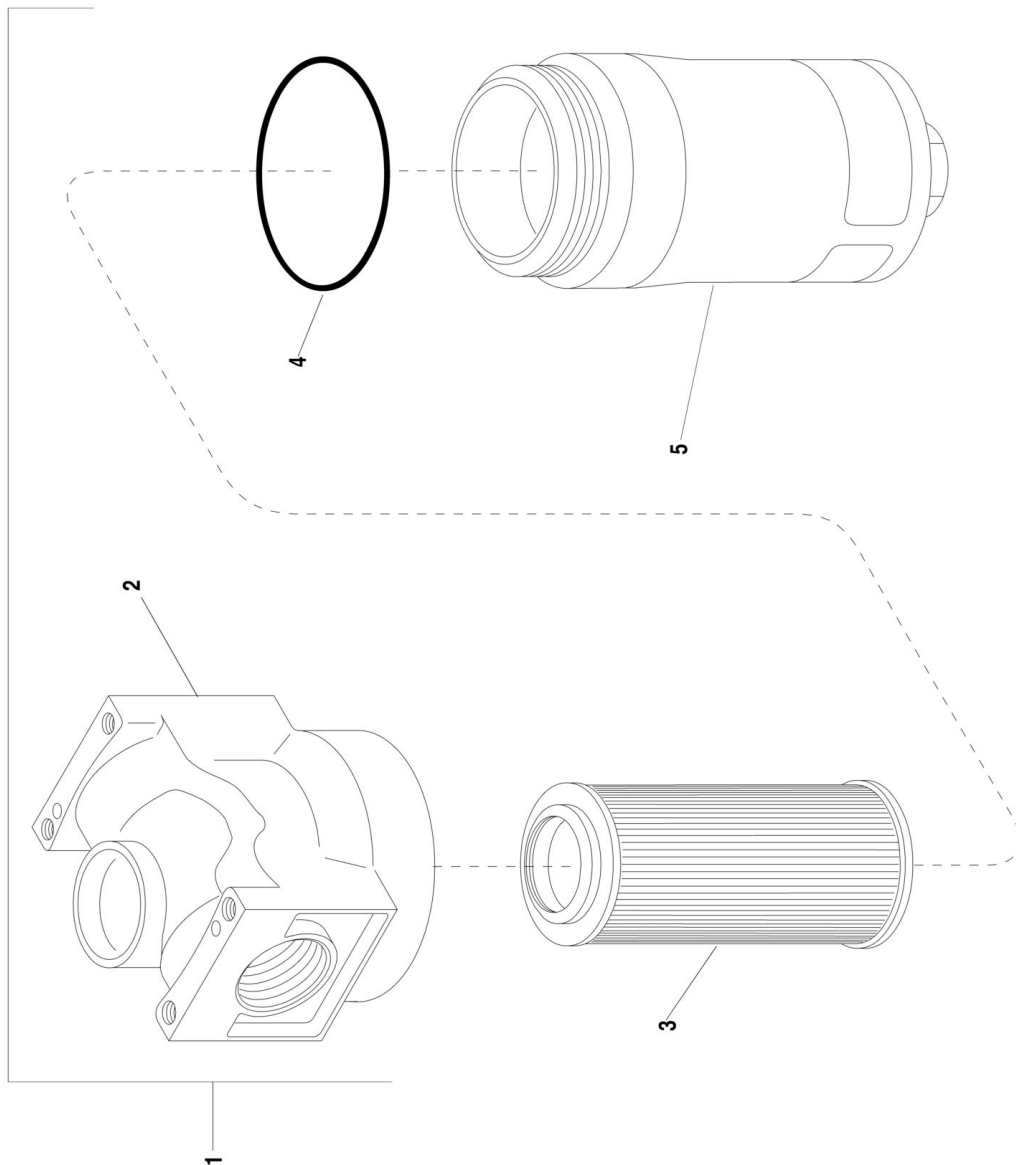
SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-35. PRESSURE FILTER ASSEMBLY (644B-37 SN 101 through 1244; 644B-42 SN 101 through 354; 844C-42 SN 101 through 1304; 1044C-42 SN 101 through 125; 1044C-54 SN 101 through 305; 6K-37 SN 101 through 488; 6K-42 SN 101 through 178; 8K-42 SN 101 through 331; 10K-42 SN 101 through 108; 10K-54 SN 101 through 113)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	N.L.A.	1	Pressure Filter Assembly (Replaces P29325) (Note: No Longer Available. Order 10266450 for replacement, See PRESSURE FILTER ASSEMBLY for parts break down)	
2	36790X	1	Bypass	
2	P92410	-	Bypass w/Indicator (Note: Used Early Production)	
3	P92411	1	Head, Filter	
3	39184X	1	Head, Filter No Bypass	
4	P92412	1	O-Ring, Bowl	
5	66416X	1	Filter Element (Replaces P28128)	
6	P92413	1	Bowl	

SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

FIGURE 6-36. PRESSURE FILTER ASSEMBLY (644B-37 SN 1245 to Present; 644B-42 SN 354 to Present; 844C-42 SN 1305 to Present; 1044C-42 SN 126 to Present; 1044C-54 SN 306 to Present; 6K-37 SN 489 to Present; 6K-42 SN 179 to Present; 8K-42 SN 332 to Present; 10K-42 SN 109 to Present; 10K-54 SN 114 to Present)



SECTION 6 - SUCTION PUMP - RETURN AND VALVE PLATE COMPONENTS

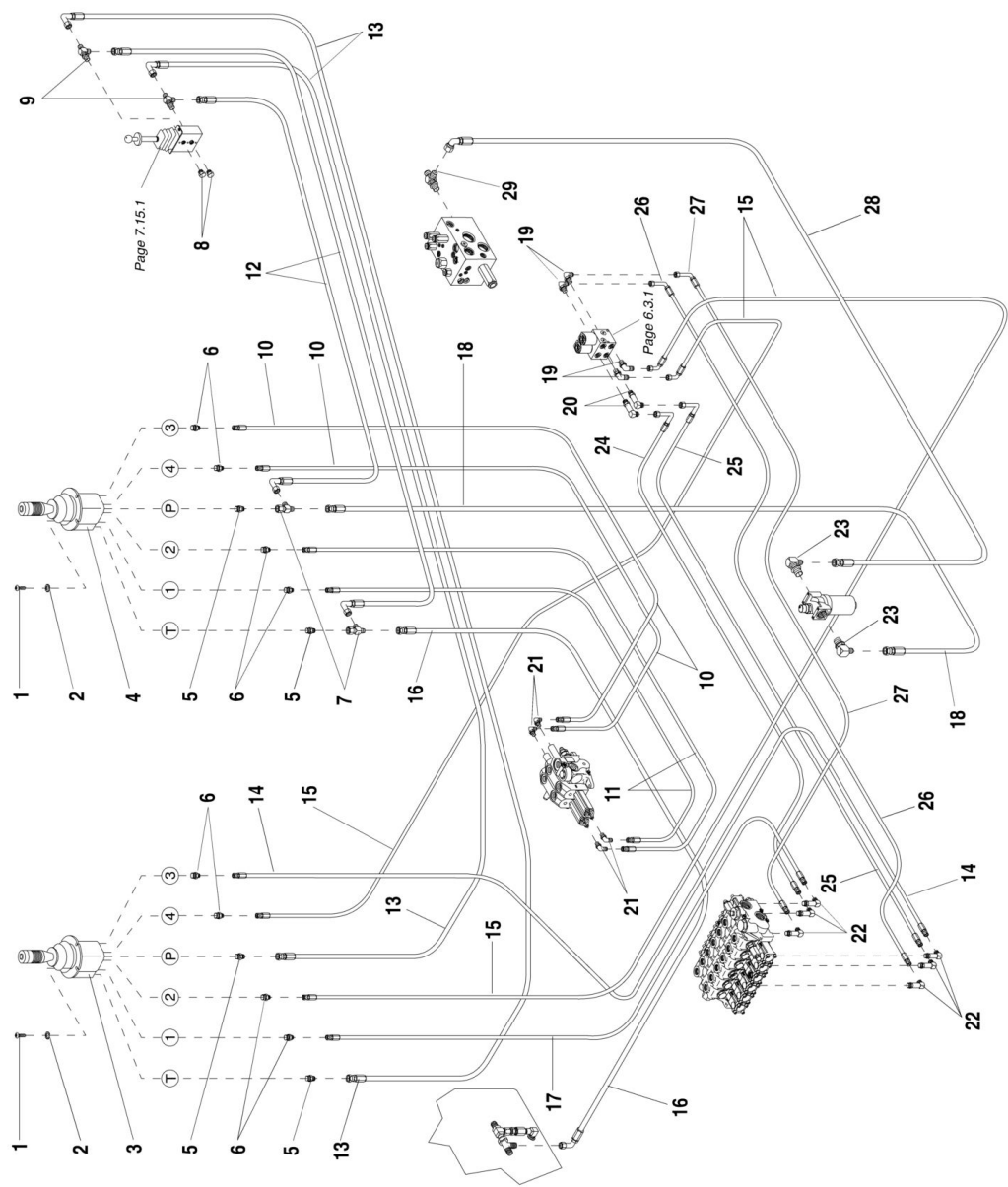
FIGURE 6-36. PRESSURE FILTER ASSEMBLY (644B-37 SN 1245 to Present; 644B-42 SN 354 to Present; 844C-42 SN 1305 to Present; 1044C-42 SN 126 to Present; 1044C-54 SN 306 to Present; 6K-37 SN 489 to Present; 6K-42 SN 179 to Present; 8K-42 SN 332 to Present; 10K-42 SN 109 to Present; 10K-54 SN 114 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	10266450	-	Pressure Filter Assembly (Replaces P29325)	
2	1100341	1	Head, Filter, 12 Pitch Thread, No Bypass	
3	10866416	1	FILTER	
4	1100343	1	Seal, Bowl	
5	1100342	1	Bowl, 12 Pitch Thread	

SECTION 7 - CONTROL HYDRAULICS

SECTION 7 - CONTROL HYDRAULICS

FIGURE 7-1. JOYSTICK CONTROL HYDRAULIC CIRCUIT (1044C-42,1044C-54,644B-37,644B-42,844C-42) (644B-37 SN 101 through 590, SN 592 through 666; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621; 1044C-42 SN 101 through 116; 1044C-54 SN 101 through 154)



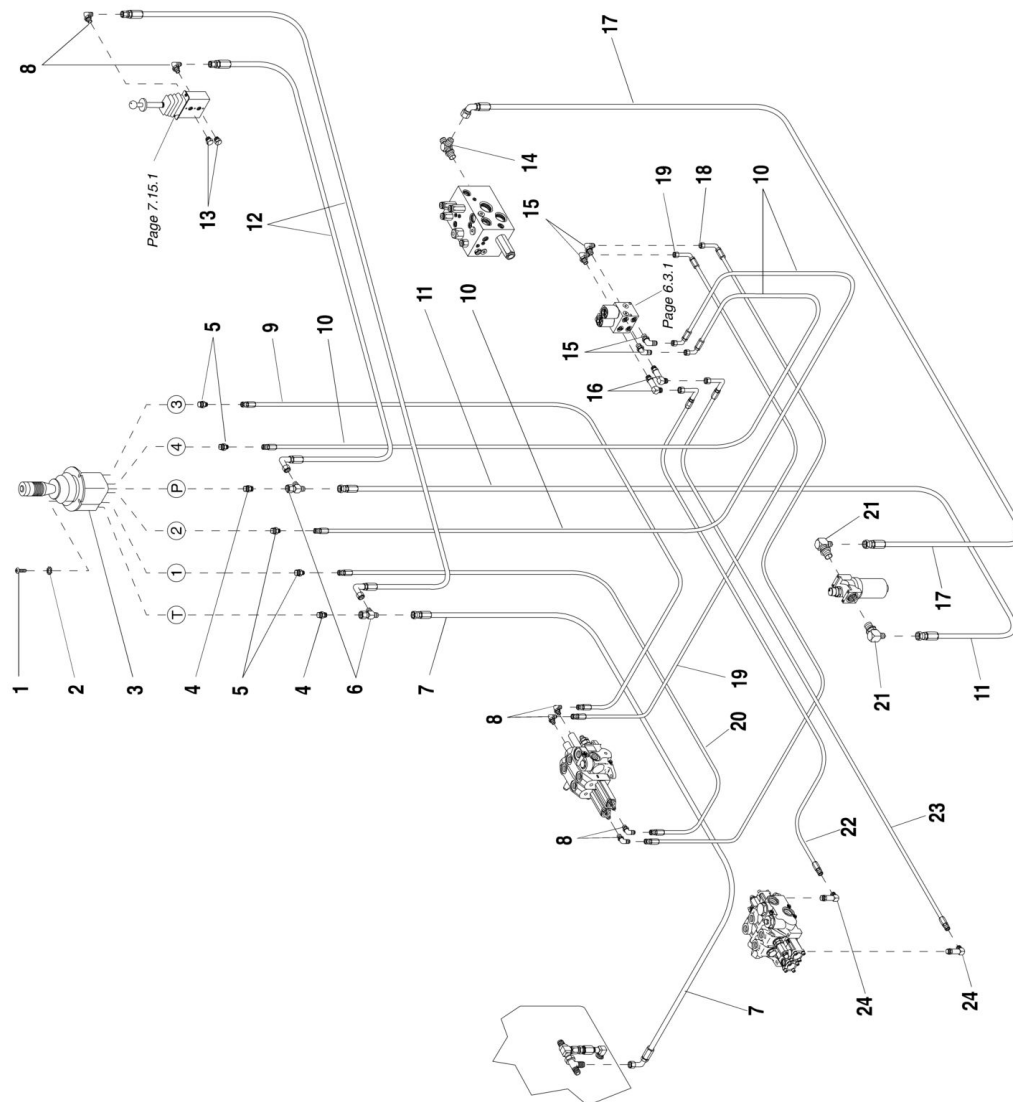
SECTION 7 - CONTROL HYDRAULICS

FIGURE 7-1. JOYSTICK CONTROL HYDRAULIC CIRCUIT (1044C-42,1044C-54,644B-37,644B-42,844C-42) (644B-37 SN 101 through 590, SN 592 through 666; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621; 1044C-42 SN 101 through 116; 1044C-54 SN 101 through 154)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P03196	8	Capscrew, Button Hd Socket, 1/4in-20 x 3/4in	
2	P01357	8	Starwasher, 1/4in External	
3	P31559	1	Joystick Control Valve - Front (See JOYSTICK CONTROL VALVE ASSEMBLY for Breakdown)	
4	P31406	1	Joystick Control Valve - Rear (See JOYSTICK CONTROL VALVE ASSEMBLY for Breakdown)	
5	P18936	4	Connector, O-Ring	
6	P24612	8	Connector, O-Ring	
7	P19412	2	Tee, Swivel	
8	P25691	2	Plug, O-Ring	
9	P21914	2	Tee, O-Ring	
10	37159X	2	Hyd Hose, 1/4in	
11	P24630	2	Hyd Hose, 1/4in	
12	P20460	2	Hyd Hose, 3/8in	
13	P24641	2	Hyd Hose, 3/8in	
14	P29783	1	Hyd Hose, 1/4in	
15	P25332	2	Hyd Hose, 1/4in	
16	P29752	1	Hyd Hose, 3/8in	
17	37166X	1	Hyd Hose, 1/4in	
18	P21639	1	Hyd Hose, 3/8in	
19	P19248	4	90, Elbow, O-Ring	
20	P33166	2	90, Elbow, O-Ring (Long)	
21	P18935	4	90, Elbow, O-Ring	
22	P29013	6	90, Elbow, O-Ring (Long)	
23	P19810	2	90, Elbow, O-Ring	
24	37162X	1	Hyd Hose, 1/4in	
25	37163X	1	Hyd Hose, 1/4in	
26	37160X	1	Hyd Hose, 1/4in	
27	37161X	1	Hyd Hose, 1/4in	
28	P21329	1	Hyd Hose, 3/8in	
29	P21914	1	Tee, O-Ring (Note: For 644B-37 S/N 101 through 194; 844C-42 S/N 101 through 183 Use 38314A (Modified fitting with orifice))	

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FIGURE 7-2. JOYSTICK CONTROL HYDRAULIC CIRCUIT (10K-42,10K-54,6K-37,6K-42,8K-42) (6K-37 SN 101 through 317; 6K-42 SN 101 through 119; 8K-42 SN 101 through 220; 10K-42 SN 101 through 106; 10K-54 SN 101 through 103)



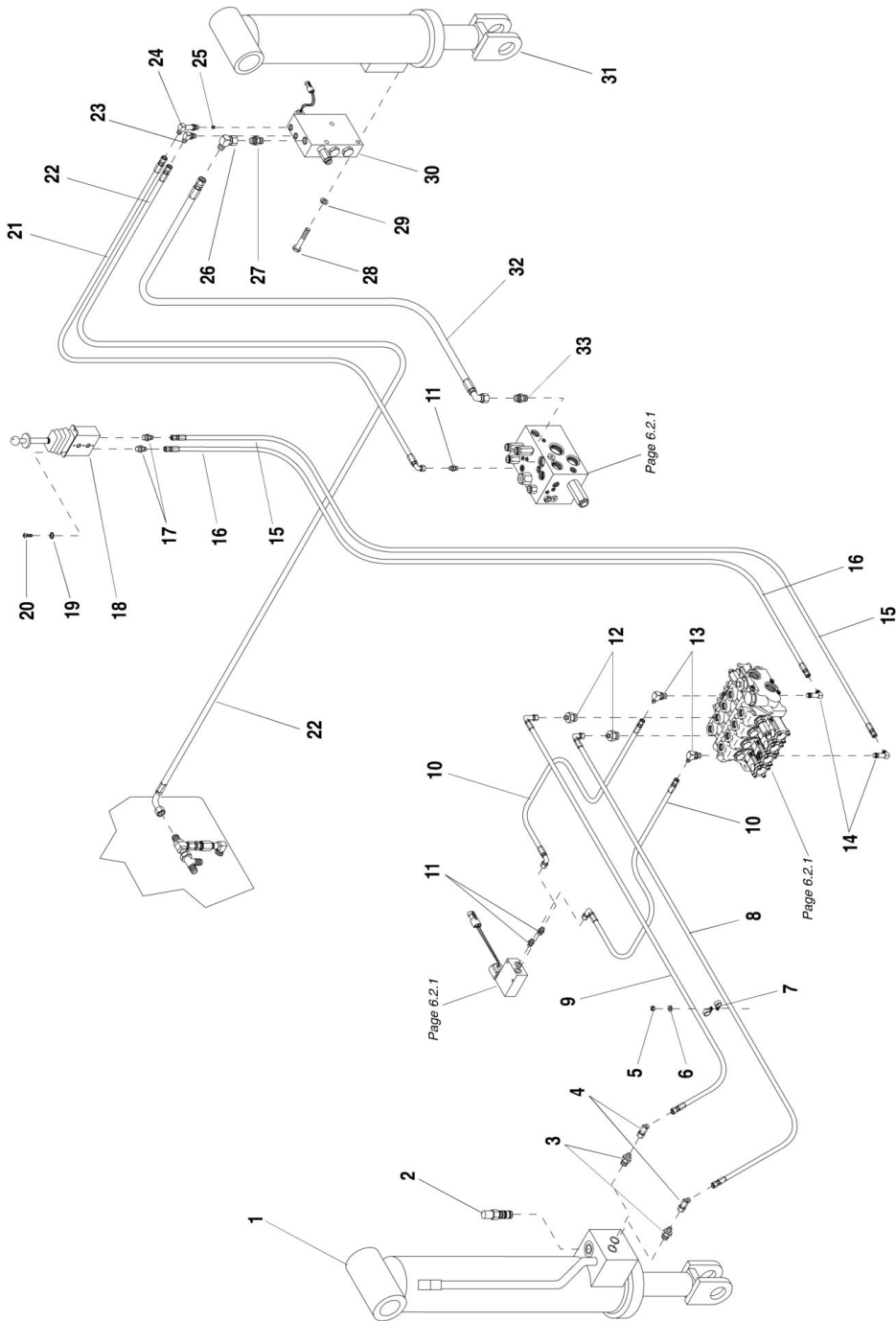
SECTION 7 - CONTROL HYDRAULICS

FIGURE 7-2. JOYSTICK CONTROL HYDRAULIC CIRCUIT (10K-42,10K-54,6K-37,6K-42,8K-42) (6K-37 SN 101 through 317; 6K-42 SN 101 through 119; 8K-42 SN 101 through 220; 10K-42 SN 101 through 106; 10K-54 SN 101 through 103)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P03196	4	Capscrew, Button Hd Socket, 1/4in-20 x 3/4in	
2	P01357	4	Starwasher, 1/4in External	
3	P31406	1	Joystick Control Valve - Rear (See JOYSTICK CONTROL VALVE ASSEMBLY for Breakdown)	
4	P18936	2	Connector, O-Ring	
5	P24612	4	Connector, O-Ring	
6	P19412	2	Tee, Swivel	
7	P29752	1	Hyd Hose, 3/8in	
8	P18935	6	90, Elbow, O-Ring	
9	37159X	1	Hyd Hose, 1/4in	
10	P27663	2	Hyd Hose, 1/4in	
11	P21639	1	Hyd Hose, 3/8in	
12	P20460	2	Hyd Hose, 3/8in	
13	P25691	2	Plug, O-Ring	
14	P21914	1	Tee, O-Ring (Note: For 8K-42 S/N 101 through 131; 6K-37 S/N 101 through 149 Use 38314A. (Modified fitting with orifice))	
15	P19248	4	90, Elbow, O-Ring	
16	P33166	2	90, Elbow, O-Ring (Long)	
17	P21329	1	Hyd Hose, 3/8in	
18	37269X	1	Hyd Hose, 1/4in	
19	37162X	1	Hyd Hose, 1/4in	
20	P24630	1	Hyd Hose, 1/4in	
21	P19810	2	90, Elbow, O-Ring	
22	37271X	1	Hyd Hose, 1/4in	
23	37270X	1	Hyd Hose, 1/4in	
24	P29013	2	90, Elbow, O-Ring (Long)	

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FIGURE 7-3. FRAME TILT AND REAR OSCILLATION LOCK HYDRAULIC CIRCUIT (1044C-42,10K-42,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 101 through 666, Excluding 591; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621; 1044C-42 SN 101 through 116; 6K-37 SN 101 through 317; 6K-42 SN 101 through 119; 8K-42 SN 101 through 220; 10K-42 SN 101 through 106)



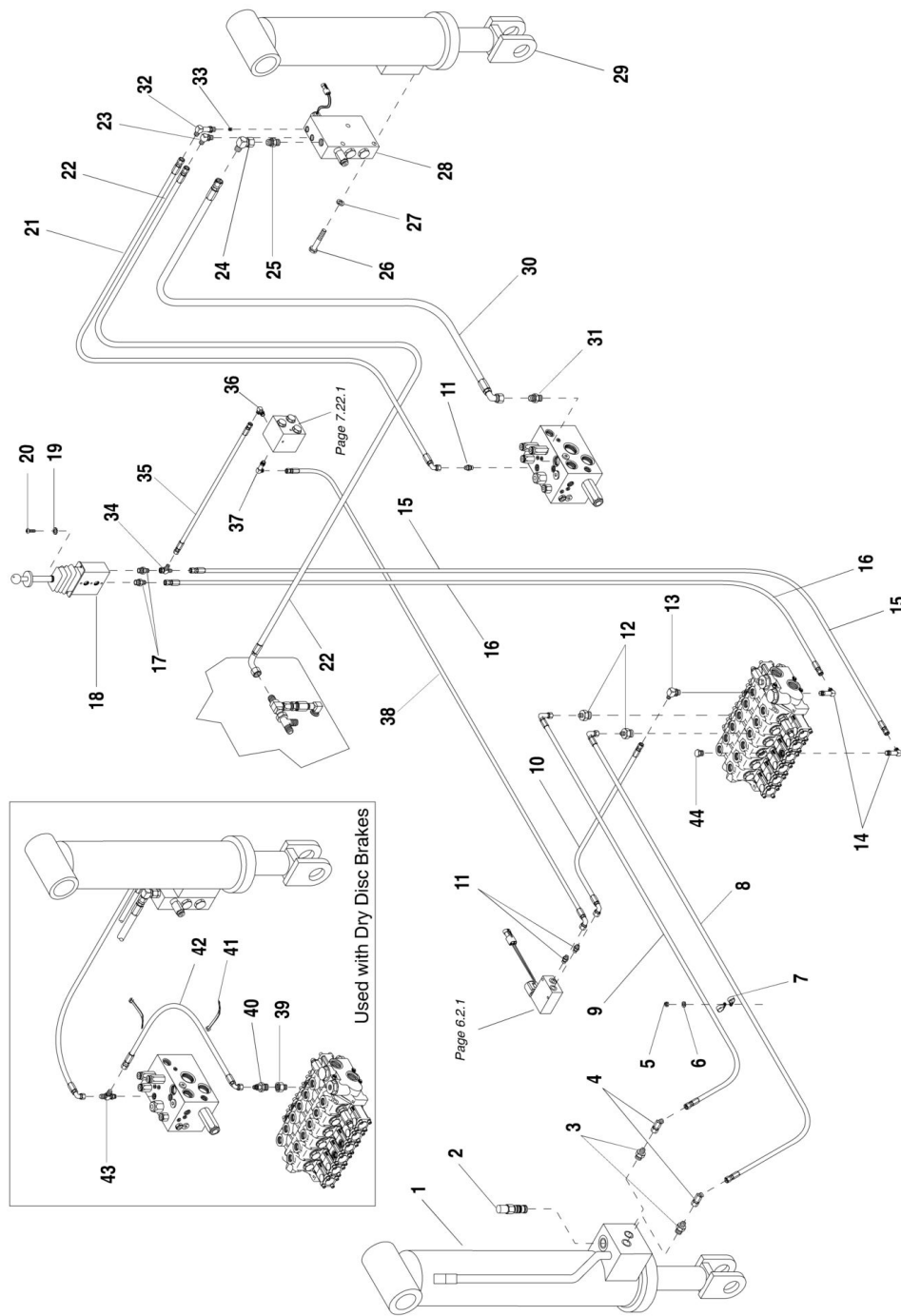
SECTION 7 - CONTROL HYDRAULICS

FIGURE 7-3. FRAME TILT AND REAR OSCILLATION LOCK HYDRAULIC CIRCUIT (1044C-42,10K-42,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 101 through 666, Excluding 591; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621; 1044C-42 SN 101 through 116; 6K-37 SN 101 through 317; 6K-42 SN 101 through 119; 8K-42 SN 101 through 220; 10K-42 SN 101 through 106)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1		Ref	Cylinder, Frame Tilt (See FRAME TILT CYLINDER ASSEMBLY for Breakdown)	
2	P29947	2	Cartridge, Counterbalance Valve	
2	2900770	1	Seal Kit	
3	P19415	2	Connector, O-Ring	
4	P21175	2	45, Elbow, Swivel	
5	P01508	1	Nut, Hx, 3/8in-16	
6	P01310	1	Lockwasher, 3/8in	
7	P17553	2	Clamp, Hose	
8	37169X	1	Hyd Hose, 1/4in	
9	37170X	1	Hyd Hose, 1/4in	
10	P20408	2	Hyd Hose, 1/4in	
11	P18960	3	Connector, O-Ring	
12	P25697	2	Connector, O-Ring	
13	P24609	2	90, Elbow, O-Ring	
14	P29013	2	90, Elbow, O-Ring (Long)	
15	P29782	1	Hyd Hose, 1/4in	
16	37164X	1	Hyd Hose, 1/4in	
17	P24612	2	Connector, O-Ring	
18	P31443	1	Control Valve, Frame Tilt (See FRAME TILT CONTROL VALVE ASSEMBLY for Breakdown)	
19	P01357	2	Starwasher, 1/4in External	
20	P03196	2	Capscrew, Button Hd Socket, 1/4in-20 x 3/4in	
21	37254X	1	Hyd Hose, 1/4in	
22	37255X	1	Hyd Hose, 3/8in	
23	P18935	1	90, Elbow, O-Ring	
24	39879A	1	90, Long Elbow, Special (Includes Item 25) (Replaces P18935)	
25	31807A	1	Orifice (644B-37,644B-42) (644B-37 Including 535; 644B-42 Including 138)	
26	P21579	1	90, Elbow, Swivel	
27	P23848	1	Check Valve	
28	P00439	3	Capscrew, Hx, 1/2in-13 x 3 1/2in GR 8	
29	P01312	3	Lockwasher, 1/2in	
30	36540C	1	Control Block, Rear Oscillation Lock (See OSCILLATION CONTROL BLOCK ASSEMBLY for Breakdown)	
31		Ref	Cylinder, Rear Oscillation Lock (See REAR OSCILLATION LOCK CYLINDER ASSEMBLY for Breakdown)	
32	P27679	1	Hyd Hose, 1/2in	
33	P18944	1	Connector, O-Ring	

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FIGURE 7-4. FRAME TILT AND REAR OSCILLATION LOCK HYDRAULIC CIRCUIT (1044C-54,10K-54)
(1044C-54 SN 101 through 154; 10K-54 SN 101 through 103)



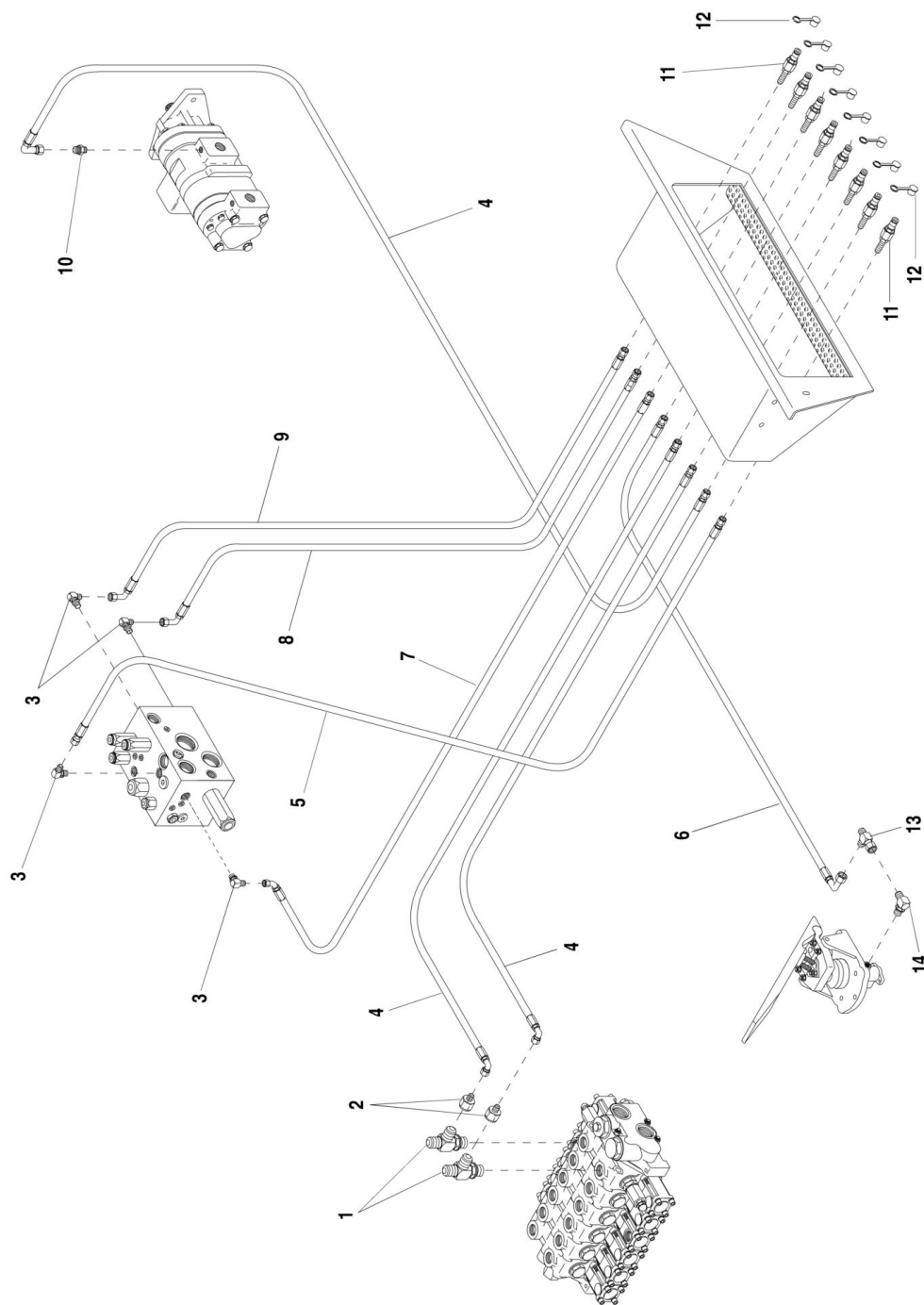
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**FIGURE 7-4. FRAME TILT AND REAR OSCILLATION LOCK HYDRAULIC CIRCUIT (1044C-54,10K-54)
(1044C-54 SN 101 through 154; 10K-54 SN 101 through 103)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1		Ref	Cylinder, Frame Tilt (See FRAME TILT CYLINDER ASSEMBLY for Breakdown)	
2	P29947	2	Cartridge, Counterbalance Valve	
2	2900770	1	Seal Kit	
3	P19415	2	Connector, O-Ring	
4	P21175	2	45, Elbow, Swivel	
5	P01508	1	Nut, Hx, 3/8in-16	
6	P01310	1	Lockwasher, 3/8in	
7	P17553	2	Clamp, Hose	
8	37169X	1	Hyd Hose, 1/4in	
9	37170X	1	Hyd Hose, 1/4in	
10	P20408	2	Hyd Hose, 1/4in	
11	P18960	3	Connector, O-Ring	
12	P25697	2	Connector, O-Ring	
13	P24609	2	90, Elbow, O-Ring	
14	P29013	2	90, Elbow, O-Ring (Long)	
15	P29782	1	Hyd Hose, 1/4in	
16	37164X	1	Hyd Hose, 1/4in	
17	P24612	2	Connector, O-Ring	
18	P31443	1	Control Valve, Frame Tilt (See FRAME TILT CONTROL VALVE ASSEMBLY for Breakdown)	
19	P01357	2	Starwasher, 1/4in External	
20	P03196	2	Capscrew, Button Hd Socket, 1/4in-20 x 3/4in	
21	37254X	1	Hyd Hose, 1/4in	
22	37255X	1	Hyd Hose, 3/8in	
23	P18935	1	90, Elbow, O-Ring	
24	P21579	1	90, Elbow, Swivel	
25	20212A	1	Check Valve	
26	P00439	3	Capscrew, Hx, 1/2in-13 x 3 1/2in GR 8	
27	P01312	3	Lockwasher, 1/2in	
28	36540C	1	Control Block, Rear Oscillation Lock (See OSCILLATION CONTROL BLOCK ASSEMBLY for Breakdown)	
29		Ref	Cylinder, Rear Oscillation Lock (See REAR OSCILLATION LOCK CYLINDER ASSEMBLY for Breakdown)	
30	P27679	1	Hyd Hose, 1/2in	
31	P18944	1	Connector, O-Ring	
32	39879A	1	90, Elbow (Long), Special (Includes item 33) (Supersedes P18935)	
33	31807A	1	Orifice (1044C-54) (Including 113)	
34	P27399	1	Tee, Swivel	
35	37858X	1	Hyd Hose, 1/4in	
36	P19248	1	90, Elbow, O-Ring	
37	P33166	1	90, Elbow, O-Ring (Long)	
38	P32418	1	Hyd Hose, 1/4in	
39	P28987	1	O-Ring Reducer	
40	37052X	1	Check Valve	
41	P17989	2	Cable Tie	
42	37514X	1	Hyd Hose, 1/4in	
43	P26604	1	Tee Run, O-Ring	
44	P25691	1	Plug, O-Ring	

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FIGURE 7-5. TEST PORT HYDRAULICS CIRCUIT (644B-37 SN 101 through 666, Excluding 591; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621; 1044C-42 SN 101 through 116; 1044C-54 SN 101 through 154; 6K-37 SN 101 through 317; 6K-42 SN 101 through 119; 8K-42 SN 101 through 220; 10K-42 SN 101 through 106; 10K-54 SN 101 through 103)



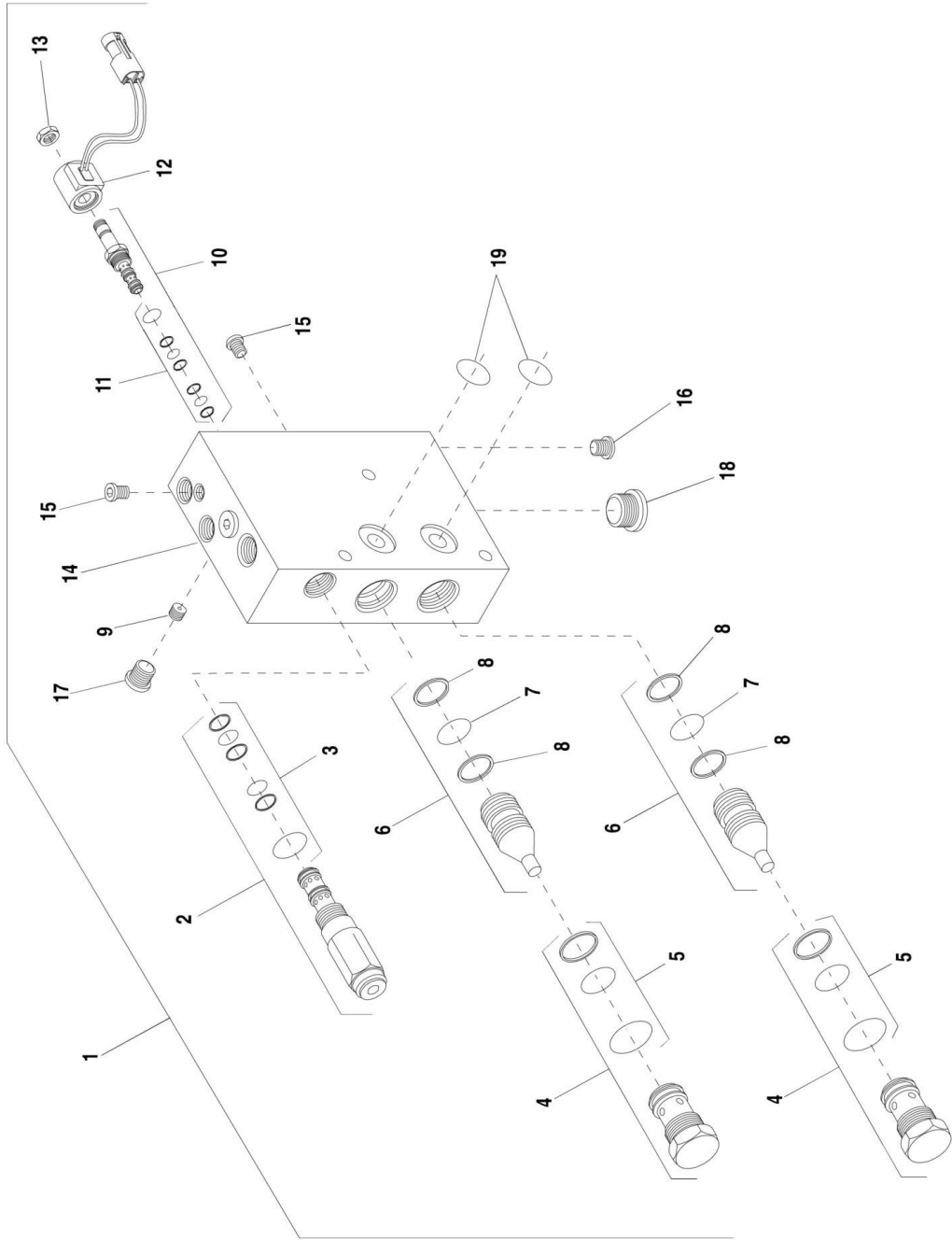
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FIGURE 7-5. TEST PORT HYDRAULICS CIRCUIT (644B-37 SN 101 through 666, Excluding 591; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621; 1044C-42 SN 101 through 116; 1044C-54 SN 101 through 154; 6K-37 SN 101 through 317; 6K-42 SN 101 through 119; 8K-42 SN 101 through 220; 10K-42 SN 101 through 106; 10K-54 SN 101 through 103)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	39703A	2	Tee Adapter, O-Ring (Supersedes P28364)	
2	P33128	2	Reducer, Swivel (Note: Used on Early Production Models only. Not Required with the use of 39703A, O-Ring Tee Adapter)	
3	P19248	4	90, Elbow, O-Ring	
4	P25242	3	Hyd Hose, 1/4in	
5	37171X	1	Hyd Hose, 1/4in	
6	37173X	1	Hyd Hose, 1/4in	
7	37253X	1	Hyd Hose, 1/4in	
8	P26617	1	Hyd Hose, 1/4in	
9	37176X	1	Hyd Hose, 1/4in	
10	P18960	1	Connector, O-Ring	
11	P28496	8	Diagnostic Nipple, Bulkhead	
12	P27805	8	Dust Cap	
13	P19412	1	Tee, Swivel	
14	P18935	1	90, Elbow, O-Ring	

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FIGURE 7-6. OSCILLATION CONTROL BLOCK ASSEMBLY (644B-37 SN 101 through 666, Excluding 591; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621; 1044C-42 SN 101 through 116; 1044C-54 SN 101 through 154; 6K-37 SN 101 through 317; 6K-42 SN 101 through 119; 8K-42 SN 101 through 220; 10K-42 SN 101 through 106; 10K-54 SN 101 through 103)



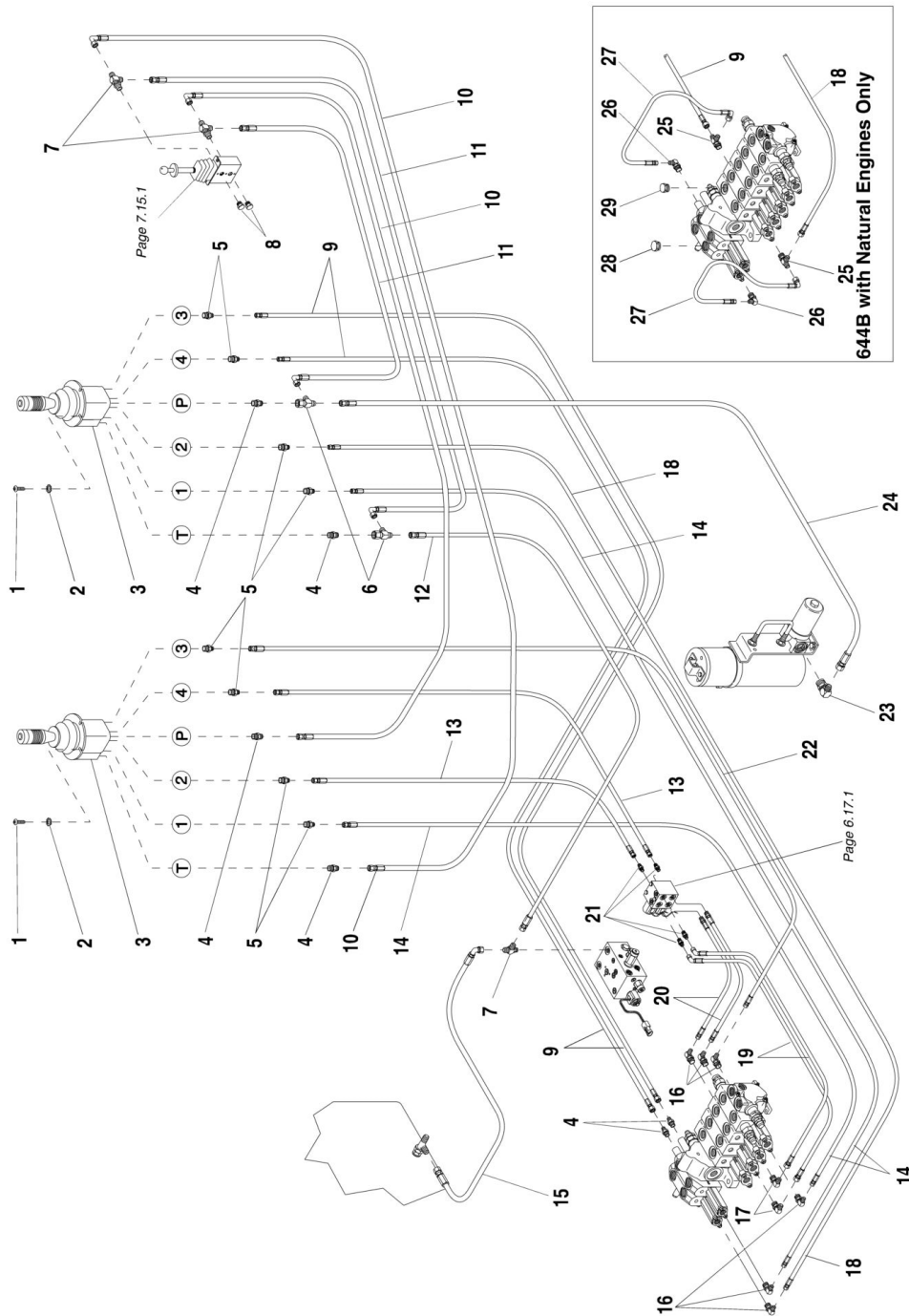
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FIGURE 7-6. OSCILLATION CONTROL BLOCK ASSEMBLY (644B-37 SN 101 through 666, Excluding 591; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621; 1044C-42 SN 101 through 116; 1044C-54 SN 101 through 154; 6K-37 SN 101 through 317; 6K-42 SN 101 through 119; 8K-42 SN 101 through 220; 10K-42 SN 101 through 106; 10K-54 SN 101 through 103)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	36540C	1	Oscillation Control Block Assembly	
2	37353X	1	Cartridge, Pressure Reducing Valve	
3	7021632	1	Seal Kit	
4	37354X	2	Cartridge, Check Valve	
5	37357X	1	Seal Kit	
6	37360X	2	Piston Assembly	
7	37359X	1	O-Ring	
8	37358X	2	Backup Ring	
9	37361X	1	Orifice Plug	
10	37352X	1	Solenoid Valve	
11	37355X	1	Seal Kit	
12	38329A	1	Coil	
13	P40662	1	Nut	
14	N.S.S.	1	Body	
15	P27931	2	O-Ring Plug, Hollow Hex	
16	P27933	1	O-Ring Plug, Hollow Hex	
17	P27935	2	O-Ring Plug, Hollow Hex	
18	P27937	1	O-Ring Plug, Hollow Hex	
19	P10547	2	O-Ring	
	Ref		N.S.S. = Not Sold Separately	

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FIGURE 7-7. JOYSTICK CONTROL HYDRAULIC CIRCUIT (MID INLET) (1044C-42,644B-37,644B-42,844C-42) (644B-37 SN 667 through 1303, Except SN 1290 through 1292, Including 591; 644B-42 SN 208 through 362, Except SN 342 through 343; 844C-42 SN 622 through 1352, Except SN 1341 through 1342, Excluding 1199, 1255, 1310 and 1330; 1044C-42 SN 117 through 126)



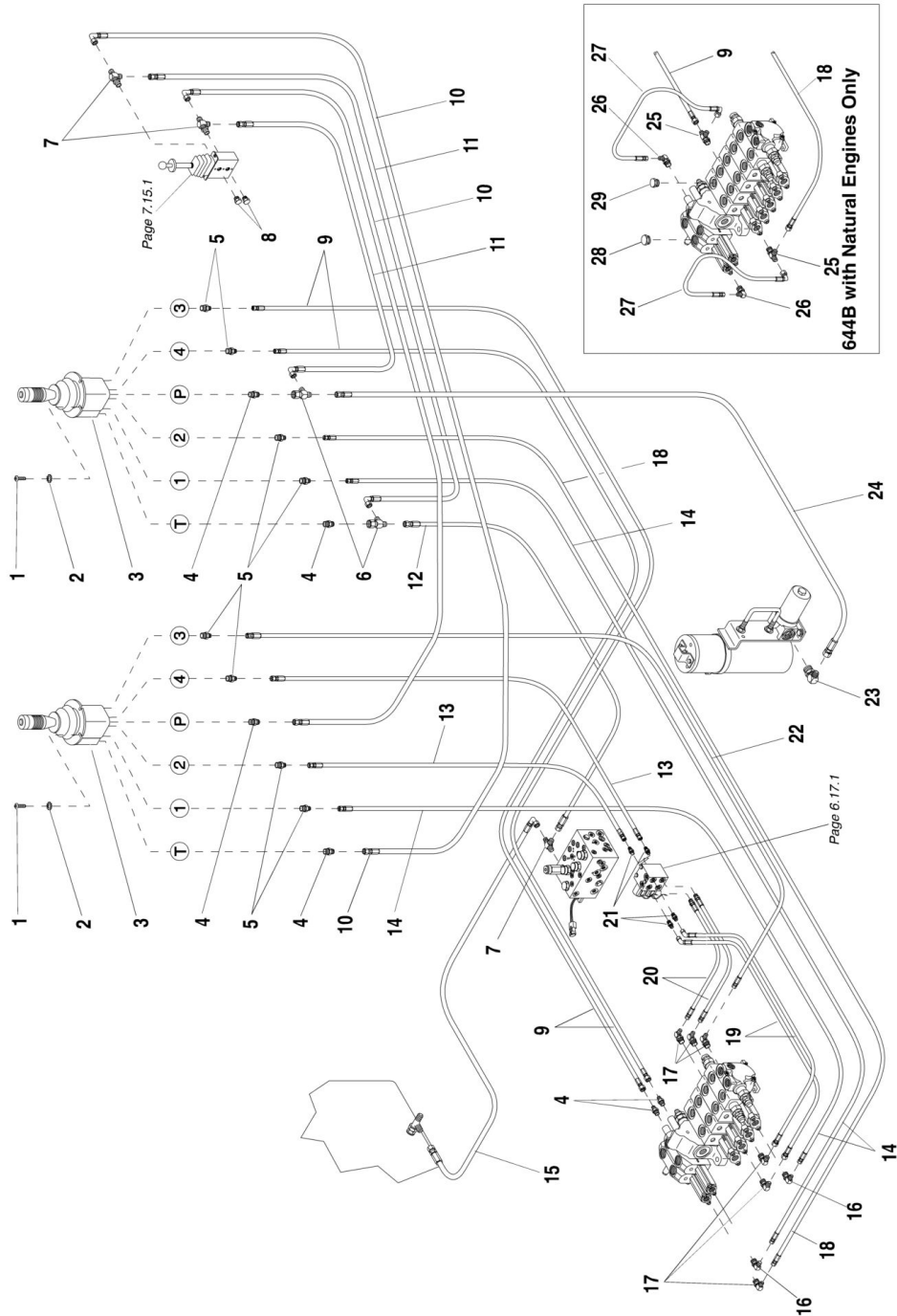
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FIGURE 7-7. JOYSTICK CONTROL HYDRAULIC CIRCUIT (MID INLET) (1044C-42,644B-37,644B-42,844C-42) (644B-37 SN 667 through 1303, Except SN 1290 through 1292, Including 591; 644B-42 SN 208 through 362, Except SN 342 through 343; 844C-42 SN 622 through 1352, Except SN 1341 through 1342, Excluding 1199, 1255, 1310 and 1330; 1044C-42 SN 117 through 126)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P03196	8	Capscrew, Button Hd Socket, 1/4in-20 x 3/4in	
2	P01357	8	Starwasher, 1/4in External	
3	65474B	2	Joystick Control Valve - Front (See JOYSTICK CONTROL VALVE ASSEMBLY for Breakdown)	
4	P18936	6	Connector, O-Ring	
5	P24612	8	Connector, O-Ring	
6	P19412	2	Tee, Swivel	
7	P21914	3	Tee, O-Ring	
8	P25691	2	Plug, O-Ring	
9	P29155	2	Hyd Hose, 1/4in	
10	P24641	2	Hyd Hose, 3/8in	
11	P20460	2	Hyd Hose, 3/8in	
12	P18856	1	Hyd Hose, 3/8in	
13	37505X	2	Hyd Hose, 1/4in	
14	P33052	2	Hyd Hose, 1/4in	
15	37608X	1	Hyd Hose, 3/8in	
16	P24609	6	90, Elbow, O-Ring	
17	P18935	2	90, Elbow, O-Ring	
18	37607X	1	Hyd Hose, 3/8in	
19	37536X	2	Hyd Hose, 1/4in	
20	37295X	2	Hyd Hose, 1/4in	
21	P18960	4	Connector, O-Ring	
22	P32416	1	Hyd Hose, 1/4in	
23	P19810	2	90, Elbow, O-Ring	
24	P23862	1	Hyd Hose, 3/8in	
25	P21914	2	Tee, O-Ring (Note: Used on Machines Equipped with Natural Engines Only) (644B-37,644B-42)	
26	P24609	2	90, Elbow, O-Ring (Note: Used on Machines Equipped with Natural Engines Only) (644B-37,644B-42)	
27	37524X	2	Hyd Hose, 1/4in (Note: Used on Machines Equipped with Natural Engines Only) (644B-37,644B-42)	
28	P21635	1	O-Ring Plug, Hex (Note: Used on Machines Equipped with Natural Engines Only) (644B-37,644B-42)	
29	P15447	1	O-Ring Plug, Hex (Note: Used on Machines Equipped with Natural Engines Only) (644B-37,644B-42)	

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FIGURE 7-8. JOYSTICK CONTROL HYDRAULIC CIRCUIT (MID INLET) (1044C-42,644B-37,644B-42,844C-42) (644B-37 SN 1290 through 1292, SN 1304 to Present; 644B-42 SN 342 through 343, SN 363 to Present; 844C-42 SN 1341 through 1342, SN 1353 to Present, Including 1199, 1255, 1310 and 1330; 1044C-42 SN 127 to Present)



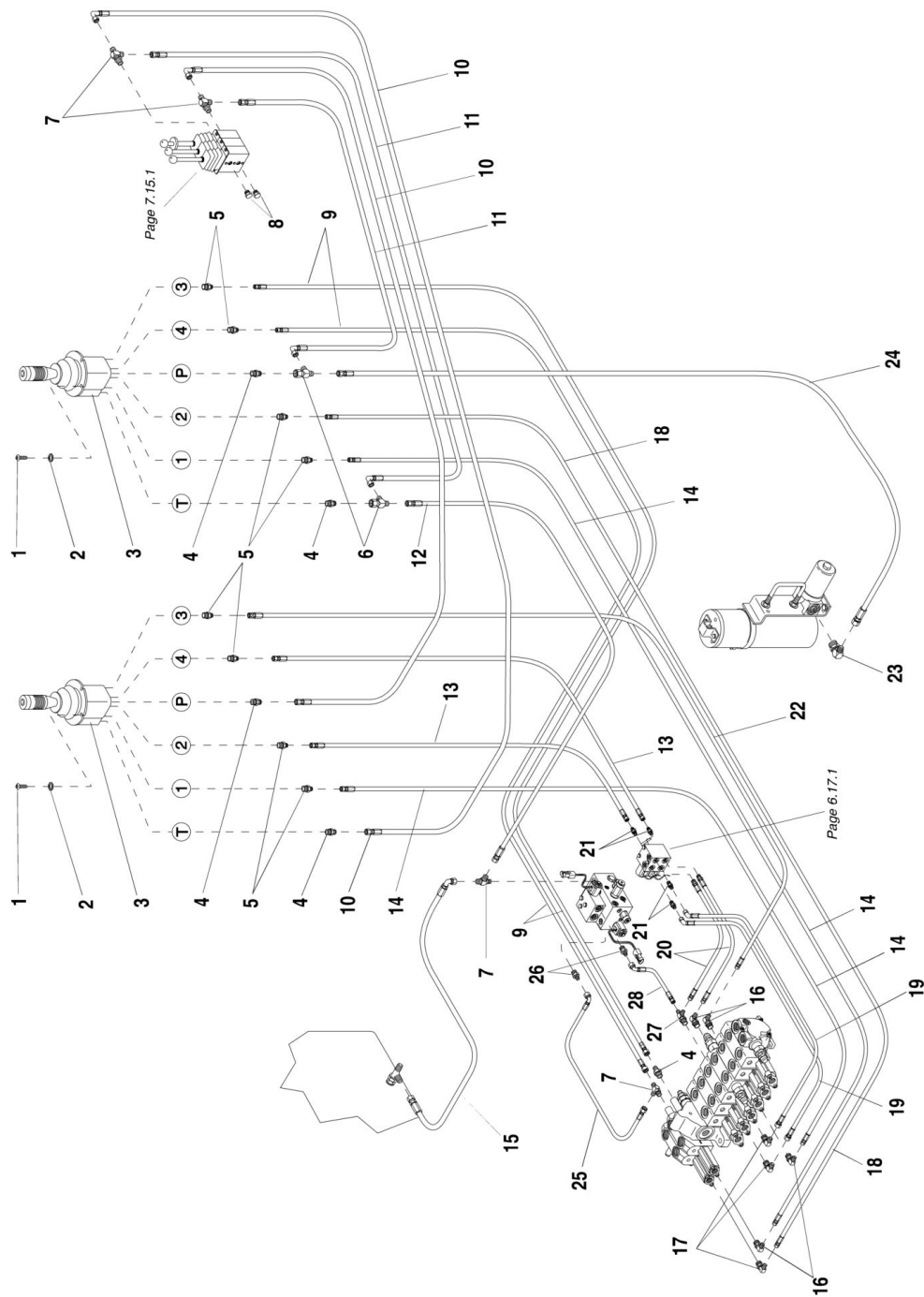
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FIGURE 7-8. JOYSTICK CONTROL HYDRAULIC CIRCUIT (MID INLET) (1044C-42,644B-37,644B-42,844C-42) (644B-37 SN 1290 through 1292, SN 1304 to Present; 644B-42 SN 342 through 343, SN 363 to Present; 844C-42 SN 1341 through 1342, SN 1353 to Present, Including 1199, 1255, 1310 and 1330; 1044C-42 SN 127 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P03196	8	Capscrew, Button Hd Socket, 1/4in-20 x 3/4in	
2	P01357	8	Starwasher, 1/4in External	
3	65474B	2	Joystick Control Valve - Front (See JOYSTICK CONTROL VALVE ASSEMBLY for Breakdown)	
4	P18936	6	Connector, O-Ring	
5	P24612	8	Connector, O-Ring	
6	P19412	2	Tee, Swivel	
7	P21914	3	Tee, O-Ring	
8	P25691	2	Plug, O-Ring	
9	P29155	2	Hyd Hose, 1/4in	
10	P24641	2	Hyd Hose, 3/8in	
11	P20460	2	Hyd Hose, 3/8in	
12	P18856	1	Hyd Hose, 3/8in	
13	37505X	2	Hyd Hose, 1/4in	
14	P33052	2	Hyd Hose, 1/4in	
15	37608X	1	Hyd Hose, 3/8in	
16	P24609	6	90, Elbow, O-Ring	
17	P18935	2	90, Elbow, O-Ring	
18	37607X	1	Hyd Hose, 3/8in	
19	37536X	2	Hyd Hose, 1/4in	
20	37295X	2	Hyd Hose, 1/4in	
21	P18960	4	Connector, O-Ring	
22	P32416	1	Hyd Hose, 1/4in	
23	P19810	2	90, Elbow, O-Ring	
24	P23862	1	Hyd Hose, 3/8in	
25	P21914	2	Tee, O-Ring (Note: Used on Machines Equipped with Natural Engines Only) (644B-37,644B-42)	
26	P24609	2	90, Elbow, O-Ring (Note: Used on Machines Equipped with Natural Engines Only) (644B-37,644B-42)	
27	37524X	2	Hyd Hose, 1/4in (Note: Used on Machines Equipped with Natural Engines Only) (644B-37,644B-42)	
28	P21635	1	O-Ring Plug, Hex (Note: Used on Machines Equipped with Natural Engines Only) (644B-37,644B-42)	
29	P15447	1	O-Ring Plug, Hex (Note: Used on Machines Equipped with Natural Engines Only) (644B-37,644B-42)	

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FIGURE 7-9. JOYSTICK CONTROL HYDRAULIC CIRCUIT (MID INLET) (1044C-54) (1044C-54 SN 155 through 313, Except SN 305 through 306, Excluding 287; Except SN 1044C through 54, Excluding 291)



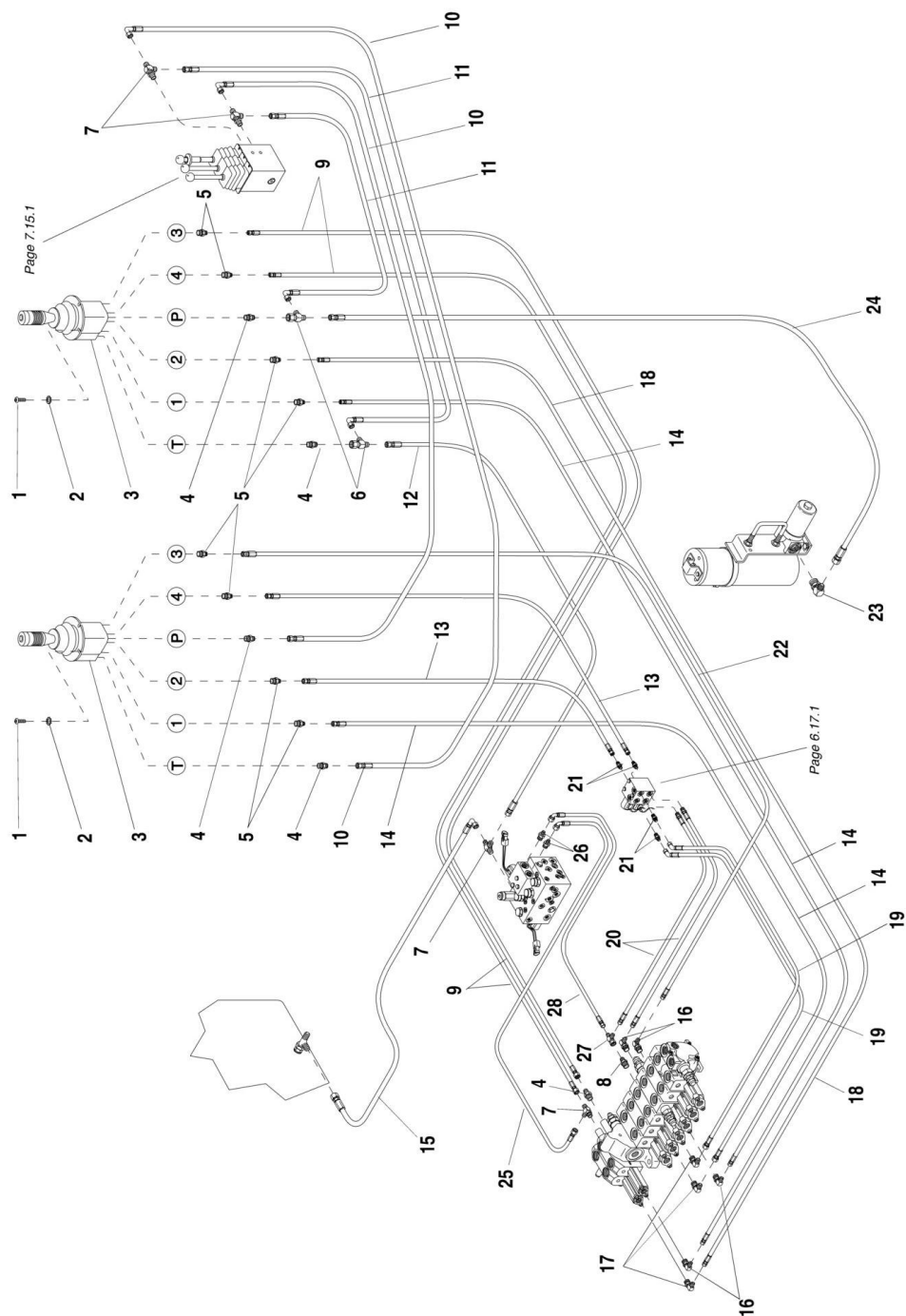
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FIGURE 7-9. JOYSTICK CONTROL HYDRAULIC CIRCUIT (MID INLET) (1044C-54) (1044C-54 SN 155 through 313, Except SN 305 through 306, Excluding 287; Except SN 1044C through 54, Excluding 291)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P03196	8	Capscrew, Button Hd Socket, 1/4in-20 x 3/4in	
2	P01357	8	Starwasher, 1/4in External	
3	65474B	2	Joystick Control Valve (See JOYSTICK CONTROL VALVE ASSEMBLY for Breakdown)	
4	P18936	6	Connector, O-Ring	
5	P24612	8	Connector, O-Ring	
6	P19412	2	Tee, Swivel	
7	P21914	3	Tee, O-Ring	
8	P25691	2	Plug, O-Ring	
9	P29155	2	Hyd Hose, 1/4in	
10	P24641	2	Hyd Hose, 3/8in	
11	P20460	2	Hyd Hose, 3/8in	
12	P18856	1	Hyd Hose, 3/8in	
13	37505X	2	Hyd Hose, 1/4in	
14	P33052	2	Hyd Hose, 1/4in	
15	37608X	1	Hyd Hose, 3/8in	
16	P24609	6	90, Elbow, O-Ring	
17	P18935	2	90, Elbow, O-Ring	
18	37607X	1	Hyd Hose, 3/8in	
19	37536X	2	Hyd Hose, 1/4in	
20	37295X	2	Hyd Hose, 1/4in	
21	P18960	4	Connector, O-Ring	
22	P32416	1	Hyd Hose, 1/4in	
23	P19810	2	90, Elbow, O-Ring	
24	P23862	1	Hyd Hose, 3/8in	
25	37639X	1	Hyd Hose, 3/8in	
26	P19414	1	Check Valve	
27	P27399	1	Swivel Run Tee	
28	37524X	1	Hyd Hose, 3/8in	

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FIGURE 7-10. JOYSTICK CONTROL HYDRAULIC CIRCUIT (MID INLET) (1044C-54) (1044C-54 SN 305 through 306, SN 314 to Present, Including 287; SN 1044C through 54, Including 291)

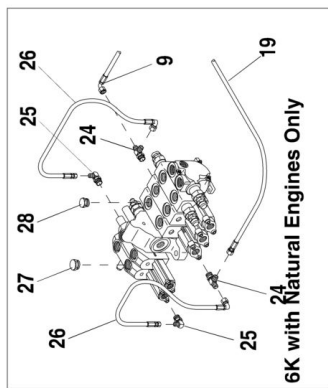


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FIGURE 7-10. JOYSTICK CONTROL HYDRAULIC CIRCUIT (MID INLET) (1044C-54) (1044C-54 SN 305 through 306, SN 314 to Present, Including 287; SN 1044C through 54, Including 291)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P03196	8	Capscrew, Button Hd Socket, 1/4in-20 x 3/4in	
2	P01357	8	Starwasher, 1/4in External	
3	65474B	2	Joystick Control Valve (See JOYSTICK CONTROL VALVE ASSEMBLY for Breakdown)	
4	P18936	6	Connector, O-Ring	
5	P24612	8	Connector, O-Ring	
6	P19412	2	Tee, Swivel	
7	P21914	3	Tee, O-Ring	
8	P18936	1	Connector, O-Ring	
9	P29155	2	Hyd Hose, 1/4in	
10	P24641	2	Hyd Hose, 3/8in	
11	P20460	2	Hyd Hose, 3/8in	
12	P18856	1	Hyd Hose, 3/8in	
13	37505X	2	Hyd Hose, 1/4in	
14	P33052	2	Hyd Hose, 1/4in	
15	37608X	1	Hyd Hose, 3/8in	
16	P24609	6	90, Elbow, O-Ring	
17	P18935	2	90, Elbow, O-Ring	
18	37607X	1	Hyd Hose, 3/8in	
19	37536X	2	Hyd Hose, 1/4in	
20	37295X	2	Hyd Hose, 1/4in	
21	P18960	4	Connector, O-Ring	
22	P32416	1	Hyd Hose, 1/4in	
23	P19810	2	90, Elbow, O-Ring	
24	P23862	1	Hyd Hose, 3/8in	
25	37639X	1	Hyd Hose, 3/8in	
26	P19414	1	Check Valve	
27	P27399	1	Swivel Run Tee	
28	37524X	1	Hyd Hose, 3/8in	

FIGURE 7-11. JOYSTICK CONTROL HYDRAULIC CIRCUIT (MID INLET) (10K-42,6K-37,6K-42,8K-42) (6K-37 SN 318 through 494; 6K-42 SN 120 through 178; 8K-42 SN 221 through 333, Excluding 328 and 331; 10K-42 SN 107 through 108)



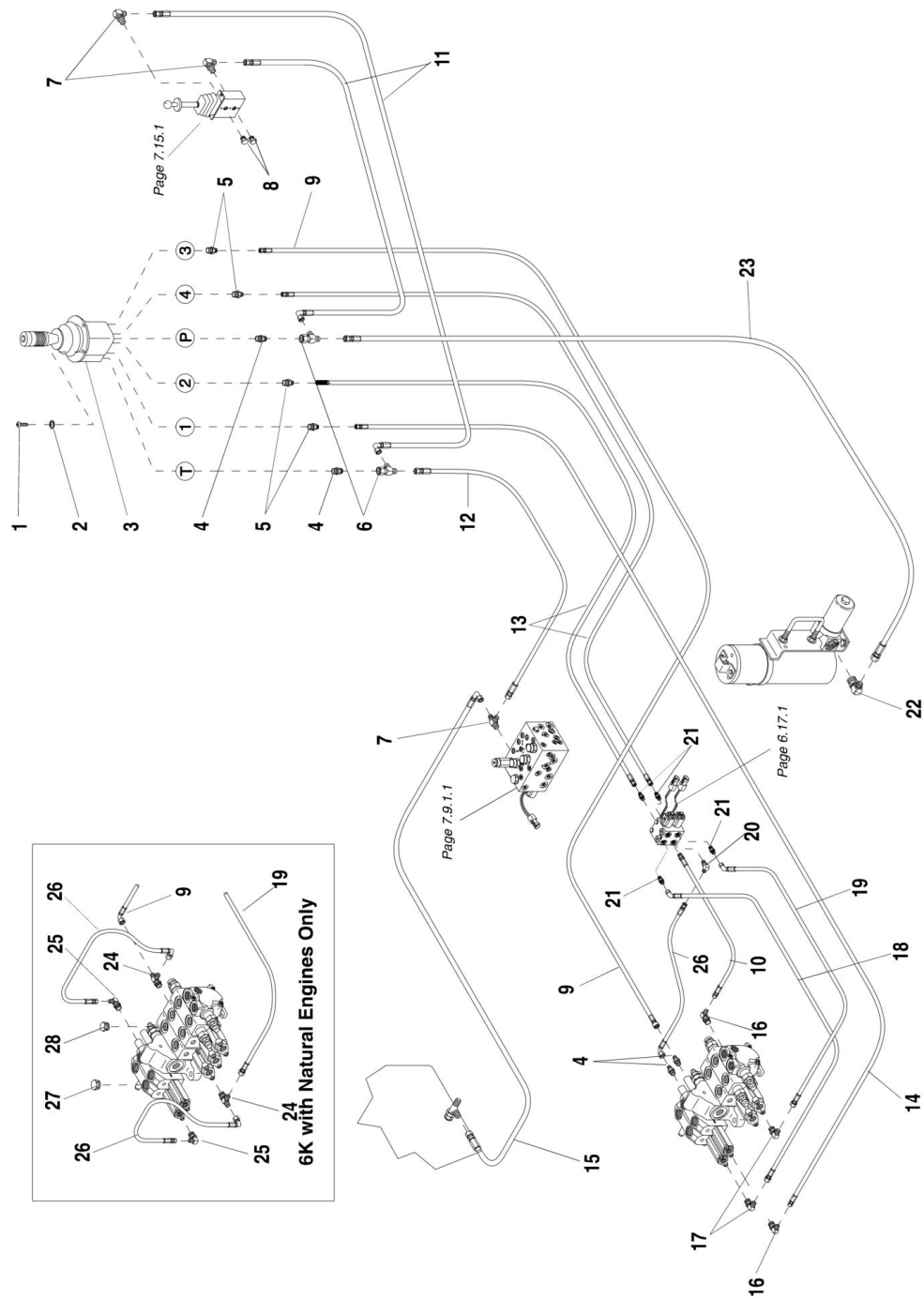
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FIGURE 7-11. JOYSTICK CONTROL HYDRAULIC CIRCUIT (MID INLET) (10K-42,6K-37,6K-42,8K-42) (6K-37 SN 318 through 494; 6K-42 SN 120 through 178; 8K-42 SN 221 through 333, Excluding 328 and 331; 10K-42 SN 107 through 108)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P03196	4	Capscrew, Button Hd Socket, 1/4in-20 x 3/4in	
2	P01357	4	Starwasher, 1/4in External	
3	65474B	2	Joystick Control Valve - Front (See JOYSTICK CONTROL VALVE ASSEMBLY for Breakdown)	
4	P18936	6	Connector, O-Ring	
5	P24612	4	Connector, O-Ring	
6	P19412	2	Tee, Swivel	
7	P21914	3	Tee, O-Ring	
8	P25691	2	Plug, O-Ring	
9	P29155	1	Hyd Hose, 1/4in	
10	37295X	1	Hyd Hose, 1/4in	
11	P20460	2	Hyd Hose, 3/8in	
12	P18856	1	Hyd Hose, 3/8in	
13	37505X	2	Hyd Hose, 1/4in	
14	P33052	1	Hyd Hose, 1/4in	
15	37608X	1	Hyd Hose, 3/8in	
16	P24609	2	90, Elbow, O-Ring	
17	P18935	2	90, Elbow, O-Ring	
18	37537X	1	Hyd Hose, 1/4in	
19	37536X	2	Hyd Hose, 1/4in	
20	P19248	1	90, Elbow, O-Ring	
21	P18960	4	Connector, O-Ring	
22	P19810	1	90, Elbow, O-Ring	
23	P23862	1	Hyd Hose, 3/8in	
24	P21914	2	Tee, O-Ring (Note: Used on Machines Equipped with Natural Engines Only) (6K-37,6K-42)	
25	P24609	2	90, Elbow, O-Ring (Note: Used on Machines Equipped with Natural Engines Only) (6K-37,6K-42)	
26	37524X	2	Hyd Hose, 1/4in (Note: Used on Machines Equipped with Natural Engines Only) (6K-37,6K-42)	
27	P21635	1	O-Ring Plug, Hex (Note: Used on Machines Equipped with Natural Engines Only) (6K-37,6K-42)	
28	P15447	1	O-Ring Plug, Hex (Note: Used on Machines Equipped with Natural Engines Only) (6K-37,6K-42)	

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FIGURE 7-12. JOYSTICK CONTROL HYDRAULIC CIRCUIT (MID INLET) (10K-42,6K-37,6K-42,8K-42)
(6K-37 SN 495 to Present; 6K-42 SN 179 to Present; 8K-42 SN 334 to Present, Including 328 and 331;
10K-42 SN 109 to Present)



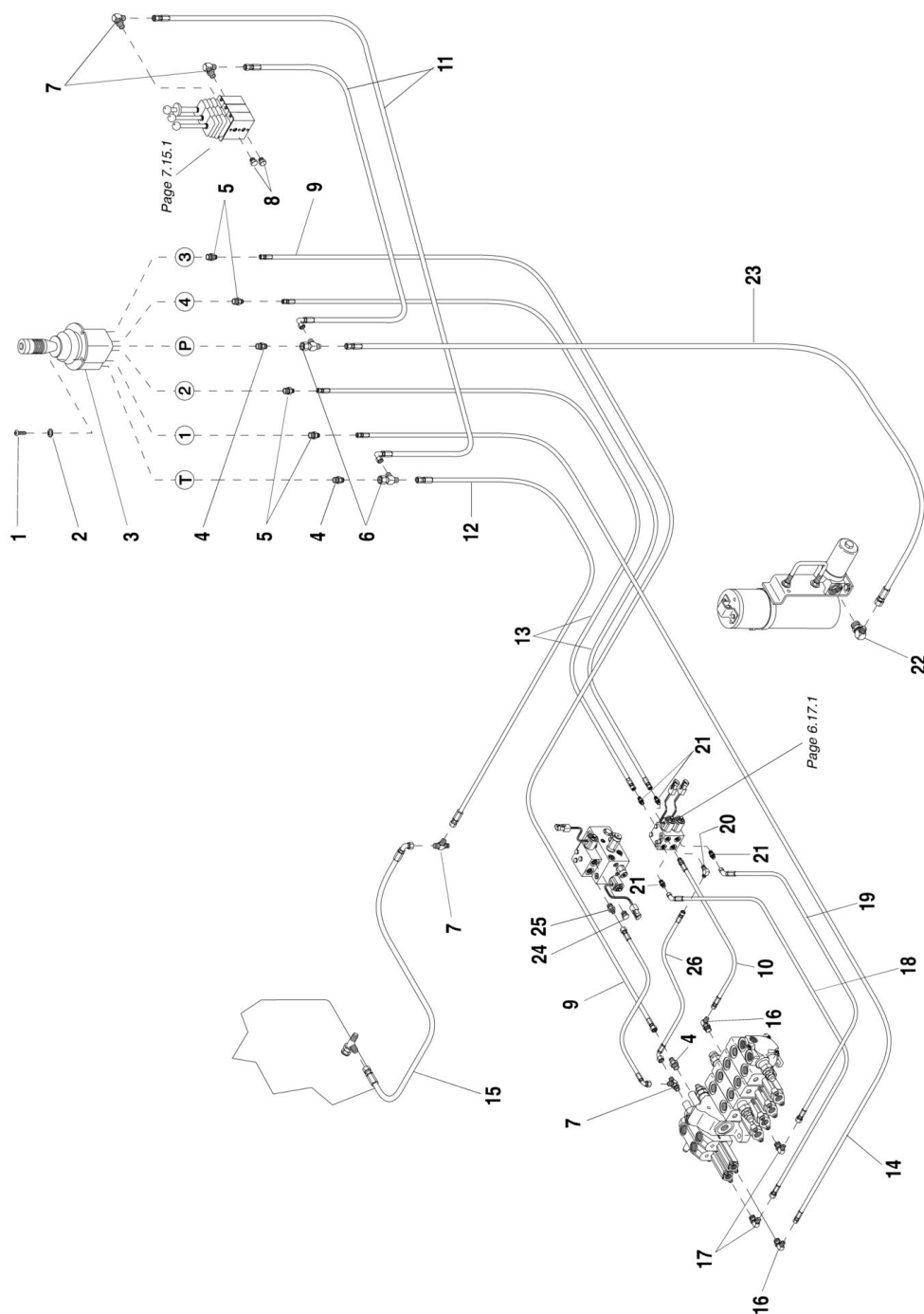
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**FIGURE 7-12. JOYSTICK CONTROL HYDRAULIC CIRCUIT (MID INLET) (10K-42,6K-37,6K-42,8K-42)
(6K-37 SN 495 to Present; 6K-42 SN 179 to Present; 8K-42 SN 334 to Present, Including 328 and 331;
10K-42 SN 109 to Present)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P03196	4	Capscrew, Button Hd Socket, 1/4in-20 x 3/4in	
2	P01357	4	Starwasher, 1/4in External	
3	65474B	2	Joystick Control Valve - Front (See JOYSTICK CONTROL VALVE ASSEMBLY for Breakdown)	
4	P18936	6	Connector, O-Ring	
5	P24612	4	Connector, O-Ring	
6	P19412	2	Tee, Swivel	
7	P21914	3	Tee, O-Ring	
8	P25691	2	Plug, O-Ring	
9	P29155	1	Hyd Hose, 1/4in	
10	37295X	1	Hyd Hose, 1/4in	
11	P20460	2	Hyd Hose, 3/8in	
12	P18856	1	Hyd Hose, 3/8in	
13	37505X	2	Hyd Hose, 1/4in	
14	P33052	1	Hyd Hose, 1/4in	
15	37608X	1	Hyd Hose, 3/8in	
16	P24609	2	90, Elbow, O-Ring	
17	P18935	2	90, Elbow, O-Ring	
18	37537X	1	Hyd Hose, 1/4in	
19	37536X	2	Hyd Hose, 1/4in	
20	P19248	1	90, Elbow, O-Ring	
21	P18960	4	Connector, O-Ring	
22	P19810	1	90, Elbow, O-Ring	
23	P23862	1	Hyd Hose, 3/8in	
24	P21914	2	Tee, O-Ring (Note: Used on Machines Equipped with Natural Engines Only) (6K-37,6K-42)	
25	P24609	2	90, Elbow, O-Ring (Note: Used on Machines Equipped with Natural Engines Only) (6K-37,6K-42)	
26	37524X	2	Hyd Hose, 1/4in (Note: Used on Machines Equipped with Natural Engines Only) (6K-37,6K-42)	
27	P21635	1	O-Ring Plug, Hex (Note: Used on Machines Equipped with Natural Engines Only) (6K-37,6K-42)	
28	P15447	1	O-Ring Plug, Hex (Note: Used on Machines Equipped with Natural Engines Only) (6K-37,6K-42)	

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FIGURE 7-13. JOYSTICK CONTROL HYDRAULIC CIRCUIT (MID INLET) (10K-54) (10K-54 SN 104 through 113)



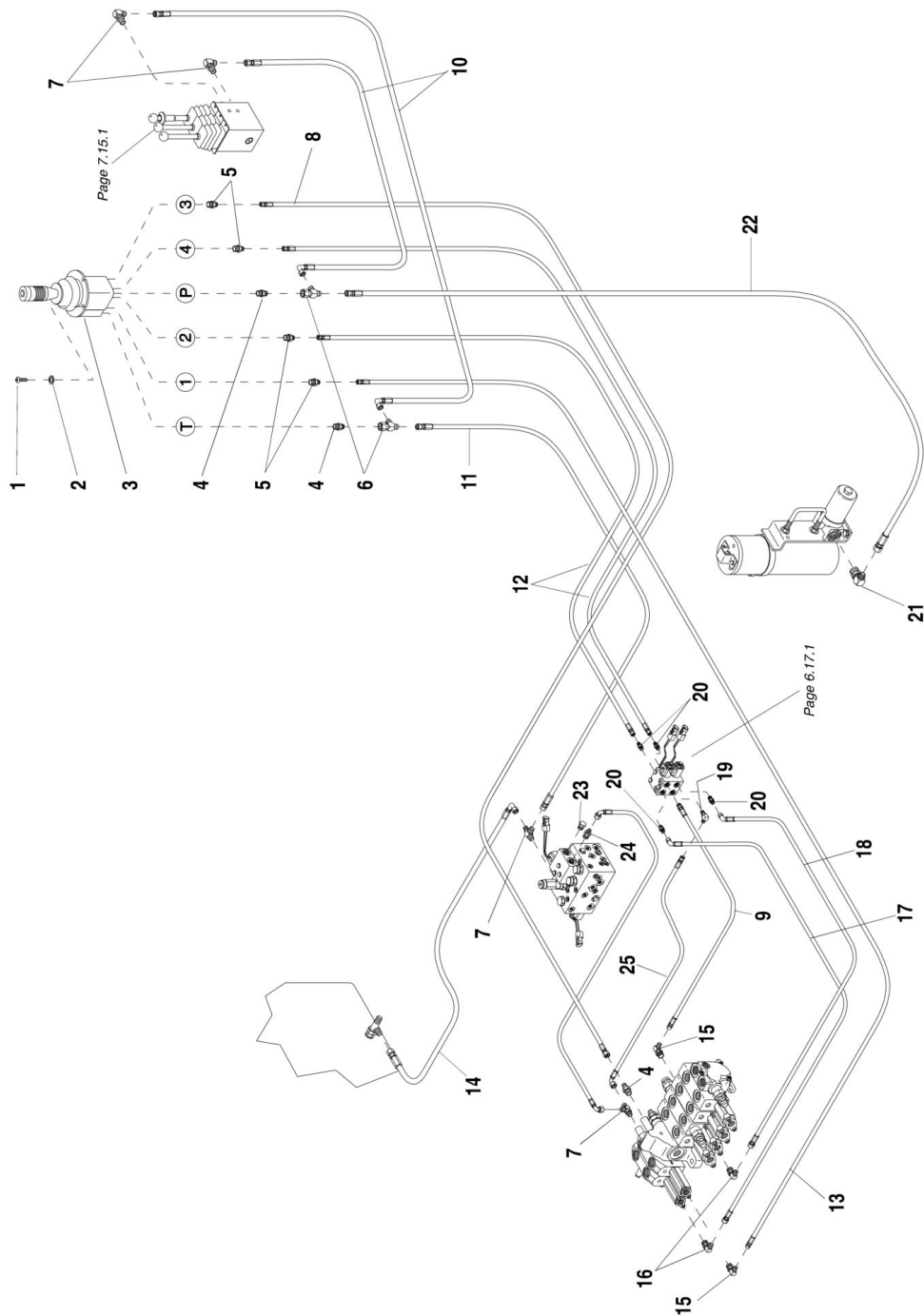
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FIGURE 7-13. JOYSTICK CONTROL HYDRAULIC CIRCUIT (MID INLET) (10K-54) (10K-54 SN 104 through 113)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P03196	4	Capscrew, Button Hd Socket, 1/4in-20 x 3/4in	
2	P01357	4	Starwasher, 1/4in External	
3	65474B	2	Joystick Control Valve - Front (See JOYSTICK CONTROL VALVE ASSEMBLY for Breakdown)	
4	P18936	6	Connector, O-Ring	
5	P24612	4	Connector, O-Ring	
6	P19412	2	Tee, Swivel	
7	P21914	3	Tee, O-Ring	
8	P25691	2	Plug, O-Ring	
9	P29155	1	Hyd Hose, 1/4in	
10	37295X	1	Hyd Hose, 1/4in	
11	P20460	2	Hyd Hose, 3/8in	
12	P18856	1	Hyd Hose, 3/8in	
13	37505X	2	Hyd Hose, 1/4in	
14	P33052	1	Hyd Hose, 1/4in	
15	37608X	1	Hyd Hose, 3/8in	
16	P24609	2	90, Elbow, O-Ring	
17	P18935	2	90, Elbow, O-Ring	
18	37537X	1	Hyd Hose, 1/4in	
19	37536X	2	Hyd Hose, 1/4in	
20	P19248	1	90, Elbow, O-Ring	
21	P18960	4	Connector, O-Ring	
22	P19810	1	90, Elbow, O-Ring	
23	P23862	1	Hyd Hose, 3/8in	
24	P15446	1	O-Ring Plug, Hex	
25	P19414	1	Check Vavle	
26	37524X	1	Hyd Hose, 1/4in	

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FIGURE 7-14. JOYSTICK CONTROL HYDRAULIC CIRCUIT (MID INLET) (10K-54) (10K-54 SN 114 to Present)



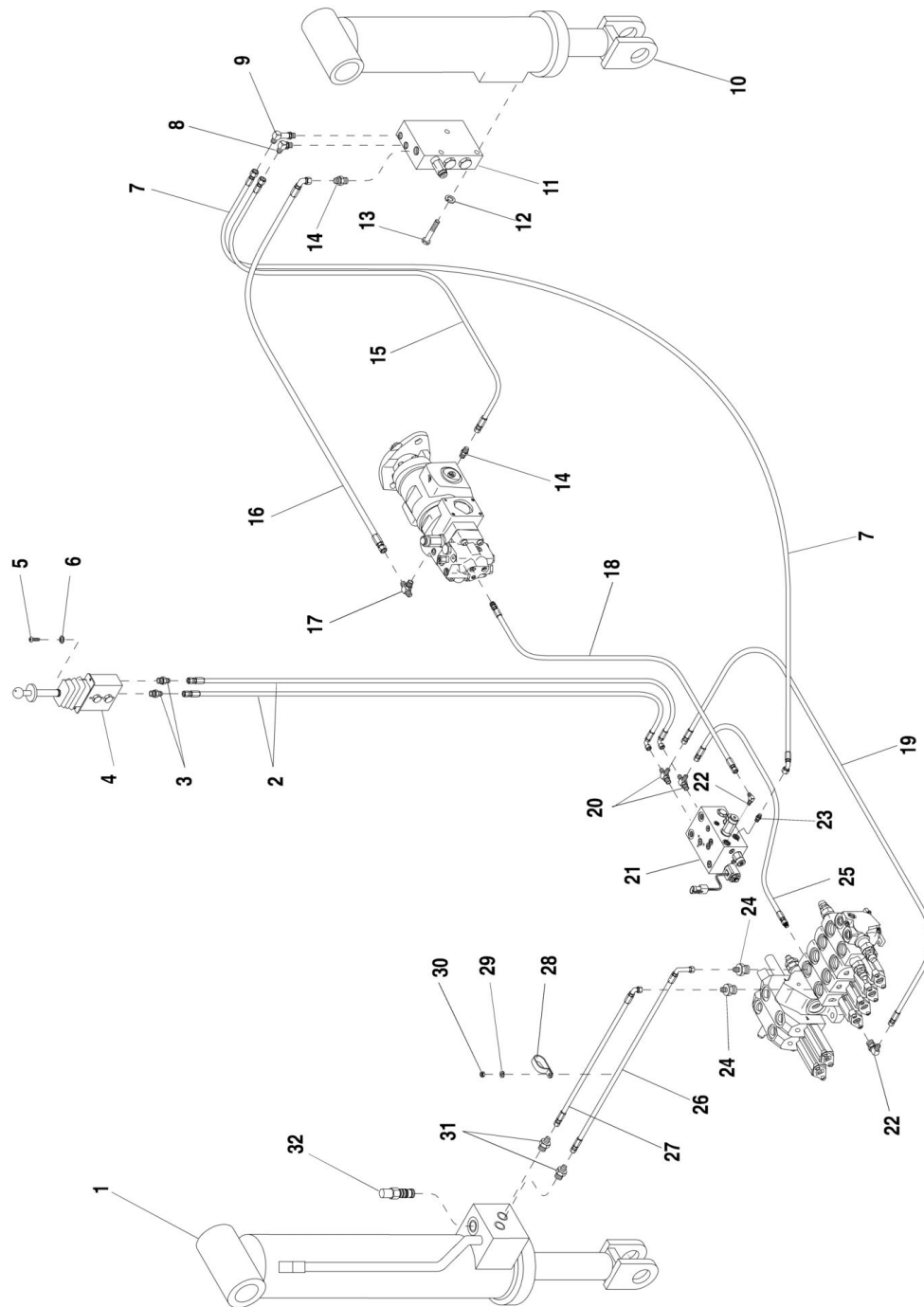
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FIGURE 7-14. JOYSTICK CONTROL HYDRAULIC CIRCUIT (MID INLET) (10K-54) (10K-54 SN 114 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P03196	4	Capscrew, Button Hd Socket, 1/4in-20 x 3/4in	
2	P01357	4	Starwasher, 1/4in External	
3	65474B	2	Joystick Control Valve - Front (See JOYSTICK CONTROL VALVE ASSEMBLY for Breakdown)	
4	P18936	6	Connector, O-Ring	
5	P24612	4	Connector, O-Ring	
6	P19412	2	Tee, Swivel	
7	P21914	3	Tee, O-Ring	
8	P29155	1	Hyd Hose, 1/4in	
9	37295X	1	Hyd Hose, 1/4in	
10	P20460	2	Hyd Hose, 3/8in	
11	P18856	1	Hyd Hose, 3/8in	
12	37505X	2	Hyd Hose, 1/4in	
13	P33052	1	Hyd Hose, 1/4in	
14	37608X	1	Hyd Hose, 3/8in	
15	P24609	2	90, Elbow, O-Ring	
16	P18935	2	90, Elbow, O-Ring	
17	37537X	1	Hyd Hose, 1/4in	
18	37536X	2	Hyd Hose, 1/4in	
19	P19248	1	90, Elbow, O-Ring	
20	P18960	4	Connector, O-Ring	
21	P19810	1	90, Elbow, O-Ring	
22	P23862	1	Hyd Hose, 3/8in	
23	P15446	1	O-Ring Plug, Hex	
24	P19414	1	Check Vavle	
25	37524X	1	Hyd Hose, 1/4in	

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FIGURE 7-15. FRAME TILT AND REAR OSCILLATION LOCK HYDRAULIC CIRCUIT (1044C-42,10K-42,644B-37,644B-42,6K-37,6K-42,844C-42) (644B-37 SN 667 through 1303, Except SN 1290 through 1292, Including 591; 644B-42 SN 208 through 362, Except SN 342 through 343; 844C-42 SN 622 through 1352, Except SN 1341 through 1342, Excluding 1199, 1255, 1310 and 1330; 1044C-42 SN 117 through 126; 6K-37 SN 318 through 494; 6K-42 SN 120 through 178; 10K-42 SN 107 through 108)



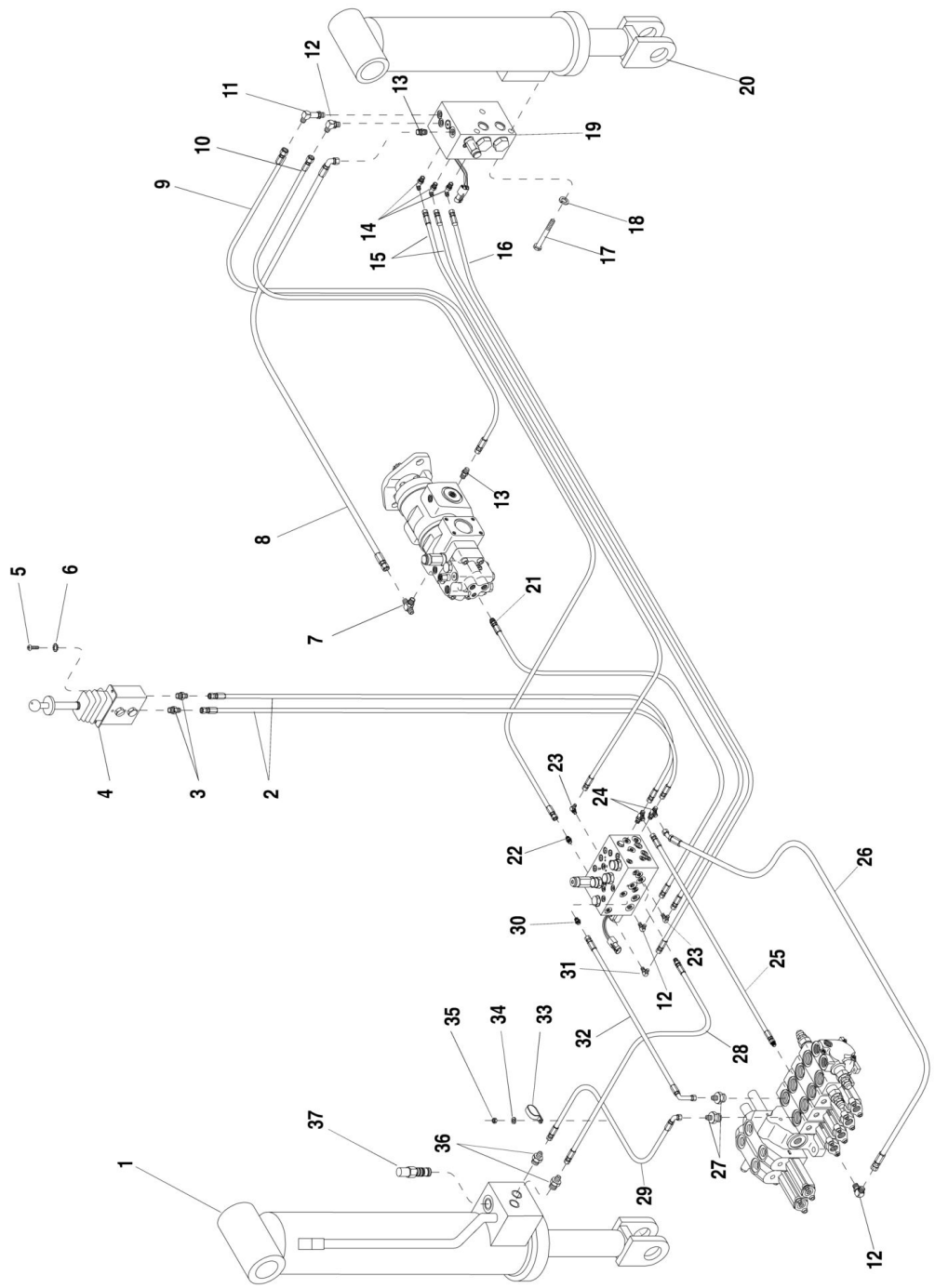
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FIGURE 7-15. FRAME TILT AND REAR OSCILLATION LOCK HYDRAULIC CIRCUIT (1044C-42,10K-42,644B-37,644B-42,6K-37,6K-42,844C-42) (644B-37 SN 667 through 1303, Except SN 1290 through 1292, Including 591; 644B-42 SN 208 through 362, Except SN 342 through 343; 844C-42 SN 622 through 1352, Except SN 1341 through 1342, Excluding 1199, 1255, 1310 and 1330; 1044C-42 SN 117 through 126; 6K-37 SN 318 through 494; 6K-42 SN 120 through 178; 10K-42 SN 107 through 108)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	34821B	1	Cylinder, Frame Tilt (See FRAME TILT CYLINDER ASSEMBLY for Breakdown)	
2	37610X	2	Hyd Hose, 1/4in	
3	P24612	2	Connector, O-Ring	
4	P31407	1	Control Valve, Frame Tilt (See FRAME TILT CONTROL VALVE ASSEMBLY for Breakdown)	
5	P03196	2	Capscrew, Button Hd Socket, 1/4in-20 x 3/4in	
6	P01357	2	Starwasher, 1/4in External	
7	37614X	1	Hyd Hose, 1/4in	
8	P18935	1	90, Elbow, O-Ring	
9	P29013	2	90, Elbow, O-Ring (Long)	
10	34822B	1	Cylinder, Rear Oscillation Lock (See REAR OSCILLATION LOCK CYLINDER ASSEMBLY for Breakdown)	
11	39950B	1	Control Block, Rear Oscillation Lock (See OSCILLATION CONTROL BLOCK ASSEMBLY for Breakdown)	
12	P01312	3	Lockwasher, 1/2in	
13	P00439	3	Capscrew, Hx, 1/2in-13 x 3 1/2in GR 8	
14	P23848	1	Check Valve	
15	37615X	1	Hyd Hose, 3/8in	
16	37613X	1	Hyd Hose, 1/2in	
17	P25687	1	Tee, Branch O-Ring	
18	37612X	1	Hyd Hose, 1/4in	
19	37628X	1	Hyd Hose, 1/4in	
20	P26604	2	Tee, Run O-Ring	
21	39948B	1	Control Valve, Rear Axle Stabilizer (See REAR AXLE STABILIZER CONTROL VALVE ASSEMBLY for Breakdown)	
22	P24609	2	90, Elbow, O-Ring	
23	P18960	1	Connector, O-Ring	
24	P25697	2	Connector, O-Ring	
25	37627X	1	Hyd Hose, 1/4in	
26	37170X	1	Hyd Hose, 1/4in	
27	37516X	1	Hyd Hose, 1/4in	
28	37368X	1	Clamp, Hose	
29	P01310	1	Lockwasher, 3/8in	
30	P01508	1	Nut, Hx, 3/8in-16	
31	P19415	2	Connector, O-Ring	
32	P29947	2	Cartridge, Counterbalance Valve	
32	2900770	1	Seal Kit	

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FIGURE 7-16. FRAME TILT AND REAR OSCILLATION LOCK HYDRAULIC CIRCUIT (1044C-42,10K-42,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 1290 through 1292, SN 1304 to Present; 644B-42 SN 342 through 343, SN 363 through 1294; 844C-42 SN 1353 through 3371, Including 1199, 1255, 1310, 1330, 1341 and 1342; 1044C-42 Including 127; 6K-37 SN 495 to Present; 6K-42 SN 179 through 226; 8K-42 SN 334 through 468, Including 328 and 331; 10K-42 SN 109 through 114)



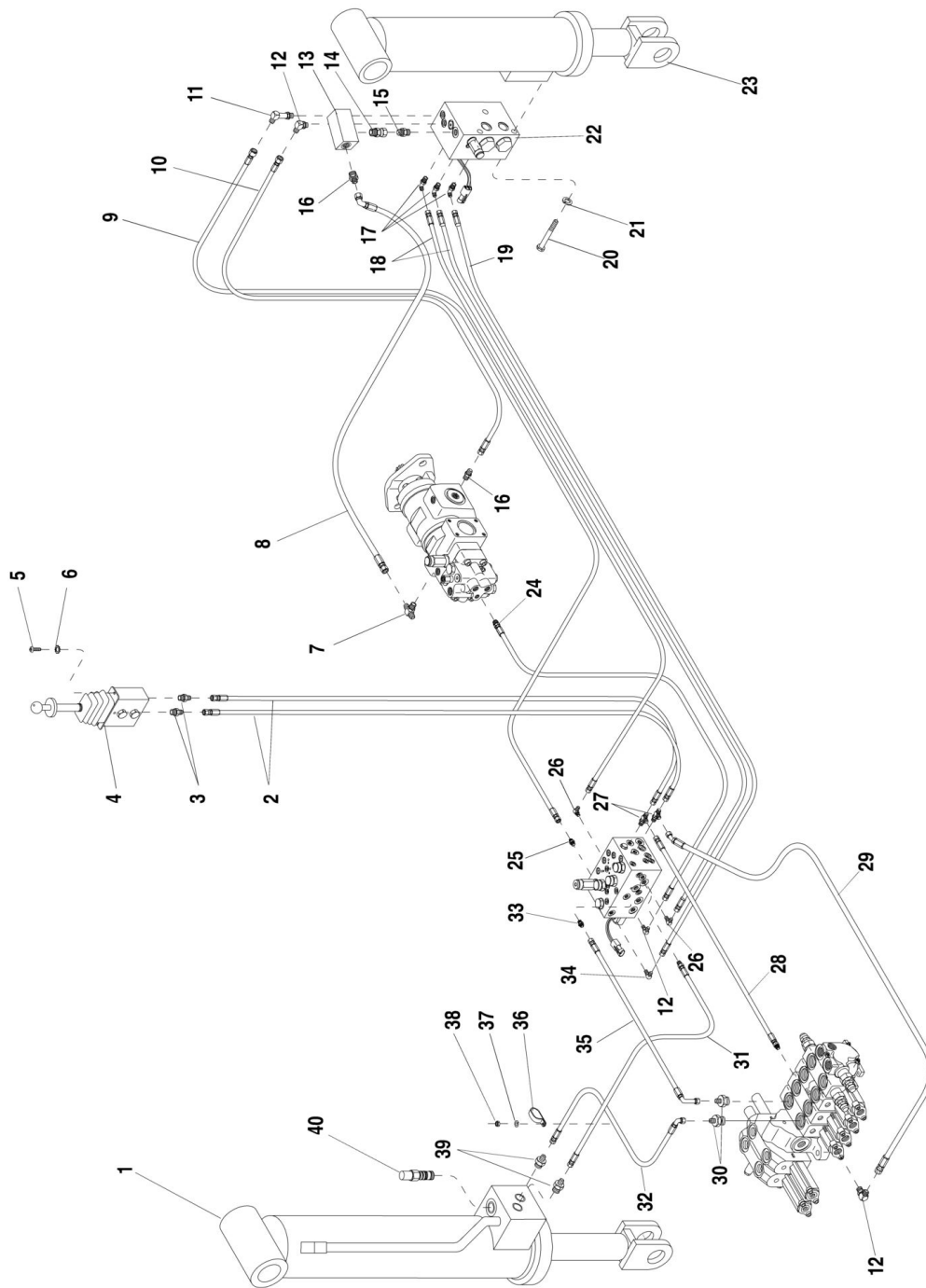
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FIGURE 7-16. FRAME TILT AND REAR OSCILLATION LOCK HYDRAULIC CIRCUIT (1044C-42,10K-42,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 1290 through 1292, SN 1304 to Present; 644B-42 SN 342 through 343, SN 363 through 1294; 844C-42 SN 1353 through 3371, Including 1199, 1255, 1310, 1330, 1341 and 1342; 1044C-42 Including 127; 6K-37 SN 495 to Present; 6K-42 SN 179 through 226; 8K-42 SN 334 through 468, Including 328 and 331; 10K-42 SN 109 through 114)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1		Ref	Cylinder, Frame Tilt (See FRAME TILT CYLINDER ASSEMBLY for Breakdown)	
1	2900770	1	Seal Kit for Item 1	
2	37610X	2	Hyd Hose, 1/4in	
3	P24612	2	Connector, O-Ring	
4	P31407	1	Control Valve, Frame Tilt (See FRAME TILT CONTROL VALVE ASSEMBLY for Breakdown)	
5	P03196	2	Capscrew, Button Hd Socket, 1/4in-20 x 3/4in	
6	P01357	2	Starwasher, 1/4in External	
7	P25687	1	Tee, Branch O-Ring	
8	37613X	1	Hyd Hose, 1/2in	
9	37614X	1	Hyd Hose, 1/4in	
10	37615X	1	Hyd Hose, 3/8in	
11	P29013	2	90, Elbow, O-Ring (Long)	
12	P18935	3	90, Elbow, O-Ring	
13	P23848	1	Check Valve	
14	P21619	3	45, Elbow, O-Ring	
15	P29956	2	Hyd Hose, 1/4in	
16	P30584	1	Hyd Hose, 1/4in	
17	P00442	3	Capscrew, Hx, 1/2in-13 x 1 1/2in	
18	P01406	1	Flatwasher, 1/2	
19	66194C	1	Control Valve, Rear Axle Stabilizer (See OSCILLATION CONTROL BLOCK ASSEMBLY for Breakdown)	
20		Ref	Cylinder, Rear Oscillation Lock (See REAR OSCILLATION LOCK CYLINDER ASSEMBLY for Breakdown)	
21	66708X	1	Hyd Hose, 1/4in	
22	P18960	1	Connector, O-Ring	
23	P19248	2	90, Elbow, O-Ring	
24	P26604	2	Tee, Run O-Ring	
25	37296X	1	Hyd Hose, 1/4in	
26	37537X	1	Hyd Hose, 1/4in	
27	P25697	2	Connector, O-Ring	
28	66706X	1	Hyd Hose, 1/4in	
29	10837616	1	Hyd Hose, 1/4in	
30	37516X	1	Hyd Hose, 1/4in	
31	P18936	1	Connector, O-Ring	
32	66716X	1	Hyd Hose, 1/4in	
33	37368X	1	Clamp, Hose	
34	P01310	1	Lockwasher, 3/8in	
35	P01508	1	Nut, Hx, 3/8in-16	
36	P19415	2	Connector, O-Ring	
37	P29947	2	Cartridge, Counterbalance Valve	

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FIGURE 7-17. FRAME TILT AND REAR OSCILLATION LOCK HYDRAULIC CIRCUIT (1044C-42,10K-42,644B-42,6K-42,844C-42,8K-42) (644B-42 SN 1295 to Present; 844C-42 SN 3372 to Present; 1044C-42 SN 127 to Present; 6K-42 SN 227 to Present; 8K-42 SN 469 to Present; 10K-42 SN 115 to Present)



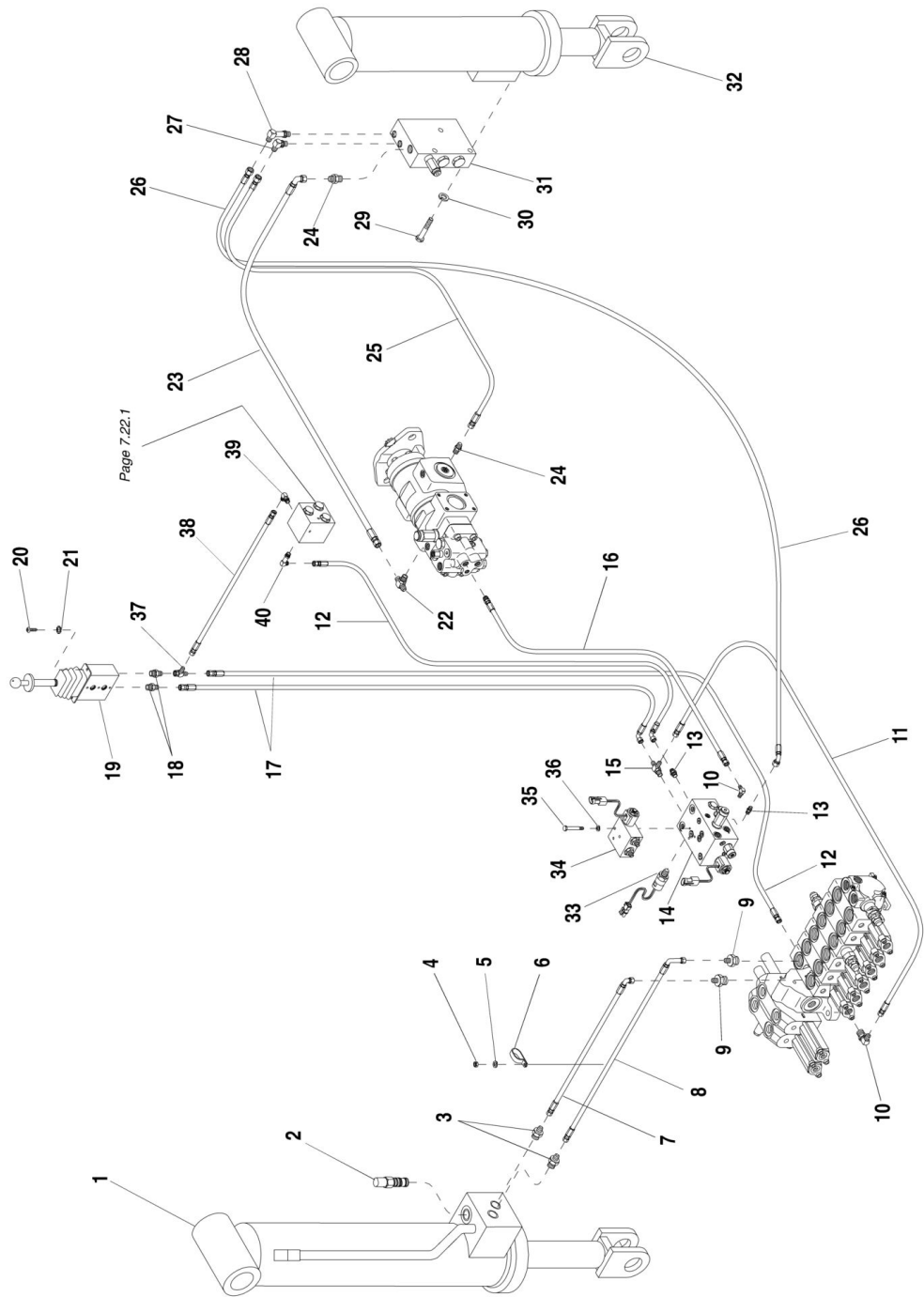
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FIGURE 7-17. FRAME TILT AND REAR OSCILLATION LOCK HYDRAULIC CIRCUIT (1044C-42,10K-42,644B-42,6K-42,844C-42,8K-42) (644B-42 SN 1295 to Present; 844C-42 SN 3372 to Present; 1044C-42 SN 127 to Present; 6K-42 SN 227 to Present; 8K-42 SN 469 to Present; 10K-42 SN 115 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1		Ref	Cylinder, Frame Tilt (See FRAME TILT CYLINDER ASSEMBLY for Breakdown)	
2	37610X	2	Hyd Hose, 1/4in	
3	P24612	2	Connector, O-Ring	
4	P31407	1	Control Valve, Frame Tilt (See FRAME TILT CONTROL VALVE ASSEMBLY for Breakdown)	
5	P03196	2	Capscrew, Button Hd Socket, 1/4in-20 x 3/4in	
6	P01357	2	Starwasher, 1/4in External	
7	P25687	1	Tee, Branch O-Ring	
8	37613X	1	Hyd Hose, 1/2in	
9	37614X	1	Hyd Hose, 1/4in	
10	37615X	1	Hyd Hose, 3/8in	
11	P29013	2	90, Elbow, O-Ring (Long)	
12	P18935	3	90, Elbow, O-Ring	
13	1100963	1	Filter, Inline (See INLINE FLITER ASSEMBLY for Breakdown)	
14	8760142	1	Connector, Swivel	
15	P23848	1	Check Valve	
16	10718944	1	Adapter, Str	
17	P21619	3	45, Elbow, O-Ring	
18	P29956	2	Hyd Hose, 1/4in	
19	P30584	1	Hyd Hose, 1/4in	
20	P00442	3	Capscrew, Hx, 1/2in-13 x 1 1/2in	
21	P01406	1	Flatwasher, 1/2	
22	66194C	1	Control Valve, Rear Axle Stabilizer (See OSCILLATION CONTROL BLOCK ASSEMBLY for Breakdown)	
23		Ref	Cylinder, Rear Oscillation Lock (See REAR OSCILLATION LOCK CYLINDER ASSEMBLY for Breakdown)	
24	66708X	1	Hyd Hose, 1/4in	
25	P18960	1	Connector, O-Ring	
26	P19248	2	90, Elbow, O-Ring	
27	P26604	2	Tee, Run O-Ring	
28	37296X	1	Hyd Hose, 1/4in	
29	37537X	1	Hyd Hose, 1/4in	
30	P25697	2	Connector, O-Ring	
31	66706X	1	Hyd Hose, 1/4in	
32	10837616	1	Hyd Hose, 1/4in	
33	37516X	1	Hyd Hose, 1/4in	
34	P18936	1	Connector, O-Ring	
35	66716X	1	Hyd Hose, 1/4in	
36	37368X	1	Clamp, Hose	
37	P01310	1	Lockwasher, 3/8in	
38	P01508	1	Nut, Hx, 3/8in-16	
39	P19415	2	Connector, O-Ring	
40	P29947	2	Cartridge, Counterbalance Valve	
Ref	2900770	1	Seal Kit for Item 1	

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FIGURE 7-18. FRAME TILT AND REAR OSCILLATION LOCK HYDRAULIC CIRCUIT (1044C-54,10K-54)
(1044C-54 SN 155 through 313, Except SN 305 through 306, Excluding 287 and 297; 10K-54 SN 104
through 113)



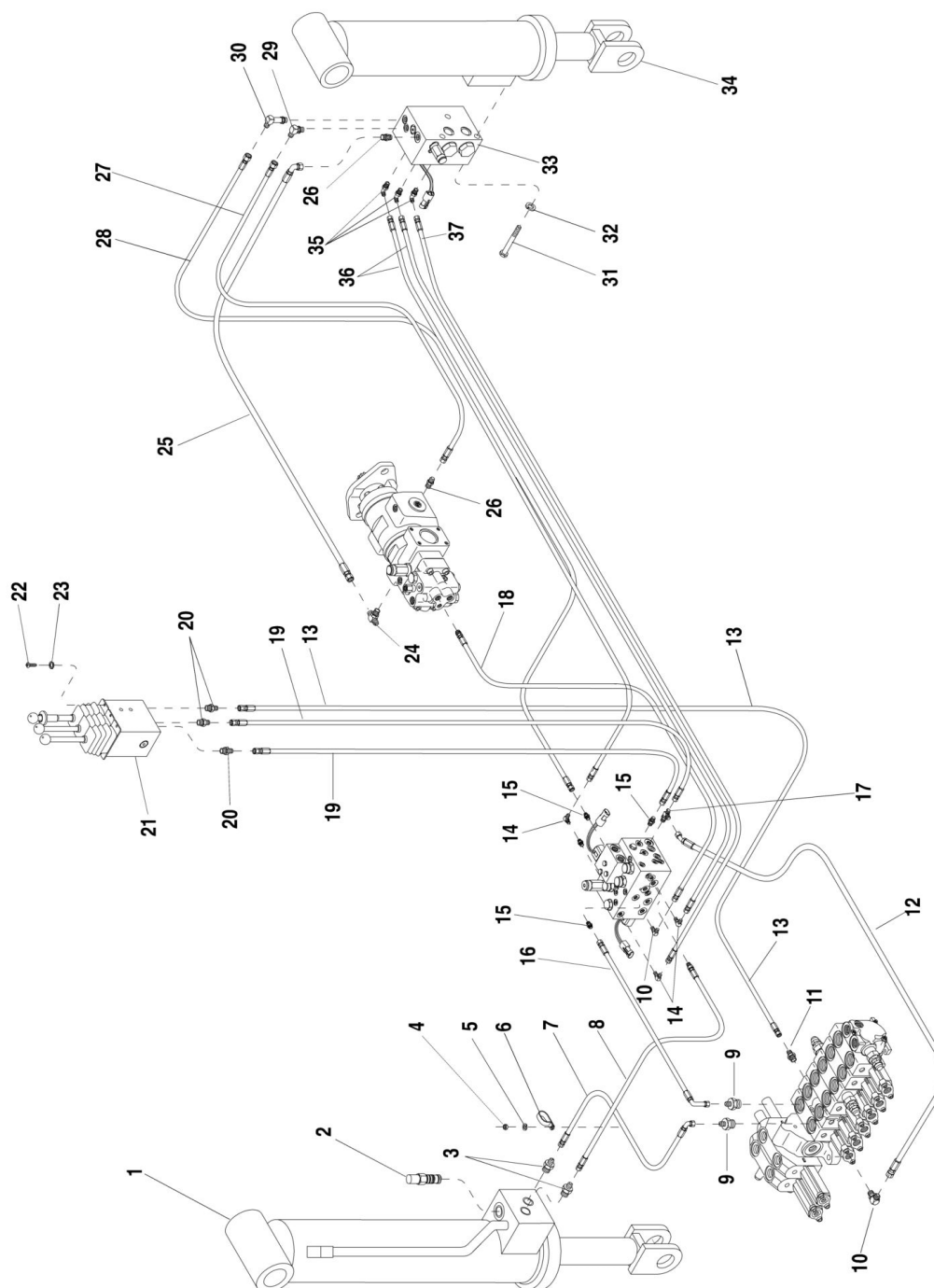
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**FIGURE 7-18. FRAME TILT AND REAR OSCILLATION LOCK HYDRAULIC CIRCUIT (1044C-54,10K-54)
(1044C-54 SN 155 through 313, Except SN 305 through 306, Excluding 287 and 297; 10K-54 SN 104
through 113)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1		Ref	Cylinder, Frame Tilt (See FRAME TILT CYLINDER ASSEMBLY for Breakdown)	
2	P29947	2	Cartridge, Counterbalance Valve	
2	2900770	1	Seal Kit	
3	P19415	2	Connector, O-Ring	
4	P01508	1	Nut, Hx, 3/8in-16	
5	P01310	1	Lockwasher, 3/8in	
6	37368X	1	Clamp, Hose (Replaces P17553)	
7	37516X	1	Hyd Hose, 1/4in	
8	37170X	1	Hyd Hose, 1/4in	
9	P25697	2	Connector, O-Ring	
10	P24609	3	90, Elbow, O-Ring	
11	37628X	1	Hyd Hose, 1/4in	
12	37627X	1	Hyd Hose, 1/4in	
13	P18960	2	Connector, O-Ring	
14	39948B	1	Control Valve, Rear Axle Stabilizer (See REAR AXLE STABILIZER CONTROL VALVE ASSEMBLY for Breakdown)	
15	P26604	2	Tee, Run O-Ring	
16	37612X	1	Hyd Hose, 1/4in	
17	37610X	2	Hyd Hose, 1/4in	
18	P24612	2	Connector, O-Ring	
19	P31407	1	Control Valve, Frame Tilt (See FRAME TILT CONTROL VALVE ASSEMBLY for Breakdown)	
20	P03196	2	Capscrew, Button Hd Socket, 1/4in-20 x 3/4in	
21	P01357	2	Starwasher, 1/4in External	
22	P25687	1	Tee, Branch O-Ring	
23	37613X	1	Hyd Hose, 1/2in	
24	P23848	1	Check Valve	
25	37615X	1	Hyd Hose, 3/8in	
26	37614X	1	Hyd Hose, 1/4in	
27	P18935	1	90, Elbow, O-Ring	
28	P29013	2	90, Elbow, O-Ring (Long)	
29	P00439	3	Capscrew, Hx, 1/2in-13 x 3 1/2in GR 8	
30	P01312	3	Lockwasher, 1/2in	
31	39950C	1	Control Block, Rear Oscillation Lock (See OSCILLATION CONTROL BLOCK ASSEMBLY for Breakdown)	
32		Ref	Cylinder, Rear Oscillation Lock (See REAR OSCILLATION LOCK CYLINDER ASSEMBLY for Breakdown)	
33	39505A	1	Pressure Switch, Brake(Use with Wet Disc Brake)	
33	39339A	-	Pressure Switch, Brake(Use with Dry Disc Brake)	
34	39949A	1	Boom Extend Lockout Valve (See BOOM EXTEND LOCKOUT VALVE ASSEMBLY for Breakdown)	
35	P00009	3	Capscrew, Hx, 1/4in-20 x 2in	
36	P01308	9	Lockwasher, 1/4in	
37	P27399	1	Tee, Swivel	
38	37858X	1	Hyd Hose, 1/4in	
39	P19248	1	90, Elbow, O-Ring	
40	P33166	1	90, Elbow, O-Ring (Long)	

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**FIGURE 7-19. FRAME TILT AND REAR OSCILLATION LOCK HYDRAULIC CIRCUIT (1044C-54,10K-54)
(1044C-54 SN 314 through 974, Including 287, 291, 305 and 306; 10K-54 SN 114 through 134)**



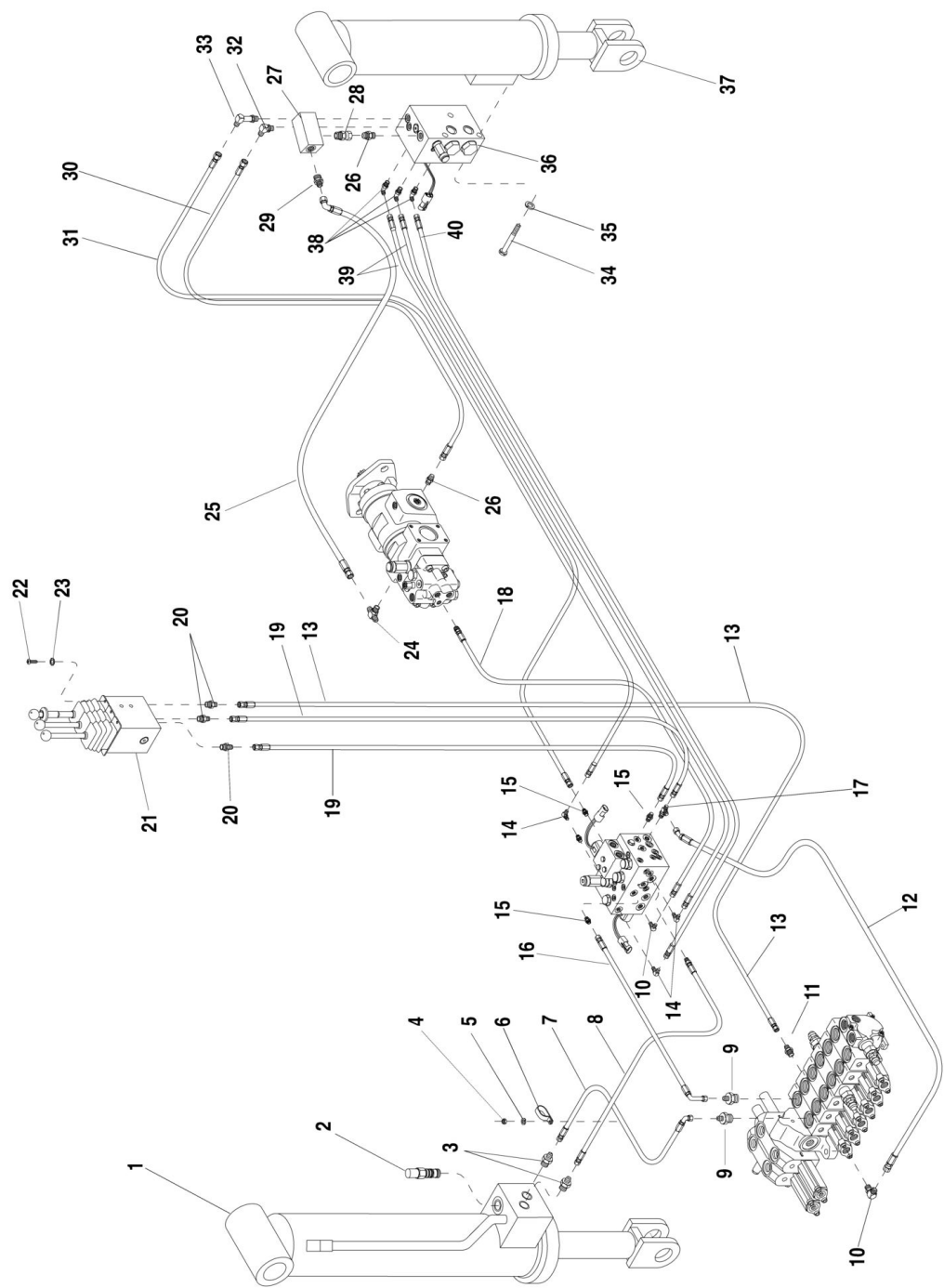
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**FIGURE 7-19. FRAME TILT AND REAR OSCILLATION LOCK HYDRAULIC CIRCUIT (1044C-54,10K-54)
(1044C-54 SN 314 through 974, Including 287, 291, 305 and 306; 10K-54 SN 114 through 134)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1		Ref	Cylinder, Frame Tilt (See FRAME TILT CYLINDER ASSEMBLY for Breakdown)	
2	P29947	2	Cartridge, Counterbalance Valve	
2	2900770	1	Seal Kit	
3	P19415	2	Connector, O-Ring	
4	P01508	1	Nut, Hx, 3/8in-16	
5	P01310	1	Lockwasher, 3/8in	
6	37368X	1	Clamp, Hose (Replaces P17553)	
7	37516X	1	Hyd Hose, 1/4in	
8	66706X	1	Hyd Hose, 1/4in	
9	P25697	2	Connector, O-Ring	
10	P18935	3	90, Elbow, O-Ring	
11	P18936	1	Connector, O-Ring	
12	37537X	1	Hyd Hose, 1/4in	
13	P29156	1	Hyd Hose, 1/4in	
14	P19248	3	90, Elbow, O-Ring	
15	P18960	1	Connector, O-Ring	
16	66716X	1	Hyd Hose, 1/4in	
17	P26604	1	Tee, Run O-Ring	
18	66708X	1	Hyd Hose, 1/4in	
19	37610X	2	Hyd Hose, 1/4in	
20	P24612	2	Connector, O-Ring	
21		Ref	Control Valve, (See FRAME TILT CONTROL VALVE ASSEMBLY for Breakdown)	
22	P03196	2	Capscrew, Button Hd Socket, 1/4in-20 x 3/4in	
23	P01357	2	Starwasher, 1/4in External	
24	P25687	1	Tee, Branch O-Ring	
25	37613X	1	Hyd Hose, 1/2in	
26	P23848	1	Check Valve	
27	37615X	1	Hyd Hose, 3/8in	
28	37614X	1	Hyd Hose, 1/4in	
29	P18935	1	90, Elbow, O-Ring	
30	P29013	2	90, Elbow, O-Ring (Long)	
31	P00442	3	Capscrew, Hx, 1/2in-13 x 4 1/2in GR 8	
32	P01406	3	Faltwasher, 1/2in	
33	66194C	1	Control Block, Rear Oscillation Lock (See REAR OSCILLATION LOCK CYLINDER ASSEMBLY for Breakdown)	
34	34822B	1	Cylinder, Rear Oscillation Lock (See REAR OSCILLATION LOCK CYLINDER ASSEMBLY for Breakdown)	
35	P21619	3	Connector, O-Ring, 45	
36	P29956	2	Hyd Hose, 1/4in	
37	P30584	1	Hyd Hose, 1/4in	

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FIGURE 7-20. FRAME TILT AND REAR OSCILLATION LOCK HYDRAULIC CIRCUIT (1044C-54,10K-54)
(1044C-54 SN 975 to Present; 10K-54 SN 135 to Present)



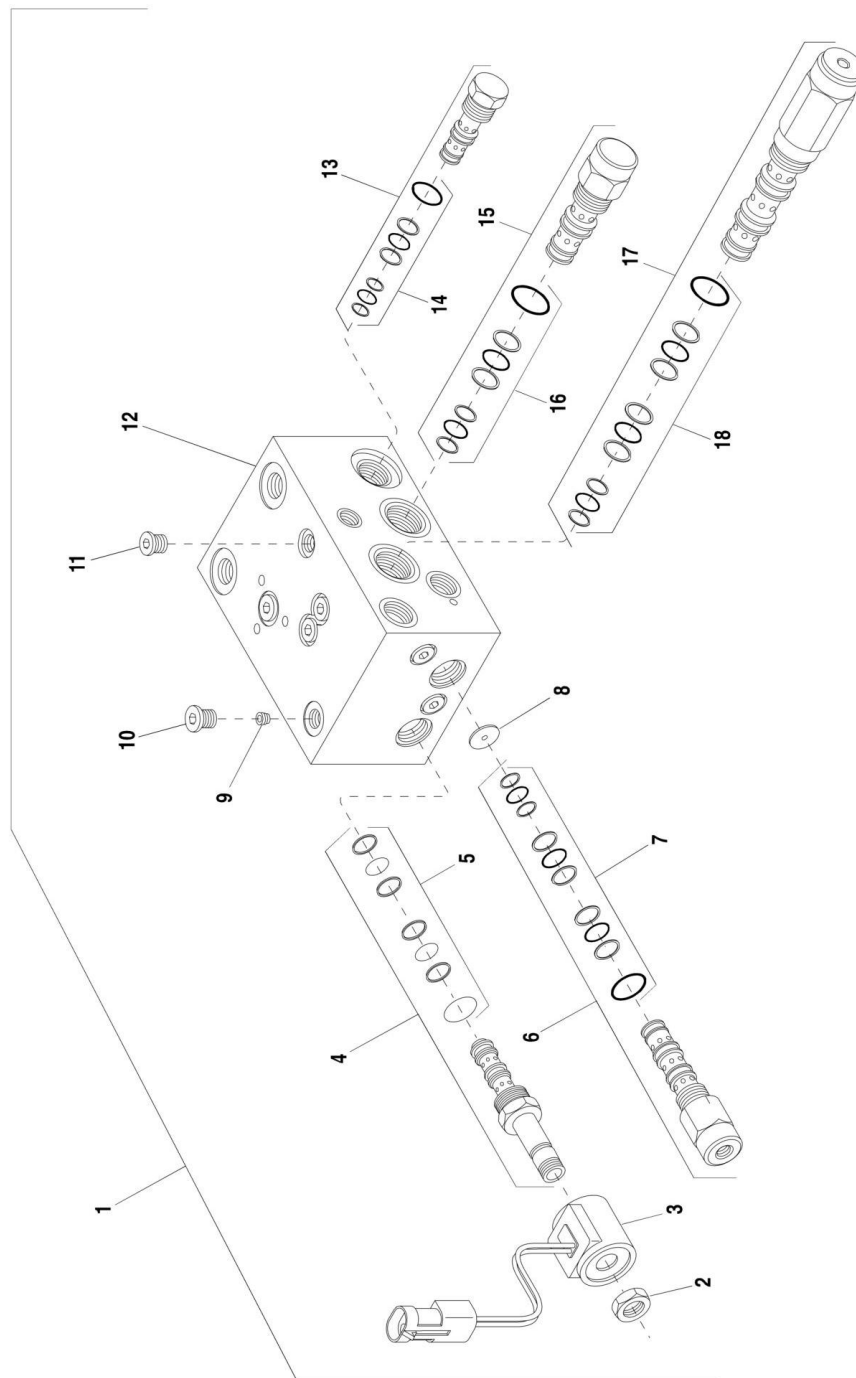
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**FIGURE 7-20. FRAME TILT AND REAR OSCILLATION LOCK HYDRAULIC CIRCUIT (1044C-54,10K-54)
(1044C-54 SN 975 to Present; 10K-54 SN 135 to Present)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1		Ref	Cylinder, Frame Tilt (See FRAME TILT CYLINDER ASSEMBLY for Breakdown)	
2	P29947	2	Cartridge, Counterbalance Valve	
2	2900770	1	Seal Kit	
3	P19415	2	Connector, O-Ring	
4	P01508	1	Nut, Hx, 3/8in-16	
5	P01310	1	Lockwasher, 3/8in	
6	37368X	1	Clamp, Hose (Replaces P17553)	
7	37516X	1	Hyd Hose, 1/4in	
8	66706X	1	Hyd Hose, 1/4in	
9	P25697	2	Connector, O-Ring	
10	P18935	3	90, Elbow, O-Ring	
11	P18936	1	Connector, O-Ring	
12	37537X	1	Hyd Hose, 1/4in	
13	P29156	1	Hyd Hose, 1/4in	
14	P19248	3	90, Elbow, O-Ring	
15	P18960	1	Connector, O-Ring	
16	66716X	1	Hyd Hose, 1/4in	
17	P26604	1	Tee, Run O-Ring	
18	66708X	1	Hyd Hose, 1/4in	
19	37610X	2	Hyd Hose, 1/4in	
20	P24612	2	Connector, O-Ring	
21		Ref	Control Valve, (See FRAME TILT CONTROL VALVE ASSEMBLY for Breakdown)	
22	P03196	2	Capscrew, Button Hd Socket, 1/4in-20 x 3/4in	
23	P01357	2	Starwasher, 1/4in External	
24	P25687	1	Tee, Branch O-Ring	
25	37613X	1	Hyd Hose, 1/2in	
26	P23848	2	Check Valve	
27	1100963	1	Filter, Inline (See INLINE FLITER ASSEMBLY for Breakdown)	
28	8760142	1	Connector, Swivel	
29	10718944	1	Adapter, Str	
30	37615X	1	Hyd Hose, 3/8in	
31	37614X	1	Hyd Hose, 1/4in	
32	P18935	1	90, Elbow, O-Ring	
33	P29013	2	90, Elbow, O-Ring (Long)	
34	P00442	3	Capscrew, Hx, 1/2in-13 x 4 1/2in GR 8	
35	P01406	3	Faltwasher, 1/2in	
36	66194C	1	Control Block, Rear Oscillation Lock (See OSCILLATION CONTROL BLOCK ASSEMBLY for Breakdown)	
37		Ref	Cylinder, Rear Oscillation Lock (See REAR OSCILLATION LOCK CYLINDER ASSEMBLY for Breakdown)	
38	P21619	3	Connector, O-Ring, 45	
39	P29956	2	Hyd Hose, 1/4in	
40	P30584	1	Hyd Hose, 1/4in	

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FIGURE 7-21. REAR AXLE STABILIZER CONTROL VALVE ASSEMBLY (644B-37 SN 667 through 1289, SN 1293 through 1303, Including 591; 644B-42 SN 208 through 362, Except SN 342 through 343; 844C-42 SN 622 through 1352, Except SN 1341 through 1342, Excluding 1199, 1255, 1310 and 1330; 1044C-42 SN 117 through 126; 1044C-54 SN 155 through 313, Except SN 305 through 306, Excluding 287 and 291; 6K-37 SN 318 through 494; 6K-42 SN 120 through 178; 8K-42 SN 221 through 333, Excluding 328 and 331; 10K-42 SN 107 through 108; 10K-54 SN 104 through 113)



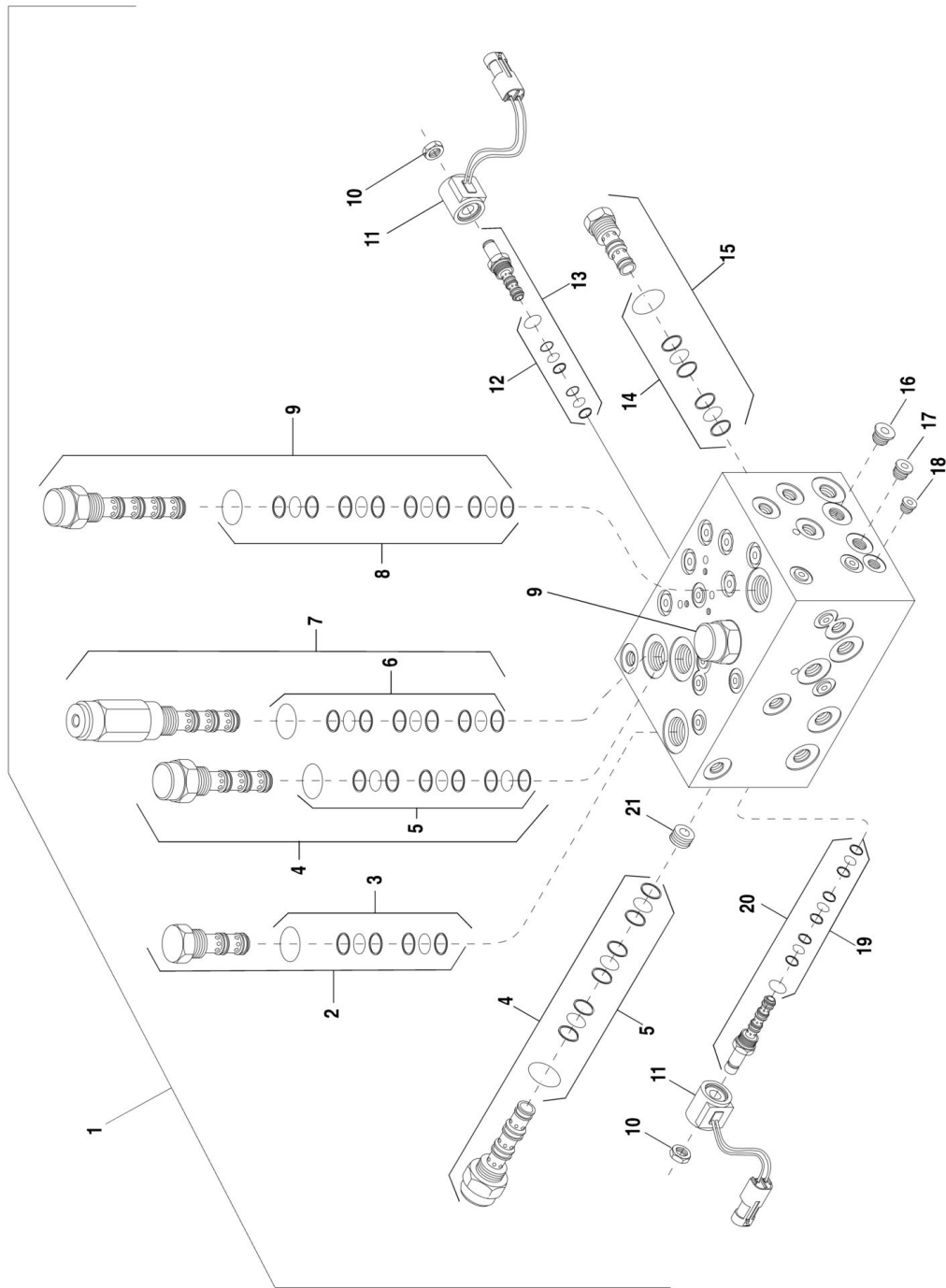
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FIGURE 7-21. REAR AXLE STABILIZER CONTROL VALVE ASSEMBLY (644B-37 SN 667 through 1289, SN 1293 through 1303, Including 591; 644B-42 SN 208 through 362, Except SN 342 through 343; 844C-42 SN 622 through 1352, Except SN 1341 through 1342, Excluding 1199, 1255, 1310 and 1330; 1044C-42 SN 117 through 126; 1044C-54 SN 155 through 313, Except SN 305 through 306, Excluding 287 and 291; 6K-37 SN 318 through 494; 6K-42 SN 120 through 178; 8K-42 SN 221 through 333, Excluding 328 and 331; 10K-42 SN 107 through 108; 10K-54 SN 104 through 113)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	39948B	1	Control Valve, Rear Oscillation	
2	P40662	1	Nut	
3	38329A	1	Coil	
4	37352X	1	Solenoid Valve	
5	37355X	1	Seal Kit	
6	37578X	1	Cartridge Valve, Piloted (3-Way)	
7	37013X	1	Seal Kit	
8	37010X	1	Orifice Disc	
9	37579X	2	Orifice Plug	
10	P27933	2	O-Ring Plug, Hollow Hex	
11	P27931	7	O-Ring Plug, Hollow Hex	
12	N.S.S.	1	Body	
13	37580X	1	Cartridge Valve, Shuttle	
14	37014X	1	Seal Kit	
15	37577X	1	Cartridge Valve, Piloted (2-Way)	
16	37012X	1	Seal Kit	
17	37575X	1	Cartridge Valve, Sequence (Use with Wet Disc)	
17	37576X	-	Cartridge Valve, Sequence (Use with Dry Disc)	
18	37011X	1	Seal Kit	
		Ref	N.S.S. = Not Sold Separately	

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FIGURE 7-22. REAR AXLE STABILIZER CONTROL VALVE ASSEMBLY (644B-37 SN 1290 through 1292, SN 1304 to Present; 644B-42 SN 342 through 343, SN 363 to Present; 844C-42 SN 1341 through 1342, SN 1353 to Present, Including 1199, 1255, 1255, 1310 and 1330; 1044C-42 SN 127 to Present; 1044C-54 SN 305 through 306, SN 314 to Present, Including 287 and 291; 6K-37 SN 495 to Present; 6K-42 SN 179 to Present; 8K-42 SN 334 to Present, Including 328 and 331; 10K-42 SN 109 to Present; 10K-54 SN 114 to Present)



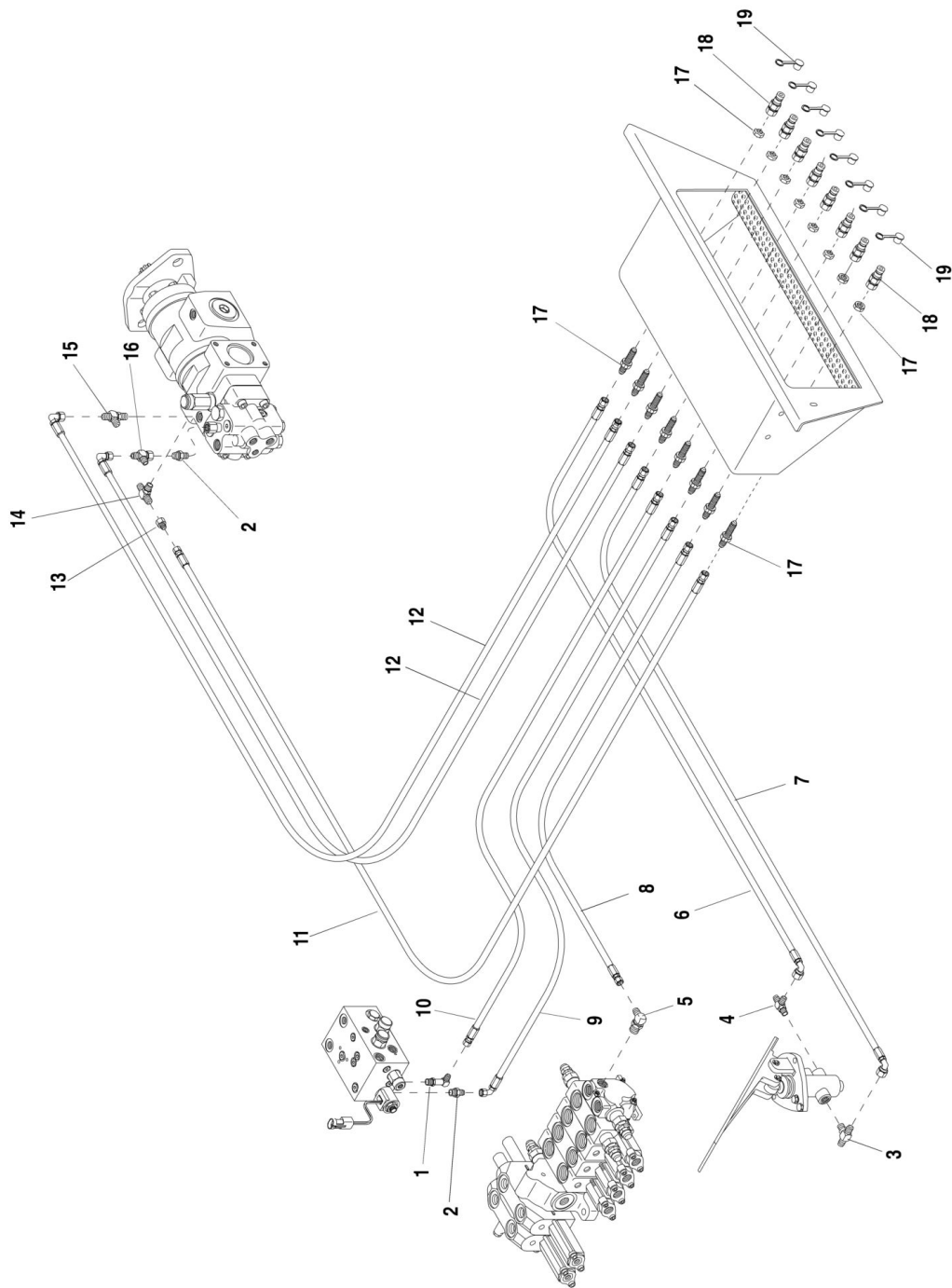
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FIGURE 7-22. REAR AXLE STABILIZER CONTROL VALVE ASSEMBLY (644B-37 SN 1290 through 1292, SN 1304 to Present; 644B-42 SN 342 through 343, SN 363 to Present; 844C-42 SN 1341 through 1342, SN 1353 to Present, Including 1199, 1255, 1255, 1310 and 1330; 1044C-42 SN 127 to Present; 1044C-54 SN 305 through 306, SN 314 to Present, Including 287 and 291; 6K-37 SN 495 to Present; 6K-42 SN 179 to Present; 8K-42 SN 334 to Present, Including 328 and 331; 10K-42 SN 109 to Present; 10K-54 SN 114 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	66195C	1	Control Valve, Rear Axle	
2	67163X	1	Cartridge Valve (PC 3)	
3	1100034	1	Seal Kit for Item 2	
4	67164X	2	Cartridge Valve, Piloted (3-Way) (PD 1&4)	
5	37005X	1	Seal Kit for Item 4	
6	37011X	1	Seal Kit for Item 7	
7	37575X	1	Cartridge Valve, Sequence (Use with Wet Disc)	
7	37576X	-	Cartridge Valve, Sequence (Use with Dry Disc)	
8	1100035	1	Seal Kit for Item 9	
9	67162X	2	Cartridge Valve, Piloted (2-Way) (PD 2&3)	
10	P40662	1	Nut	
11	38329A	1	Coil	
12	37355X	1	Seal Kit for Item 13	
13	37352X	1	Solenoid Valve (SV 2) (2 Position - 3 way)	
14	37014X	1	Seal Kit for Item 15	
15	37580X	1	Cartridge Valve, Shuttle (S 1&2)	
16	P27935	1	O-Ring Plug, Hollow Hex, #6	
17	P27933	1	O-Ring Plug, Hollow Hex, #4	
18	P27931	28	O-Ring Plug, Hollow Hex, #2	
19	68902X	1	Seal Kit for Item 20	
20	67165X	1	Solenoid Valve (SV 1) (2 Position - 4 way)	
21	37010X	1	Orifice Disc, .040in	
		Ref	N.S.S. = Not Sold Separately	

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FIGURE 7-23. TEST PORT HYDRAULICS ASSEMBLY (644B-37 SN 667 through 1289, SN 1293 through 1303, Including 591; 644B-42 SN 208 through 341, SN 344 through 362; 844C-42 SN 622 through 1352, Except SN 1341 through 1342, Excluding 1199, 1255, 1310 and 1330; 1044C-42 SN 117 through 126; 1044C-54 SN 155 through 313, Except SN 305 through 306, Excluding 287 and 291; 6K-37 SN 318 through 494; 6K-42 SN 120 through 178; 8K-42 SN 221 through 327, SN 329 through 330, SN 332 through 333; 10K-42 SN 107 through 108; 10K-54 SN 104 through 113)



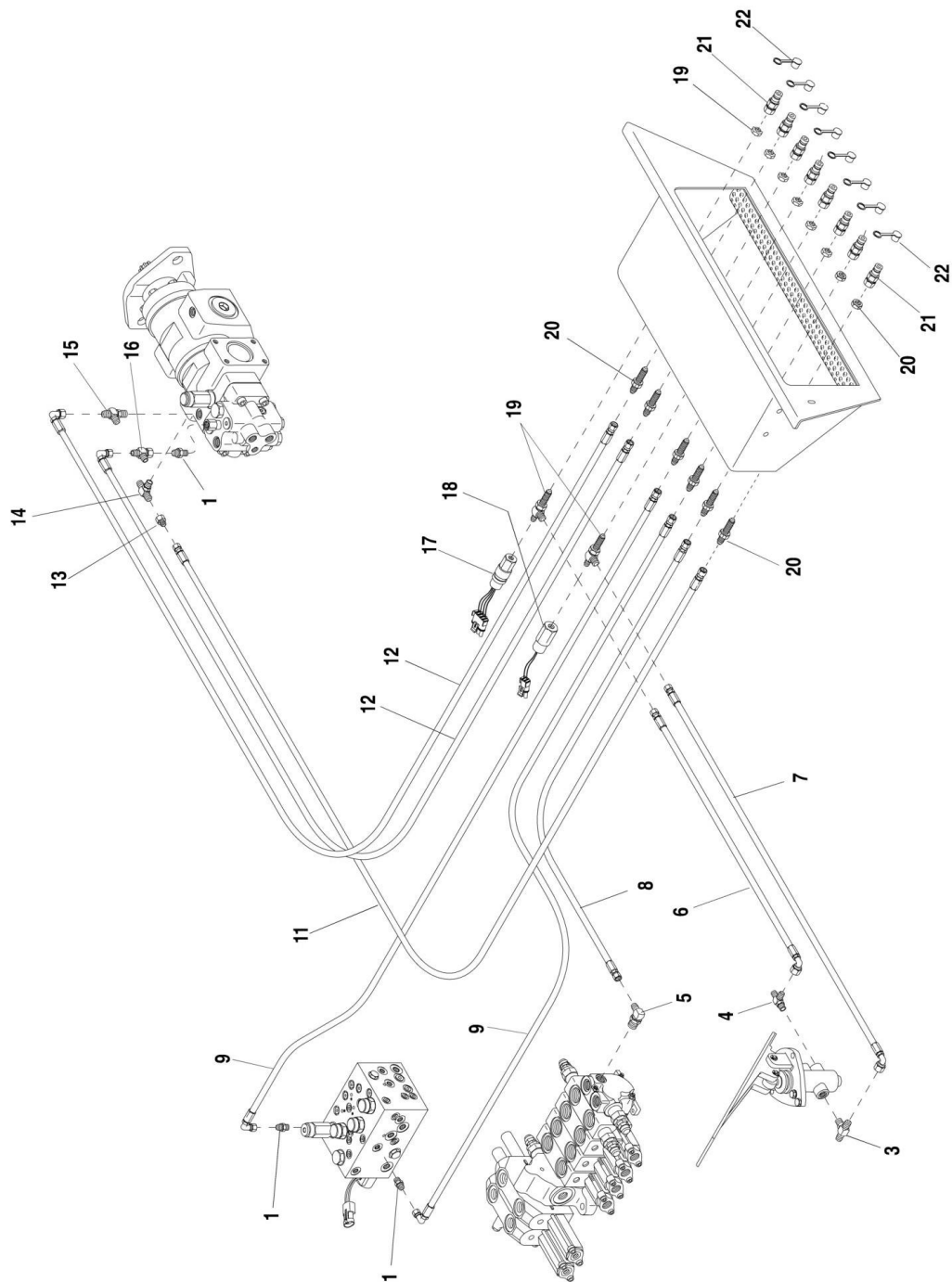
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FIGURE 7-23. TEST PORT HYDRAULICS ASSEMBLY (644B-37 SN 667 through 1289, SN 1293 through 1303, Including 591; 644B-42 SN 208 through 341, SN 344 through 362; 844C-42 SN 622 through 1352, Except SN 1341 through 1342, Excluding 1199, 1255, 1310 and 1330; 1044C-42 SN 117 through 126; 1044C-54 SN 155 through 313, Except SN 305 through 306, Excluding 287 and 291; 6K-37 SN 318 through 494; 6K-42 SN 120 through 178; 8K-42 SN 221 through 327, SN 329 through 330, SN 332 through 333; 10K-42 SN 107 through 108; 10K-54 SN 104 through 113)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P33166	1	90, Elbow, O-Ring (Long)	
2	P18960	2	Connector, O-Ring	
3	P18958	1	Tee, Branch O-Ring	
4	P21914	1	Tee, Run O-Ring	
5	P24609	1	90, Elbow, O-Ring	
6	37620X	1	Hyd Hose, 1/4in	
7	37509X	1	Hyd Hose, 1/4in	
8	37616X	1	Hyd Hose, 1/4in	
9	P27151	1	Hyd Hose, 1/4in	
10	37618X	1	Hyd Hose, 1/4in	
11	37510X	1	Hyd Hose, 1/4in	
12	37619X	2	Hyd Hose, 1/4in	
13	P26607	1	Reducer Adapter, JIC	
14	P25687	1	Tee, Branch O-Ring	
15	P26604	1	Tee, Run O-Ring	
16	P27399	1	Tee, Swivel Run	
17	P24656	8	Connector, Bulkhead (Note: Use P28496 For the Following Machines: 644B-37 S/N 101 through 809; 644B-42 S/N 101 through 234; 844C-42 S/N 101 through 744; 1044C-42 S/N 101 through 120; 1044C-54 S/N 101 through 197; 6K-37 S/N 101 through 369; 6K-42 S/N 101 through 131; 8K-42 S/N 101 through 120; 10K-42 S/N 101 through 107; 10K-54 S/N 101 through 107)	
18	P27374	8	End Tube, Nipple (Note: Use P28496 For the Following Machines: 644B-37 S/N 101 through 809; 644B-42 S/N 101 through 234; 844C-42 S/N 101 through 744; 1044C-42 S/N 101 through 120; 1044C-54 S/N 101 through 197; 6K-37 S/N 101 through 369; 6K-42 S/N 101 through 131; 8K-42 S/N 101 through 120; 10K-42 S/N 101 through 107; 10K-54 S/N 101 through 107)	
19	P27805	8	Dust Cap	

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FIGURE 7-24. TEST PORT HYDRAULICS ASSEMBLY (644B-37 SN 1290 through 1292, SN 1304 to Present; 644B-42 SN 342 through 343, SN 363 to Present; 844C-42 SN 1341 through 1342, SN 1353 to Present, Including 1199, 1255, 1310 and 1330; 1044C-42 SN 127 to Present; 1044C-54 SN 305 through 306, SN 314 to Present, Including 287 and 291; 6K-37 SN 495 to Present; 6K-42 SN 179 to Present; 8K-42 SN 334 to Present, Including 328 and 331; 10K-42 SN 109 to Present; 10K-54 SN 114 to Present)



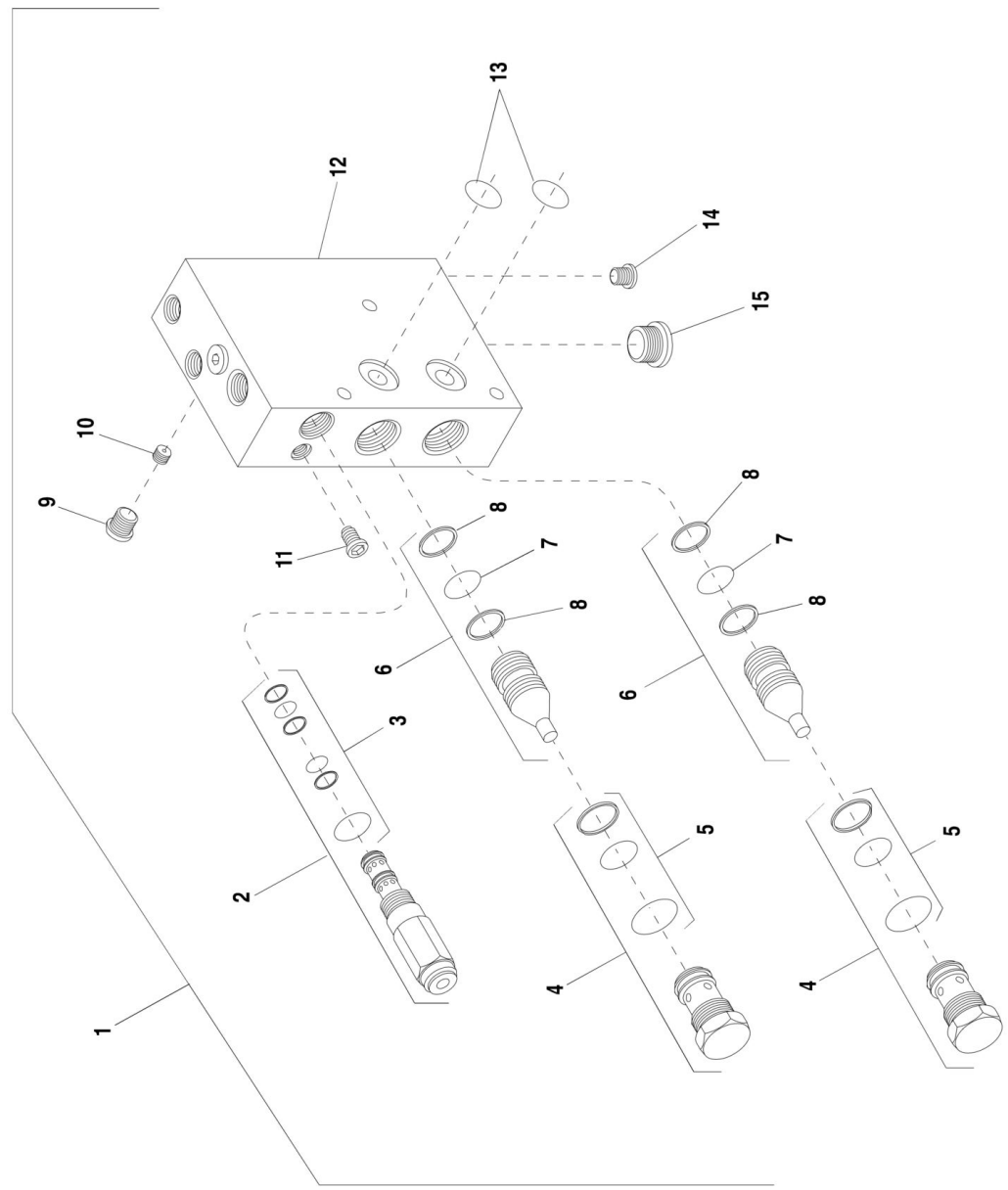
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FIGURE 7-24. TEST PORT HYDRAULICS ASSEMBLY (644B-37 SN 1290 through 1292, SN 1304 to Present; 644B-42 SN 342 through 343, SN 363 to Present; 844C-42 SN 1341 through 1342, SN 1353 to Present, Including 1199, 1255, 1310 and 1330; 1044C-42 SN 127 to Present; 1044C-54 SN 305 through 306, SN 314 to Present, Including 287 and 291; 6K-37 SN 495 to Present; 6K-42 SN 179 to Present; 8K-42 SN 334 to Present, Including 328 and 331; 10K-42 SN 109 to Present; 10K-54 SN 114 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P18960	1	Connector, O-Ring	
2	P18935	1	90, Elbow, O-Ring	
3	P18958	1	Tee, Branch O-Ring	
4	P21914	1	Tee, Run O-Ring	
5	P24609	1	90, Elbow, O-Ring	
6	37821X	1	Hyd Hose, 1/4in	
7	37173X	1	Hyd Hose, 1/4in	
8	P25239	1	Hyd Hose, 1/4in	
9	P27151	2	Hyd Hose, 1/4in	
10	37618X	1	Hyd Hose, 1/4in	
11	37166X	1	Hyd Hose, 1/4in	
12	37619X	2	Hyd Hose, 1/4in	
13	P26605	1	Reducer Adapter, JIC	
14	P25687	1	Tee, Branch O-Ring	
15	P26604	1	Tee, Run O-Ring	
16	P27399	1	Tee, Swivel Run	
17	66680A	1	Switch, Pressure - D.P.S.T Normally Closed, Low Brake Pressure (850 psi) Wet Disc Brakes	
17	67065A	-	Switch, Pressure - D.P.S.T Normally Closed, Low Brake Pressure (1800 psi) Dry Disc Brakes	
18	66679A	1	Switch, Pressure - S.P.S.T Normally Open, Service Brake (250 psi) Wet Disc Brakes (Note: Use 67062A for Machines with Wet Disc Brakes and Roadway Lights)	
18	67063A	-	Switch, Pressure - S.P.S.T Normally Open, Service Brake (1000 psi) Dry Disc Brakes (Note: Use 67064A for Machines with Dry Disc Brakes and Roadway Lights)	
19	P28823	2	Connector, Bulkhead, Tee	
20	P24656	8	Connector, Bulkhead	
21	P27374	8	End Tube, Nipple	
22	P27805	8	Dust Cap	

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FIGURE 7-25. OSCILLATION CONTROL BLOCK ASSEMBLY (644B-37 SN 667 through 1289, SN 1293 through 1303, Including 591; 644B-42 SN 208 through 341, SN 344 through 362; 844C-42 SN 622 through 1352, Except SN 1341 through 1342, Excluding 1199, 1255, 1310 and 1330; 1044C-42 SN 117 through 126; 1044C-54 SN 155 through 313, Except SN 305 through 306, Excluding 287 and 291; 6K-37 SN 318 through 494; 6K-42 SN 120 through 178; 8K-42 SN 221 through 333, Excluding 328 and 331; 10K-42 SN 107 through 108; 10K-54 SN 104 through 113)



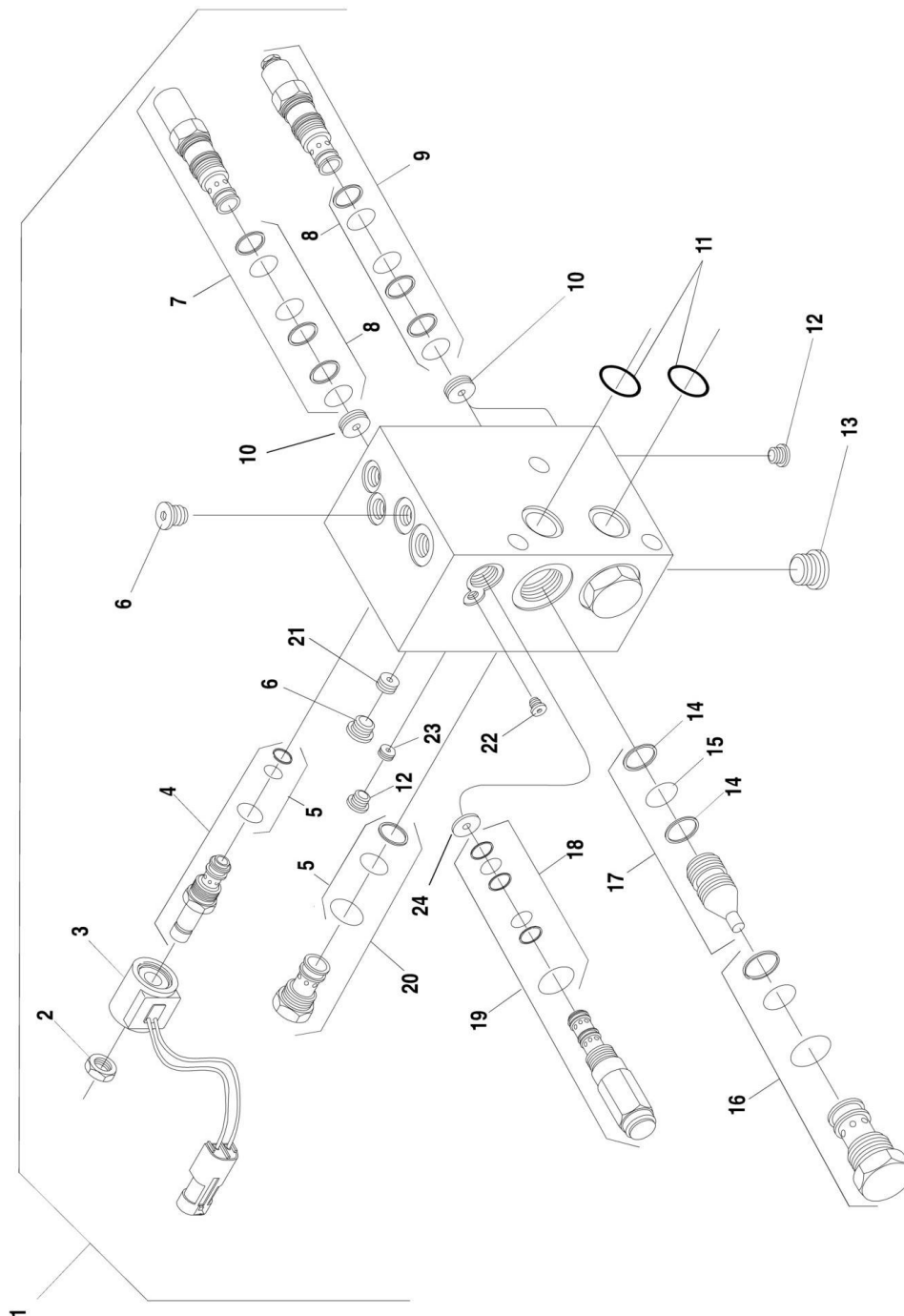
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FIGURE 7-25. OSCILLATION CONTROL BLOCK ASSEMBLY (644B-37 SN 667 through 1289, SN 1293 through 1303, Including 591; 644B-42 SN 208 through 341, SN 344 through 362; 844C-42 SN 622 through 1352, Except SN 1341 through 1342, Excluding 1199, 1255, 1310 and 1330; 1044C-42 SN 117 through 126; 1044C-54 SN 155 through 313, Except SN 305 through 306, Excluding 287 and 291; 6K-37 SN 318 through 494; 6K-42 SN 120 through 178; 8K-42 SN 221 through 333, Excluding 328 and 331; 10K-42 SN 107 through 108; 10K-54 SN 104 through 113)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	39950C	1	Oscillation Control Block Assembly	
2	37353X	1	Cartridge, Pressure Reducing Valve	
3	7021632	1	Seal Kit	
4	37354X	2	Cartridge, Check Valve	
5	37357X	1	Seal Kit	
6	37360X	2	Piston Assembly	
7	37359X	1	O-Ring	
8	37358X	2	Backup Ring	
9	P27935	2	O-Ring Plug, Hollow Hex	
10	37361X	1	Orifice Plug	
11	P27931	1	O-Ring Plug, Hollow Hex	
12	N.S.S.	1	Body	
13	P10547	2	O-Ring	
14	P27933	1	O-Ring Plug, Hollow Hex	
15	P27937	1	O-Ring Plug, Hollow Hex	
		Ref	N.S.S. = Not Sold Separately	

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FIGURE 7-26. OSCILLATION CONTROL BLOCK ASSEMBLY (644B-37 SN 1290 through 1292, SN 1304 to Present; 644B-42 SN 342 through 343, SN 363 to Present; 844C-42 SN 1341 through 1342, SN 1353 to Present, Including 1199, 1255, 1310 and 1330; 1044C-42 SN 127 to Present; 1044C-54 SN 305 through 306, SN 314 to Present, Including 287 and 291; 6K-37 SN 495 to Present; 6K-42 SN 179 to Present; 8K-42 SN 334 to Present, Including 328 and 331; 10K-42 SN 109 to Present; 10K-54 SN 114 to Present)



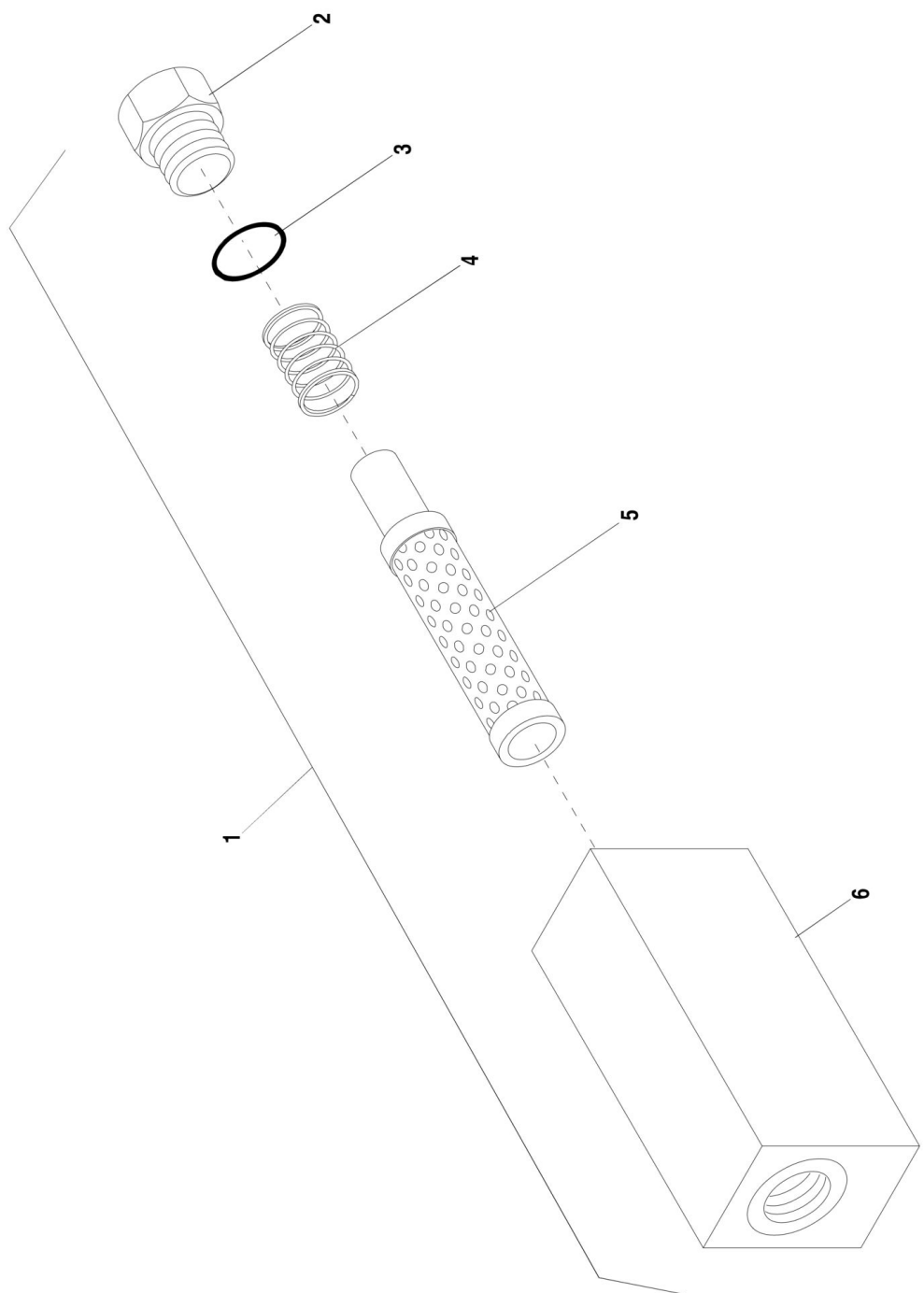
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FIGURE 7-26. OSCILLATION CONTROL BLOCK ASSEMBLY (644B-37 SN 1290 through 1292, SN 1304 to Present; 644B-42 SN 342 through 343, SN 363 to Present; 844C-42 SN 1341 through 1342, SN 1353 to Present, Including 1199, 1255, 1310 and 1330; 1044C-42 SN 127 to Present; 1044C-54 SN 305 through 306, SN 314 to Present, Including 287 and 291; 6K-37 SN 495 to Present; 6K-42 SN 179 to Present; 8K-42 SN 334 to Present, Including 328 and 331; 10K-42 SN 109 to Present; 10K-54 SN 114 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	66194C	1	Stabilizer Valve, Rear Axle	
2	7022390	1	Nut	
3	38329A	1	Coil	
4	67167X	1	Solenoid Valve	
5	7012998	1	Seal Kit	
6	P27935	2	O-Ring Plug, Hollow Hex, #6	
7	67168X	1	Cartridge, Counter balance Valve	
8	2900770	3	Seal Kit	
9	67169X	2	Valve, PO Check	
10	67170X	3	Orifice Plug .040in	
11	P10547	2	O-Ring	
12	P27933	2	O-Ring Plug, Hollow Hex, #4	
13	P27937	1	O-Ring Plug, Hollow Hex, #10	
14	37358X	2	Backup Ring	
15	37359X	1	O-Ring	
16	37354X	2	Cartridge, Check Valve	
17	37360X	2	Piston Assembly	
18	7021632	1	Seal Kit	
19	37353X	1	Cartridge, Pressure Reducing Valve	
20	67166X	2	Check Valve	
21	37361X	1	Orifice Plug .030in	
22	P27931	1	O-Ring Plug, Hollow Hex, #2	
23	67171X	1	Orifice Plug .080in	
24	1102025	1	Orifice Disc .130in	
		Ref	N.S.S. = Not Sold Separately	

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FIGURE 7-27. INLINE FILTER ASSEMBLY (1044C-42,1044C-54,10K-42,10K-54,644B-42,6K-42,844C-42,8K-42) (644B-42 SN 1295 to Present; 844C-42 SN 3372 to Present; 1044C-42 SN 127 to Present; 1044C-54 SN 975 to Present; 6K-42 SN 227 to Present; 8K-42 SN 469 to Present; 10K-42 SN 115 to Present; 10K-54 SN 1135 to Present)



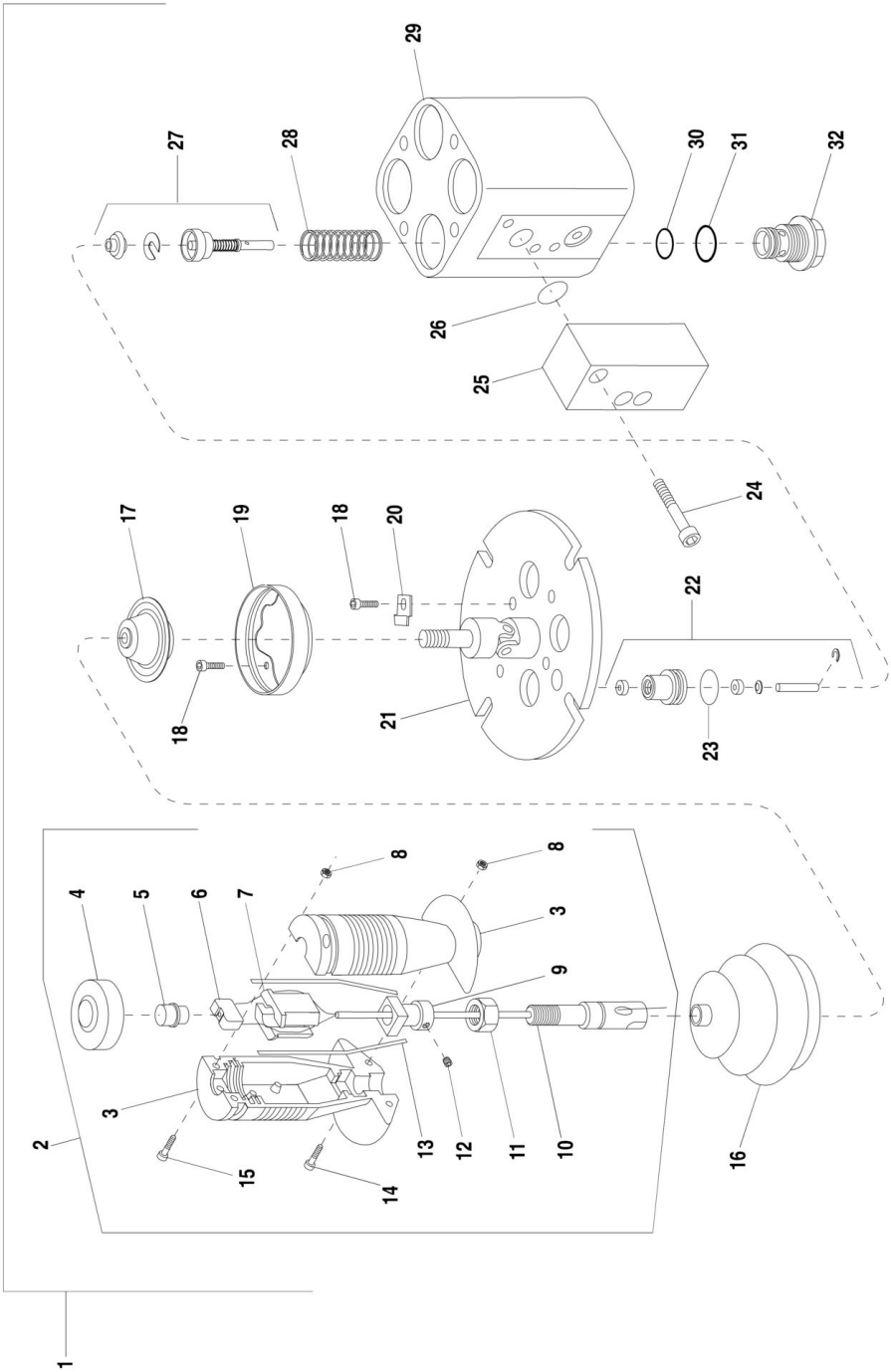
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FIGURE 7-27. INLINE FILTER ASSEMBLY (1044C-42,1044C-54,10K-42,10K-54,644B-42,6K-42,844C-42,8K-42) (644B-42 SN 1295 to Present; 844C-42 SN 3372 to Present; 1044C-42 SN 127 to Present; 1044C-54 SN 975 to Present; 6K-42 SN 227 to Present; 8K-42 SN 469 to Present; 10K-42 SN 115 to Present; 10K-54 SN 1135 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1100963	-	Filter Assembly, Inline	
2	1100988	1	Plug, Hex, Spring Guide	
3	10728957	1	O-Ring, SAE #12	
4	1100989	1	Spring, Bypass, 50 P.S.I.	
5	1100987	1	Filter Element	
6	N.N.S.	1	Body, Filter	
		Ref	N.S.S. = Not Sold Separately	

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FIGURE 7-28. JOYSTICK CONTROL VALVE ASSEMBLY (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)



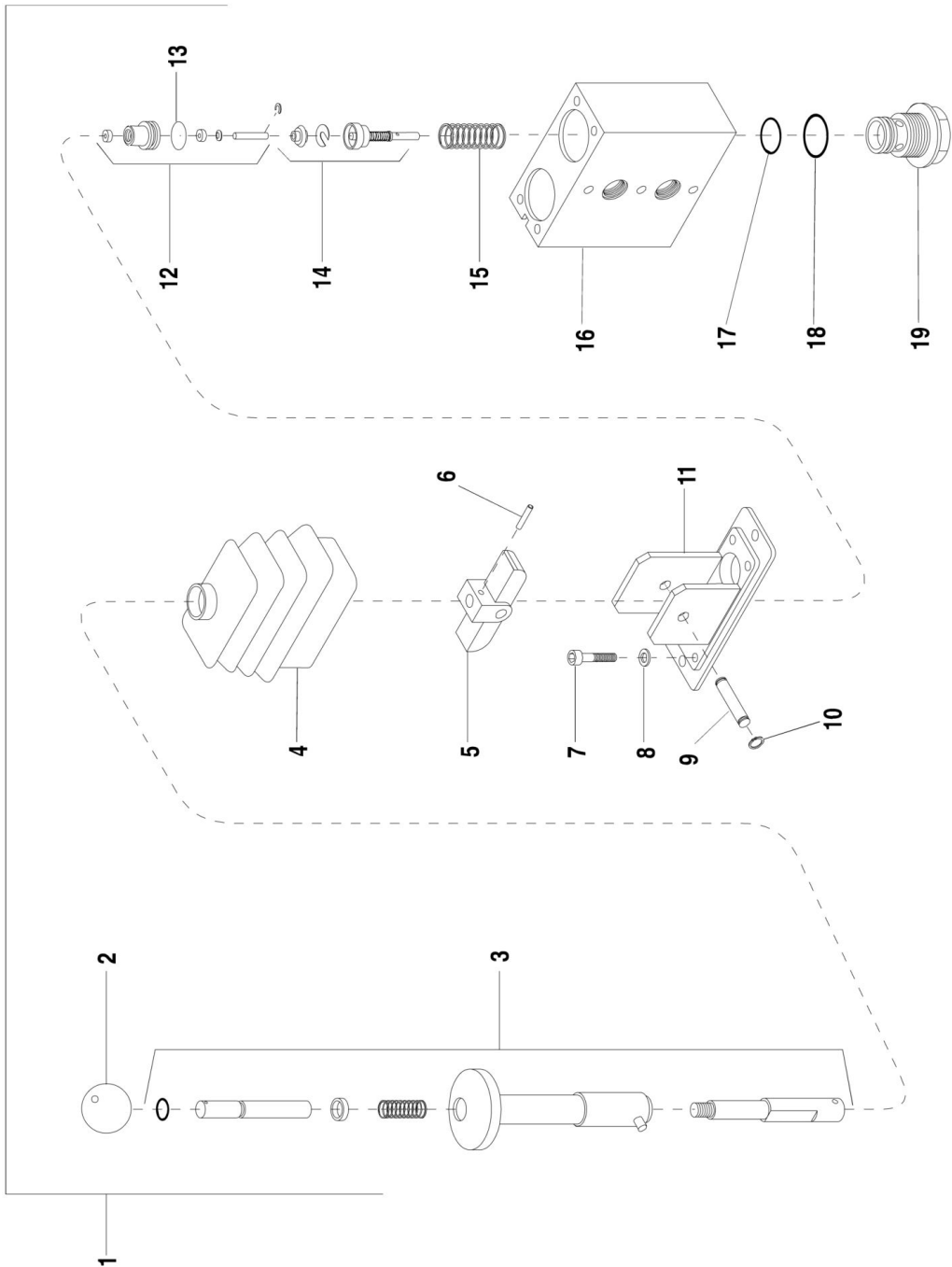
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FIGURE 7-28. JOYSTICK CONTROL VALVE ASSEMBLY (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P31406	1	Joystick Control Valve	
2	P32693	1	Handle Assembly (Includes Items 3-15)	
3	P33095	2	Handle, Half	
4	P31489	1	Cap	
5	P32206	1	Button, Push	
6	P31598	1	Switch	
7	N.S.S.	2	Guide	
8	P31481	4	Nut, Hex, M3	
9	N.S.S.	1	Lever Joint	
10	N.S.S.	1	Stem	
11	P31483	1	Jamnut, Hx, M10 x 1.0	
12	P31482	1	Setscrew, M4 x 4	
13	N.S.S.	2	Seal	
14	P31488	2	Capscrew, Socket Hd, M3 x 10	
15	P31486	2	Capscrew, Socket Hd, M3 x 16	
16	P31477	1	Boot	
17	P33094	1	Cam	
18	P31472	6	Capscrew, Socket Hd	
19	P32204	1	Retainer	
20	P32205	4	Clip	
21	P31473	1	Flange	
22	P31462	4	Guide Assembly	
23	N.S.S.	1	O-Ring (Note: Available in Seal Kit P32578)	
24	P31475	3	Capscrew, Socket Hd	
25	P32203	1	Manifold	
26	N.S.S.	1	O-Ring (Note: Available in Seal Kit P32578)	
27	P32201	4	Spring Pack	
28	P31474	4	Spring	
29	N.S.S.	1	Body	
30	N.S.S.	4	O-Ring (Note: Available in Seal Kit P32578)	
31	N.S.S.	4	O-Ring (Note: Available in Seal Kit P32578)	
32	P32202	4	Ported Guide	
Ref	66255A	1	Hardware Kit, Joystick Handle (Supersedes P31487) (Includes items 8, 11, 12, 14, 15)	
Ref	P32578	1	Seal Kit (Includes Items 23, 26, 30, 31)	
		Ref	N.S.S. = Not Sold Separately	

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FIGURE 7-29. FRAME TILT CONTROL VALVE ASSEMBLY (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 1044C-54 SN 101 through 303; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 through 113)



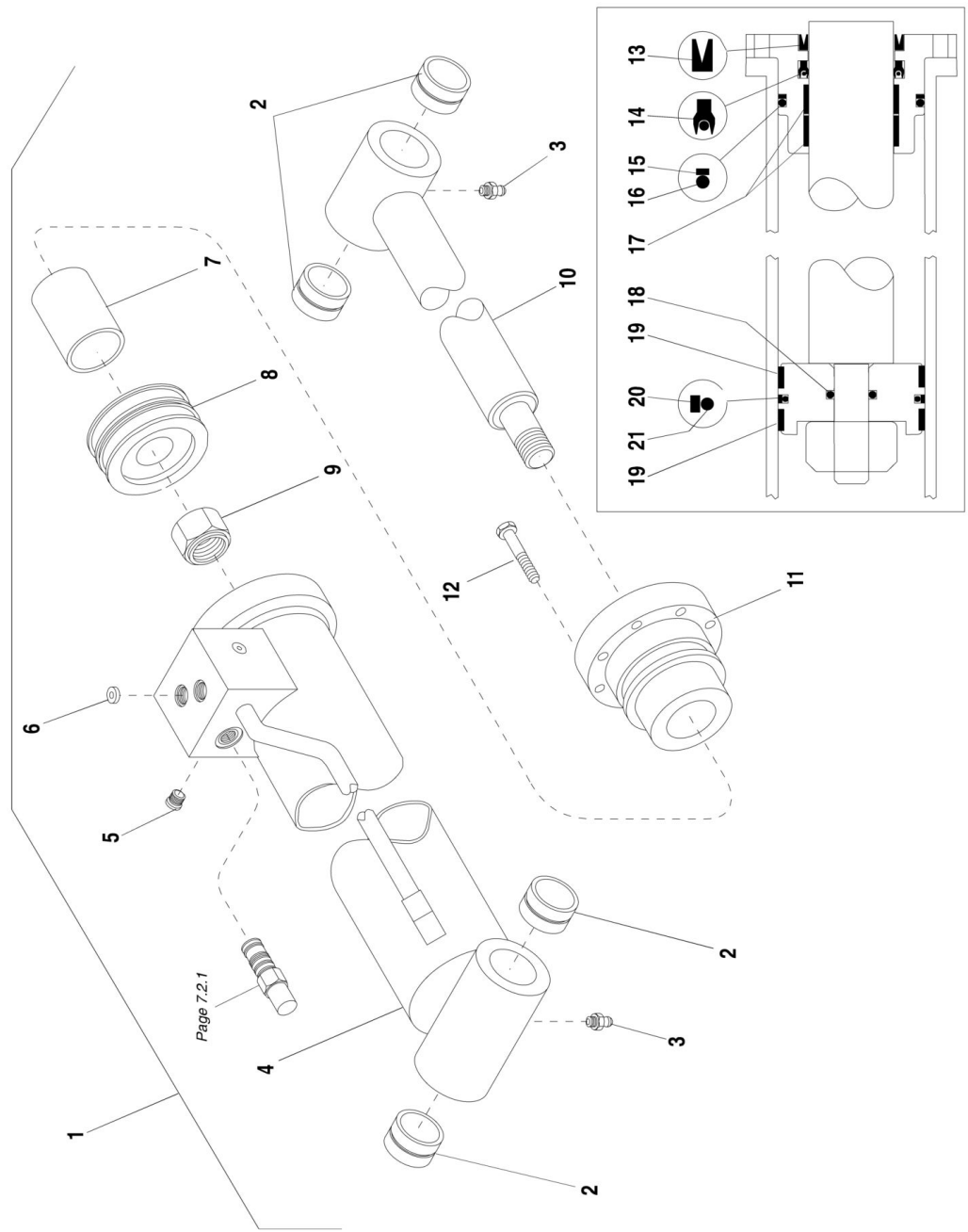
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FIGURE 7-29. FRAME TILT CONTROL VALVE ASSEMBLY (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 1044C-54 SN 101 through 303; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 through 113)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P31407	1	Frame Tilt Control Valve Assembly	
2	P32543	1	Knob	
3	P32545	1	Lever Assembly	
4	P32544	1	Boot, Rubber	
5	P32546	1	Cam (Includes Item 6)	
6	P32547	1	Pin	
7	P32548	4	Capscrew	
8	P32549	4	Washer	
9	P31463	1	Pivot Pin (Includes Item 10)	
10	P31464	2	Circlip	
11	N.S.S.	1	Flange	
12	P31462	2	Guide Assembly	
13	N.S.S.	1	O-Ring	
14	P32201	2	Spring Pack	
15	P32215	1	Spring	
16	N.S.S.	1	Body	
17	N.S.S.	2	O-Ring	
18	N.S.S.	2	O-Ring	
19	P32202	2	Ported Guide	
Ref	P33168	1	Seal Kit (Includes Items 13, 17, 18)	
		Ref	N.S.S. = Not Sold Separately	

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FIGURE 7-30. FRAME TILT CYLINDER ASSEMBLY (644B-37,6K-37,844C-42,8K-42) (644B-37 SN 101 through 170; 844C-42 SN 101 through 164; 6K-37 SN 101 through 144; 8K-42 SN 101 through 124)



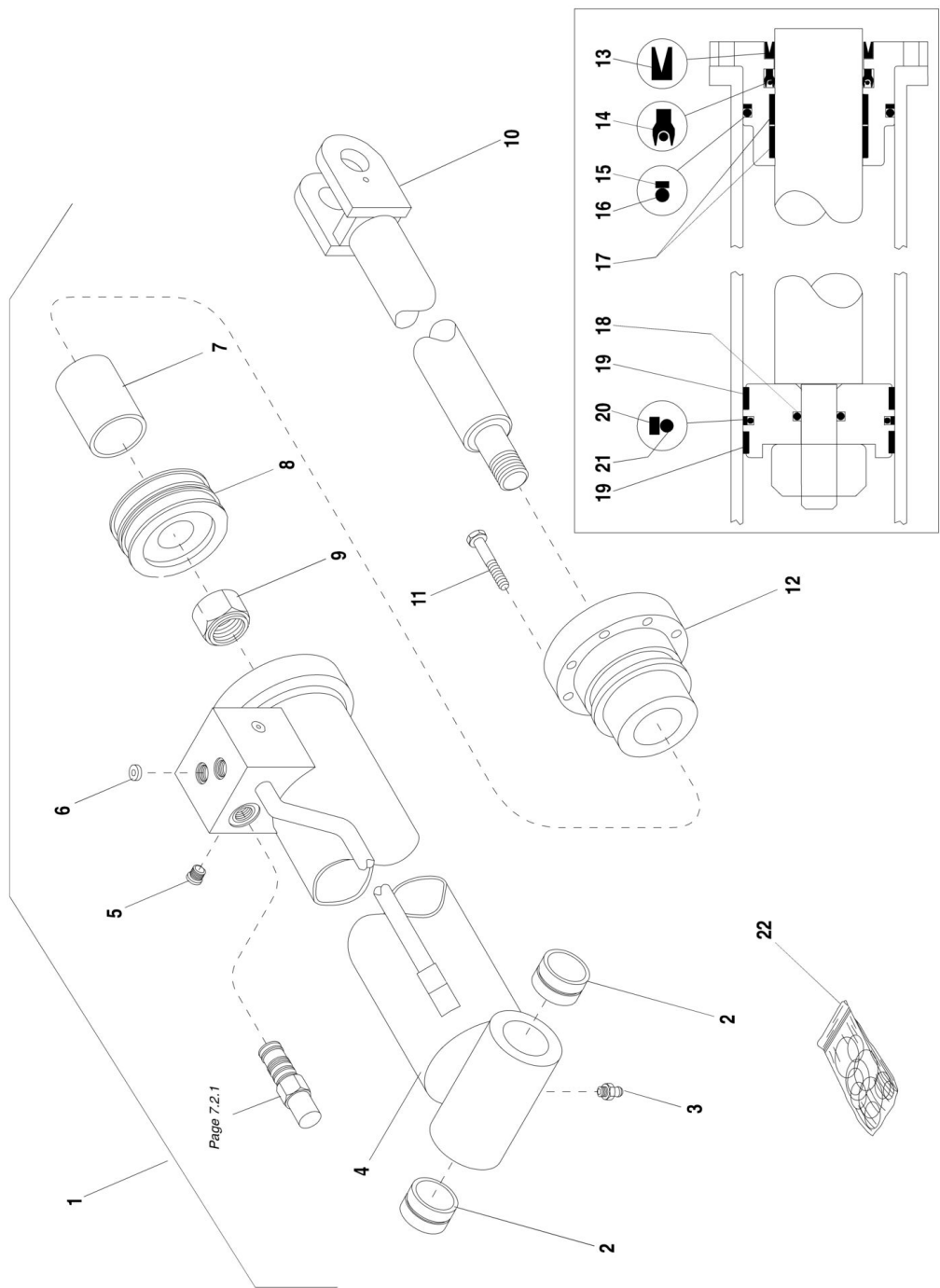
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FIGURE 7-30. FRAME TILT CYLINDER ASSEMBLY (644B-37,6K-37,844C-42,8K-42) (644B-37 SN 101 through 170; 844C-42 SN 101 through 164; 6K-37 SN 101 through 144; 8K-42 SN 101 through 124)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	34813B	-	Cylinder Assembly, Frame Tilt	
2	P19106	4	Bushing	
3	P16611	2	Grease Fitting	
4	P30615	1	Barrel Weldment	
5	P27933	2	O-Ring Plug, Hollow Hex	
6	P30546	2	Orifice Plug	
7	P30689	1	Stroke Limiter	
8	P29878	1	Piston	
9	P40460	1	Nut, Crownlock	
10	P30638	1	Rod Weldment	
11	P30674	1	Head, Rod Bearing	
12	P00481	8	Capscrew, Hx, 1/2in-20 x 1 1/2in GR 8	
13	N.S.S	1	Wiper	
14	N.S.S	1	Seal	
15	N.S.S	2	Back-Up Ring	
16	N.S.S	1	O-Ring	
17	N.S.S	2	Wear Ring	
18	N.S.S	1	O-Ring	
19	N.S.S	1	Wear Ring	
20	N.S.S	1	Piston Seal	
21	N.S.S	1	O-Ring	
Ref	P30653	1	Seal Kit (Includes Items 13-21)	
		Ref	N.S.S. = Not Sold Separately.	

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FIGURE 7-31. FRAME TILT CYLINDER ASSEMBLY (644B-37 SN 171 to Present; 644B-42 SN 101 through 1619, SN 16152 through 16454; 844C-42 SN 165 through 3969, SN 16038 through 16454; 1044C-42 SN 101 to Present; 1044C-54 SN 101 through 1389, SN 16039 through 16454; 6K-37 SN 145 to Present; 6K-42 SN 101 to Present; 8K-42 SN 125 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)



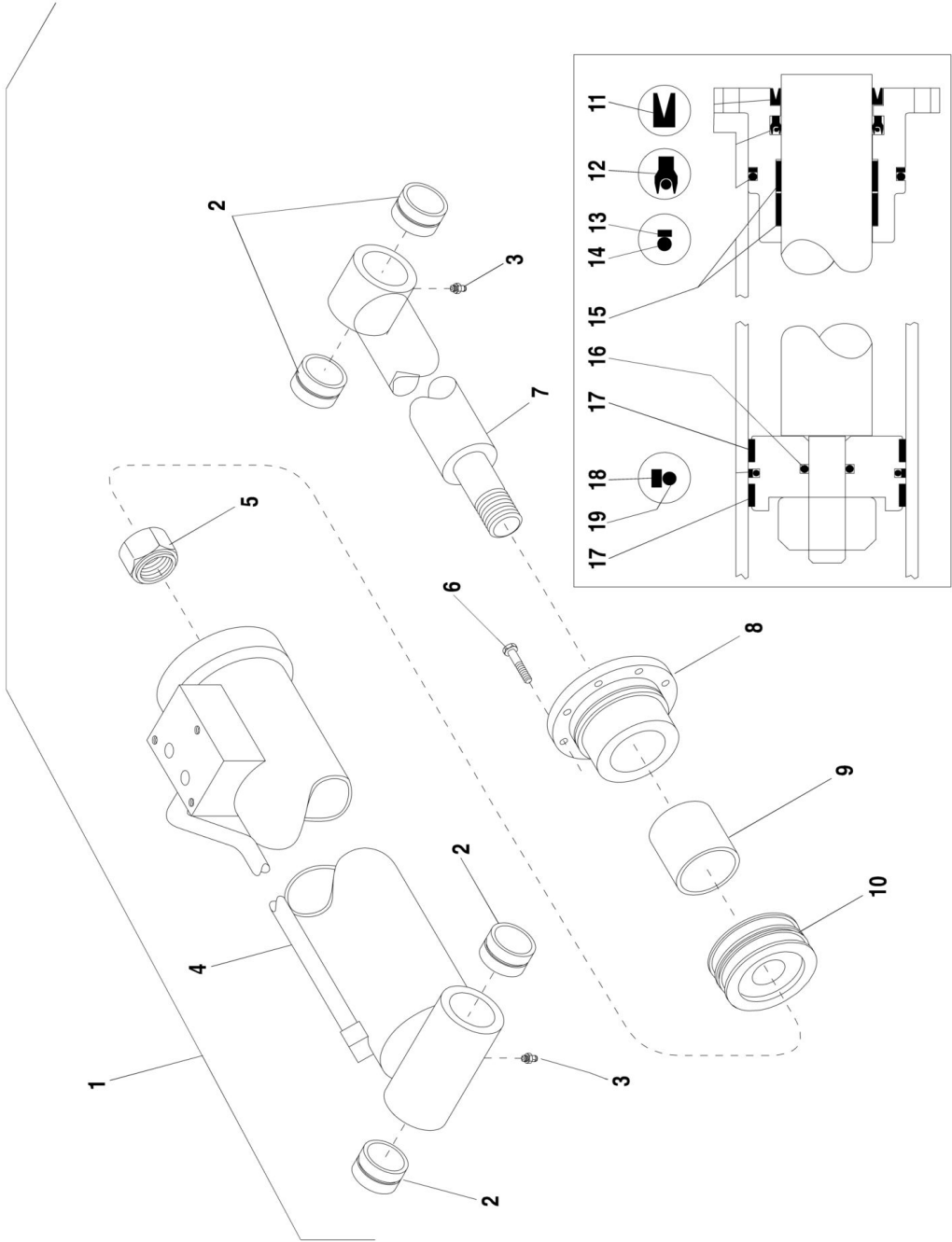
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FIGURE 7-31. FRAME TILT CYLINDER ASSEMBLY (644B-37 SN 171 to Present; 644B-42 SN 101 through 1619, SN 16152 through 16454; 844C-42 SN 165 through 3969, SN 16038 through 16454; 1044C-42 SN 101 to Present; 1044C-54 SN 101 through 1389, SN 16039 through 16454; 6K-37 SN 145 to Present; 6K-42 SN 101 to Present; 8K-42 SN 125 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	34821B	-	Cylinder Assembly, Frame Tilt	
2	P19106	2	Bushing	
3	P16611	1	Grease Fitting	
4	P30620	1	Barrel Weldment	
5	P27933	2	O-Ring Plug, Hollow Hex	
6	P30546	2	Orifice Plug	
7	P30682	1	Stroke Limiter	
8	P29878	1	Piston	
9	P40460	1	Nut, Crownlock	
10	P30641	1	Rod Weldment	
11	P00481	8	Capscrew, Hx, 1/2in-20 x 1 1/2in GR 8	
12	P30674	1	Head, Rod Bearing	
13	N.S.S	1	Wiper	
14	N.S.S	1	Seal	
15	N.S.S	2	Back-Up Ring	
16	N.S.S	1	O-Ring	
17	N.S.S	2	Wear Ring	
18	N.S.S	1	O-Ring	
19	N.S.S	1	Wear Ring	
20	N.S.S	1	Piston Seal	
21	N.S.S	1	O-Ring	
22	P30653	1	Seal Kit (Includes Items 13-21)	
		Ref	N.S.S. = Not Sold Separately.	

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FIGURE 7-32. REAR OSCILLATION LOCK CYLINDER ASSEMBLY (644B-37,6K-37,844C-42,8K-42)
(644B-37 SN 101 through 170; 844C-42 SN 101 through 164; 6K-37 SN 101 through 144; 8K-42 SN 1001 through 124)



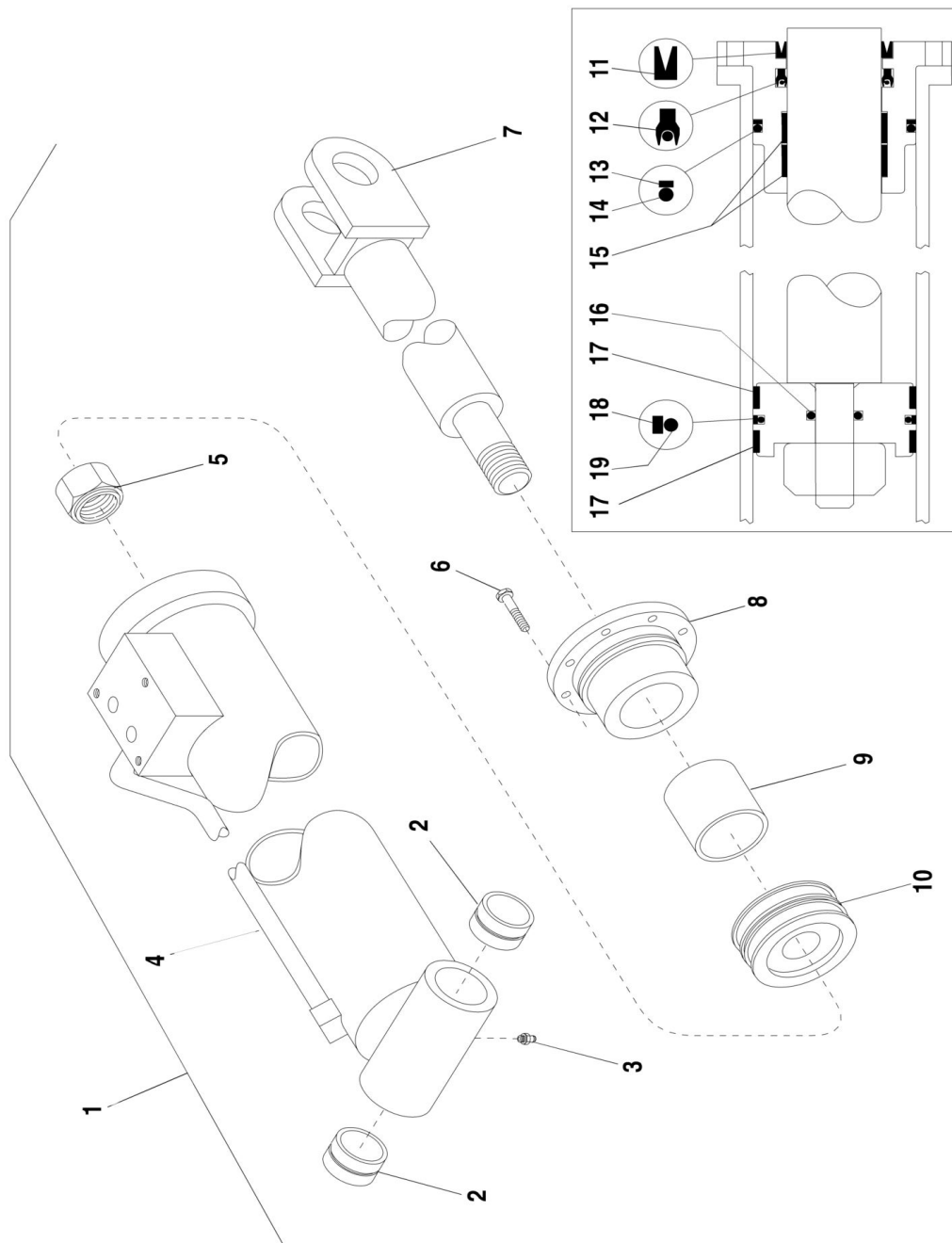
SECTION 7 - CONTROL HYDRAULICS

**FIGURE 7-32. REAR OSCILLATION LOCK CYLINDER ASSEMBLY (644B-37,6K-37,844C-42,8K-42)
(644B-37 SN 101 through 170; 844C-42 SN 101 through 164; 6K-37 SN 101 through 144; 8K-42 SN
1001 through 124)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	34818B	-	Cylinder Assembly, Rear Oscillation Lock	
2	P19106	4	Bushing	
3	P16611	2	Grease Fitting	
4	P30619	1	Barrel Weldment	
5	P40460	1	Nut, Crownlock	
6	P00481	8	Capscrew, Hx, 1/2in-20 x 1 1/2in GR 8	
7	P30640	1	Rod Weldment	
8	P30676	1	Head, Rod Bearing	
9	P30684	1	Stroke Limiter	
10	P29878	1	Piston	
11	N.S.S	1	Wiper	
12	N.S.S	1	Seal	
13	N.S.S	2	Back-Up Ring	
14	N.S.S	1	O-Ring	
15	N.S.S	2	Wear Ring	
16	N.S.S	1	O-Ring	
17	N.S.S	1	Wear Ring	
18	N.S.S	1	Piston Seal	
19	N.S.S	1	O-Ring	
Ref	P30681	1	Seal Kit (Includes Items 11-19)	
		Ref	N.S.S. = Not Sold Separately.	

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FIGURE 7-33. REAR OSCILLATION LOCK CYLINDER ASSEMBLY (644B-37 SN 171 through 591, SN 667 through 1289, SN 1293 through 1303; 644B-42 SN 101 through 341, SN 344 through 362; 844C-42 SN 164 through 1352, Except SN 1341 through 1342, Excluding 1199, 1255, 1310 and 1330; 1044C-42 SN 101 through 126; 1044C-54 SN 101 through 313, Except SN 305 through 306, Excluding 287 and 291; 6K-37 SN 145 through 494; 6K-42 SN 101 through 178; 8K-42 SN 125 through 333, Excluding 328 and 331; 10K-42 SN 101 through 108)



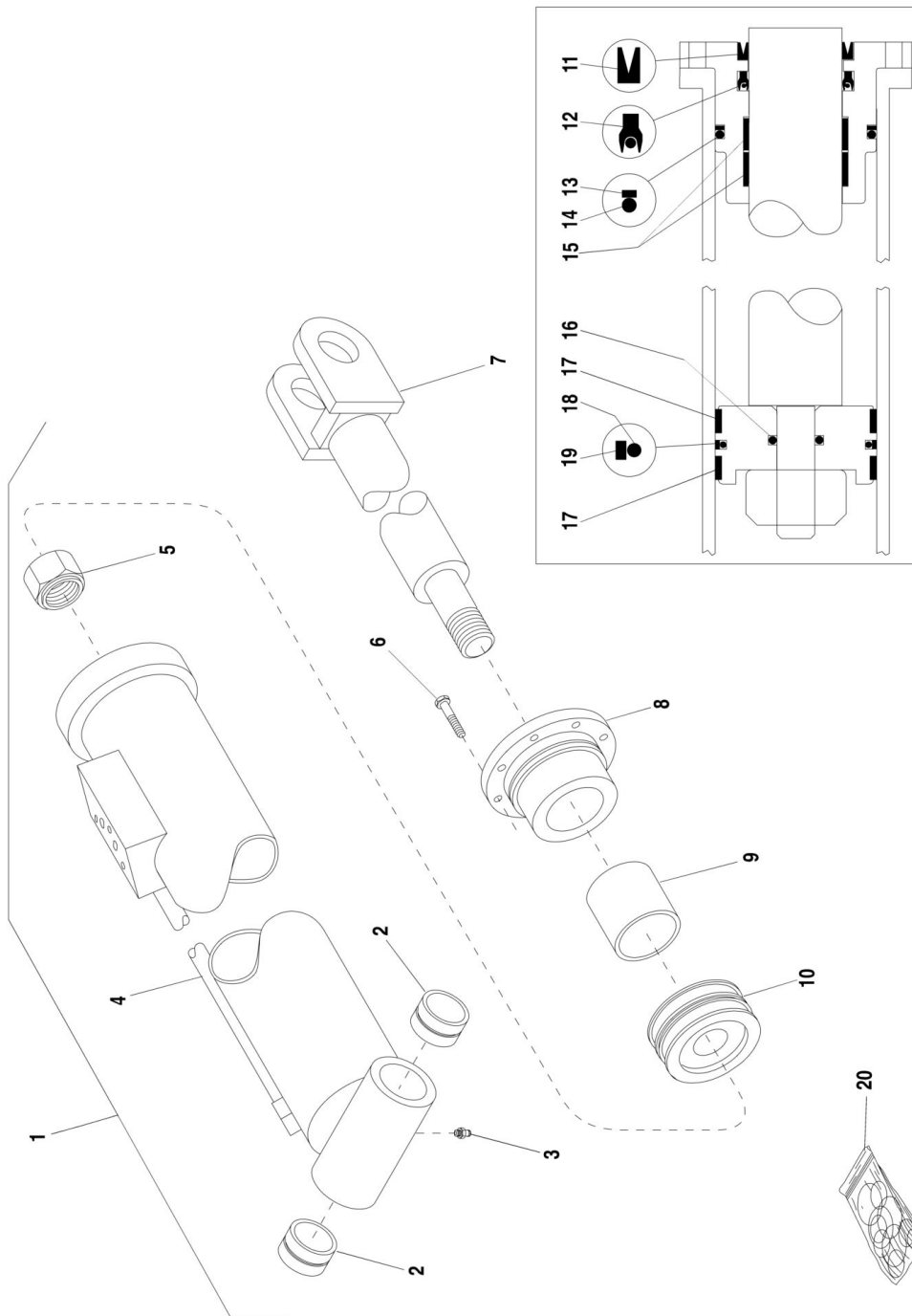
SECTION 7 - CONTROL HYDRAULICS

FIGURE 7-33. REAR OSCILLATION LOCK CYLINDER ASSEMBLY (644B-37 SN 171 through 591, SN 667 through 1289, SN 1293 through 1303; 644B-42 SN 101 through 341, SN 344 through 362; 844C-42 SN 164 through 1352, Except SN 1341 through 1342, Excluding 1199, 1255, 1310 and 1330; 1044C-42 SN 101 through 126; 1044C-54 SN 101 through 313, Except SN 305 through 306, Excluding 287 and 291; 6K-37 SN 145 through 494; 6K-42 SN 101 through 178; 8K-42 SN 125 through 333, Excluding 328 and 331; 10K-42 SN 101 through 108)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	34822B	-	Cylinder Assembly, Rear Oscillation Lock	
2	P19106	2	Bushing	
3	P16611	1	Grease Fitting	
4	P30621	1	Barrel Weldment	
5	P40460	1	Nut, Crownlock	
6	P00481	8	Capscrew, Hx, 1/2in-20 x 1 1/2in GR 8	
7	P30642	1	Rod Weldment	
8	P30676	1	Head, Rod Bearing	
9	P30683	1	Stroke Limiter	
10	P29878	1	Piston	
11	N.S.S	1	Wiper	
12	N.S.S	1	Seal	
13	N.S.S	2	Back-Up Ring	
14	N.S.S	1	O-Ring	
15	N.S.S	2	Wear Ring	
16	N.S.S	1	O-Ring	
17	N.S.S	1	Wear Ring	
18	N.S.S	1	Piston Seal	
19	N.S.S	1	O-Ring	
Ref	P30681	1	Seal Kit (Includes Items 11-19)	
		Ref	N.S.S. = Not Sold Separately.	

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FIGURE 7-34. REAR OSCILLATION LOCK CYLINDER ASSEMBLY (644B-37 SN 1290 through 1292, SN 1304 to Present; 644B-42 SN 342 through 343, SN 363 through 1619, SN 16152 through 16439; 844C-42 SN 1341 through 1342, SN 1353 through 3969, Including 1199, 1255, 1310, 1330 and 16038; 1044C-42 SN 127 to Present; 1044C-54 SN 305 through 306, SN 314 through 1389, SN 16039 through 16439, Including 287 and 291; 6K-37 SN 495 to Present; 6K-42 Including 179; 8K-42 SN 334 to Present, Including 328 and 331; 10K-42 SN 109 to Present; 10K-54 SN 114 to Present)



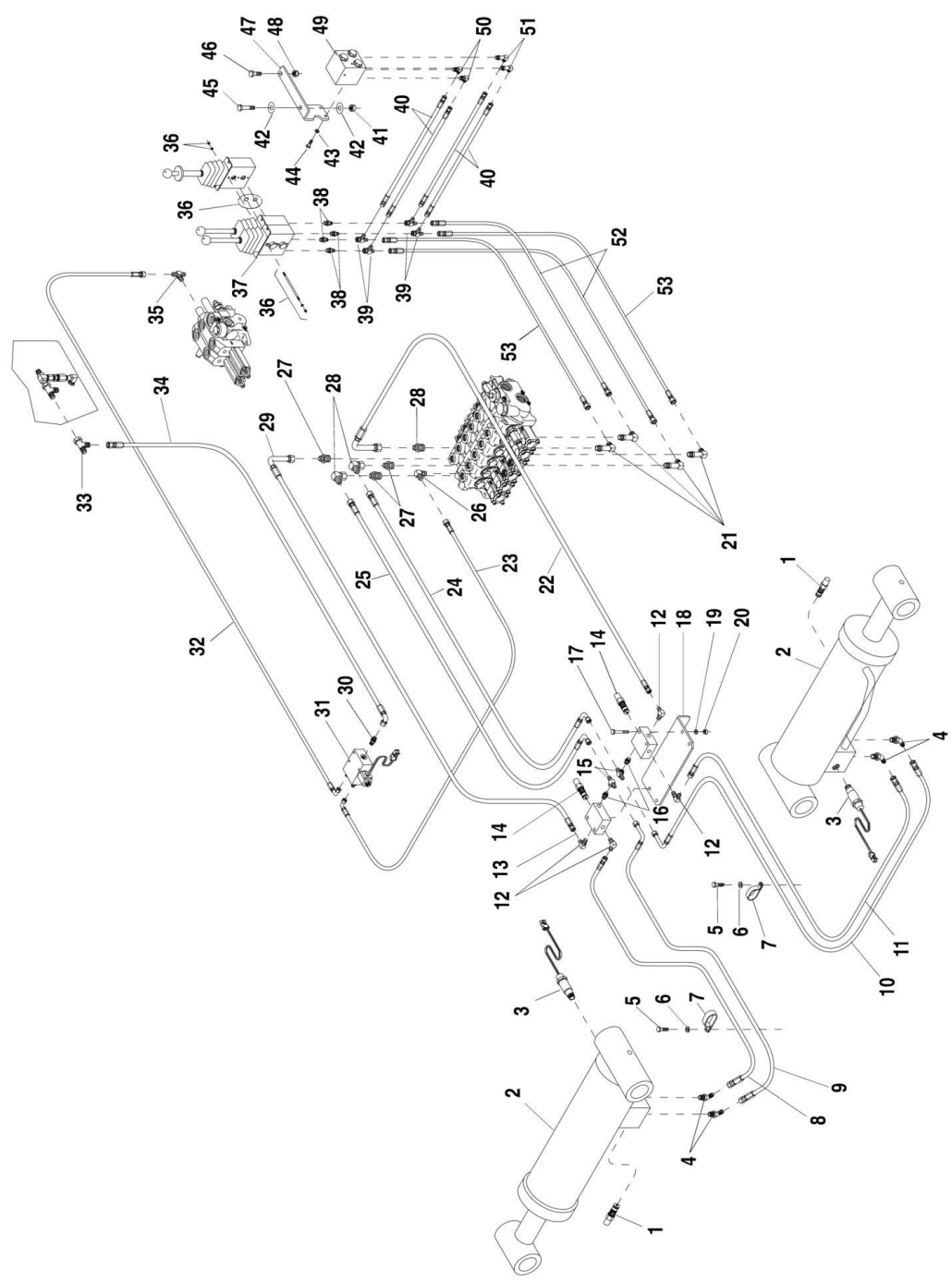
SECTION 7 - CONTROL HYDRAULICS

FIGURE 7-34. REAR OSCILLATION LOCK CYLINDER ASSEMBLY (644B-37 SN 1290 through 1292, SN 1304 to Present; 644B-42 SN 342 through 343, SN 363 through 1619, SN 16152 through 16439; 844C-42 SN 1341 through 1342, SN 1353 through 3969, Including 1199, 1255, 1310, 1330 and 16038; 1044C-42 SN 127 to Present; 1044C-54 SN 305 through 306, SN 314 through 1389, SN 16039 through 16439, Including 287 and 291; 6K-37 SN 495 to Present; 6K-42 Including 179; 8K-42 SN 334 to Present, Including 328 and 331; 10K-42 SN 109 to Present; 10K-54 SN 114 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	66665B	-	Cylinder Assembly, Rear Oscillation Lock	
2	P19106	2	Bushing	
3	P16611	1	Grease Fitting	
4	39183X	1	Barrel Weldment	
5	P40460	1	Nut, Crownlock	
6	P00481	8	Capscrew, Hx, 1/2in-20 x 1 1/2in GR 8	
7	39181X	1	Rod Weldment	
8	P30674	1	Head, Rod Bearing	
9	39182X	1	Stroke Limiter	
10	P29878	1	Piston	
11	N.S.S.	1	Wiper	
12	N.S.S.	1	Seal	
13	N.S.S.	1	Back-Up Ring	
14	N.S.S.	1	O-Ring	
15	N.S.S.	1	Wear Ring	
16	N.S.S.	1	O-Ring	
17	N.S.S.	2	Wear Ring	
18	N.S.S.	1	O-Ring	
19	N.S.S.	1	Piston Seal	
20	P30653	1	Seal Kit (Includes Items 11-19)	
		Ref	N.S.S. = Not Sold Separately.	

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FIGURE 7-35. OUTRIGGER HYDRAULICS CIRCUIT (1044C-54) (1044C-54 SN 101 through 132)



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FIGURE 7-35. OUTRIGGER HYDRAULICS CIRCUIT (1044C-54) (1044C-54 SN 101 through 132)

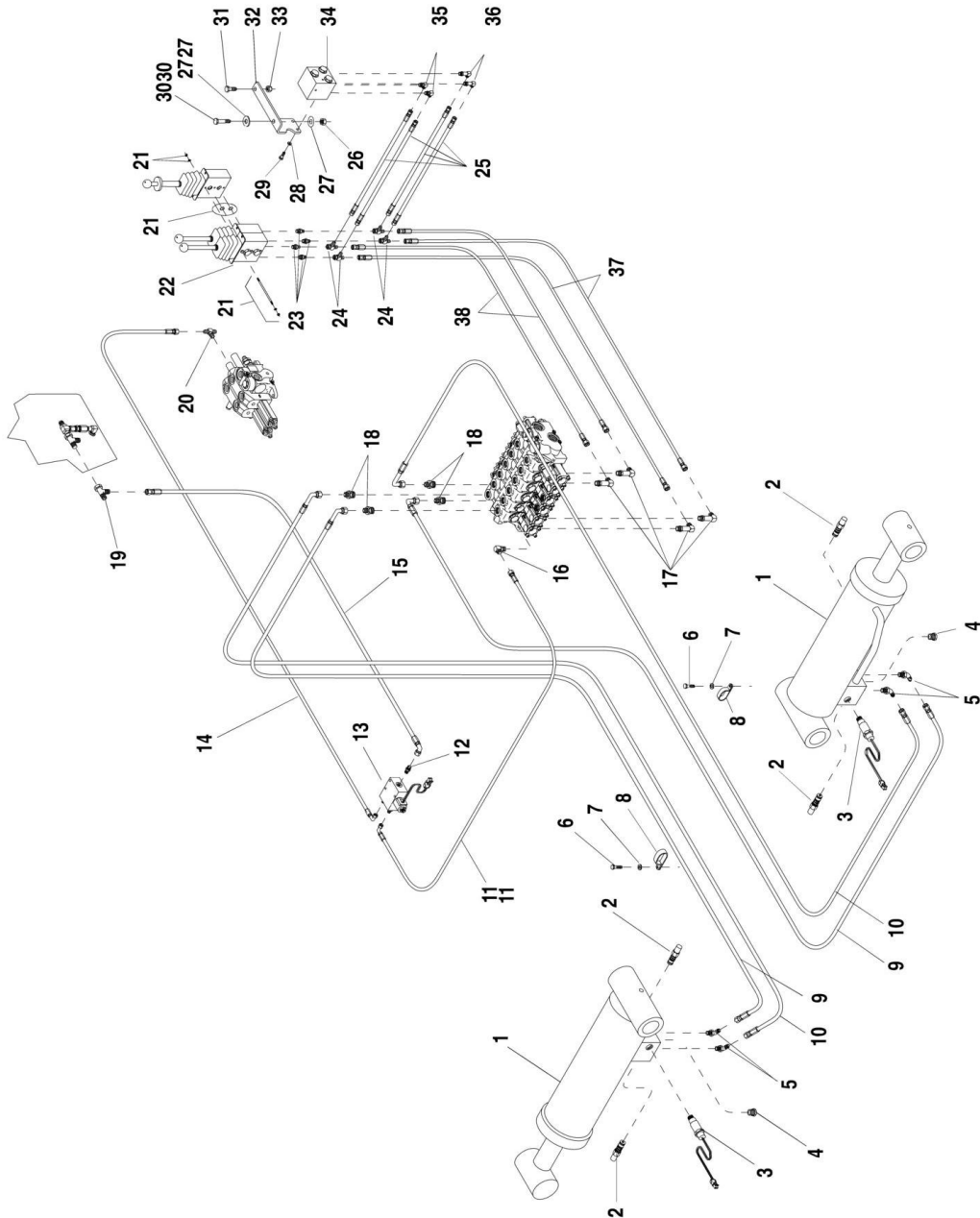
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	37450X	2	Cartridge, Counterbalance Valve	
1	2900770	-	Seal Kit for Item 1	
2	34827B	2	Cylinder, Outrigger (See OUTRIGGER CYLINDER ASSEMBLY for Breakdown)	
3	68441A	2	Pressure Switch, Differential (Replaces 39321A)	
4	P21299	4	45, Elbow, O-Ring	
5	P00202	2	Capscrew, Hx, 3/8in-16 x 3/4in	
6	P01310	2	Lockwasher, 3/8in	
7	37368X	2	Clamp, Hose	
8	P21207	1	Hyd Hose, 1/2in	
9	37530X	1	Hyd Hose, 1/2in	
10	37529X	1	Hyd Hose, 1/2in	
11	37533X	1	Hyd Hose, 1/2in	
12	P21173	4	90, Elbow, O-Ring	
13	37491X	2	Valve Body, Single Counterbalance	
14	P29947	2	Cartridge, Counterbalance Valve	
15	P18934	2	Tee, Swivel Branch	
16	P15123	2	Connector, O-Ring	
17	P00108	4	Capscrew, Hx, 5/16in-18 x 2in	
18	39640B	1	Bracket, Counterbalance Valve	
19	P01309	4	Lockwasher, 5/16in	
20	P01507	4	Nut, Hx, 5/16in-18	
21	P29013	4	90, Elbow, O-Ring (Long)	
22	P24633	1	Hyd Hose, 1/2in	
23	37218X	1	Hyd Hose, 1/4in	
24	37532X	1	Hyd Hose, 1/2in	
25	37531X	1	Hyd Hose, 1/2in	
26	P21579	1	90, Elbow O-Ring	
27	P15406	4	Connector, O-Ring	
28	P21579	2	90, Elbow, Swivel	
29	37528X	1	Hyd Hose, 1/2in	
30	P19414	1	Check Valve	
31	38655A	1	Boom Extend Lockout Valve (See BOOM EXTEND LOCKOUT VALVE ASSEMBLY for Breakdown)	
32	P29279	1	Hyd Hose, 3/8in	
33	P20979	1	Tee, O-Ring	
34	P27688	1	Hyd Hose, 1/2in	
35	P18958	1	Tee, O-Ring	
36	P32663	1	Bolt Kit	
37	P31579	1	Outrigger Control Valve (Dual) (See OUTRIGGER CONTROL VALVE ASSEMBLY for Breakdown)	
38	P18936	4	Connector, O-Ring	
39	P27399	4	Tee, Swivel Run	
40	37858X	4	Hyd Hose, 1/4in	
41	P01507	2	Nut, Hx, 5/16in-18	
42	P01403	2	Flatwasher, 5/16in	
43	P01309	1	Lockwasher, 5/16in	
44	P00102	2	Capscrew, Hx, 5/16in-18 x 3/4in	
45	P00104	1	Capscrew, Hx, 5/16in-18 x 1in	
46	P00303	1	Capscrew, Hx, 7/16in-14 x 1 1/4in	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	66222B	1	Mount Plate, Valve	
48	P05003	1	Lock Nut 7/16in-14	
49	66220B	1	Valve, Outrigger Over-Ride (See OUTRIGGER OVER-RIDE VALVE ASSEMBLY for Breakdown)	
50	P19248	2	90, Elbow, O-Ring	
51	P33166	2	90, Elbow, O-Ring (Long)	
52	P29155	2	Hyd Hose, 1/4in	
53	37285X	2	Hyd Hose, 1/4in	

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FIGURE 7-36. OUTRIGGER HYDRAULICS CIRCUIT (1044C-54,10K-54) (1044C-54 SN 133 through 154; 10K-54 SN 101 through 103)



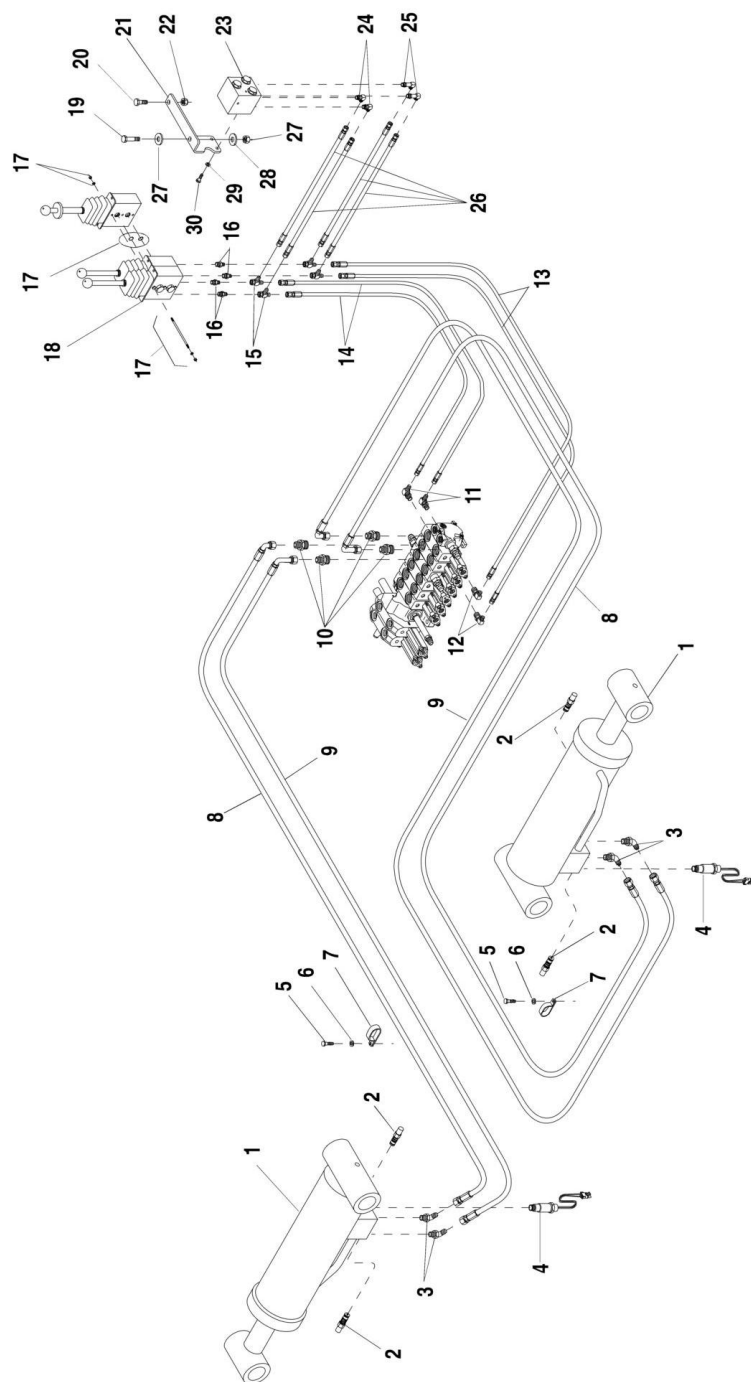
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FIGURE 7-36. OUTRIGGER HYDRAULICS CIRCUIT (1044C-54,10K-54) (1044C-54 SN 133 through 154; 10K-54 SN 101 through 103)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	34842B	2	Cylinder, Outrigger (See OUTRIGGER CYLINDER ASSEMBLY for Breakdown)	
2	37450X	4	Cartridge, Counterbalance Valve	
2	2900770	-	Seal Kit for Item 2	
3	68441A	2	Pressure Switch, Differential (Replaces 39321A)	
4	P15447	2	Plug, O-Ring	
5	P21229	4	45, Elbow, O-Ring	
6	P00202	2	Capscrew, Hx, 3/8in-16 x 3/4	
7	P01310	2	Lockwasher, 3/8in	
8	37368X	2	Clamp, Hose	
9	37287X	1	Hyd Hose, 1/2in	
10	37288X	2	Hyd Hose, 1/2in	
11	37298X	1	Hyd Hose, 1/4in	
12	P19414	1	Check Valve	
13	38655A	1	Boom Extend Lockout Valve (See BOOM EXTEND LOCKOUT VALVE ASSEMBLY for Breakdown)	
14	P29279	1	Hyd Hose, 1/4in	
15	P27668	1	Hyd Hose, 3/8in	
16	P21579	1	90, Elbow, O-Ring	
17	P29013	4	90, Elbow, O-Ring (Long)	
18	P15406	4	Connector, O-Ring	
19	P18936	4	Connector, O-Ring	
20	P18958	1	Tee, O-Ring	
21	P32663	1	Bolt Kit	
22	P31579	1	Outrigger Control Valve Assembly (Dual) (See OUTRIGGER CONTROL VALVE ASSEMBLY for Breakdown)	
23	P18936	1	Connector, O-Ring	
24	P27399	4	Tee, Swivel Run	
25	37858X	4	Hyd Hose, 1/4in	
26	P01507	2	Nut, Hx, 5/16in-18	
27	P01403	2	Flatwasher, 5/16in	
28	P01309	1	Lockwasher, 5/16in	
29	P00102	2	Capscrew, Hx, 5/16in-18 x 3/4in	
30	P00104	1	Capscrew, Hx, 5/16in-18 x 1in	
31	P00303	1	Capscrew, Hx, 7/16in-14 x 1 1/4in	
32	66222B	1	Mount Plate, Valve	
33	P05003	1	Lock Nut, 7/16in-14	
34	66220B	1	Valve, Outrigger Over-Ride (See OUTRIGGER OVER-RIDE VALVE ASSEMBLY for Breakdown)	
35	P19248	2	90, Elbow, O-Ring	
36	P33166	2	90, Elbow, O-Ring (Long)	
37	P29155	2	Hyd Hose, 1/4in	
38	37285X	2	Hyd Hose, 1/4in	

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FIGURE 7-37. OUTRIGGER HYDRAULICS CIRCUIT (1044C-54,10K-54) (1044C-54 SN 155 through 303; 10K-54 SN 104 through 113)



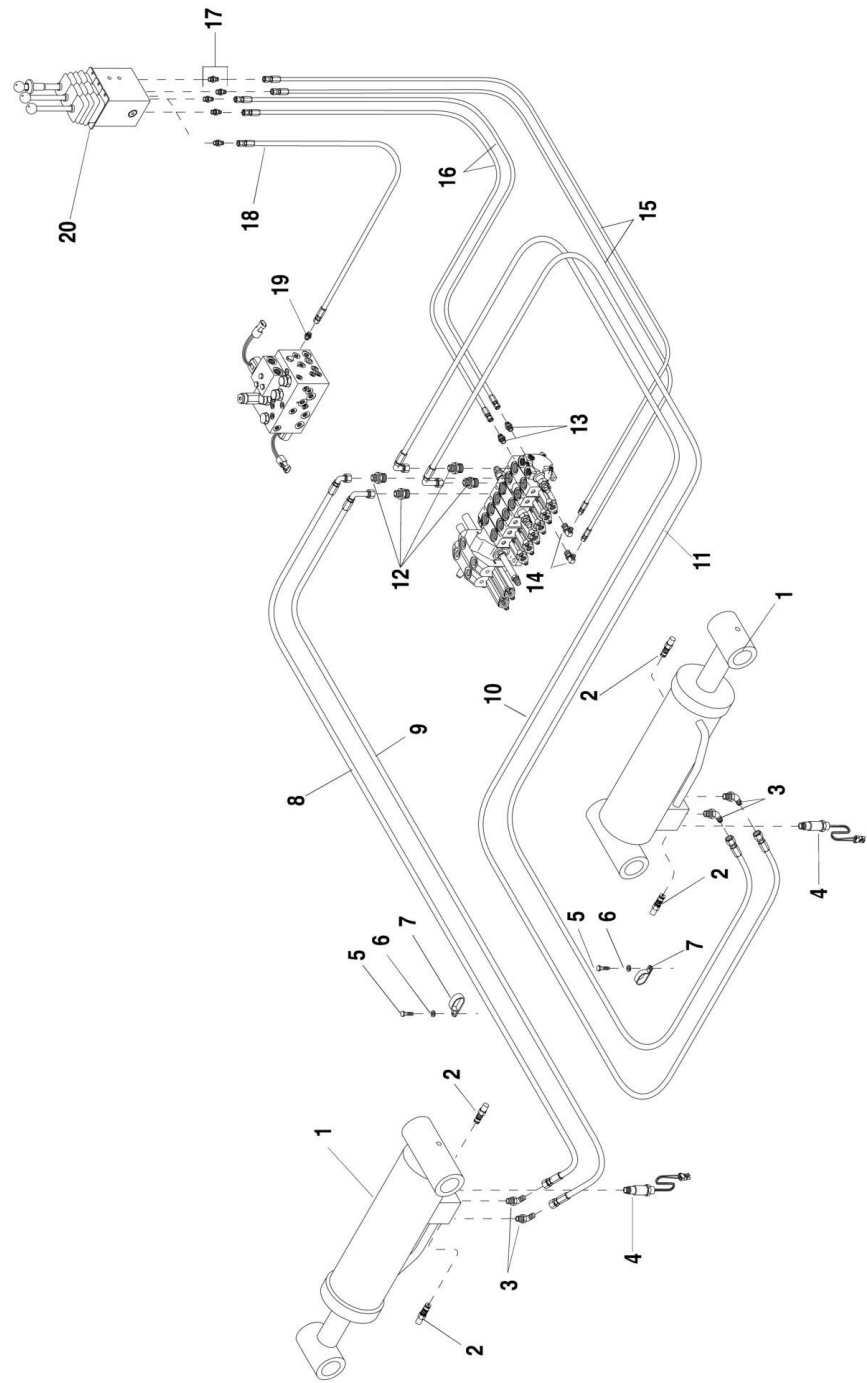
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**FIGURE 7-37. OUTRIGGER HYDRAULICS CIRCUIT (1044C-54,10K-54) (1044C-54 SN 155 through 303;
10K-54 SN 104 through 113)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	34842B	2	Cylinder, Outrigger (See OUTRIGGER CYLINDER ASSEMBLY for Breakdown)	
2	37450X	4	Cartridge, Counterbalance Valve	
2	2900770	-	Seal Kit for Item 2	
3	P21229	4	45, Elbow, O-Ring	
4	68441A	2	Pressure Switch, Differential	
5	P00202	2	Capscrew, Hx, 3/8in-16 x 3/4in	
6	P01310	2	Lockwasher, 3/8in	
7	37368X	2	Clamp, Hose	
8	37287X	2	Hyd Hose, 1/2in	
9	37288X	2	Hyd Hose, 1/2in	
10	P15406	4	Connector, O-Ring	
11	P18935	2	90, Elbow, O-Ring	
12	P24609	2	90, Elbow, O-Ring	
13	37616X	2	Hyd Hose, 1/4in	
14	37617X	2	Hyd Hose, 1/4in	
15	P27399	4	Tee, Swivel Run	
16	P18936	4	Connector, O-Ring	
17	P32663	1	Bolt Kit	
18	P31579	1	Outrigger Control Valve Assembly (Dual) (See OUTRIGGER CONTROL VALVE ASSEMBLY for Breakdown)	
19	P00104	1	Capscrew, Hx, 5/16in-18 x 1in	
20	P00303	1	Capscrew, Hx, 7/16in-14 x 1 1/4in	
21	66222B	1	Mount Plate, Valve	
22	P05003	1	Lock Nut, 7/16in-14	
23	66220B	1	Valve, Outrigger Over-Ride (See OUTRIGGER OVER-RIDE VALVE ASSEMBLY for Breakdown)	
24	P19248	2	90, Elbow, O-Ring	
25	P33166	2	90, Elbow, O-Ring(Long)	
26	37858X	4	Hyd Hose, 1/4in	
27	P01507	2	Nut, Hx, 5/16in-18	
28	P01403	2	Flatwasher, 5/16in	
29	P01309	1	Lockwasher, 5/16in	
30	P00102	2	Capscrew, Hx, 5/16in-18 x 3/4in	

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FIGURE 7-38. OUTRIGGER HYDRAULICS CIRCUIT (1044C-54,10K-54) (1044C-54 SN 304 to Present;
10K-54 SN 114 to Present)



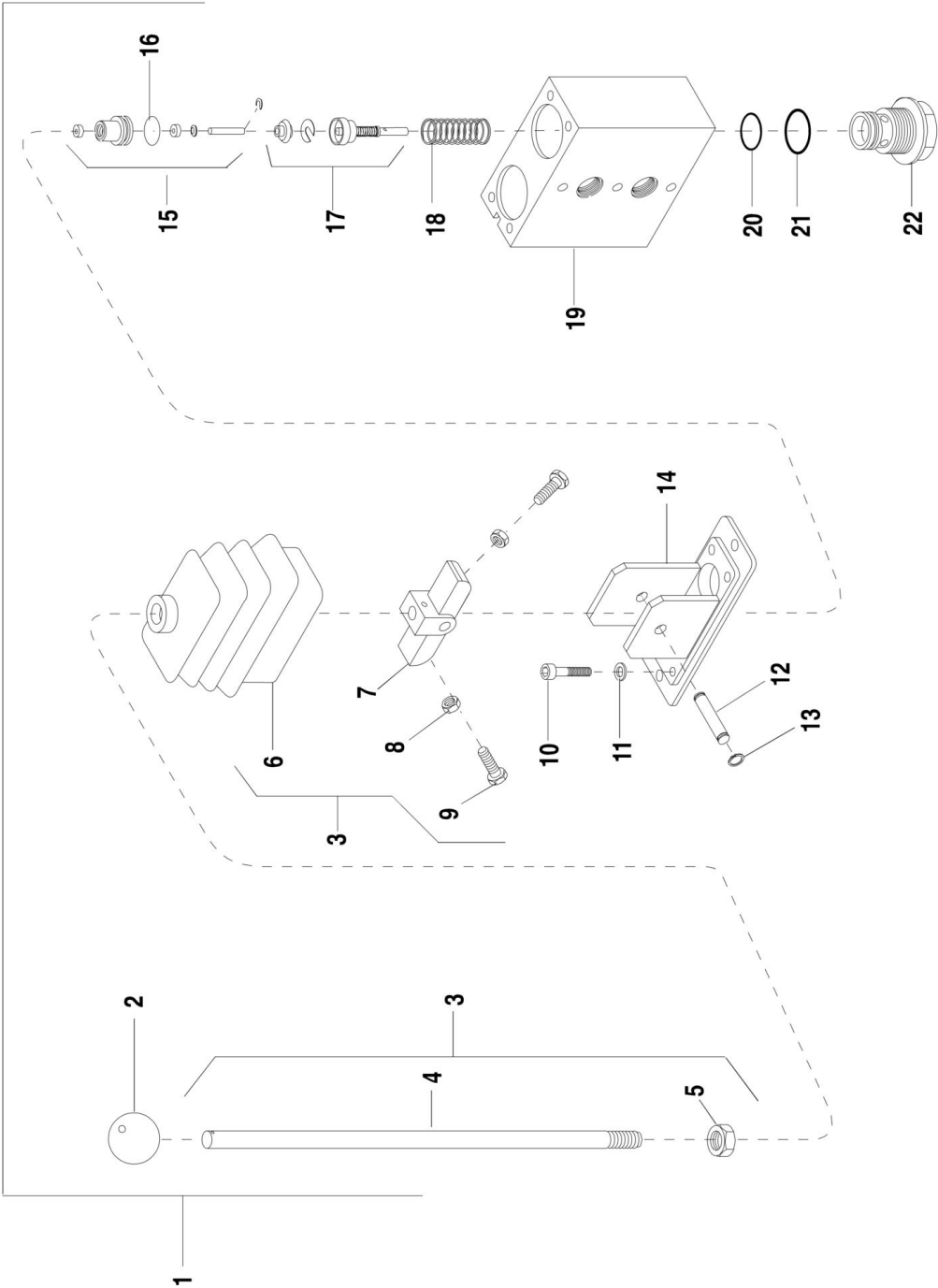
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**FIGURE 7-38. OUTRIGGER HYDRAULICS CIRCUIT (1044C-54,10K-54) (1044C-54 SN 304 to Present;
10K-54 SN 114 to Present)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	34842B	2	Cylinder, Outrigger (See OUTRIGGER CYLINDER ASSEMBLY for Breakdown)	
2	37450X	4	Cartridge, Counterbalance Valve	
2	2900770	-	Seal Kit for Item 2	
3	P21229	4	45, Elbow, O-Ring	
4	68441A	2	Pressure Switch, Differential	
5	P00202	2	Capscrew, Hx, 3/8in-16 x 3/4in	
6	P01310	2	Lockwasher, 3/8in	
7	37368X	2	Clamp, Hose	
8	37648X	1	Hyd Hose, 1/2in	
9	P27740	1	Hyd Hose, 1/2in	
10	37647X	1	Hyd Hose, 1/2in	
11	P27405	1	Hyd Hose, 1/2in	
12	P15406	4	Connector, O-Ring	
13	P24612	2	Connector, O-Ring	
14	P24609	2	90, Elbow, O-Ring	
15	37646X	2	Hyd Hose, 1/4in	
16	37645X	2	Hyd Hose, 1/4in	
17	P18936	5	Connector, O-Ring	
18	37610X	1	Hyd Hose, 1/4in	
19	P18960	1	Connector, O-Ring	
20	66929B	1	Control Valve Assembly, 3 Handle, Single Axis (See HANDLE SINGLE AXIS CONTROL VALVE ASSEMBLY for Breakdown)	

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FIGURE 7-39. OUTRIGGER CONTROL VALVE ASSEMBLY (1044C-54,10K-54) (1044C-54 SN 101 through 303; 10K-54 SN 101 through 113)



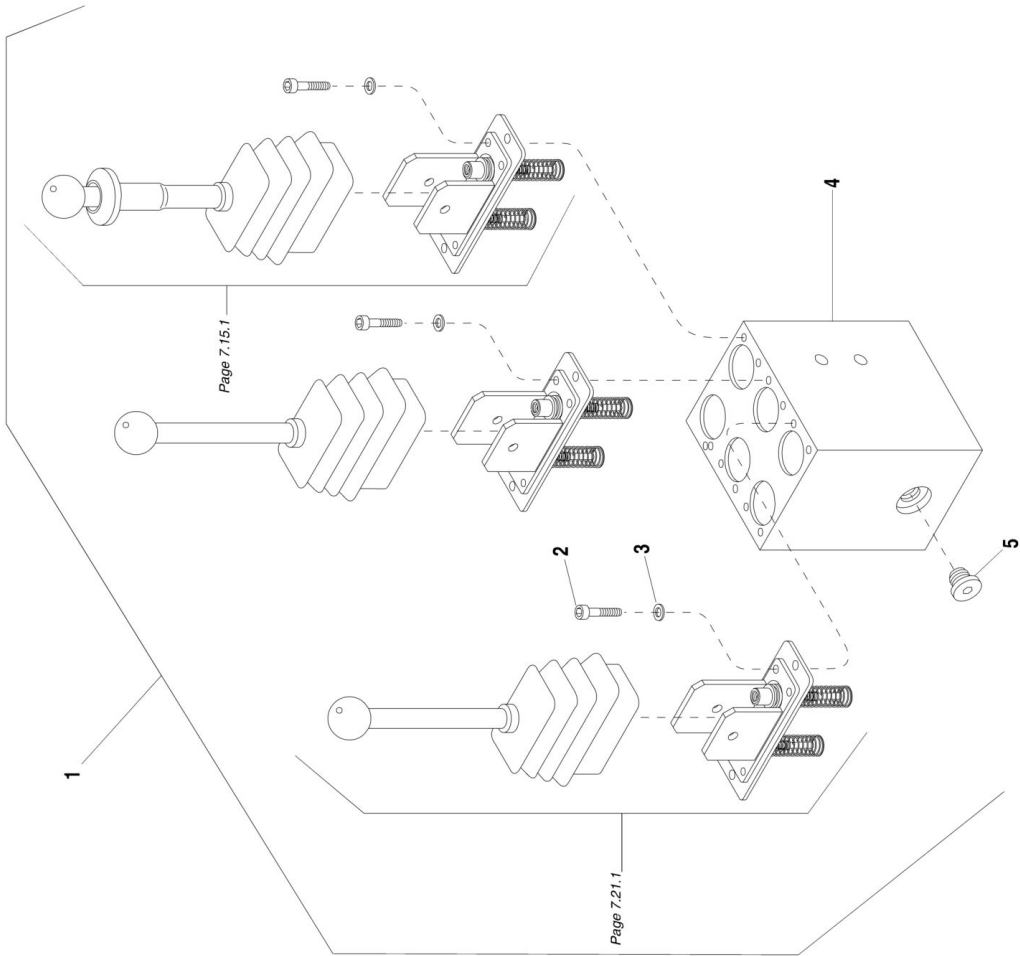
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FIGURE 7-39. OUTRIGGER CONTROL VALVE ASSEMBLY (1044C-54,10K-54) (1044C-54 SN 101 through 303; 10K-54 SN 101 through 113)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	P31579	-	Outrigger Control Valve Assembly (Dual Section)	
1	P31444	2	Outrigger Control Valve Assembly (Single Section)	
2	P32543	1	Knob	
3	P32207	1	Lever Kit (Includes Items 4-9)	
4	P32211	1	Lever	
5	P32212	1	Nut, Metric	
6	P32544	1	Boot, Rubber	
7	P32208	1	Cam	
8	P32213	2	Jam Nut, Metric	
9	P32214	2	Capscrew	
10	P32548	4	Capscrew, Socket Hd	
11	P32549	4	Washer	
12	P31463	1	Pivot Pin (Includes Item 10)	
13	P31464	2	Circlip	
14	P32210	1	Flange	
15	P31462	1	Guide Assembly	
16	N.S.S.	1	O-Ring	
17	P32201	1	Spring Pack	
18	P32215	1	Spring	
19	N.S.S.	1	Body	
20	N.S.S.	1	O-Ring	
21	N.S.S.	1	O-Ring	
22	P32202	1	Ported Guide	
Ref	P33168		Seal Kit (Includes Items 16, 20 & 21)	
		Ref	N.S.S. = Not Sold Separately	

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FIGURE 7-40. 3 HANDLE SINGLE AXIS CONTROL VALVE ASSEMBLY (1044C-54,10K-54) (1044C-54 SN 304 to Present; 10K-54 SN 114 to Present)



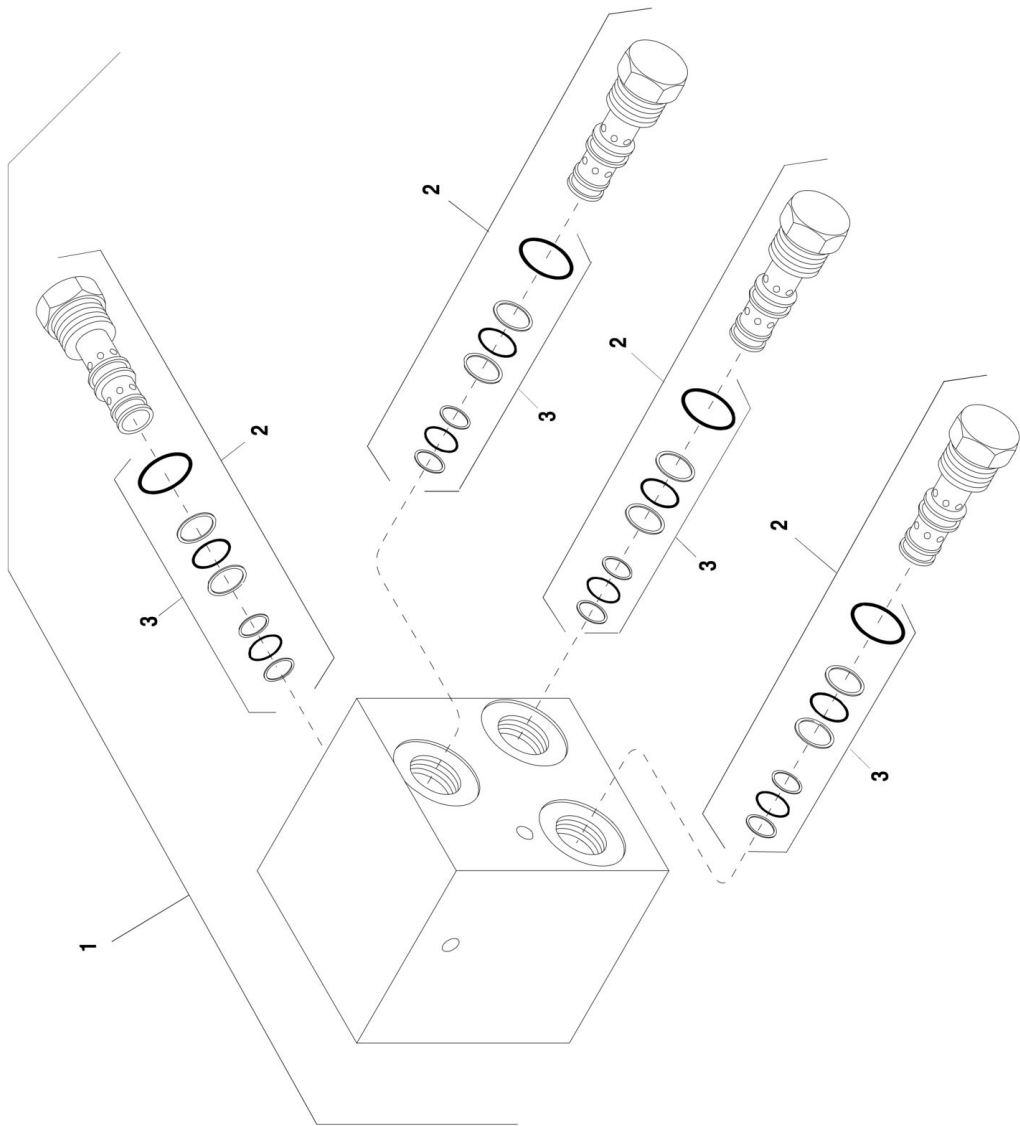
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FIGURE 7-40. 3 HANDLE SINGLE AXIS CONTROL VALVE ASSEMBLY (1044C-54,10K-54) (1044C-54 SN 304 to Present; 10K-54 SN 114 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	66929B	1	Control Valve, 3 Handle, Single Axis	
2	P32548	12	Capscrew	
3	P32549	12	Washer	
4	N.S.S.	1	Body	
5	P25691		Plug	
		Ref	N.S.S. = Not Sold Separately	

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FIGURE 7-41. OUTRIGGER OVER-RIDE VALVE ASSEMBLY (1044C-54,10K-54) (1044C-54 SN 101 to Present; 10K-54 SN 101 to Present)



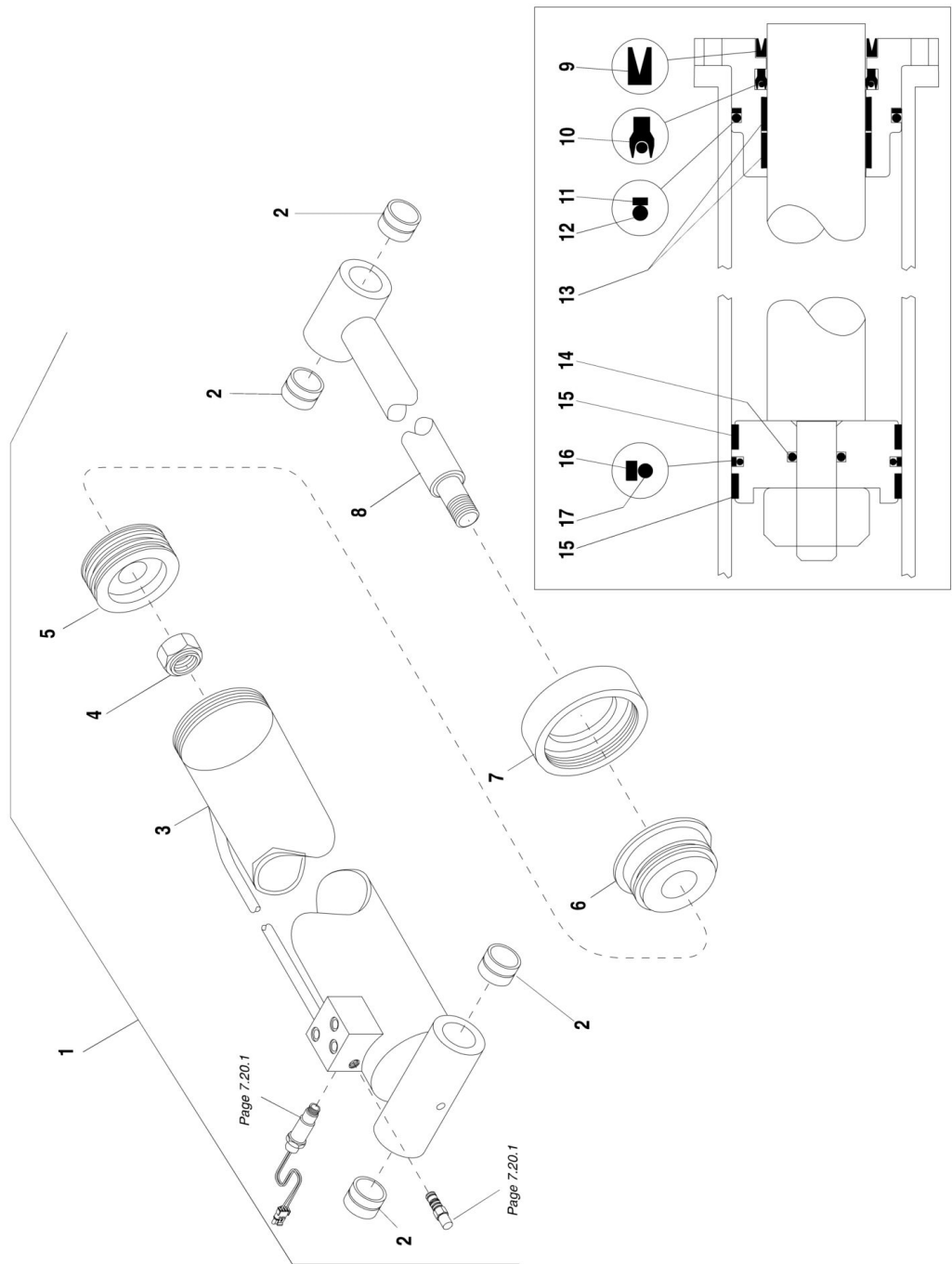
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FIGURE 7-41. OUTRIGGER OVER-RIDE VALVE ASSEMBLY (1044C-54,10K-54) (1044C-54 SN 101 to Present; 10K-54 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	66220B	-	Outrigger Over-Ride Valve Assembly	
2	37580X	4	Cartiridge Valve, Shuttle	
3	37014X	1	Seal Kit	

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FIGURE 7-42. OUTRIGGER CYLINDER ASSEMBLY (1044C-54,10K-54) (1044C-54 SN 101 to Present;
10K-54 SN 101 to Present)



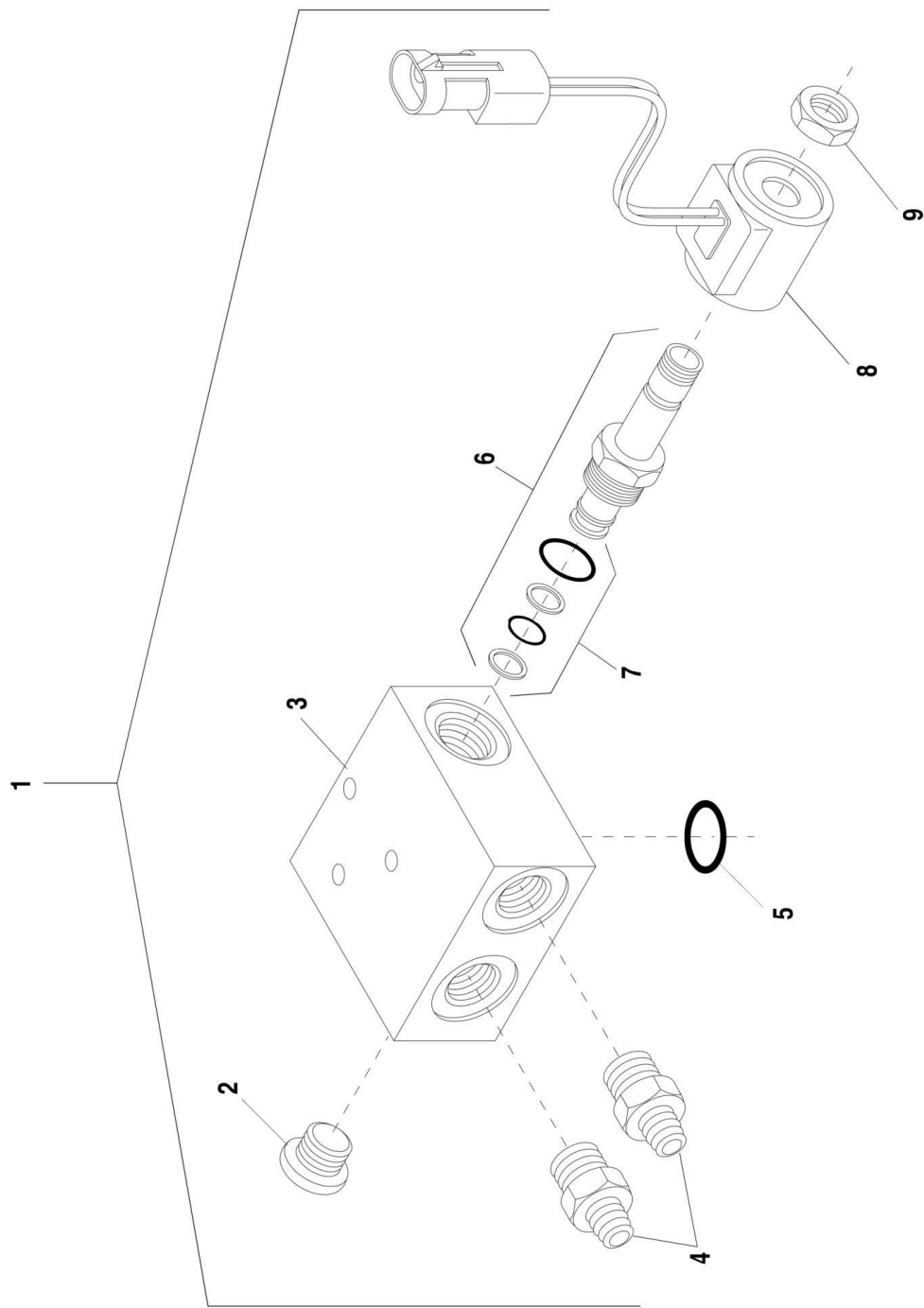
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**FIGURE 7-42. OUTRIGGER CYLINDER ASSEMBLY (1044C-54,10K-54) (1044C-54 SN 101 to Present;
10K-54 SN 101 to Present)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	34842B	-	Cylinder Assembly, Outrigger	
1	34827B	-	Cylinder Assembly, Outrigger (1044C-54) (1044C-54 SN 101 through 132)	
2	16228A	4	Bushing	
3	P32244	1	Barrel Weldment (for 34842B Cylinder)	
3	P32241	1	Barrel Weldment (for 34827B Cylinder)	
4	P23801	1	Nut, Crownlock	
5	P32335	1	Piston	
6	P32330	1	Rod Bearing	
7	P23779	1	Retainer, Rod Bearing	
8	P32322	1	Rod Weldment	
9	N.S.S	1	Wiper	
10	N.S.S	1	Seal	
11	N.S.S	2	Back-Up Ring	
12	N.S.S	1	O-Ring	
13	N.S.S	2	Wear Ring	
14	N.S.S	1	O-Ring	
15	N.S.S	1	Wear Ring	
16	N.S.S	1	Piston Seal	
17	N.S.S	1	O-Ring	
Ref	P32313	1	Seal Kit (Includes Items 9-17)	
		Ref	N.S.S. = Not Sold Separately.	

SECTION 7 - CONTROL HYDRAULICS

FIGURE 7-43. BOOM EXTEND LOCKOUT VALVE ASSEMBLY (1044C-54,10K-54) (1044C-54 SN 101 to Present; 10K-54 SN 101 to Present)



SECTION 7 - CONTROL HYDRAULICS

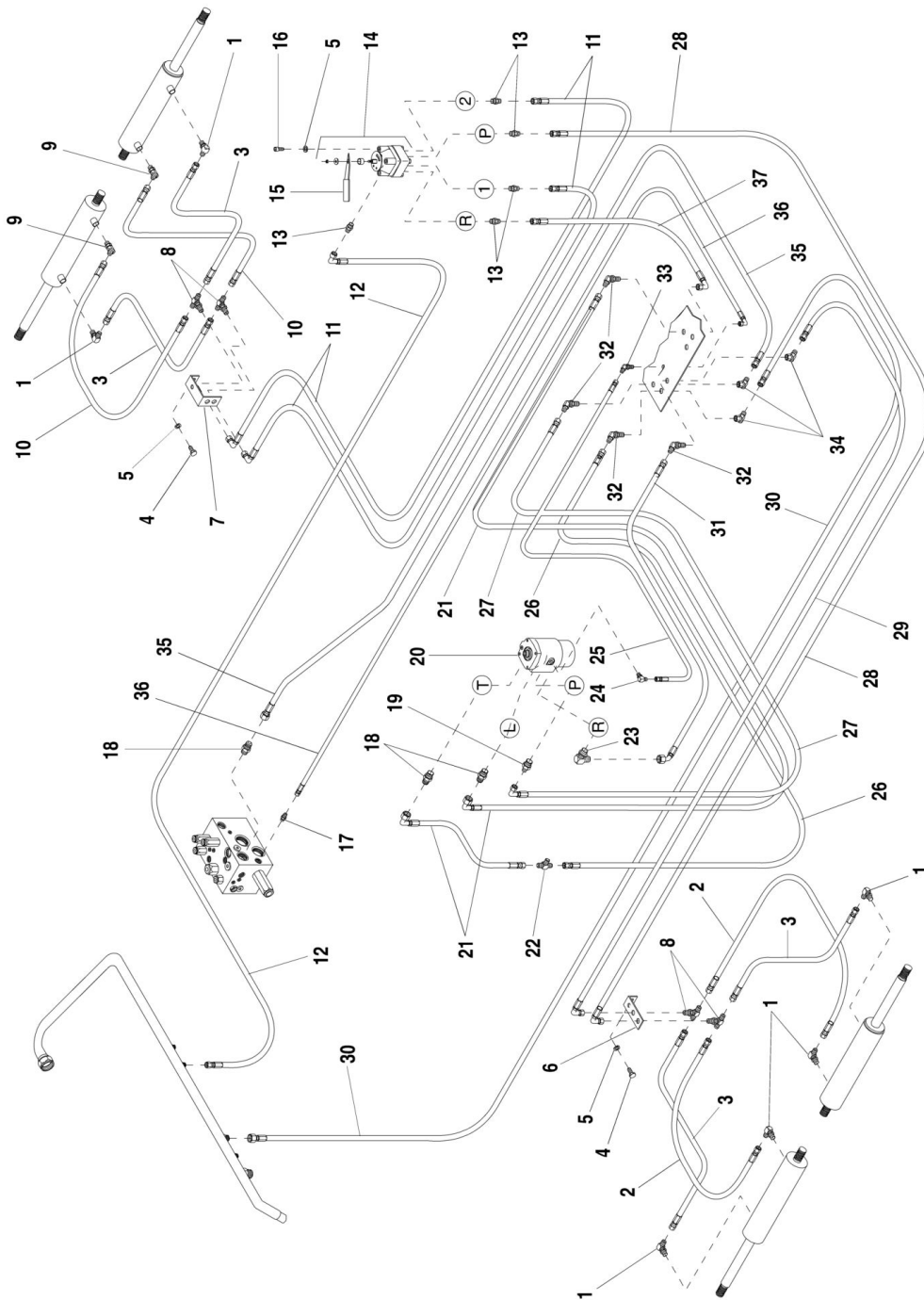
FIGURE 7-43. BOOM EXTEND LOCKOUT VALVE ASSEMBLY (1044C-54,10K-54) (1044C-54 SN 101 to Present; 10K-54 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	39949A	-	Boom Extend Lockout Valve Assembly (Replaces 38655A)	
2	P27936	1	O-Ring Plug, Hollow Hex	
3	N.S.S.	1	Body	
4	P19414	2	Check Valve	
5	37684X	1	O-Ring	
6	37248X	1	Solenoid Valve	
7	37246X	1	Seal Kit	
8	38329A	1	Coil	
9	P40662	1	Nut	
		Ref	N.S.S. = Not Sold Separately	

SECTION 8 - STEERING AND BRAKE HYDRAULICS

SECTION 8 - STEERING AND BRAKE HYDRAULICS

FIGURE 8-1. STEERING HYDRAULIC CIRCUIT (644B-37 SN 101 through 666, Excluding 591; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621; 1044C-42 SN 101 through 116; 1044C-54 SN 101 through 154; 6K-37 SN 101 through 317; 6K-42 SN 101 through 119; 8K-42 SN 101 through 220; 10K-42 SN 101 through 106; 10K-54 SN 101 through 103)



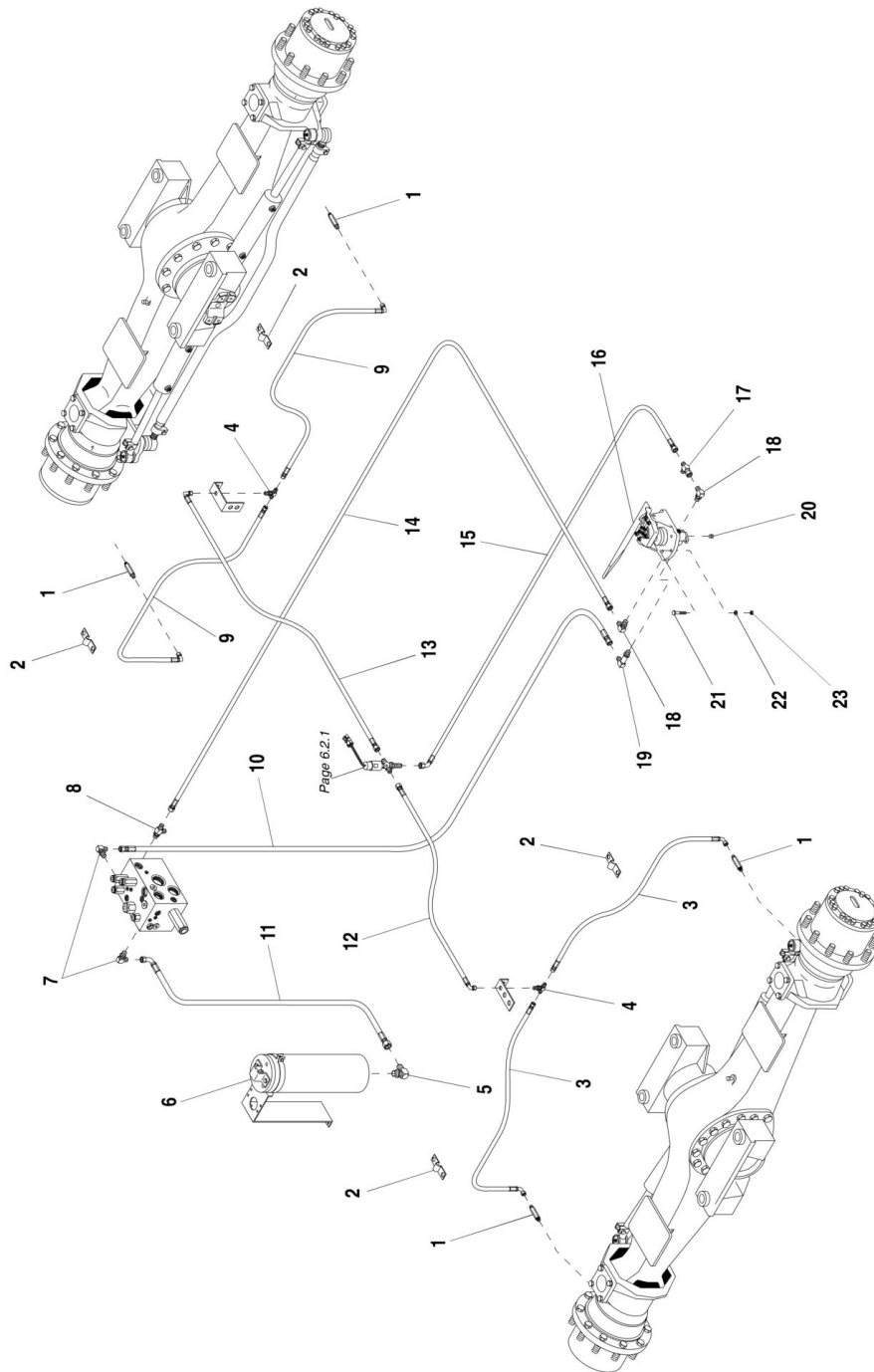
SECTION 8 - STEERING AND BRAKE HYDRAULICS

FIGURE 8-1. STEERING HYDRAULIC CIRCUIT (644B-37 SN 101 through 666, Excluding 591; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621; 1044C-42 SN 101 through 116; 1044C-54 SN 101 through 154; 6K-37 SN 101 through 317; 6K-42 SN 101 through 119; 8K-42 SN 101 through 220; 10K-42 SN 101 through 106; 10K-54 SN 101 through 103)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P18935	6	90, Elbow, O-Ring	
2	P19891	2	Hyd Hose, 3/8in x 24in	
3	P27169	4	Hyd Hose, 3/8in x 27in	
4	P00202	2	Capscrew, Hx, 3/8in-16 x 3/4in	
5	P01310	6	Lockwasher, 3/8in	
6	21508A	1	Bulkhead Mount, Front	
7	24186A	1	Bulkhead Mount, Rear	
8	P18942	4	Tee, Bulkhead	
9	P19815	2	45, Elbow, O-Ring	
10	36590X	2	Hyd Hose, 3/8in x 21in	
11	36591X	2	Hyd Hose, 3/8in x 89in	
12	P24620	1	Hyd Hose, 3/8in x 78in	
13	P18936	5	Connector, O-Ring	
14	P29100	1	Valve, Steering Selector	
15	P18085	1	Handle, Steering Selector	
16	P01816	4	Capscrew, Socket Hd, 3/8in-16 x 3/4in	
17	P18960	1	Connector, O-Ring	
18	P18944	3	Connector, O-Ring	
19	P19414	1	Check Valve	
20	39751B	1	Steer Motor (Replaces P19293)	
20	P92396	1	Seal Kit	
21	P28616	2	Hyd Hose, 3/8in x 30in	
22	P18995	1	Tee, Union	
23	P18956	1	90, Elbow, O-Ring	
24	P19248	1	90, Elbow, O-Ring	
25	P25201	1	Hyd Hose, 1/4in x 34in	
26	P19473	1	Hyd Hose, 3/8in x 12in	
27	37259X	1	Hyd Hose, 3/8in x 30in	
28	37175X	1	Hyd Hose, 3/8in x 102in	
29	P24624	1	Hyd Hose, 3/8in x 81in	
30	P27656	1	Hyd Hose, 3/8in x 59in	
31	36594X	1	Hyd Hose, 3/8in x 35in	
32	P18947	4	45, Elbow, Bulkhead	
33	P25684	1	45, Elbow, Bulkhead	
34	P21175	3	45, Elbow, Swivel	
35	P30160	1	Hyd Hose, 3/8in x 42in	
36	P25208	1	Hyd Hose, 1/4in x 41in	
37	P27123	1	Hyd Hose, 3/8in x 44in	

SECTION 8 - STEERING AND BRAKE HYDRAULICS

FIGURE 8-2. SERVICE BRAKE HYDRAULIC CIRCUIT (644B-37 SN 101 through 666, Excluding 591; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621; 1044C-42 SN 101 through 116; 1044C-54 SN 101 through 154; 6K-42 SN 101 through 119; 8K-42 SN 101 through 220; 10K-42 SN 101 through 106; 10K-54 SN 101 through 103)



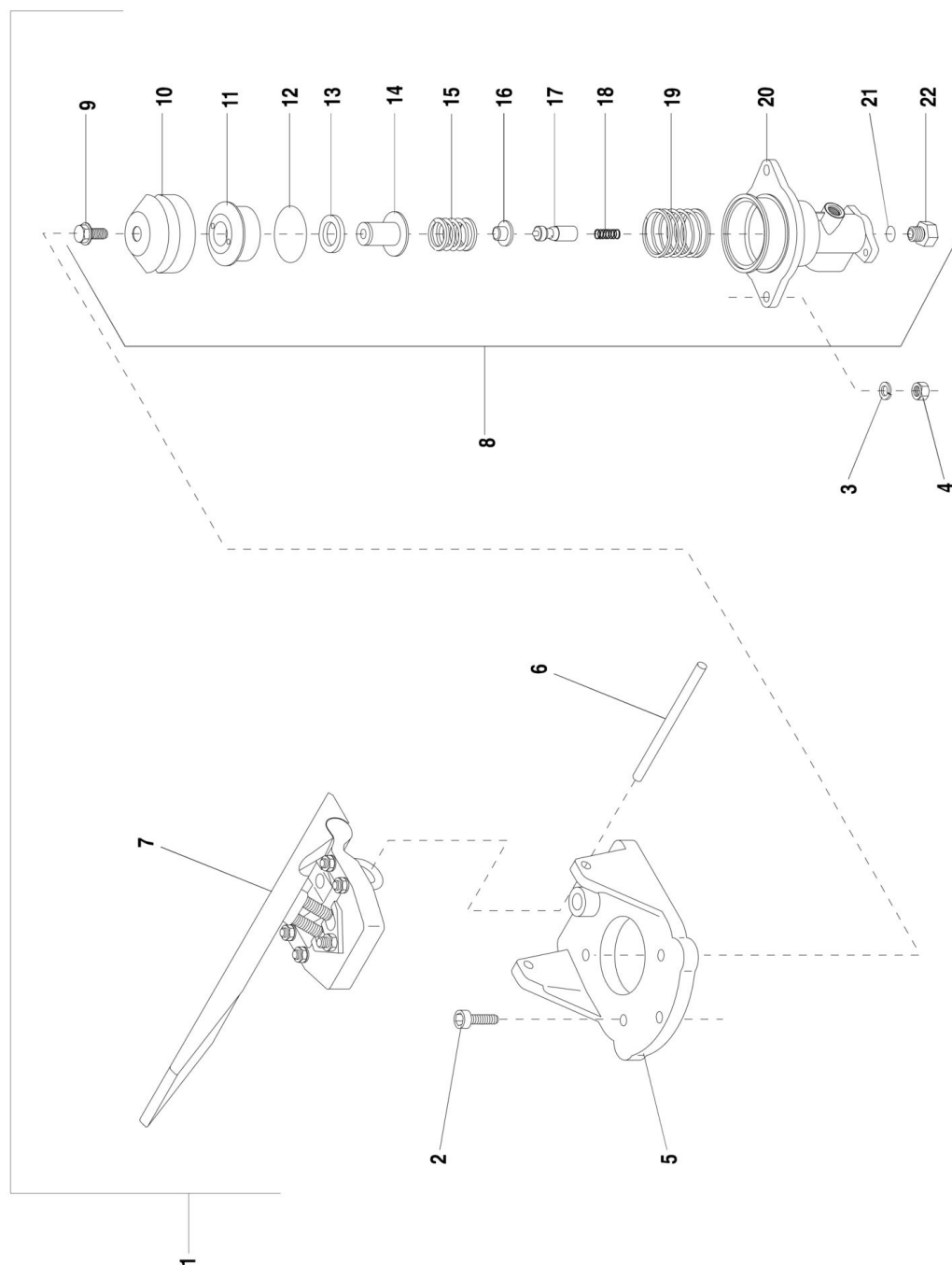
SECTION 8 - STEERING AND BRAKE HYDRAULICS

FIGURE 8-2. SERVICE BRAKE HYDRAULIC CIRCUIT (644B-37 SN 101 through 666, Excluding 591; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621; 1044C-42 SN 101 through 116; 1044C-54 SN 101 through 154; 6K-42 SN 101 through 119; 8K-42 SN 101 through 220; 10K-42 SN 101 through 106; 10K-54 SN 101 through 103)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P24991	4	Connector, Special	
2	24190A	4	Clamp, Hyd Hose	
3	37176X	2	Hyd Hose, 1/4in x 47in (Use with Wet Disc Brakes)	
3	37520X	2	Hyd Hose, 1/4in x 60in (Use with Dry Disc Brakes)	
4	P26099	2	Tee, Bulkhead	
5	P18956	1	90, Elbow, O-Ring	
6	P31556	1	Accumulator (Use with Wet Disc Brakes)	
6	P40147	-	Accumulator (Use with Dry Disc Brakes) (See ACCUMULATOR ASSEMBLY for Breakdown)	
7	P18935	2	90, Elbow, O-Ring	
8	P21914	1	Tee, O-Ring	
9	37263X	2	Hyd Hose, 1/4in x 52in (Use with Wet Disc Brakes)	
9	37520X	2	Hyd Hose, 1/4in x 60in (Use with Dry Disc Brakes)	
10	P19788	1	Hyd Hose, 3/8in x 51in	
11	36595X	1	Hyd Hose, 3/8in x 41in	
12	37261X	1	Hyd Hose, 1/4in x 51in	
13	P21640	1	Hyd Hose, 1/4in x 62in	
14	37251X	1	Hyd Hose, 1/4in x 49in	
15	37262X	1	Hyd Hose, 1/4in x 35in	
16	P33151	1	Valve, Brake (See SERVICE BRAKE VALVE ASSEMBLY for Breakdown)	
17	P19412	1	Tee, Swivel	
18	P18935	2	90, Elbow, O-Ring	
19	P29013	1	90, Elbow, O-Ring (Long)	
20	P10736	1	Pipe Plug, Countersunk	
21	P00107	3	Capscrew, Hx, 5/16in-18 x 1 3/4in	
22	P01309	3	Lockwasher, 5/16in	
23	P01507	3	Nut, Hx, 5/16in-18	

SECTION 8 - STEERING AND BRAKE HYDRAULICS

FIGURE 8-3. SERVICE BRAKE VALVE ASSEMBLY (644B-37 SN 101 through 666, Excluding 591; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621; 1044C-42 SN 101 through 116; 1044C-54 SN 101 through 154; 6K-37 SN 101 through 317; 6K-42 SN 101 through 119; 8K-42 SN 101 through 220; 10K-42 SN 101 through 106; 10K-54 SN 101 through 103)



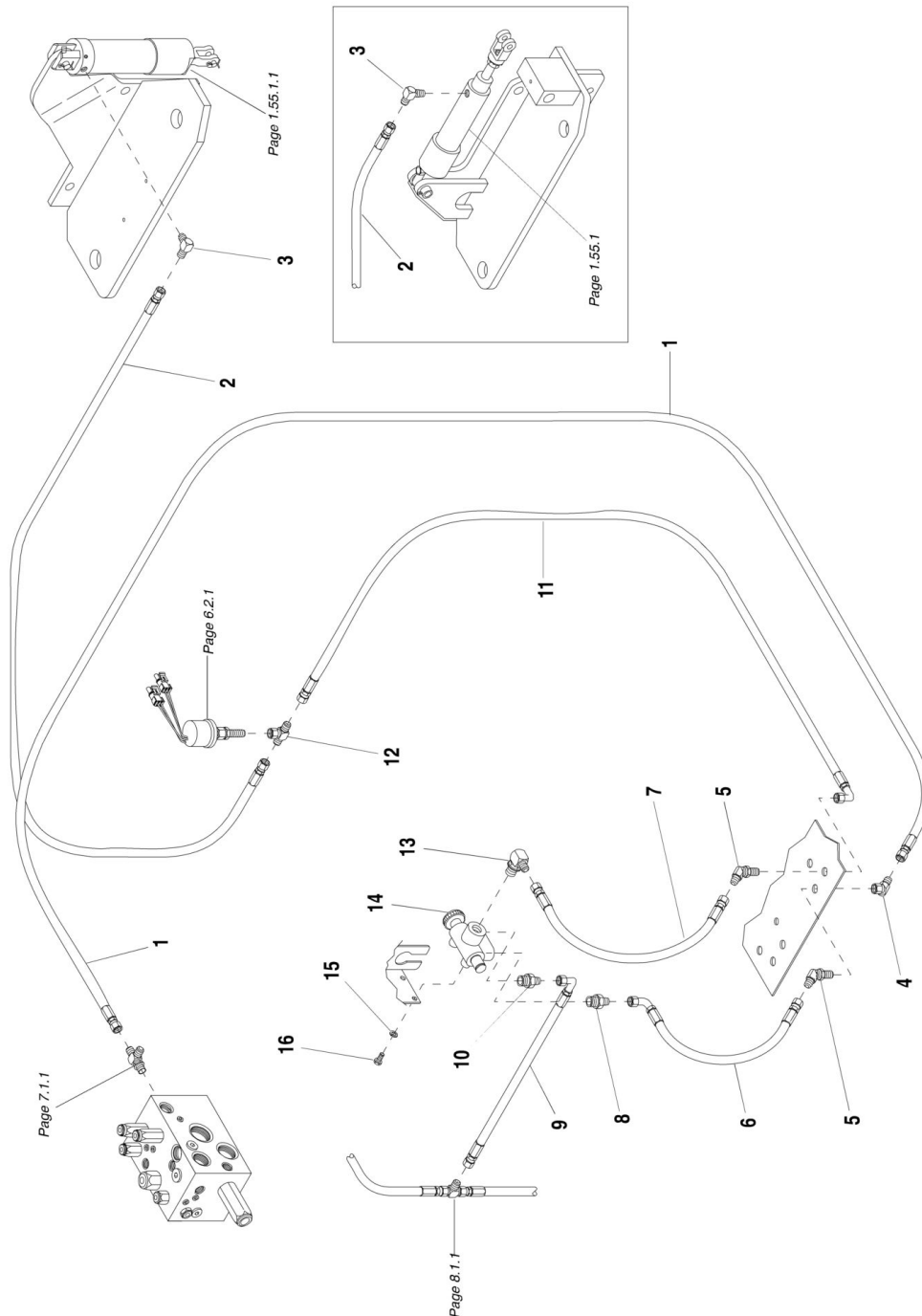
SECTION 8 - STEERING AND BRAKE HYDRAULICS

FIGURE 8-3. SERVICE BRAKE VALVE ASSEMBLY (644B-37 SN 101 through 666, Excluding 591; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621; 1044C-42 SN 101 through 116; 1044C-54 SN 101 through 154; 6K-37 SN 101 through 317; 6K-42 SN 101 through 119; 8K-42 SN 101 through 220; 10K-42 SN 101 through 106; 10K-54 SN 101 through 103)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P33151	1	Brake Valve Assembly	
2	P01786	2	Capscrew, Socket Hd, 5/16in-18 x 1in	
3	P01309	2	Lockwasher, 5/16in	
4	P01557	2	Jam Nut, Hx, 5/16in-18	
5	37337X	1	Base, Actuator	
6	37338X	1	Pin, Pedal Mounting	
7	37339X	1	Pedal Assembly	
8	37340X	1	Valve Assembly (Includes Items 9-22)	
9	37341X	1	Capscrew, Hx Flange Hd, 3/8in-16 x 1in	
10	N.S.S.	1	Boot, Rubber	
11	37342X	1	Guide, Piston	
12	N.S.S.	1	O-Ring	
13	N.S.S.	1	Seal, Polypak	
14	37343X	1	Piston	
15	37344X	1	Spring, Regulator	
16	37345X	1	Seat, Spring	
17	N.S.S.	1	Spool	
18	37346X	1	Spring, Spool Return	
19	37347X	1	Spring, Piston Return	
20	N.S.S.	1	Body	
21	37348X	1	O-Ring	
22	37349X	1	Port Adapter	
Ref	37350X	1	Seal Kit (Includes Items 10, 12, 13 & 21)	
		Ref	N.S.S. = Not Sold Separately	

SECTION 8 - STEERING AND BRAKE HYDRAULICS

FIGURE 8-4. PARK BRAKE HYDRAULIC CIRCUIT (644B-37 SN 101 through 666, Excluding 591; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621; 1044C-42 SN 101 through 116; 1044C-54 SN 101 through 154; 6K-37 SN 101 through 317; 6K-42 SN 101 through 119; 8K-42 SN 101 through 220; 10K-42 SN 101 through 106; 10K-54 SN 101 through 103)



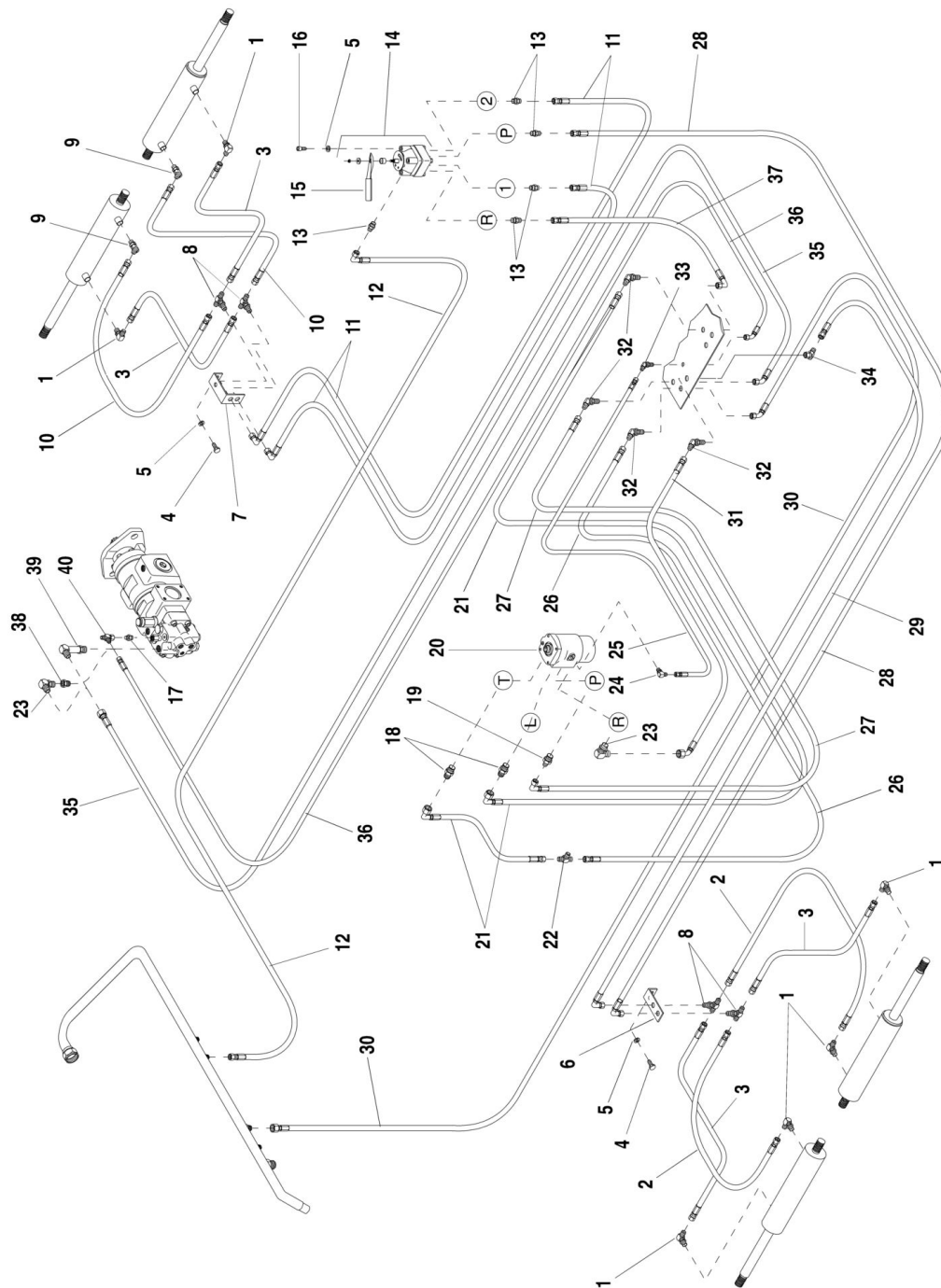
SECTION 8 - STEERING AND BRAKE HYDRAULICS

FIGURE 8-4. PARK BRAKE HYDRAULIC CIRCUIT (644B-37 SN 101 through 666, Excluding 591; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621; 1044C-42 SN 101 through 116; 1044C-54 SN 101 through 154; 6K-37 SN 101 through 317; 6K-42 SN 101 through 119; 8K-42 SN 101 through 220; 10K-42 SN 101 through 106; 10K-54 SN 101 through 103)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	37177X	1	Hyd Hose, 3/8in x 55in	
2	P19497	1	Hyd Hose, 3/8in x 32in	
3	P20374	1	90, Elbow, JIC - Pipe	
4	P21175	1	45, Elbow, Swivel	
5	P18947	2	45, Elbow, Bulkhead	
6	P27185	1	Hyd Hose, 3/8in x 23in	
7	P19891	1	Hyd Hose, 3/8in x 24in	
8	P19414	1	Check Valve	
9	P20857	1	Hyd Hose, 3/8in x 15in	
10	65649A	1	Check Valve (Replaces P19415)	
11	P30569	1	Hyd Hose, 3/8in x 52in	
12	P19845	1	Tee, Swivel Branch	
13	P19724	1	90, Elbow, O-Ring	
14	P40135	1	Valve, Park Brake (See PARK BRAKE VALVE ASSEMBLY for Breakdown)	
15	P01309	2	Lockwasher, 5/16in	
16	P00102	2	Capscrew, Hx, 5/16in-18 x 3/4in	

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FIGURE 8-5. STEERING HYDRAULIC CIRCUIT (MID INLET) (644B-37 SN 667 to Present, Including 591; 644B-42 SN 208 to Present; 844C-42 SN 622 to Present; 1044C-42 SN 117 to Present; 1044C-54 SN 155 to Present; 6K-37 SN 318 to Present; 6K-42 SN 120 to Present; 8K-42 SN 221 to Present; 10K-42 SN 107 to Present; 10K-54 SN 104 to Present)



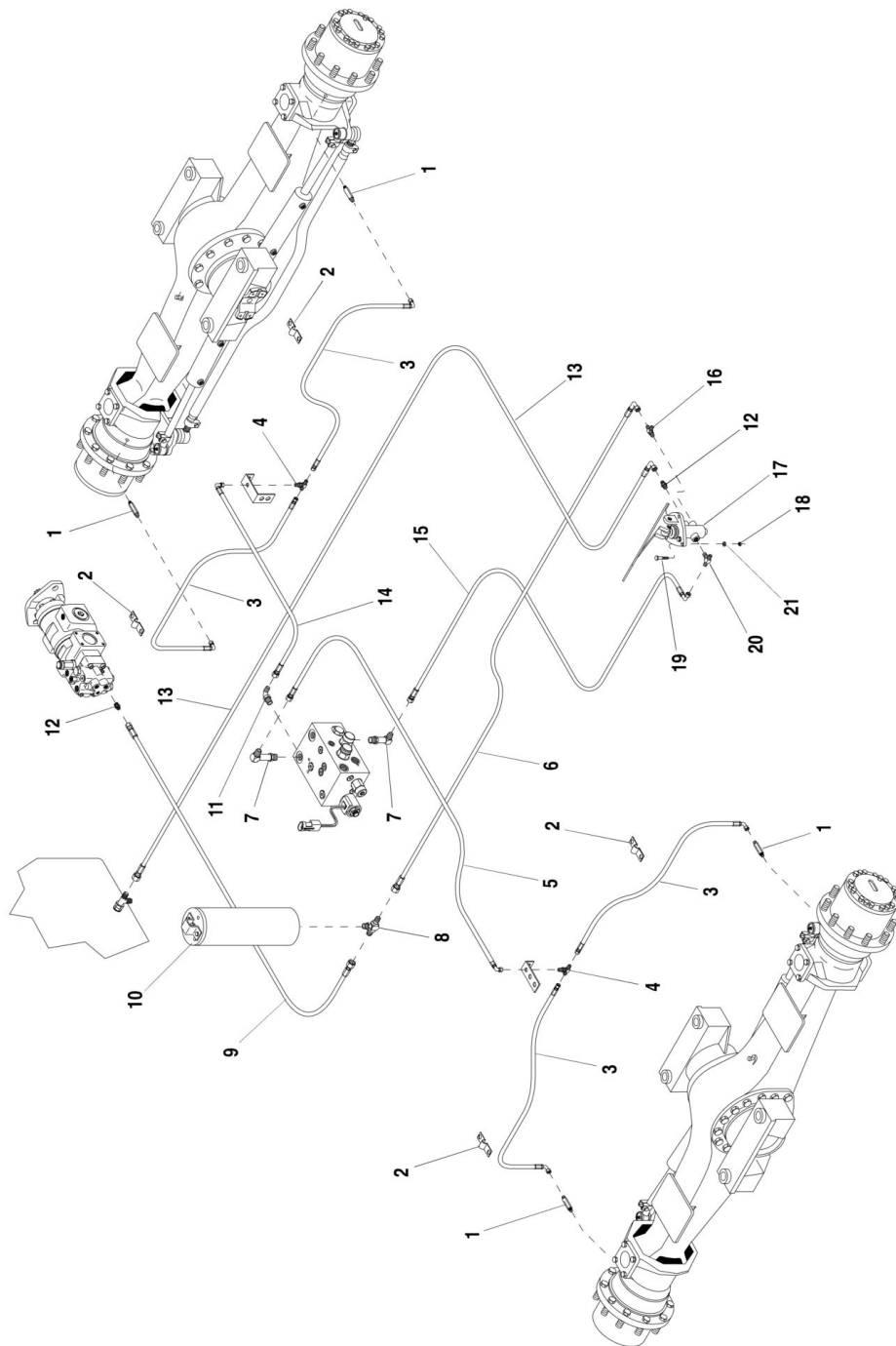
SECTION 8 - STEERING AND BRAKE HYDRAULICS

FIGURE 8-5. STEERING HYDRAULIC CIRCUIT (MID INLET) (644B-37 SN 667 to Present, Including 591; 644B-42 SN 208 to Present; 844C-42 SN 622 to Present; 1044C-42 SN 117 to Present; 1044C-54 SN 155 to Present; 6K-37 SN 318 to Present; 6K-42 SN 120 to Present; 8K-42 SN 221 to Present; 10K-42 SN 107 to Present; 10K-54 SN 104 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P18935	6	90, Elbow, O-Ring	
2	P19891	2	Hyd Hose, 3/8in x 24in	
3	P27169	4	Hyd Hose, 3/8in x 27in	
4	P00202	2	Capscrew, Hx, 3/8in-16 x 3/4in	
5	P01310	6	Lockwasher, 3/8in	
6	21508A	1	Bulkhead Mount, Front	
7	24186A	1	Bulkhead Mount, Rear	
8	P18942	4	Tee, Bulkhead	
9	P19815	2	45, Elbow, O-Ring	
10	36590X	2	Hyd Hose, 3/8in x 21in	
11	36591X	2	Hyd Hose, 3/8in x 89in	
12	37621X	1	Hyd Hose, 3/8in x 73in	
13	P18936	5	Connector, O-Ring	
14	P29100	1	Valve, Steering Selector	
15	P18085	1	Handle, Steering Selector	
16	P01816	4	Capscrew, Socket Hd, 3/8in-16 x 3/4in	
17	P18960	1	Connector, O-Ring	
18	37053X	2	Connector, O-Ring (Replaces P18944)	
19	P19414	1	Check Valve	
20	39751B	1	Steer Motor	
20	P92396	1	Seal Kit	
21	P28616	2	Hyd Hose, 3/8in x 30in	
22	P18995	1	Tee, Union	
23	P18956	1	90, Elbow, O-Ring	
24	P19248	1	90, Elbow, O-Ring	
25	P25201	1	Hyd Hose, 1/4in x 34in	
26	P19473	1	Hyd Hose, 3/8in x 12in	
27	37259X	1	Hyd Hose, 3/8in x 30in	
28	37175X	1	Hyd Hose, 3/8in x 102in	
29	P24624	1	Hyd Hose, 3/8in x 81in	
30	37507X	1	Hyd Hose, 3/8in x 60in	
31	36594X	1	Hyd Hose, 3/8in x 35in	
32	P18947	4	45, Elbow, Bulkhead	
33	P25684	1	45, Elbow, Bulkhead	
34	P21175	1	45, Elbow, Swivel	
35	37623X	1	Hyd Hose, 3/8in x 54in	
36	37622X	1	Hyd Hose, 1/4in x 52in	
37	P27123	1	Hyd Hose, 3/8in x 44in	
38	P28983	1	Adaptor, O-Ring	
39	P27392	1	90, Elbow, O-Ring (Long)	
40	P27399	1	Tee, Swivel Run	

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FIGURE 8-6. SERVICE BRAKE HYDRAULIC CIRCUIT (MID INLET) (644B-37 SN 667 through 1289, SN 1293 through 1303, Including 591; 644B-42 SN 208 through 341, SN 344 through 362; 844C-42 SN 622 through 1352, Except SN 1341 through 1342, Excluding 1199, 1255, 1310 and 1330; 1044C-42 SN 117 through 126; 1044C-54 SN 155 through 313, Except SN 305 through 306, Excluding 287 and 291; 6K-37 SN 318 through 494; 6K-42 SN 120 through 178; 8K-42 SN 221 through 333, Excluding 328 and 331; 10K-42 SN 107 through 108; 10K-54 SN 104 through 113)



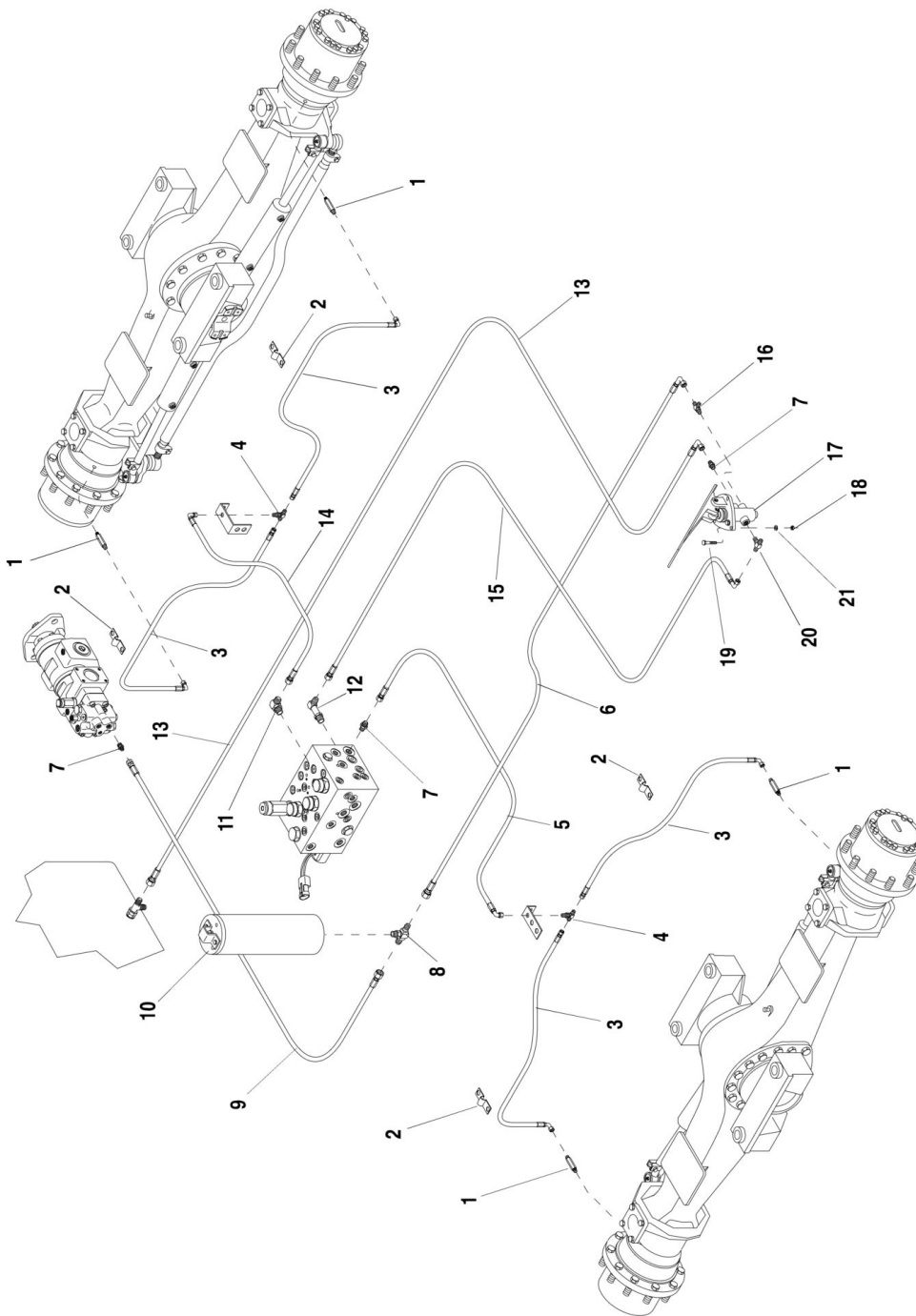
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FIGURE 8-6. SERVICE BRAKE HYDRAULIC CIRCUIT (MID INLET) (644B-37 SN 667 through 1289, SN 1293 through 1303, Including 591; 644B-42 SN 208 through 341, SN 344 through 362; 844C-42 SN 622 through 1352, Except SN 1341 through 1342, Excluding 1199, 1255, 1310 and 1330; 1044C-42 SN 117 through 126; 1044C-54 SN 155 through 313, Except SN 305 through 306, Excluding 287 and 291; 6K-37 SN 318 through 494; 6K-42 SN 120 through 178; 8K-42 SN 221 through 333, Excluding 328 and 331; 10K-42 SN 107 through 108; 10K-54 SN 104 through 113)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P31338	4	Connector, Special	
2	24190A	4	Clamp, Hyd Hose	
3	37263X	4	Hyd Hose, 1/4in x 52in (Use with Wet Disc Brakes)	
3	37520X	2	Hyd Hose, 1/4in x 60in (Use with Dry Disc Brakes)	
4	P26099	2	Tee, Bulkhead	
5	37625X	1	Hyd Hose, 1/4in x 59in	
6	37515X	1	Hyd Hose, 3/8in x 34in	
7	P29013	2	90, Elbow, O-Ring (Long)	
8	65644A	1	Tee, O-Ring	
9	P19065	1	Hyd Hose, 3/8in x 27in	
10	P31556	1	Accumulator (Use with Wet Disc Brakes)	
10	P40147	-	Accumulator (Use with Dry Disc Brakes) (See ACCUMULATOR ASSEMBLY for Breakdown)	
11	P18935	1	90, Elbow, O-Ring	
12	P18936	1	Connector, O-Ring	
13	P30177	1	Hyd Hose, 3/8in 73in	
14	37624X	1	Hyd Hose, 1/4in 89in	
15	P25867	1	Hyd Hose, 3/8in 58in	
16	P21914	1	Tee, O-Ring	
17	39696B	1	Valve, Brake 325 P.S.I (Use w/Wet Disc Brakes) (See SERVICE BRAKE VALVE ASSEMBLY (MID INLET) for Breakdown)	
17	39332B	1	Valve, Brake (Use with Dry Disc Brakes) (See SERVICE BRAKE VALVE ASSEMBLY (MID INLET) for Breakdown)	
18	P01508	3	Nut, Hx, 3/8in - 16	
19	P00207	3	Capscrew, Hx, 3/8in-16x 1 3/4in	
20	P18958	1	Tee, Branch O-Ring	
21	P01310	3	Lockwasher, 3/8in	

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FIGURE 8-7. SERVICE BRAKE HYDRAULIC CIRCUIT (MID INLET) (1044C-42,10K-42,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 1290 through 1292, SN 1304 to Present; 644B-42 SN 342 through 343, SN 363 to Present; 844C-42 SN 1341 through 1342, SN 1353 to Present, Including 1199, 1255, 1310 and 1330; 1044C-42 SN 127 to Present; 6K-37 SN 495 to Present; 6K-42 SN 179 to Present; 8K-42 SN 334 to Present, Including 328 and 331; 10K-42 SN 109 to Present)



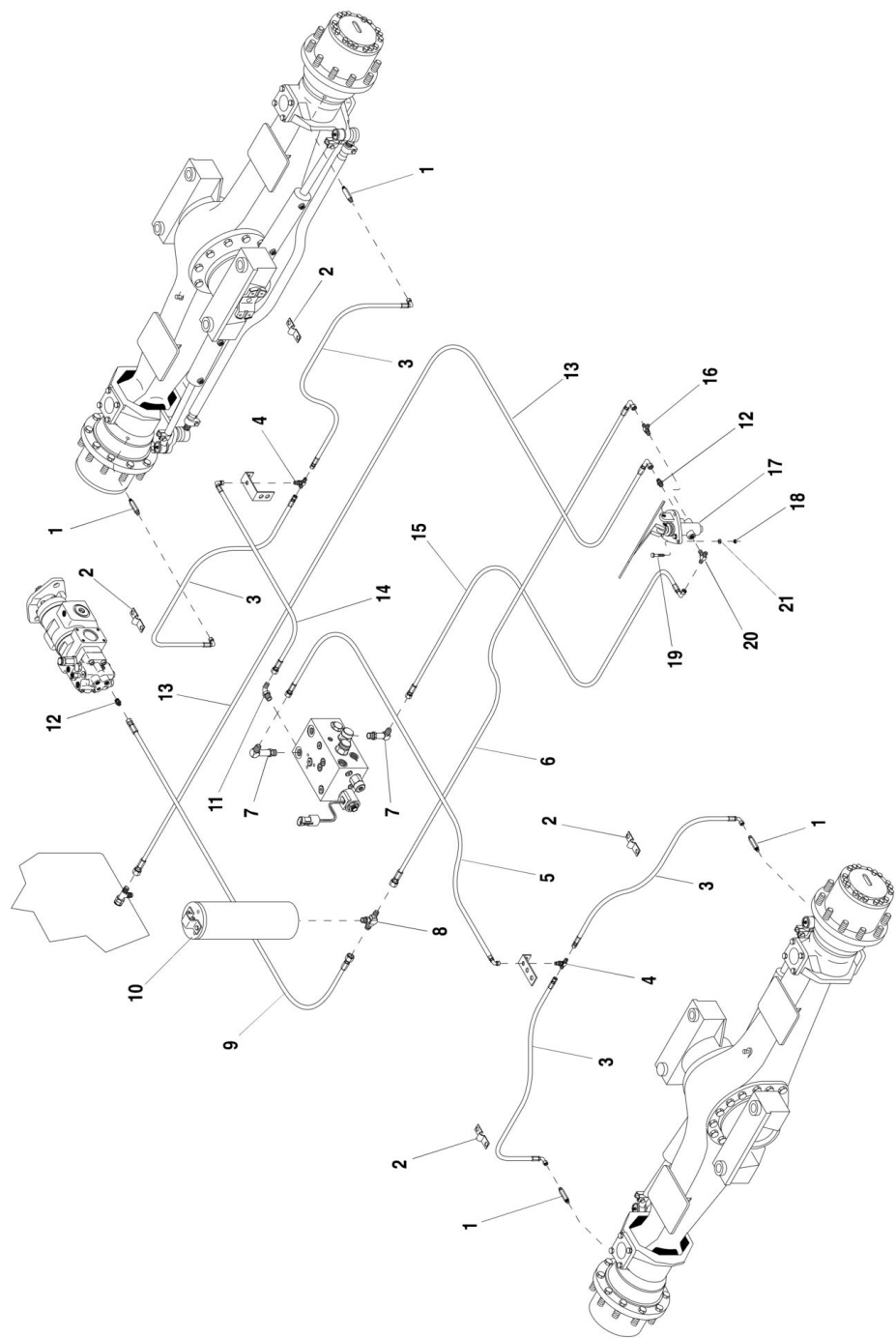
SECTION 8 - STEERING AND BRAKE HYDRAULICS

FIGURE 8-7. SERVICE BRAKE HYDRAULIC CIRCUIT (MID INLET) (1044C-42,10K-42,644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 1290 through 1292, SN 1304 to Present; 644B-42 SN 342 through 343, SN 363 to Present; 844C-42 SN 1341 through 1342, SN 1353 to Present, Including 1199, 1255, 1310 and 1330; 1044C-42 SN 127 to Present; 6K-37 SN 495 to Present; 6K-42 SN 179 to Present; 8K-42 SN 334 to Present, Including 328 and 331; 10K-42 SN 109 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P31338	4	Connector, Special	
2	24190A	4	Clamp, Hyd Hose	
3	37263X	4	Hyd Hose, 1/4in x 52in (Use with Wet Disc Brakes)	
3	37520X	2	Hyd Hose, 1/4in x 60in (Use with Dry Disc Brakes)	
4	P26099	2	Tee, Bulkhead	
5	37261X	1	Hyd Hose, 1/4in x 51in	
6	37515X	1	Hyd Hose, 3/8in x 34in	
7	P18936	3	Connector, O-Ring	
8	65644A	1	Tee, O-Ring	
9	P19065	1	Hyd Hose, 3/8in x 27in	
10	P31556	1	Accumulator (Use with Wet Disc Brakes)	
10	P40147	-	Accumulator (Use with Dry Disc Brakes) (See ACCUMULATOR ASSEMBLY for Breakdown)	
11	P18935	1	90, Elbow, O-Ring	
12	P29013	1	90, Elbow, O-Ring (Long)	
13	P30177	1	Hyd Hose, 3/8in x 73in	
14	37252X	1	Hyd Hose, 1/4in x 78in	
15	P27667	1	Hyd Hose, 3/8in x 48in	
16	P21914	1	Tee, O-Ring	
17	39696B	1	Valve, Brake 325 P.S.I (Use w/Wet Disc Brakes) (See SERVICE BRAKE VALVE ASSEMBLY (MID INLET) for Breakdown)	
17	39332B	1	Valve, Brake (Use with Dry Disc Brakes) (See SERVICE BRAKE VALVE ASSEMBLY (MID INLET) for Breakdown)	
18	P01508	3	Nut, Hx, 3/8in-16	
19	P00207	3	Capscrew, Hx, 3/8in-16 x 1 3/4in	
20	P18958	1	Tee, Branch O-Ring	
21	P01310	3	Lockwasher, 3/8in	

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FIGURE 8-8. SERVICE BRAKE HYDRAULIC CIRCUIT (MID INLET) (1044C-54,10K-54) (1044C-54 SN 155 through 313, Except SN 305 through 306, Excluding 287 and 291; 10K-54 SN 104 through 113)



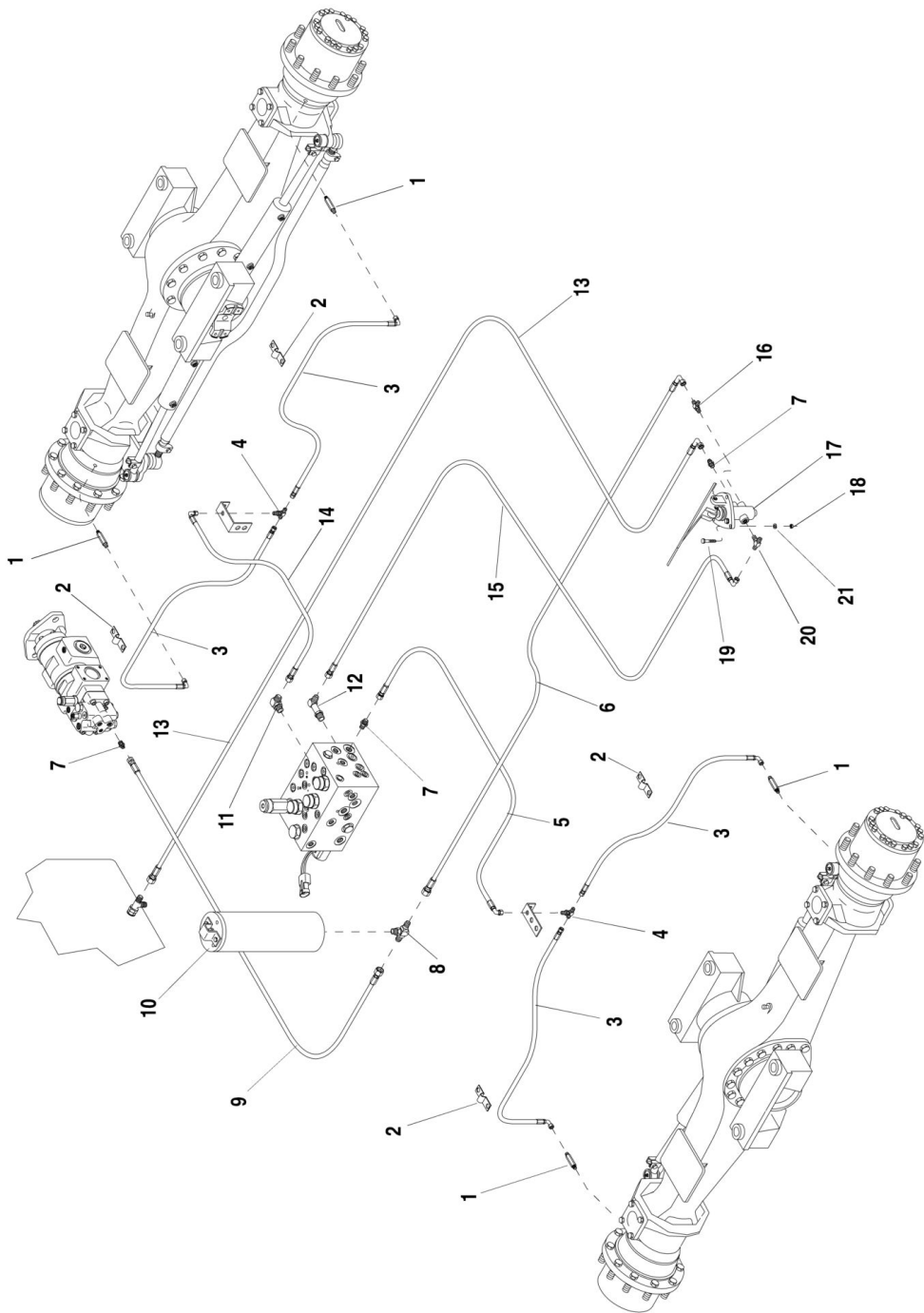
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FIGURE 8-8. SERVICE BRAKE HYDRAULIC CIRCUIT (MID INLET) (1044C-54,10K-54) (1044C-54 SN 155 through 313, Except SN 305 through 306, Excluding 287 and 291; 10K-54 SN 104 through 113)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P31338	4	Connector, Special	
2	24190A	4	Clamp, Hyd Hose	
3	37263X	4	Hyd Hose, 1/4in x 52in (Use with Wet Disc Brakes)	
3	37520X	2	Hyd Hose, 1/4in x 60in (Use with Dry Disc Brakes)	
4	P26099	2	Tee, Bulkhead	
5	37625X	1	Hyd Hose, 1/4in x 59in	
6	37515X	1	Hyd Hose, 3/8in x 34in	
7	P29013	2	90, Elbow, O-Ring (Long)	
8	65644A	1	Tee, O-Ring	
9	P19065	1	Hyd Hose, 3/8in x 27in	
10	P31556	1	Accumulator (Use with Wet Disc Brakes)	
10	P40147	-	Accumulator (Use with Dry Disc Brakes) (See ACCUMULATOR ASSEMBLY for Breakdown)	
11	P18935	1	90, Elbow, O-Ring	
12	P18936	1	Connector, O-Ring	
13	P30177	1	Hyd Hose, 3/8in x 73in	
14	37624X	1	Hyd Hose, 1/4in x 89in	
15	P25867	1	Hyd Hose, 3/8in x 58in	
16	P21914	1	Tee, O-Ring	
17	39696B	1	Valve, Brake 325 P.S.I (Use w/Wet Disc Brakes) (See SERVICE BRAKE VALVE ASSEMBLY (MID INLET) for Breakdown)	
17	39332B		Valve, Brake (Use with Dry Disc Brakes) (See SERVICE BRAKE VALVE ASSEMBLY (MID INLET) for Breakdown)	
18	P01508	3	Nut, Hx, 3/8in-16	
19	P00207	3	Capscrew, Hx, 3/8in-16 x 1 3/4in	
20	P18958	1	Tee, Branch O-Ring	
21	P01310	3	Lockwasher, 3/8in	

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FIGURE 8-9. SERVICE BRAKE HYDRAULIC CIRCUIT (MID INLET) (1044C-54,10K-54) (1044C-54 SN 305 through 306, SN 314 to Present, Including 287 and 291; 10K-54 SN 114 to Present)



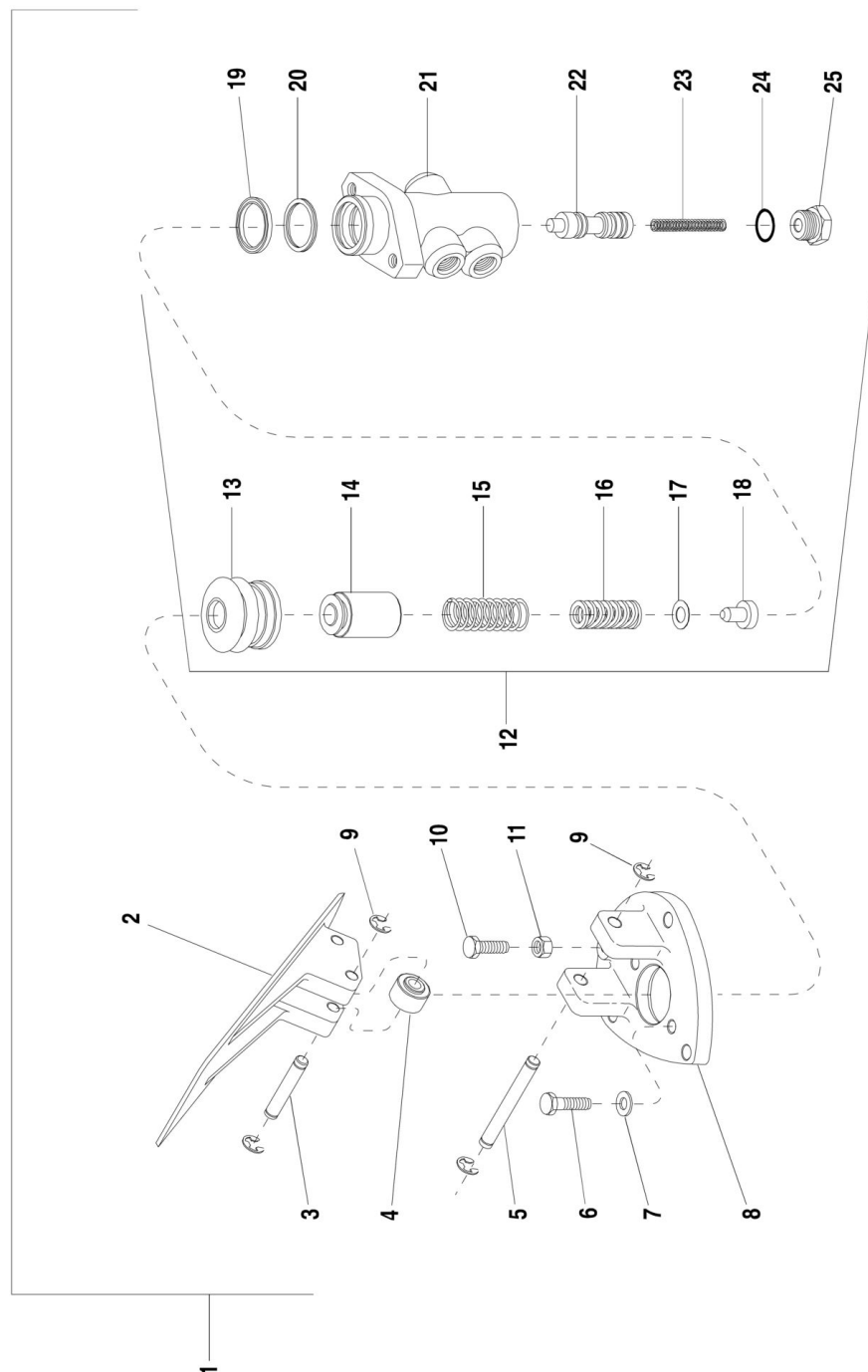
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FIGURE 8-9. SERVICE BRAKE HYDRAULIC CIRCUIT (MID INLET) (1044C-54,10K-54) (1044C-54 SN 305 through 306, SN 314 to Present, Including 287 and 291; 10K-54 SN 114 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P31338	4	Connector, Special	
2	24190A	4	Clamp, Hyd Hose	
3	37263X	4	Hyd Hose, 1/4in x 52in (Use with Wet Disc Brakes)	
3	37520X	2	Hyd Hose, 1/4in x 60in (Use with Dry Disc Brakes)	
4	P26099	2	Tee, Bulkhead	
5	37261X	1	Hyd Hose, 1/4in x 51in	
6	37515X	1	Hyd Hose, 3/8in x 34in	
7	P18936	3	Connector, O-Ring	
8	65644A	1	Tee, O-Ring	
9	P19065	1	Hyd Hose, 3/8in x 27in	
10	P31556	1	Accumulator (Use with Wet Disc Brakes)	
10	P40147	-	Accumulator (Use with Dry Disc Brakes) (See ACCUMULATOR ASSEMBLY for Breakdown)	
11	P18935	1	90, Elbow, O-Ring	
12	P29013	1	90, Elbow, O-Ring (Long)	
13	P30177	1	Hyd Hose, 3/8in x 73in	
14	37252X	1	Hyd Hose, 1/4in x 78in	
15	P27667	1	Hyd Hose, 3/8in x 48in	
16	P21914	1	Tee, O-Ring	
17	66988B	1	Valve, Brake 425 P.S.I (Use w/Wet Disc Brakes) (See SERVICE BRAKE VALVE ASSEMBLY (MID INLET) for Breakdown)	
17	39332B		Valve, Brake (Use with Dry Disc Brakes) (See SERVICE BRAKE VALVE ASSEMBLY (MID INLET) for Breakdown)	
18	P01508	3	Nut, Hx, 3/8in-16	
19	P00207	3	Capscrew, Hx, 3/8in-16 x 1 3/4in	
20	P18958	1	Tee, Branch O-Ring	
21	P01310	3	Lockwasher, 3/8in	

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FIGURE 8-10. SERVICE BRAKE VALVE ASSEMBLY (MID INLET) (644B-37 SN 667 to Present, Including 591; 644B-42 SN 208 to Present; 844C-42 SN 622 to Present; 1044C-42 SN 117 to Present; 1044C-54 SN 155 to Present; 6K-37 SN 318 to Present; 6K-42 SN 120 to Present; 8K-42 SN 221 to Present; 10K-42 SN 107 to Present; 10K-54 SN 104 to Present)



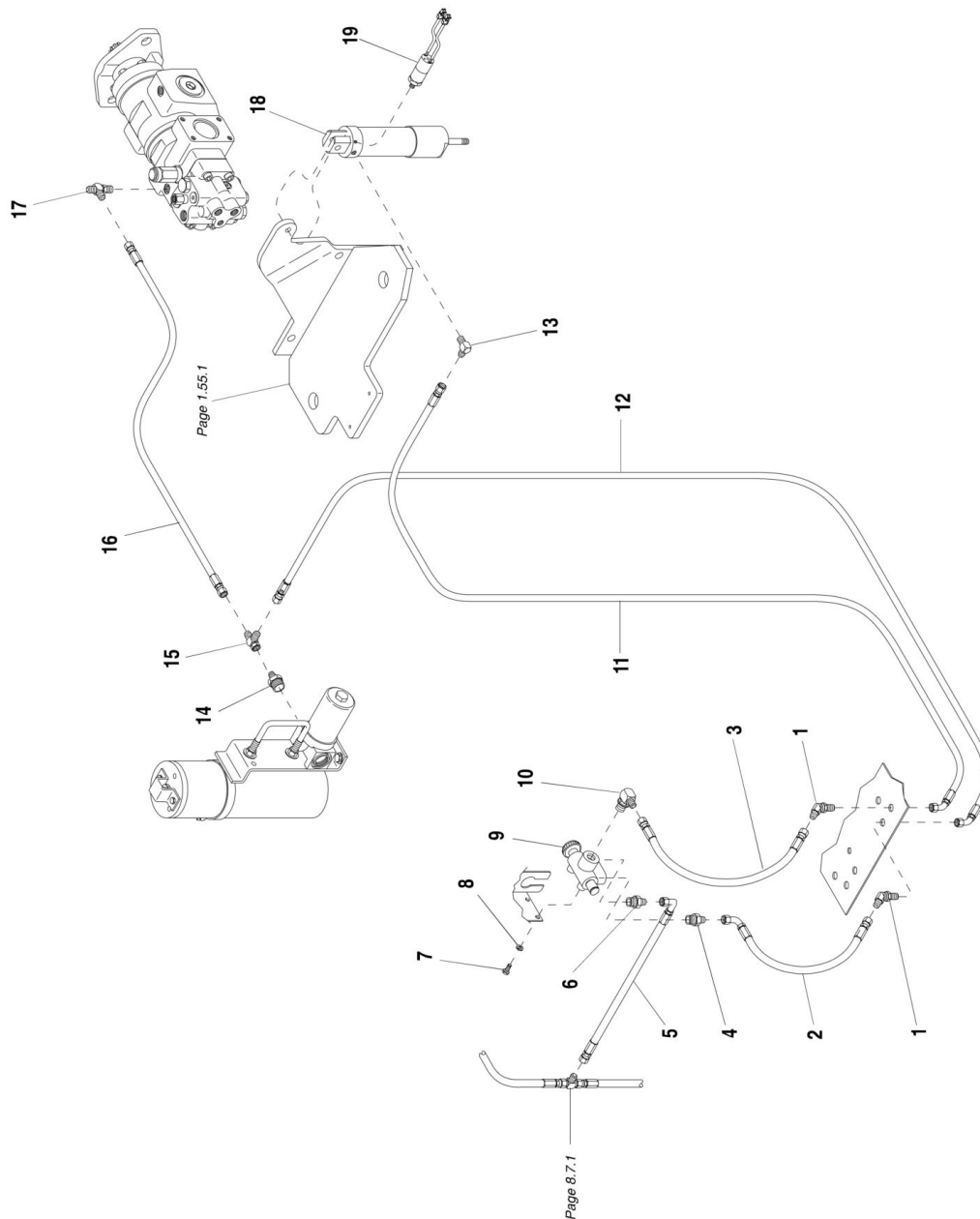
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FIGURE 8-10. SERVICE BRAKE VALVE ASSEMBLY (MID INLET) (644B-37 SN 667 to Present, Including 591; 644B-42 SN 208 to Present; 844C-42 SN 622 to Present; 1044C-42 SN 117 to Present; 1044C-54 SN 155 to Present; 6K-37 SN 318 to Present; 6K-42 SN 120 to Present; 8K-42 SN 221 to Present; 10K-42 SN 107 to Present; 10K-54 SN 104 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	39696B	1	Brake Valve Assembly (Use w/Wet Disc Brakes)	
1	66988B	-	Brake Valve Assembly (Use w/Wet Disc Brakes) (1044C-54,10K-54) (1044C-54 SN 302 to Present; 10K-54 SN 114 to Present)	
1	39332B	-	Brake Valve Assembly (Use w/Dry Disc Brakes)	
2	N.S.S.	1	Pedal, Brake	
3	N.S.S.	1	Pin, Cam	
4	N.S.S.	1	Cam	
5	N.S.S.	1	Pin, Pedal Mounting	
6	P00132	2	Capscrew, Hx Hd, 5/16in-18 x 1 1/4in GR 8	
7	P01434	2	Flatwasher, 5/16in SAE	
8	N.S.S.	1	Base, Actuator	
9	N.S.S.	4	C-Clip	
10	P00104	1	Capscrew, Hx Hd, 5/16in-18 x 1in	
11	P01507	1	Nut, Hx, 5/16in-18	
12	37081X	1	Valve Assembly (Includes Items 13-25)	
13	N.S.S.	1	Boot, Rubber	
14	N.S.S.	1	Piston	
15	N.S.S.	1	Spring	
16	N.S.S.	1	Spring	
17	N.S.S.	AR	Shim	
18	N.S.S.	1	Seat, Spring	
19	N.S.S.	1	Cup	
20	N.S.S.	1	Seal	
21	N.S.S.	1	Body	
22	N.S.S.	1	Spool	
23	N.S.S.	1	Spring, Spool Return (Note: Not used with 39332B Brake Valve)	
24	N.S.S.	1	O-Ring	
25	N.S.S.	1	Plug	
Ref	37080X	1	Repair Kit (Includes Items 6, 13, 19, 20, 24)	
		Ref	N.S.S. = Not Sold Separately	

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FIGURE 8-11. PARK BRAKE HYDRAULIC CIRCUIT (MID INLET) (644B-37 SN 667 through 1289, SN 1293 through 1303, Including 591; 644B-42 SN 208 through 341, SN 344 through 362; 844C-42 SN 622 through 1352, Except SN 1341 through 1342, Excluding 1199, 1255, 1310 and 1330; 1044C-42 SN 117 through 126; 1044C-54 SN 155 through 313, Except SN 305 through 306, Excluding 287 and 291; 6K-37 SN 318 through 494; 6K-42 SN 120 through 178; 8K-42 SN 221 through 327, SN 329 through 330, SN 332 through 333; 10K-42 SN 107 through 108; 10K-54 SN 104 through 113)



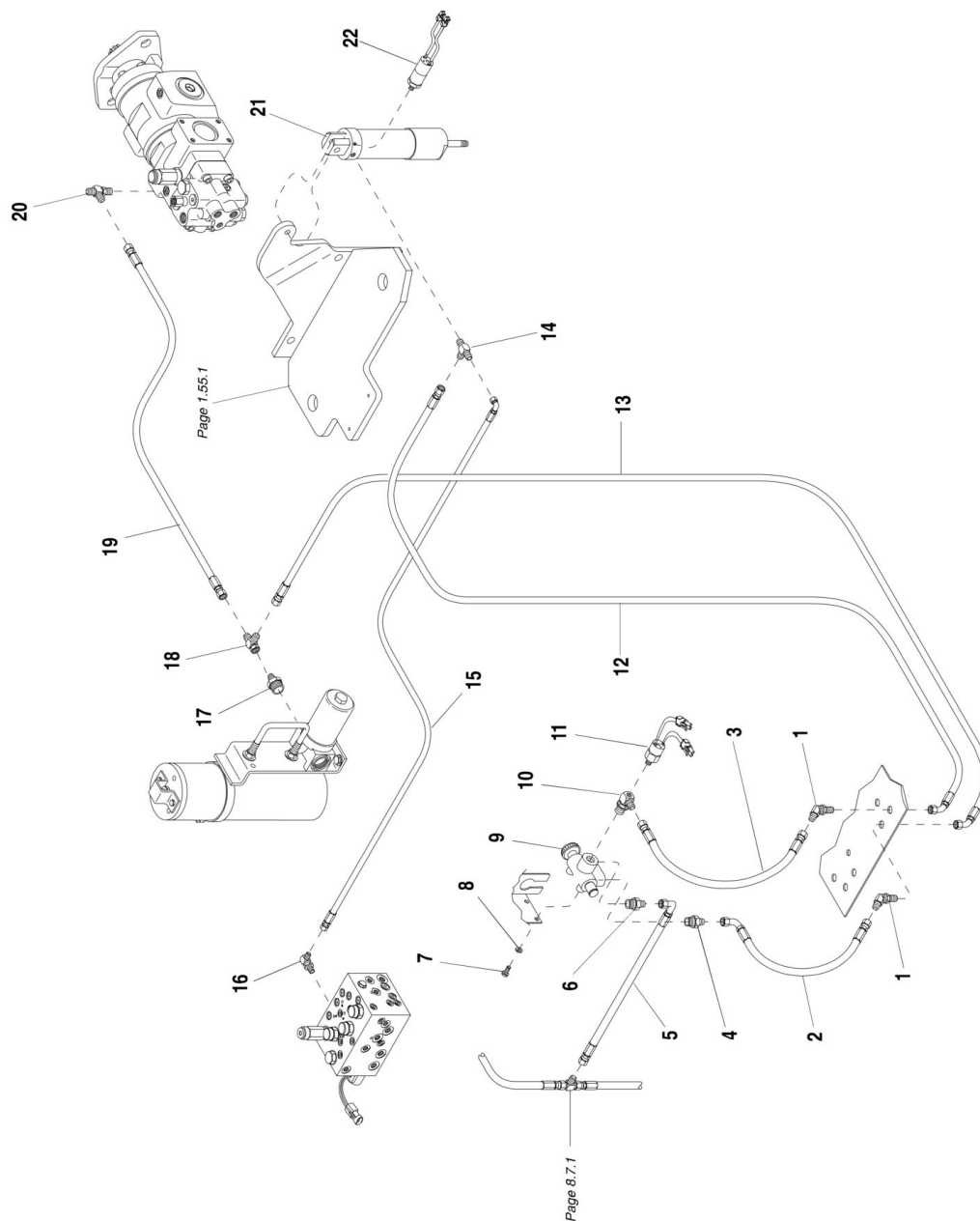
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FIGURE 8-11. PARK BRAKE HYDRAULIC CIRCUIT (MID INLET) (644B-37 SN 667 through 1289, SN 1293 through 1303, Including 591; 644B-42 SN 208 through 341, SN 344 through 362; 844C-42 SN 622 through 1352, Except SN 1341 through 1342, Excluding 1199, 1255, 1310 and 1330; 1044C-42 SN 117 through 126; 1044C-54 SN 155 through 313, Except SN 305 through 306, Excluding 287 and 291; 6K-37 SN 318 through 494; 6K-42 SN 120 through 178; 8K-42 SN 221 through 327, SN 329 through 330, SN 332 through 333; 10K-42 SN 107 through 108; 10K-54 SN 104 through 113)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P18947	2	45, Elbow, Bulkhead	
2	P27185	1	Hyd Hose, 3/8in x 23in	
3	P19891	1	Hyd Hose, 3/8in x 24in	
4	P19414	1	Check Valve	
5	P20857	1	Hyd Hose, 3/8in x 15in	
6	65649A	1	Check Valve (Replaces P19415)	
7	P00102	2	Capscrew, Hx, 5/16in-18 x 3/4in	
8	P01309	2	Lockwasher, 5/16in	
9	P40135	1	Valve, Parking Brake (See PARK BRAKE VALVE ASSEMBLY for Breakdown)	
10	P19724	1	90, Elbow, O-Ring	
11	37626X	1	Hyd Hose, 1/4in x 52in	
12	37508X	1	Hyd Hose, 3/8in x 46in	
13	P20374	1	90, Elbow, JIC - Pipe	
14	P21906	1	Adapter, O-Ring	
15	P19412	1	Tee, Swivel	
16	37609X	1	Hyd Hose, 1/4in x 30in	
17	P26604	1	Tee, O-Ring	
18	38805B	1	Cylinder, Park Brake	
19	37139A	1	Pressure Switch, Park Brake	

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FIGURE 8-12. PARK BRAKE HYDRAULIC CIRCUIT (MID INLET) (644B-37 SN 1290 through 1292, SN 1304 to Present; 644B-42 SN 342 through 343, SN 363 to Present; 844C-42 SN 1341 through 1342, SN 1353 to Present, Including 1199, 1255, 1310 and 1330; 1044C-42 SN 127 to Present; 1044C-54 SN 305 through 306, SN 314 to Present, Including 287 and 291; 6K-37 SN 495 to Present; 6K-42 SN 179 to Present; 8K-42 SN 334 to Present, Including 328 and 331; 10K-42 SN 109 to Present; 10K-54 SN 114 to Present)



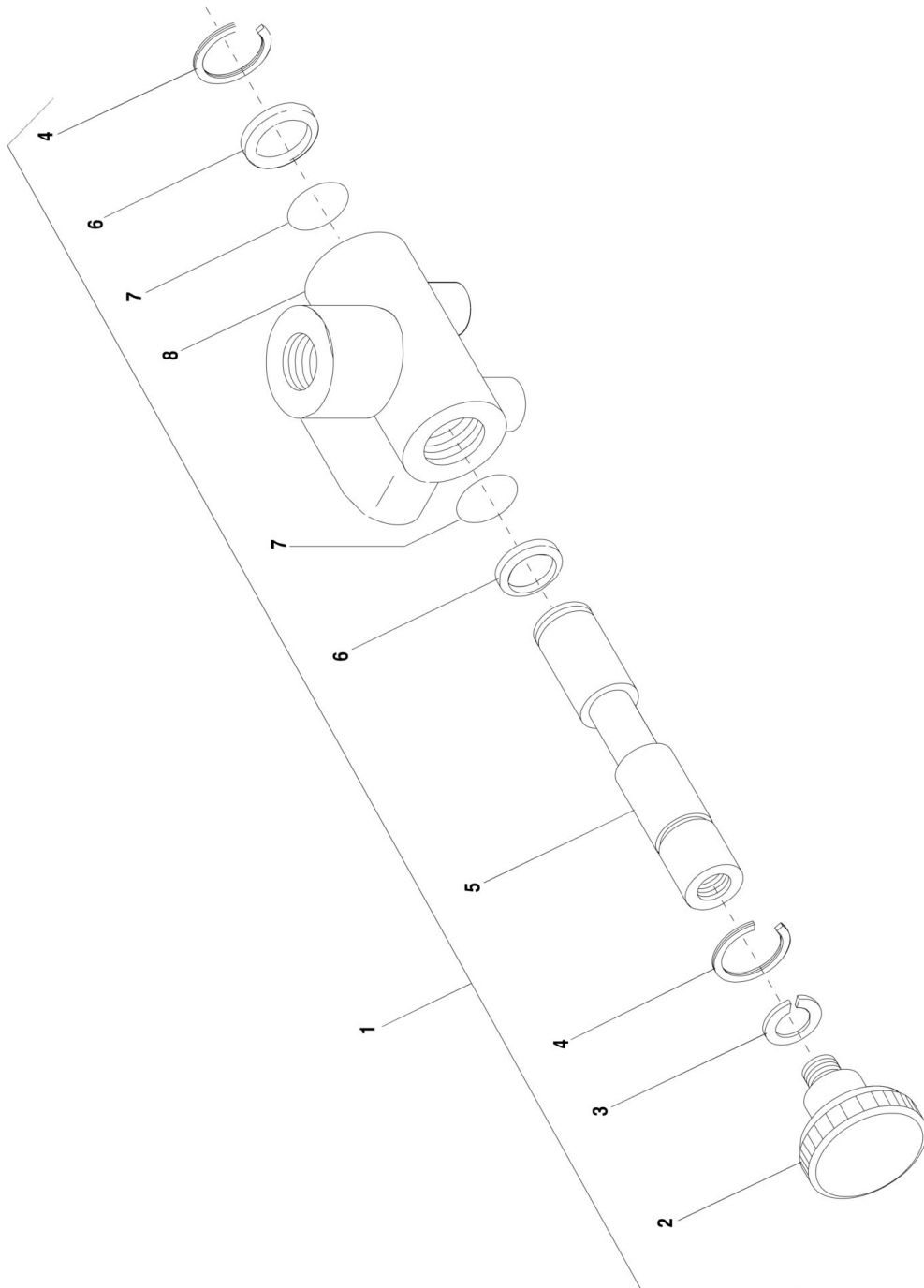
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FIGURE 8-12. PARK BRAKE HYDRAULIC CIRCUIT (MID INLET) (644B-37 SN 1290 through 1292, SN 1304 to Present; 644B-42 SN 342 through 343, SN 363 to Present; 844C-42 SN 1341 through 1342, SN 1353 to Present, Including 1199, 1255, 1310 and 1330; 1044C-42 SN 127 to Present; 1044C-54 SN 305 through 306, SN 314 to Present, Including 287 and 291; 6K-37 SN 495 to Present; 6K-42 SN 179 to Present; 8K-42 SN 334 to Present, Including 328 and 331; 10K-42 SN 109 to Present; 10K-54 SN 114 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P18947	2	45, Elbow, Bulkhead	
2	P27185	1	Hyd Hose, 3/8in x 23in	
3	P19891	1	Hyd Hose, 3/8in x 24in	
4	P19414	1	Check Valve	
5	P20857	1	Hyd Hose, 3/8in x 15in	
6	65649A	1	Check Valve (Replaces P19415)	
7	P00102	2	Capscrew, Hx, 5/16in-18 x 3/4in	
8	P01309	2	Lockwasher, 5/16in	
9	P40135	1	Valve, Parking Brake (See PARK BRAKE VALVE ASSEMBLY for Breakdown)	
10	10166940	1	90, Elbow, O-Ring	
11	66941A	1	Pressure Switch	
12	37626X	1	Hyd Hose, 1/4in x 52in	
13	37508X	1	Hyd Hose, 3/8in x 46in	
14	P20374	1	90, Elbow, JIC - Pipe	
15	66711X		Hyd Hose, 1/4in x 56in	
16	P18960	1	Adaptor, O-ring	
17	P21906	1	Adapter, O-Ring	
18	P19412	1	Tee, Swivel	
19	37609X	1	Hyd Hose, 1/4in x 30in	
20	P26604	1	Tee, O-Ring	
21	38805B	1	Cylinder, Park Brake	
22	37139A	1	Pressure Switch, Park Brake	

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FIGURE 8-13. PARK BRAKE VALVE ASSEMBLY (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)



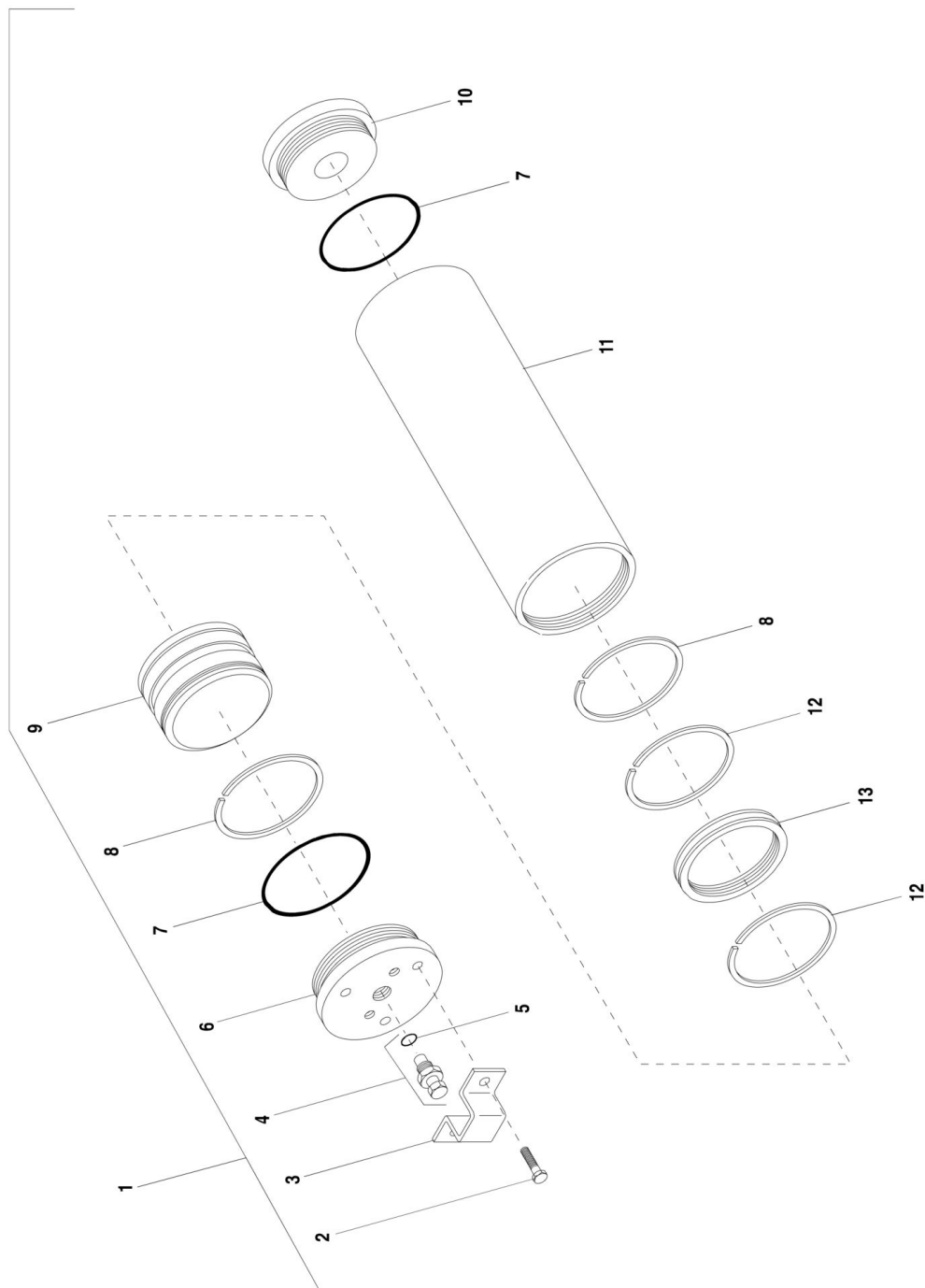
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FIGURE 8-13. PARK BRAKE VALVE ASSEMBLY (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P40135	1	Park Brake Valve Assembly	
2	P91764	1	Control Knob	
3	P01310	1	Lockwasher, 3/8in	
4	P27980	2	Snap Ring	
5	N.S.S.	1	Valve Spool	
6	P91765	2	Back-Up Ring (Teflon)	
7	P91766	2	O-Ring	
8	N.S.S.	1	Valve Housing	
Ref	P40467	1	Seal Kit (Includes Items 4, 6, 7)	
		Ref	N.S.S. = Not Sold Separately	

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FIGURE 8-14. ACCUMULATOR ASSEMBLY (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)



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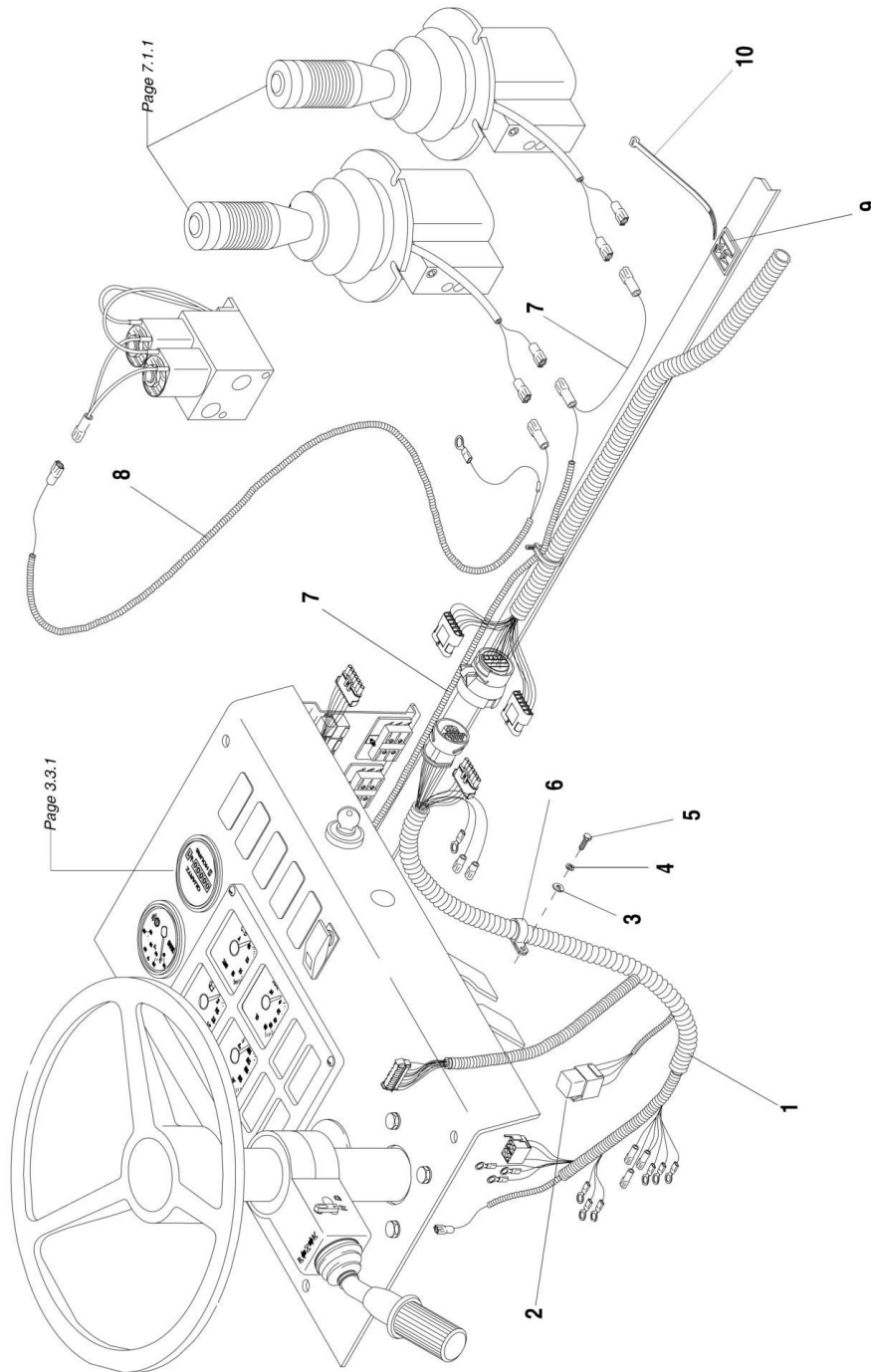
FIGURE 8-14. ACCUMULATOR ASSEMBLY (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present; 8K-42 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P31556	1	Accumulator Assembly (Use w/Wet Disc Brakes)	
1	P40147	-	Accumulator Assembly (Use w/Dry Disc Brakes)	
2	P00229	2	Capscrew, Hx, 3/8in-16 x 3/4in GR 8	
3	P91946	1	Guard, Valve	
4	P91947	1	Gas Valve	
5	N.S.S.	1	O-Ring	
6	N.S.S.	1	End Cap, Gas	
7	N.S.S.	2	O-Ring	
8	N.S.S.	2	Teflon Ring	
9	P91952	1	Piston	
10	N.S.S.	1	End Cap	
11	N.S.S.	1	Body, Accumulator	
12	N.S.S.	2	Back-Up Washer	
13	N.S.S.	1	"V" O-Ring	
Ref	P29122	1	Repair Kit (Includes Items 5, 7, 8, 12, 13)	
		Ref	N.S.S. = Not Sold Separately	

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FIGURE 9-1. ELECTRICAL GROUP - OPERATOR'S COMPARTMENT (644B-37 SN 101 through 666, Excluding 591; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621; 1044C-42 SN 101 through 116; 1044C-54 SN 101 through 154; 6K-37 SN 101 through 317; 6K-42 SN 101 through 119; 8K-42 SN 101 through 220; 10K-42 SN 101 through 106; 10K-54 SN 101 through 103)



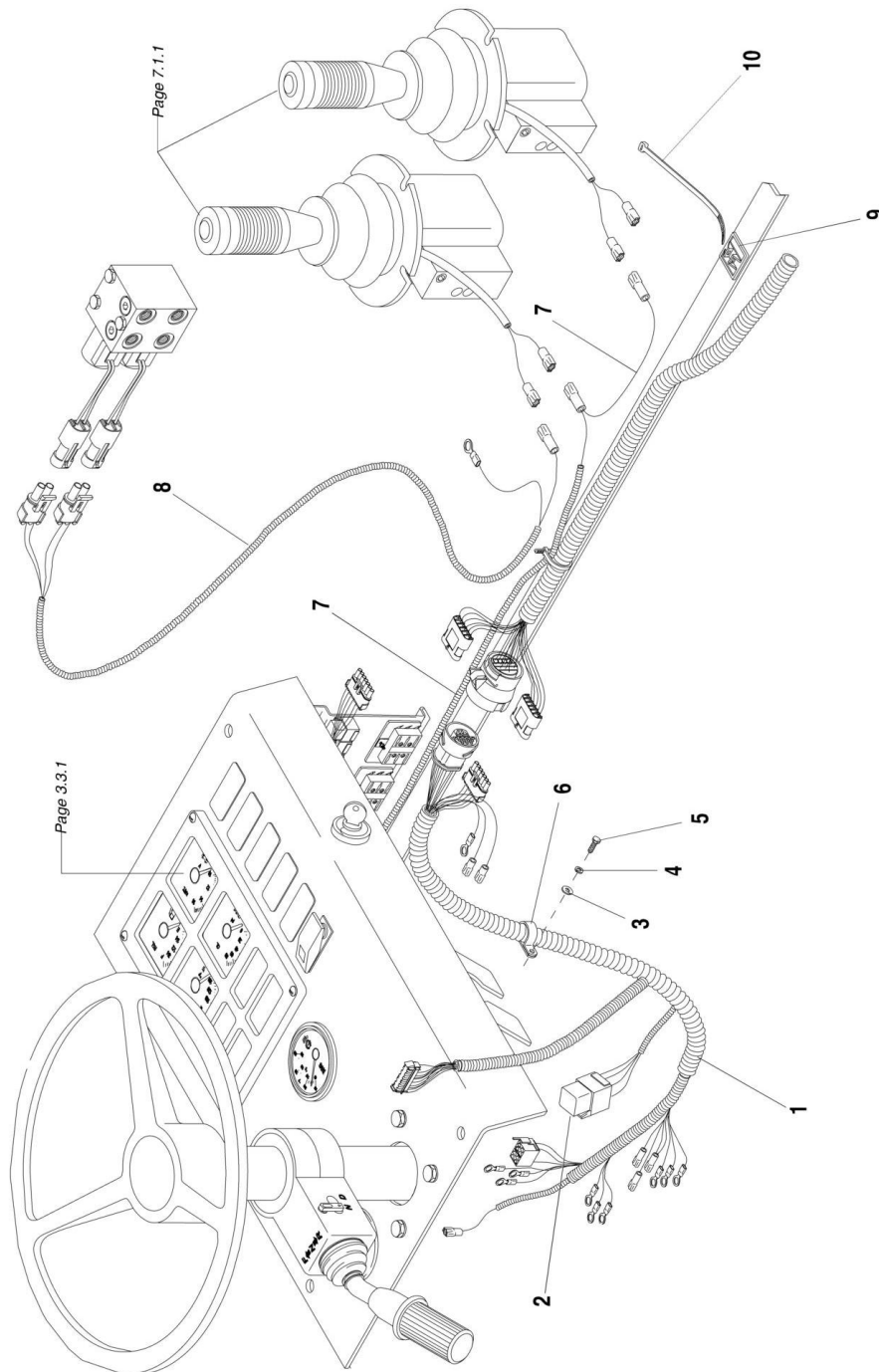
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FIGURE 9-1. ELECTRICAL GROUP - OPERATOR'S COMPARTMENT (644B-37 SN 101 through 666, Excluding 591; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621; 1044C-42 SN 101 through 116; 1044C-54 SN 101 through 154; 6K-37 SN 101 through 317; 6K-42 SN 101 through 119; 8K-42 SN 101 through 220; 10K-42 SN 101 through 106; 10K-54 SN 101 through 103)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	65356D	1	Wire Harness, Upper (Replaces 38072D)	
2	37383X	1	Relay, Ignition Switch	
3	P01403	1	Flatwasher, 5/16in	
4	P01309	1	Lockwasher, 5/16in	
5	P00102	1	Capscrew, Hx, 5/16in-18 x 3/4in	
6	P17593	1	Clamp, Wire Harness	
7	38471A	1	Wire Harness, Joystick - Power	
8	35197A	1	Wire Harness, Joystick - Solenoid	
9	P27600	2	Mount, Cable Tie	
10	P17989	2	Cable Tie	

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FIGURE 9-2. ELECTRICAL GROUP - OPERATOR'S COMPARTMENT (644B-37 SN 667 through 1289, SN 1293 through 1303, Including 591; 644B-42 SN 208 through 341, SN 344 through 362; 844C-42 SN 622 through 1252, Except SN 1341 through 1342, Excluding 1199, 1253, 1310 and 1330; 1044C-42 SN 117 through 126; 1044C-54 SN 155 through 313, Except SN 305 through 306, Excluding 287 and 291; 6K-37 SN 318 through 494; 6K-42 SN 120 through 178; 8K-42 SN 221 through 327, SN 329 through 330, SN 332 through 333; 10K-42 SN 107 through 108; 10K-54 SN 104 through 113)



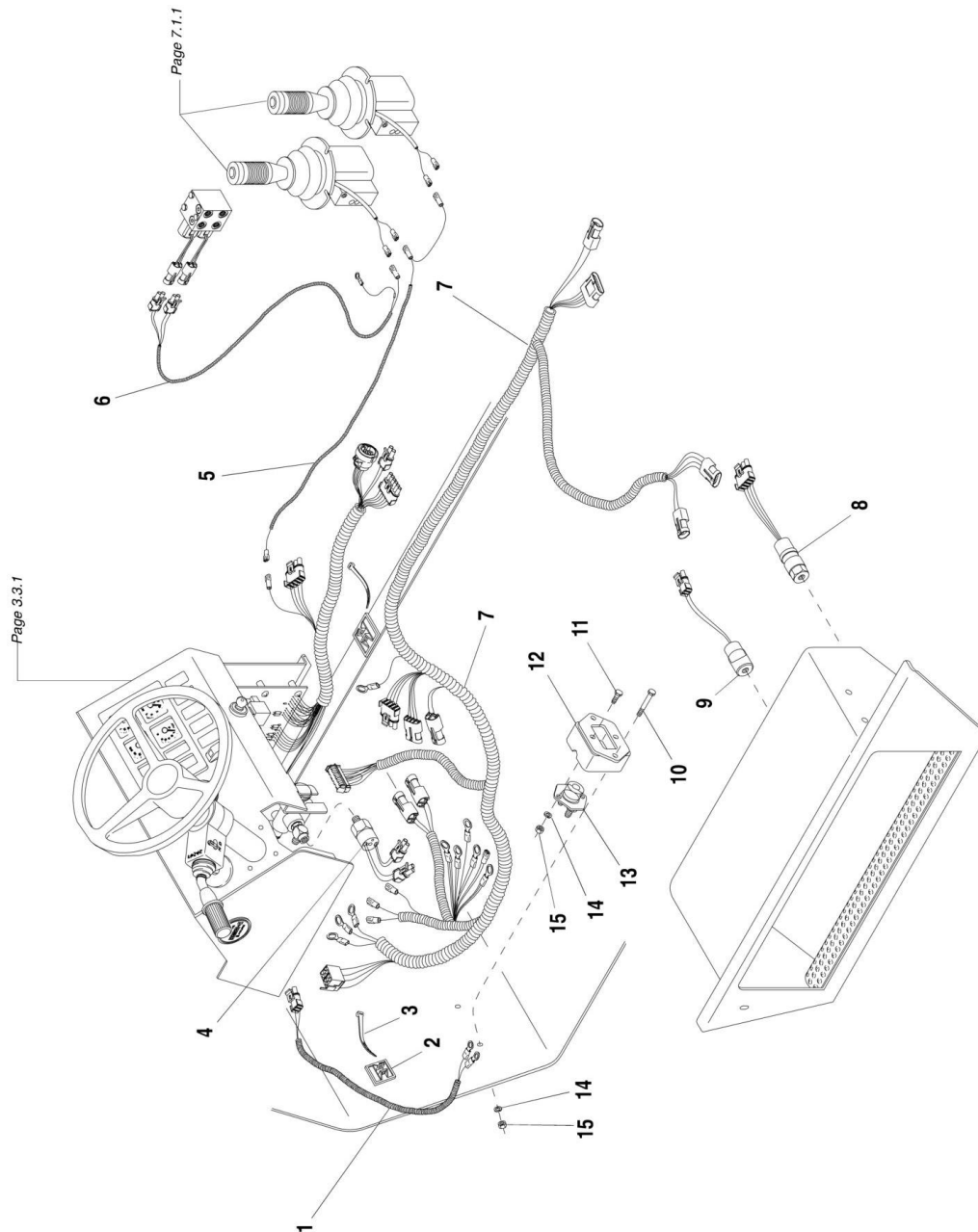
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FIGURE 9-2. ELECTRICAL GROUP - OPERATOR'S COMPARTMENT (644B-37 SN 667 through 1289, SN 1293 through 1303, Including 591; 644B-42 SN 208 through 341, SN 344 through 362; 844C-42 SN 622 through 1252, Except SN 1341 through 1342, Excluding 1199, 1253, 1310 and 1330; 1044C-42 SN 117 through 126; 1044C-54 SN 155 through 313, Except SN 305 through 306, Excluding 287 and 291; 6K-37 SN 318 through 494; 6K-42 SN 120 through 178; 8K-42 SN 221 through 327, SN 329 through 330, SN 332 through 333; 10K-42 SN 107 through 108; 10K-54 SN 104 through 113)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	39980D	1	Wire Harness, Upper	
2	37383X	1	Relay, Ignition Switch	
3	P01403	1	Flatwasher, 5/16in	
4	P01309	1	Lockwasher, 5/16in	
5	P00102	1	Capscrew, Hx, 5/16in-18 x 3/4in	
6	P17593	1	Clamp, Wire Harness	
7	38471A	1	Wire Harness, Joystick - Power	
8	39510B	1	Wire Harness, Joystick - Solenoid	
9	P27600	2	Mount, Cable Tie	
10	P17989	2	Cable Tie	

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FIGURE 9-3. ELECTRICAL GROUP - OPERATOR'S COMPARTMENT (644B-37 SN 1290 through 1292, SN 1304 to Present; 644B-42 SN 342 through 343, SN 363 to Present; 844C-42 SN 1341 through 1342, SN 1353 to Present, Including 1199, 1255, 1310 and 1330; 1044C-42 SN 127 to Present; 1044C-54 SN 305 through 306, SN 314 to Present, Including 287 and 291; 6K-37 SN 495 to Present; 6K-42 SN 179 to Present; 8K-42 SN 334 to Present, Including 328 and 331; 10K-42 SN 109 to Present; 10K-54 SN 114 to Present)



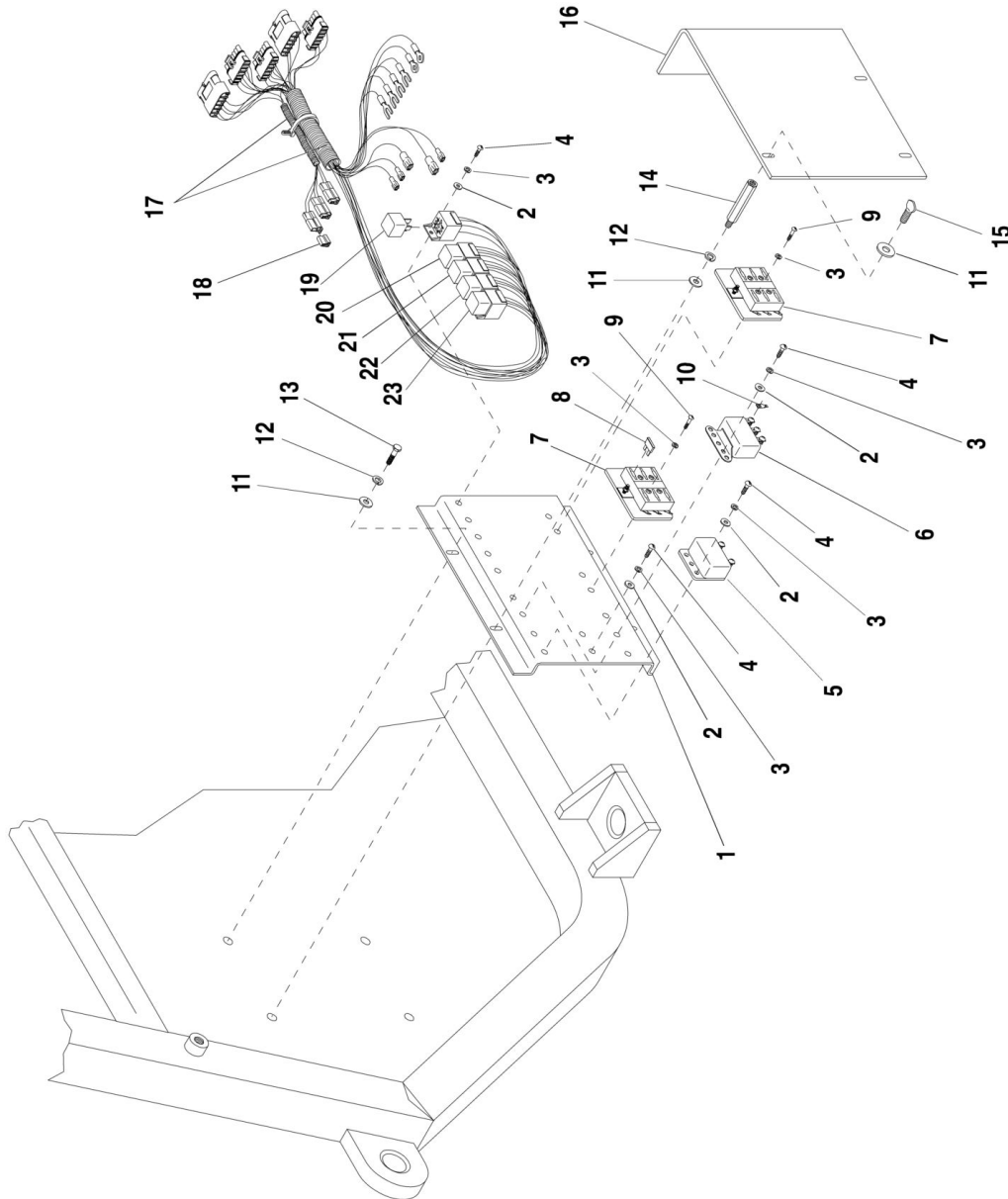
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FIGURE 9-3. ELECTRICAL GROUP - OPERATOR'S COMPARTMENT (644B-37 SN 1290 through 1292, SN 1304 to Present; 644B-42 SN 342 through 343, SN 363 to Present; 844C-42 SN 1341 through 1342, SN 1353 to Present, Including 1199, 1255, 1310 and 1330; 1044C-42 SN 127 to Present; 1044C-54 SN 305 through 306, SN 314 to Present, Including 287 and 291; 6K-37 SN 495 to Present; 6K-42 SN 179 to Present; 8K-42 SN 334 to Present, Including 328 and 331; 10K-42 SN 109 to Present; 10K-54 SN 114 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	66906A	1	Harness, Foot Switch, DLO	
2	P27600	3	Mount, Cable Tie	
3	P27600	3	Cable Tie	
4	66941A	1	Switch, Pressure - D.P.S.T Normally Closed, Park Brake	
5	38471A	1	Wire Harness, Joystick - Power	
6	39510B	1	Wire Harness, Joystick - Solenoid	
7	66944D	1	Wire Harness, Upper	
8	66680A	1	Switch, Pressure - D.P.S.T Normally Closed, Low Brake Pressure (850 psi) Wet Disc Brakes	
8	67065A	-	Switch, Pressure - D.P.S.T Normally Closed, Low Brake Pressure (1800 psi) Dry Disc Brakes	
9	66679A	1	Switch, Pressure - S.P.S.T Normally Open, Service Brake (250 psi) Wet Disc Brakes (Note: Use 67062A For Machines with Roadway Lights and Wet Disc Brakes)	
9	67063A	-	Switch, Pressure - S.P.S.T Normally Open, Service Brake (1000 psi) Dry Disc Brakes (Note: Use 67064A For Machines with Roadway Lights and Dry Disc Brakes)	
10	P00010	2	Capscrew, Hx, 1/4in-20 x 2 1/4in	
11	P00003	2	Capscrew, Hx, 1/4in-20 x 3/4in	
12	10266453	1	MOUNT, SWITCH WELDMENT	
13	10866446	1	Switch, Foot, DLO	
14	P01308	4	Lockwasher, 1/4in	
15	P01506	4	Nut, Hx, 1/4in-20	

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FIGURE 9-4. ELECTRICAL MOUNTING PANEL - FUSES, RELAYS AND BUZZER (644B-37 SN 101 through 666, Excluding 591; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621; 1044C-42 SN 101 through 116; 1044C-54 SN 101 through 154; 6K-37 SN 101 through 317; 6K-42 SN 101 through 119; 8K-42 SN 101 through 220; 10K-42 SN 101 through 106; 10K-54 SN 101 through 103)



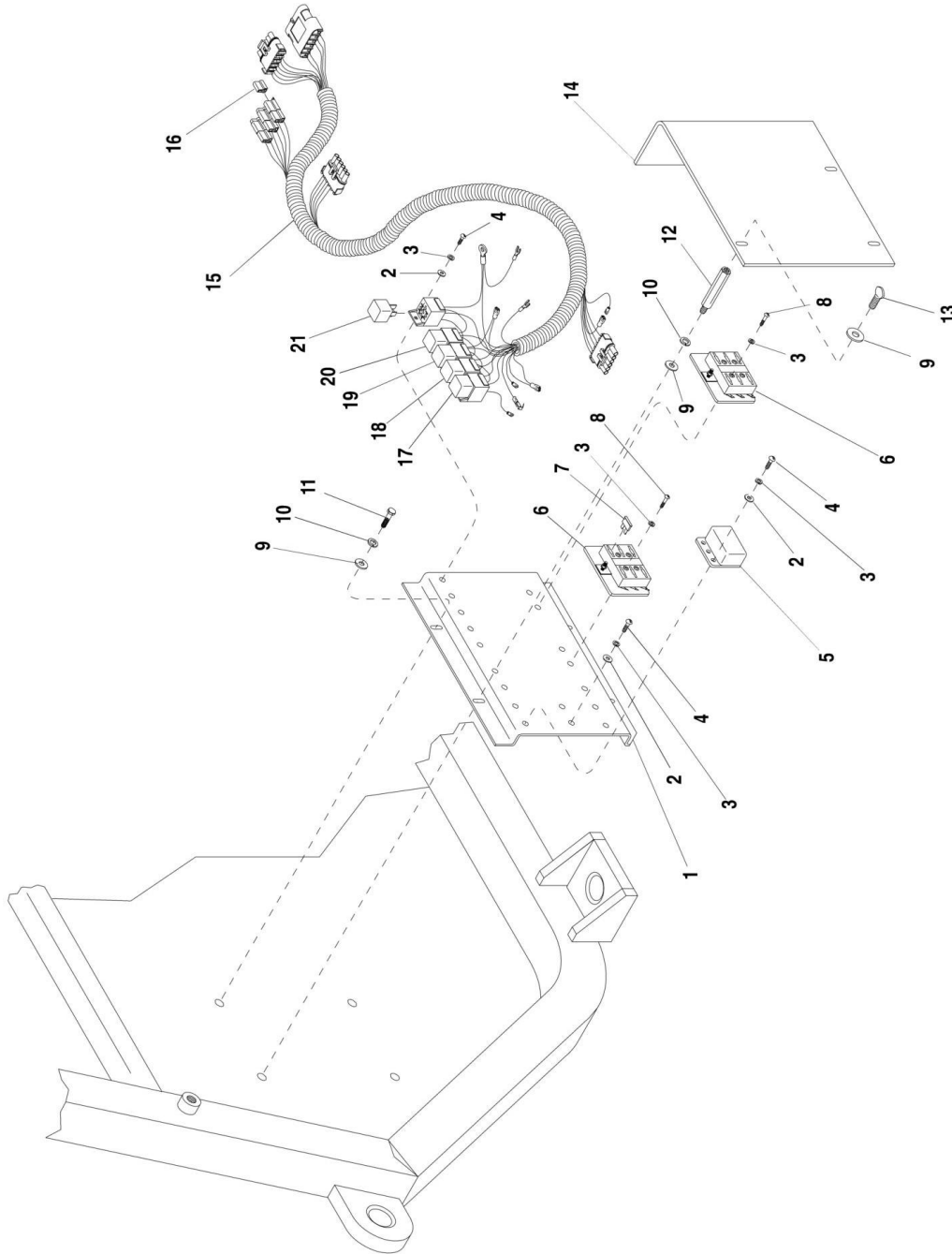
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FIGURE 9-4. ELECTRICAL MOUNTING PANEL - FUSES, RELAYS AND BUZZER (644B-37 SN 101 through 666, Excluding 591; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621; 1044C-42 SN 101 through 116; 1044C-54 SN 101 through 154; 6K-37 SN 101 through 317; 6K-42 SN 101 through 119; 8K-42 SN 101 through 220; 10K-42 SN 101 through 106; 10K-54 SN 101 through 103)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	38212B	1	Mounting Panel, Electrical Components	
2	P01400	11	Flatwasher, #10	
3	P01306	15	Lockwasher, #10	
4	P02054	11	Screw, Slotted Rd Hd, #10-24 x 1/2in	
5	P27307	1	Buzzer, Brake Pressure Warning	
6	P13709	1	Relay, Horn	
7	36445A	2	Fuse Panel, 6 Circuit	
8	36496A	1	Fuse, Blade Type - 7.5 Amp	
8	P30797	3	Fuse, Blade Type - 10 Amp	
8	P30798	1	Fuse, Blade Type - 15 Amp	
8	P30799	1	Fuse, Blade Type - 20 Amp	
9	P02059	4	Screw, Slotted Rd Hd, #10-24 x 1in	
10	P27803	1	Terminal Adapter Tab, Male Push-on	
11	P01402	7	Flatwasher, 1/4in	
12	P01308	4	Lockwasher, 1/4in	
13	P00003	1	Capscrew, Hx, 1/4in-20 x 3/4in	
14	38327A	3	Stand-off, 3 1/4in Long Hex	
14	38328A	-	Stand-off, 2 3/4in Long Hex	
15	38251A	3	Thumb Screw, 1/4in-20	
16	38319B	1	Cover, Electrical Panel	
17	38071D	1	Wire Harness, Relay (Includes Items 18-23)	
18	P21787	3	Diode Module	
19	P30796	1	Relay, S.P.D.T., Oscillation Lock Lamp	
20	P30796	1	Relay, S.P.D.T., Oscillation Lock	
21	P30796	1	Relay, S.P.D.T., Oscillation Lock	
22	P30423	1	Relay, S.P.S.T., Back-Up Alarm	
23	P30423	1	Relay, S.P.S.T., Neutral Start	

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FIGURE 9-5. ELECTRICAL MOUNTING PANEL - FUSES, RELAYS AND BUZZER (644B-37 SN 667 through 1289, SN 1293 through 1303, Including 591; 644B-42 SN 208 through 341, SN 344 through 362; 844C-42 SN 622 through 1352, Except SN 1341 through 1342, Excluding 1199, 1255, 1310 and 1330; 1044C-42 SN 117 through 126; 1044C-54 SN 155 through 313, Except SN 305 through 306, Excluding 287 and 291; 6K-37 SN 318 through 494; 6K-42 SN 120 through 178; 8K-42 SN 221 through 333, Excluding 328 and 331; 10K-42 SN 107 through 108; 10K-54 SN 104 through 113)



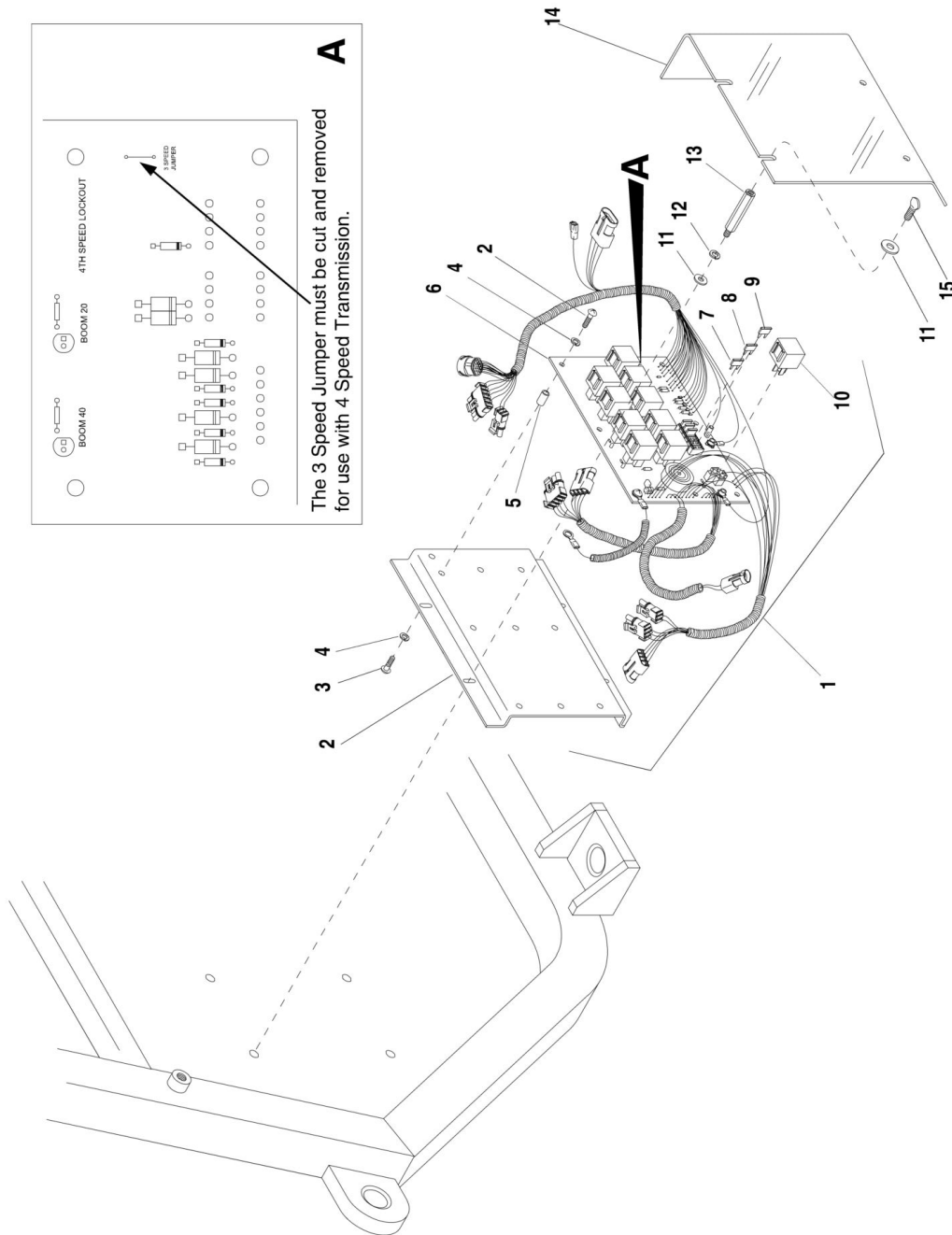
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FIGURE 9-5. ELECTRICAL MOUNTING PANEL - FUSES, RELAYS AND BUZZER (644B-37 SN 667 through 1289, SN 1293 through 1303, Including 591; 644B-42 SN 208 through 341, SN 344 through 362; 844C-42 SN 622 through 1352, Except SN 1341 through 1342, Excluding 1199, 1255, 1310 and 1330; 1044C-42 SN 117 through 126; 1044C-54 SN 155 through 313, Except SN 305 through 306, Excluding 287 and 291; 6K-37 SN 318 through 494; 6K-42 SN 120 through 178; 8K-42 SN 221 through 333, Excluding 328 and 331; 10K-42 SN 107 through 108; 10K-54 SN 104 through 113)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	38212B	1	Mounting Panel, Electrical Components	
2	P01400	9	Flatwasher, #10	
3	P01306	13	Lockwasher, #10	
4	P02054	9	Screw, Slotted Rd Hd, #10-24 x 1/2in	
5	P27307	1	Buzzer, Brake Pressure Warning	
6	36445A	2	Fuse Panel, 6 Circuit	
7	36496A	1	Fuse, Blade Type - 7.5 Amp	
7	P30797	3	Fuse, Blade Type - 10 Amp	
7	P30798	1	Fuse, Blade Type - 15 Amp	
7	P30799	1	Fuse, Blade Type - 20 Amp	
8	P02059	4	Screw, Slotted Rd Hd, #10-24 x 1in	
9	P01402	7	Flatwasher, 1/4in	
10	P01308	4	Lockwasher, 1/4in	
11	P00003	1	Capscrew, Hx, 1/4in-20 x 3/4in	
12	38327A	3	Stand-off, 3 1/4in Long Hex	
13	38251A	3	Thumb Screw, 1/4in-20	
14	38319B	1	Cover, Electrical Panel	
15	39979D	1	Wire Harness, Relay (Includes Items 16-21)	
16	P21787	3	Diode Module	
17	P30423	1	Relay, S.P.D.T., Horn	
18	P30423	1	Relay, S.P.D.T., Neutral Start	
19	P30423	1	Relay, S.P.D.T., Back-Up Alarm	
20	P30796	1	Relay, S.P.S.T., Oscillation Lock	
21	P30796	1	Relay, S.P.S.T., Oscillation Lock Lamp	

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FIGURE 9-6. ELECTRICAL MOUNTING PANEL - FUSES, RELAYS AND BUZZER (644B-37 SN 1290 through 1292, SN 1304 to Present; 644B-42 SN 342 through 343, SN 363 to Present; 844C-42 SN 1341 through 1342, SN 1353 to Present, Including 1199, 1255, 1310 and 1330; 1044C-42 SN 127 to Present; 1044C-54 SN 305 through 306, SN 314 to Present, Including 287 and 291; 6K-37 SN 495 to Present; 6K-42 SN 179 to Present; 8K-42 SN 334 to Present, Including 328 and 331; 10K-42 SN 109 to Present; 10K-54 SN 114 to Present)



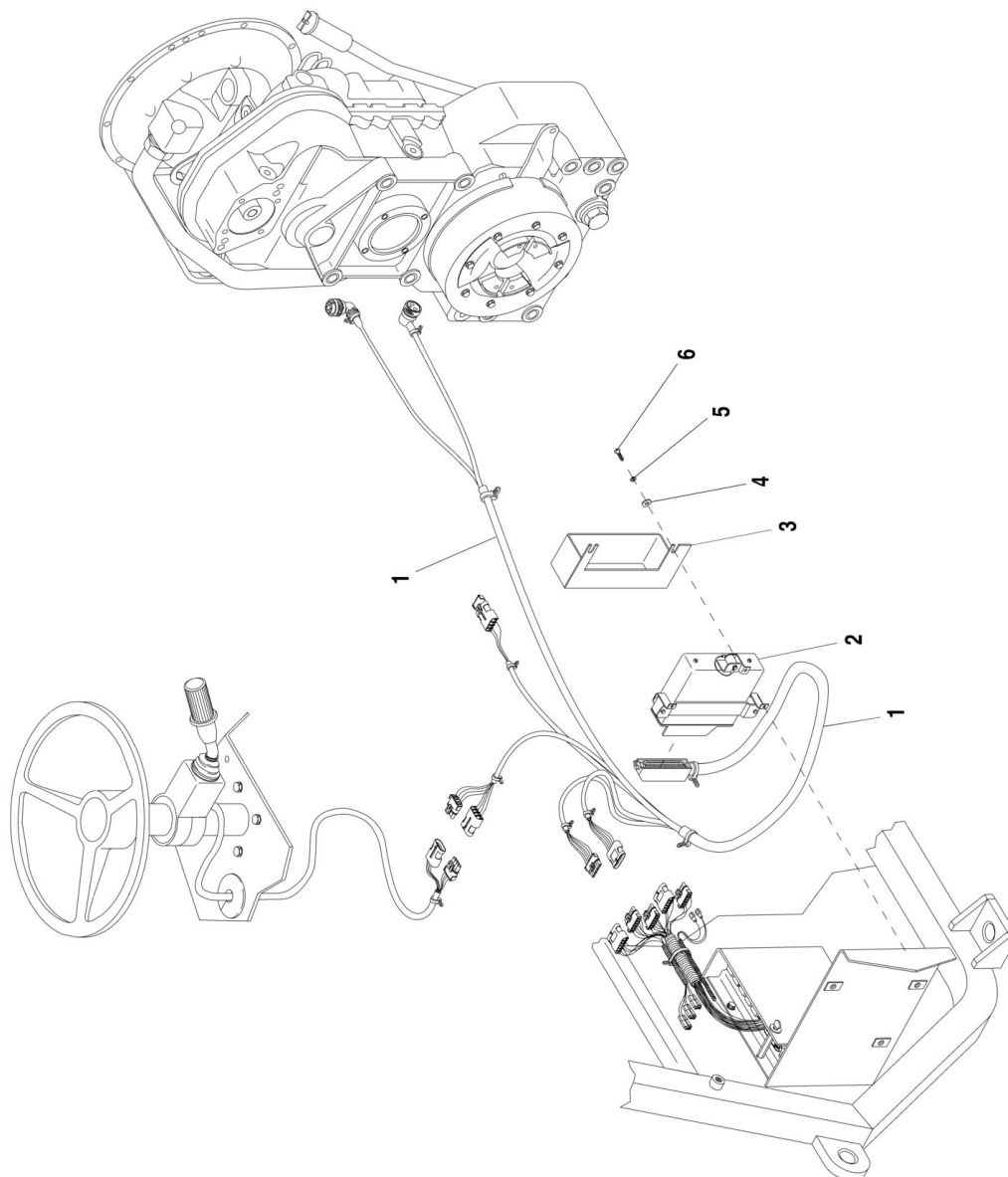
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FIGURE 9-6. ELECTRICAL MOUNTING PANEL - FUSES, RELAYS AND BUZZER (644B-37 SN 1290 through 1292, SN 1304 to Present; 644B-42 SN 342 through 343, SN 363 to Present; 844C-42 SN 1341 through 1342, SN 1353 to Present, Including 1199, 1255, 1310 and 1330; 1044C-42 SN 127 to Present; 1044C-54 SN 305 through 306, SN 314 to Present, Including 287 and 291; 6K-37 SN 495 to Present; 6K-42 SN 179 to Present; 8K-42 SN 334 to Present, Including 328 and 331; 10K-42 SN 109 to Present; 10K-54 SN 114 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1		Ref	Circuit Board Assembly (Includes Items 2-10) (Note: For 644B-37, 644B42, 6K-37 & 6K-42 Order 67066C. For 844C-42, 8K-42, 1044C-42 & 10K-42 Order 67204C. For 1044C-54 & 10K-54 Order 67205C)	
2	66950B	1	Mounting Panel, Circuit Board	
3	67173X	18	Screw, Slotted Rd Hd, #8-32 x 1/4in	
4	P01305	18	Lockwasher, #8	
5	67159X	18	Stand-off, Female Rd, #8-32 x 1/2in	
6	N.S.S.	1	Circuit Board	
7	66827X	1	Fuse, Blade Type - 7.5 Amp (Brown)	
8	66828X	3	Fuse, Blade Type - 10 Amp (Red)	
9	66829X	2	Fuse, Blade Type - 15 Amp (Blue)	
10	66820X		Relay (Note: 9 Required for 644B-37, 644B-42, 844C-42, 1044C-42, 6K-37, 6K-42, 8K-42 & 10K-42. 10 Required for 1044C-54 & 10K-54)	
11	P01402	4	Flatwasher, 1/4in	
12	P01308	4	Lockwasher 1/4in	
13	38327A	4	Stand-off, 3 1/4in Long Hex	
14	38319B	1	Cover, Electrical Panel, Plastic	
15	38251A	3	Thumb Screw, 1/4in-20	

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FIGURE 9-7. ELECTRICAL GROUP - TRANSMISSION CONTROL (644B-37 SN 101 through 880; 644B-42 SN 101 through 241; 844C-42 SN 101 through 783; 1044C-42 SN 101 through 121; 1044C-54 SN 101 through 215; 6K-37 SN 101 through 397; 6K-42 SN 101 through 131; 8K-42 SN 101 through 261; 10K-42 SN 101 through 107; 10K-54 SN 101 through 107, Including 109)



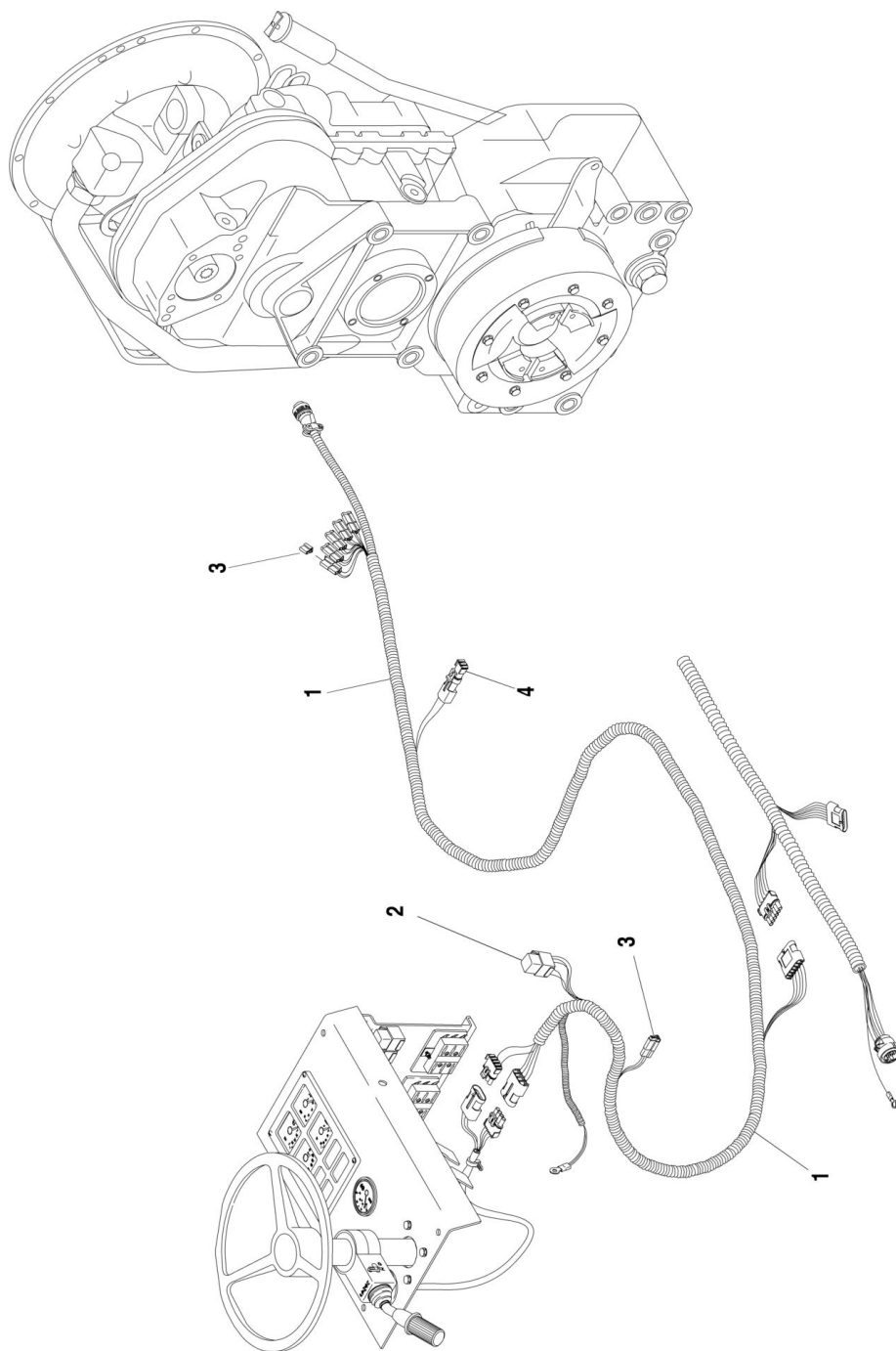
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FIGURE 9-7. ELECTRICAL GROUP - TRANSMISSION CONTROL (644B-37 SN 101 through 880; 644B-42 SN 101 through 241; 844C-42 SN 101 through 783; 1044C-42 SN 101 through 121; 1044C-54 SN 101 through 215; 6K-37 SN 101 through 397; 6K-42 SN 101 through 131; 8K-42 SN 101 through 261; 10K-42 SN 101 through 107; 10K-54 SN 101 through 107, Including 109)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P31566	1	Wire Harness, Transmission	
2	37494X	1	Controller, Transmission - 3 Speed (Replaces P31564)	
2	37495X	1	Controller, Transmission - 4 Speed	
3	35322B	1	Cover, Transmission Controller	
4	P01400	2	Flatwasher, #10	
5	P01306	2	Lockwasher, #10	
6	P02054	2	Screw, Slotted Rd Hd, #10-24 x 1/2in	

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FIGURE 9-8. ELECTRICAL GROUP - TRANSMISSION CONTROL (644B-37 SN 881 through 1303, Except SN 1290 through 1292; 644B-42 SN 242 through 362, Except SN 342 through 343; 844C-42 SN 784 through 1352, Except SN 1341 through 1342, Excluding 1199, 1255, 1310 and 1330; 1044C-42 SN 122 through 126; 1044C-54 SN 216 through 313, Except SN 305 through 306, Excluding 287 and 291; 6K-37 SN 398 through 494; 6K-42 SN 132 through 178; 8K-42 SN 262 through 327, SN 329 through 330, SN 332 through 333; 10K-42 Including 108; 10K-54 SN 110 through 113, Including 108)



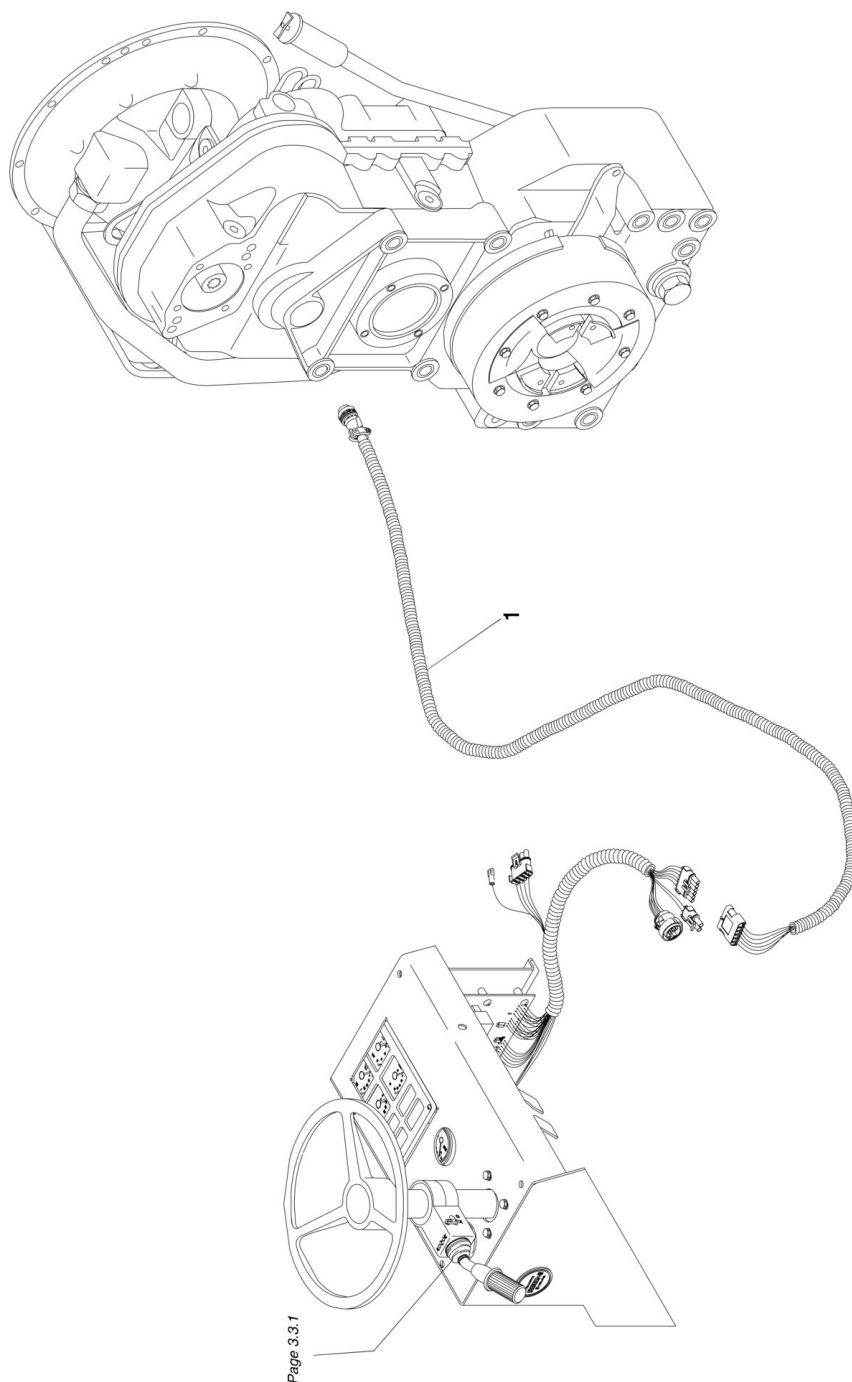
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FIGURE 9-8. ELECTRICAL GROUP - TRANSMISSION CONTROL (644B-37 SN 881 through 1303, Except SN 1290 through 1292; 644B-42 SN 242 through 362, Except SN 342 through 343; 844C-42 SN 784 through 1352, Except SN 1341 through 1342, Excluding 1199, 1255, 1310 and 1330; 1044C-42 SN 122 through 126; 1044C-54 SN 216 through 313, Except SN 305 through 306, Excluding 287 and 291; 6K-37 SN 398 through 494; 6K-42 SN 132 through 178; 8K-42 SN 262 through 327, SN 329 through 330, SN 332 through 333; 10K-42 Including 108; 10K-54 SN 110 through 113, Including 108)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	65011D	1	Wire Harness, Transmission	
2	37657X	1	Relay, Transmission Declutch	
3	P21787	6	Diode Module	
4	37134X	1	Connector, Tower Half w/Plugs (Note: Use with 4 Speed Transmission)	
4	65589A		Connector, Tower Half w/Jumper (Note: Use with 3 Speed Transmission)	

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FIGURE 9-9. ELECTRICAL GROUP - TRANSMISSION CONTROL (644B-37 SN 1290 through 1292, SN 1304 to Present; 644B-42 SN 342 through 343, SN 363 to Present; 844C-42 SN 1341 through 1342, SN 1353 to Present, Including 1199, 1255, 1310 and 1330; 1044C-42 SN 127 to Present; 1044C-54 SN 305 through 306, SN 314 to Present, Including 287 and 291; 6K-37 SN 495 to Present; 6K-42 SN 179 to Present; 8K-42 SN 334 to Present, Including 328 and 331; 10K-42 SN 109 to Present; 10K-54 SN 114 to Present)



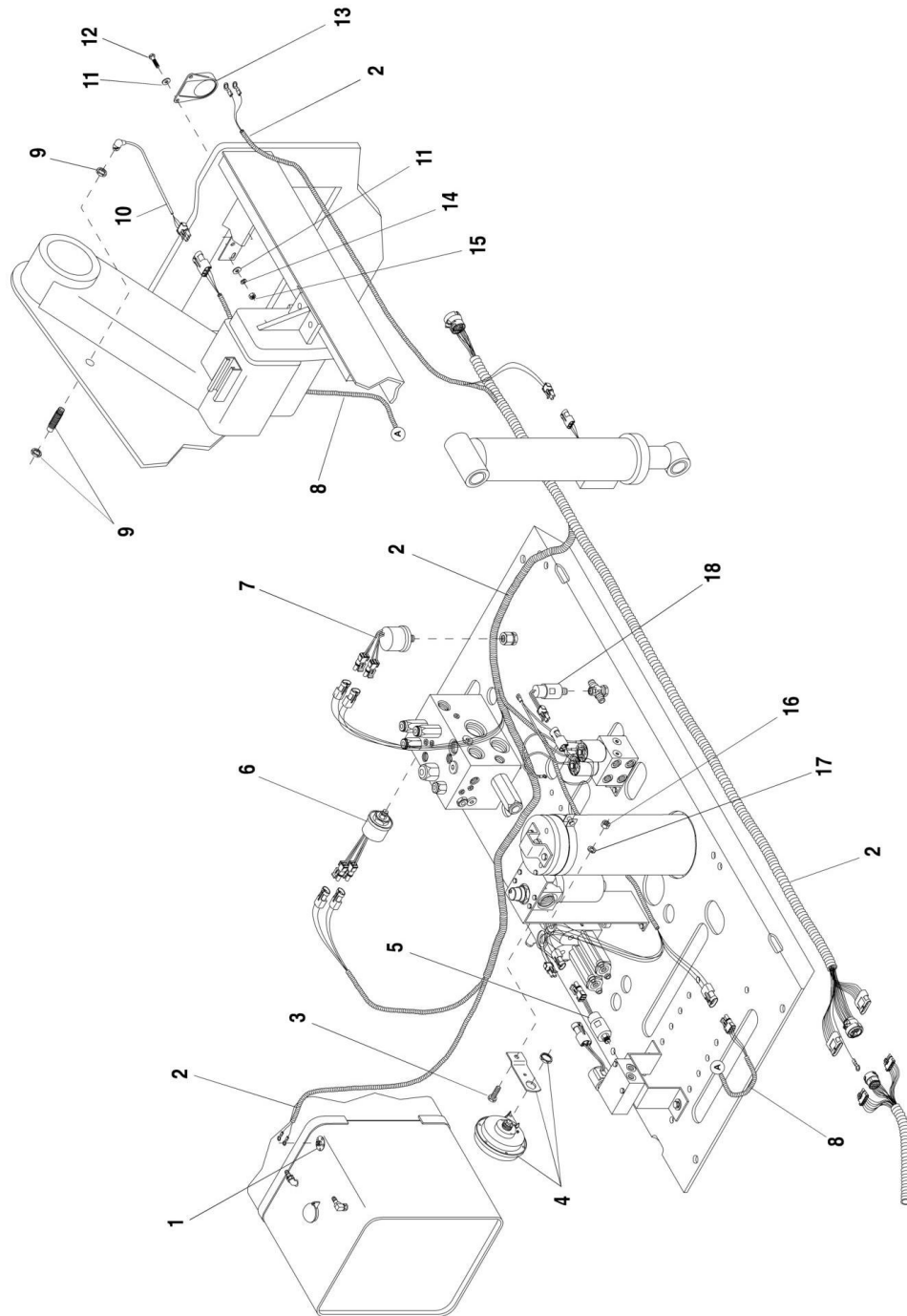
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FIGURE 9-9. ELECTRICAL GROUP - TRANSMISSION CONTROL (644B-37 SN 1290 through 1292, SN 1304 to Present; 644B-42 SN 342 through 343, SN 363 to Present; 844C-42 SN 1341 through 1342, SN 1353 to Present, Including 1199, 1255, 1310 and 1330; 1044C-42 SN 127 to Present; 1044C-54 SN 305 through 306, SN 314 to Present, Including 287 and 291; 6K-37 SN 495 to Present; 6K-42 SN 179 to Present; 8K-42 SN 334 to Present, Including 328 and 331; 10K-42 SN 109 to Present; 10K-54 SN 114 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	66939B	1	Wire Harness, Transmission Control	

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FIGURE 9-10. ELECTRICAL GROUP - FRAME (VALVE PLATE) (644B-37 SN 101 through 666, Excluding 591; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621; 1044C-42 SN 101 through 116; 1044C-54 SN 101 through 154; 6K-37 SN 101 through 317; 6K-42 SN 101 through 119; 8K-42 SN 101 through 220; 10K-42 SN 101 through 106; 10K-54 SN 101 through 103)



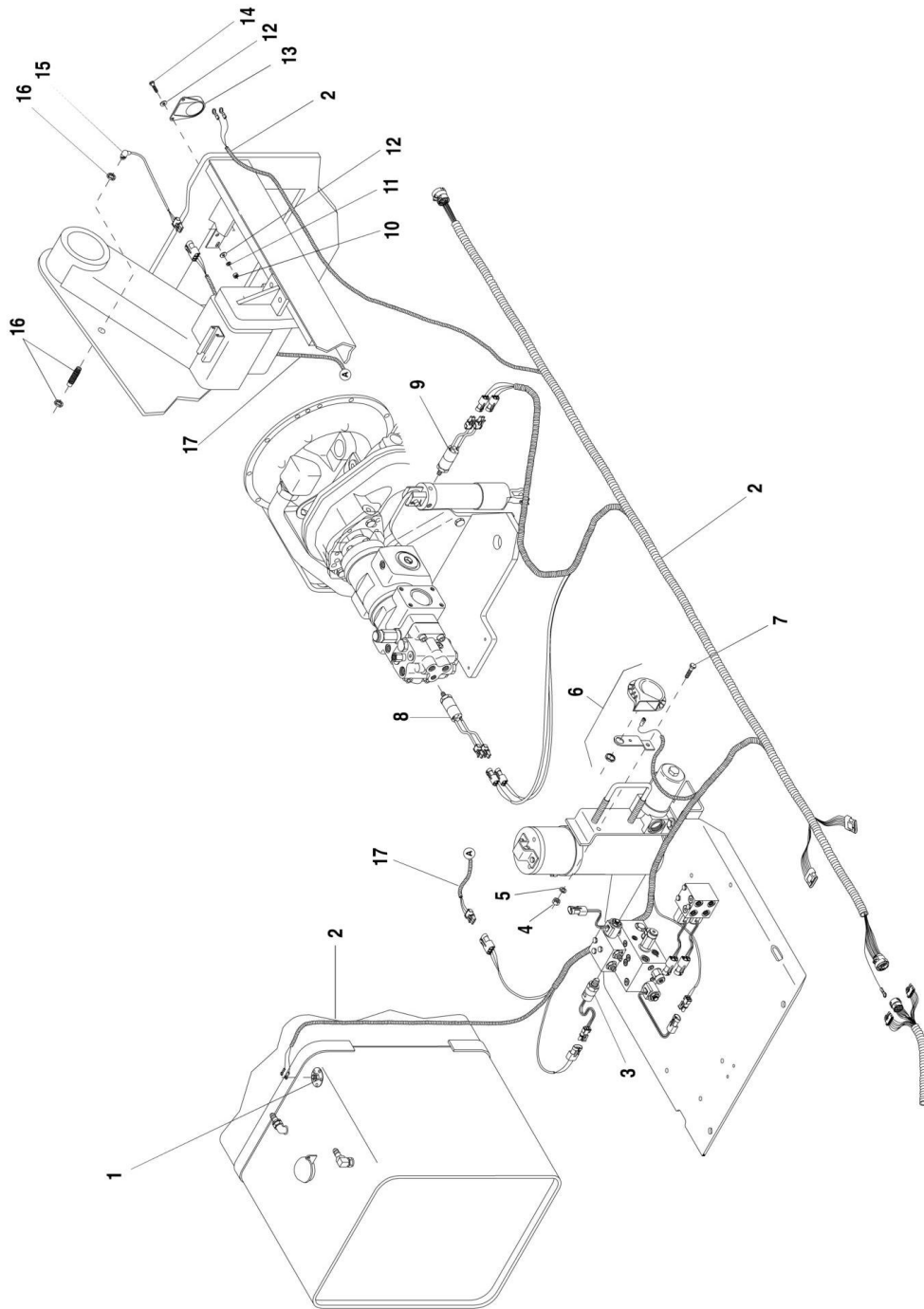
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FIGURE 9-10. ELECTRICAL GROUP - FRAME (VALVE PLATE) (644B-37 SN 101 through 666, Excluding 591; 644B-42 SN 101 through 207; 844C-42 SN 101 through 621; 1044C-42 SN 101 through 116; 1044C-54 SN 101 through 154; 6K-37 SN 101 through 317; 6K-42 SN 101 through 119; 8K-42 SN 101 through 220; 10K-42 SN 101 through 106; 10K-54 SN 101 through 103)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P29317	1	Sender, Fuel (Note: For 6K-37 S/N 212 through 280 Use P23215)	
2	38073D	1	Wire Harness, Intermediate	
3	P00102	1	Capscrew, Hx, 5/16in-18 x 3/4in	
4	P13707	1	Horn	
5	37106A	1	Switch, Pressure - S.P.S.T. Normally Open, Frame Tilt Over-Ride	
6	38271A	1	Switch, Pressure - D.P.S.T. Normally Closed, Low Brake (Use with Wet Disc Brakes)	
6	38403A	-	Switch, Pressure - D.P.S.T. Normally Closed, Low Brake (Use with Dry Disc Brakes)	
7	37139A	1	Switch, Pressure - D.P.S.T. Normally Closed, Park Brake	
8	38233A	1	Wire Harness, Proximity Switch	
9	37115X	1	Switch, Proximity	
10	38231A	1	Wire, Proximity Switch Connection	
11	P01402	4	Flatwasher, 1/4in	
12	P00003	2	Capscrew, Hx, 1/4in-20 x 3/4in	
13	P13774	1	Alarm, Back-Up (Reverse)	
14	P01308	2	Lockwasher, 1/4in	
15	P01506	2	Nut, Hx, 1/4in-20	
16	P01507	1	Nut, Hx, 5/16in-18	
17	P01309	1	Lockwasher, 5/16in	
18	39505A	1	Switch, Pressure - S.P.S.T. Normally Open, Service Brakes (Use with Wet Disc Brakes) (Note: Replaces 37106A (100 P.S.I.))	
18	39339A	-	Switch, Pressure - S.P.S.T. Normally Open, Service Brakes (Use with Dry Disc Brakes)	

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FIGURE 9-11. ELECTRICAL GROUP - FRAME (VALVE PLATE) (644B-37 SN 667 through 1289, SN 1293 through 1303, Including 591; 644B-42 SN 208 through 341, SN 344 through 362; 844C-42 SN 622 through 1352, Except SN 1341 through 1342, Excluding 1199, 1255, 1310 and 1330; 1044C-42 SN 117 through 126; 1044C-54 SN 155 through 313, Except SN 305 through 306, Excluding 287 and 291; 6K-37 SN 318 through 494; 6K-42 SN 221 through 333; 10K-42 SN 107 through 108; 10K-54 SN 104 through 113; 8K-42 Excluding 328 and 331)



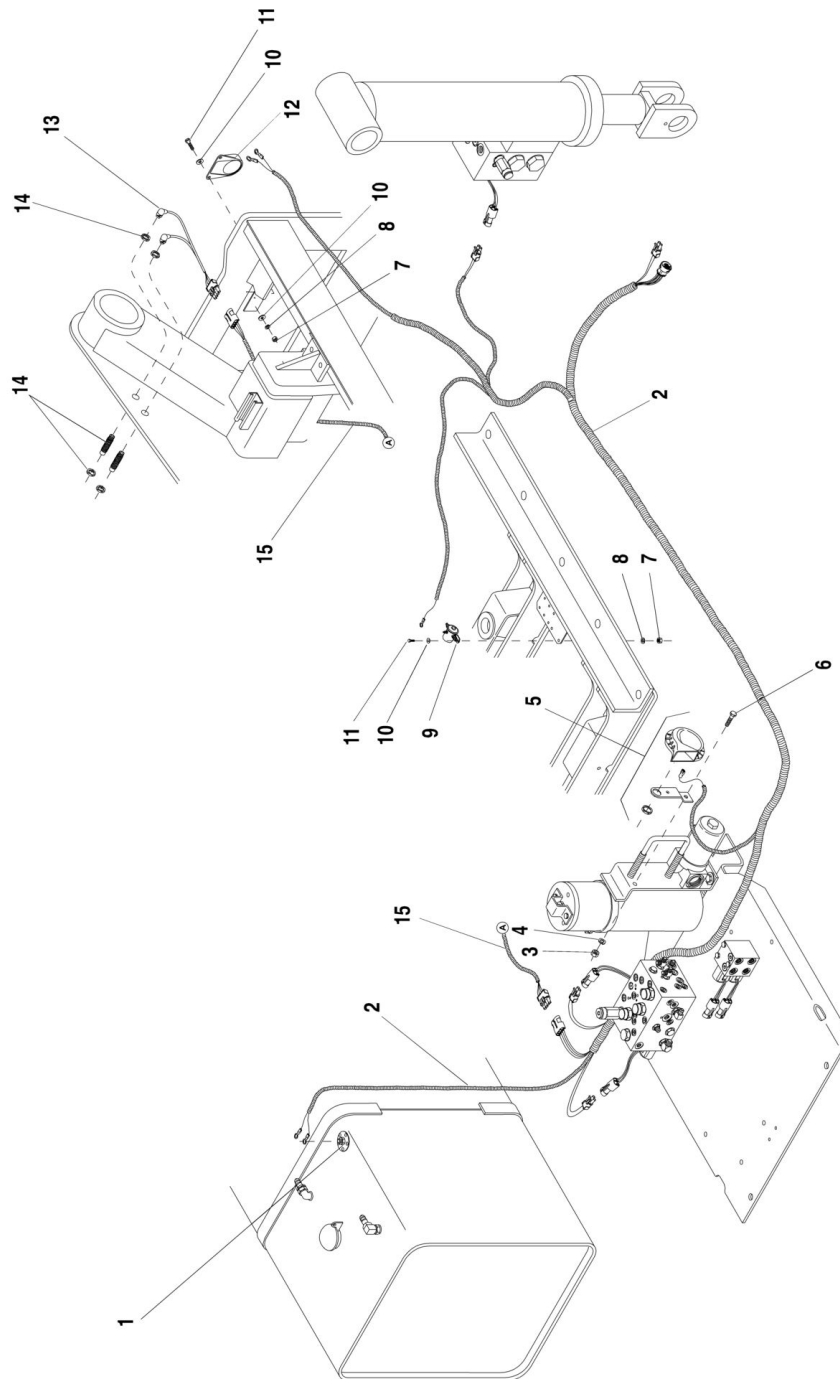
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FIGURE 9-11. ELECTRICAL GROUP - FRAME (VALVE PLATE) (644B-37 SN 667 through 1289, SN 1293 through 1303, Including 591; 644B-42 SN 208 through 341, SN 344 through 362; 844C-42 SN 622 through 1352, Except SN 1341 through 1342, Excluding 1199, 1255, 1310 and 1330; 1044C-42 SN 117 through 126; 1044C-54 SN 155 through 313, Except SN 305 through 306, Excluding 287 and 291; 6K-37 SN 318 through 494; 6K-42 SN 221 through 333; 10K-42 SN 107 through 108; 10K-54 SN 104 through 113; 8K-42 Excluding 328 and 331)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P29317	1	Sender, Fuel	
2	39978D	1	Wire Harness, Intermediate	
3	39505A	1	Switch, Pressure - S.P.S.T. Normally Open, Service Brakes (Use with Wet Disc Brake)	
3	39339A	-	Switch, Pressure - S.P.S.T. Normally Open, Service Brakes (Use with Dry Disc Brake)	
4	P01507	1	Nut, Hx, 5/16in-18	
5	P01309	1	Lockwasher, 5/16in	
6	P13707	1	Horn	
7	P00102	1	Capscrew, Hx, 5/16in-18 x 3/4in	
8	38271A	1	Switch, Pressure - D.P.S.T Normally Closed, Low Brake (Use with Wet Disc Brake)	
8	38403A	-	Switch, Pressure - D.P.S.T Normally Closed, Low Brake (Use with Dry Disc Brake)	
9	37139A	1	Switch, Pressure, Park Brake	
10	P01506	2	Nut, Hx, 1/4in-20	
11	P01308	2	Lockwasher, 1/4in	
12	P01402	4	Flatwasher, 1/4in	
13	P13774	1	Alarm, Back-Up (Reverse)	
14	P00003	2	Capscrew, Hx, 1/4in-20 x 3/4in	
15	38231A	1	Wire, Proximity Switch Connection	
16	37115X	1	Switch, Proximity	
17	38233A	1	Wire Harness, Proximity Switch	

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FIGURE 9-12. ELECTRICAL GROUP - FRAME (VALVE PLATE) (644B-37 SN 1290 through 1292, SN 1304 to Present; 644B-42 SN 342 through 343, SN 363 through 747; 844C-42 SN 1341 through 1342, SN 1353 through 1855, Including 1199, 1255, 1310 and 1330; 1044C-54 SN 305 through 306, SN 314 through 496, Including 287 and 291; 6K-37 SN 495 to Present; 6K-42 SN 179 through 208; 8K-42 SN 334 through 402, Including 328 and 331; 10K-42 SN 109 through 114; 10K-54 SN 114 through 130)



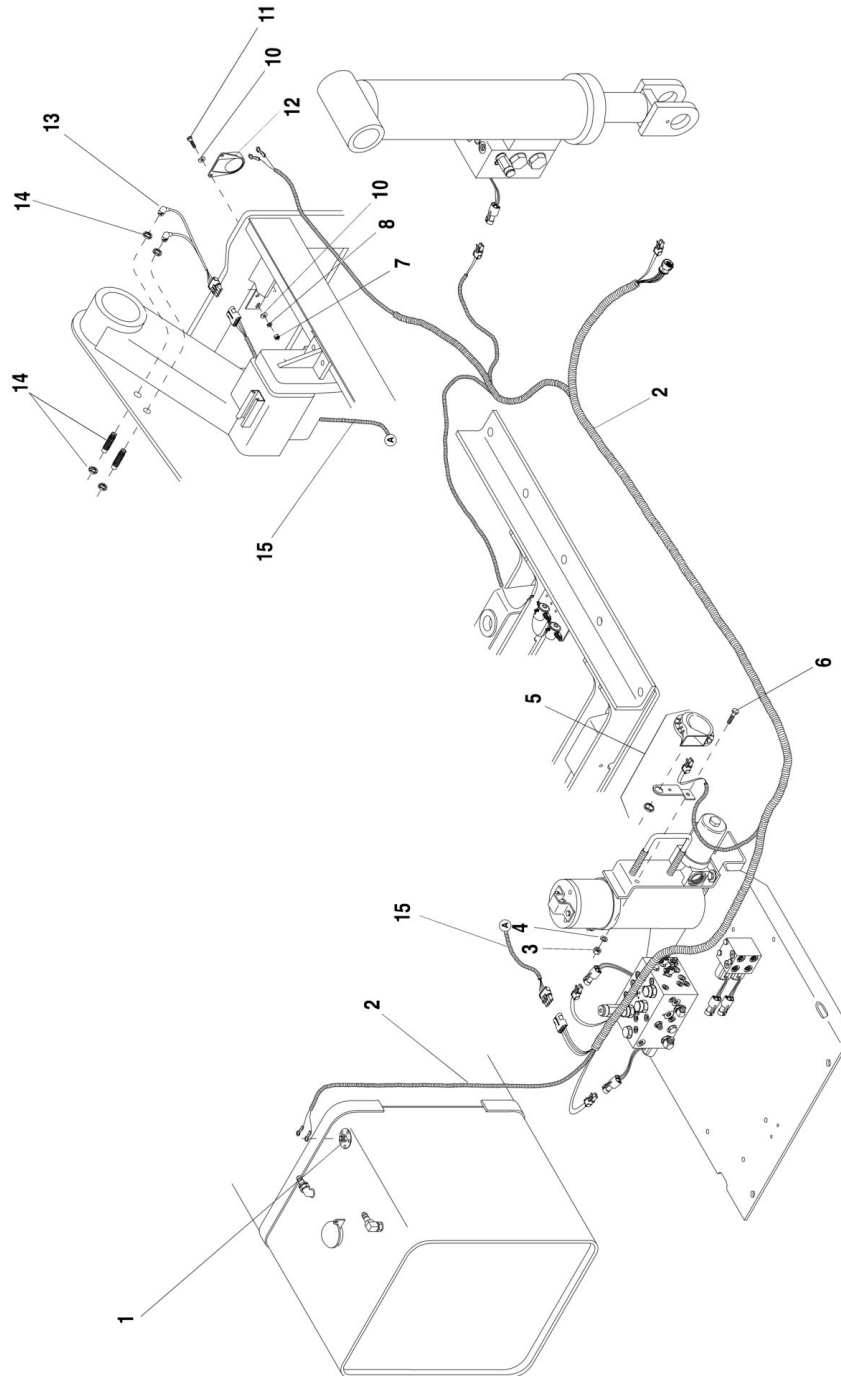
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FIGURE 9-12. ELECTRICAL GROUP - FRAME (VALVE PLATE) (644B-37 SN 1290 through 1292, SN 1304 to Present; 644B-42 SN 342 through 343, SN 363 through 747; 844C-42 SN 1341 through 1342, SN 1353 through 1855, Including 1199, 1255, 1310 and 1330; 1044C-54 SN 305 through 306, SN 314 through 496, Including 287 and 291; 6K-37 SN 495 to Present; 6K-42 SN 179 through 208; 8K-42 SN 334 through 402, Including 328 and 331; 10K-42 SN 109 through 114; 10K-54 SN 114 through 130)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P29317	1	Sender, Fuel	
2	66961D	1	Wire Harness, Intermediate Circuit Board	
3	P01507	1	Nut, Hx, 5/16in-18	
4	P01309	1	Lockwasher, 5/16in	
5	P13707	1	Horn	
6	P00102	1	Capscrew, Hx, 5/16in-18 x 3/4in	
7	P01506	4	Nut, Hx, 1/4in-20	
8	P01308	4	Lockwasher, 1/4in	
9	P21777	1	Starter Relay	
10	P01402	6	Flatwasher, 1/4in	
11	P00003	4	Capscrew Hx, 1/4in-20 x 3/4in	
12	P13774	1	Alarm, Back-Up (Reverse)	
13	65924A	1	Wire, Proximity Switch Connection	
14	37115X	2	Switch, Proximity	
15	65923A	1	Wire Harness, Proximity Switch	

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FIGURE 9-13. ELECTRICAL GROUP - FRAME (VALVE PLATE) (1044C-42,1044C-54,10K-42,10K-54,644B-42,6K-42,844C-42,8K-42) (644B-42 SN 748 to Present; 844C-42 SN 1856 to Present; 1044C-42 SN 127 to Present; 1044C-54 SN 497 to Present; 6K-42 SN 209 to Present; 8K-42 SN 403 to Present; 10K-42 SN 115 to Present; 10K-54 SN 131 to Present)



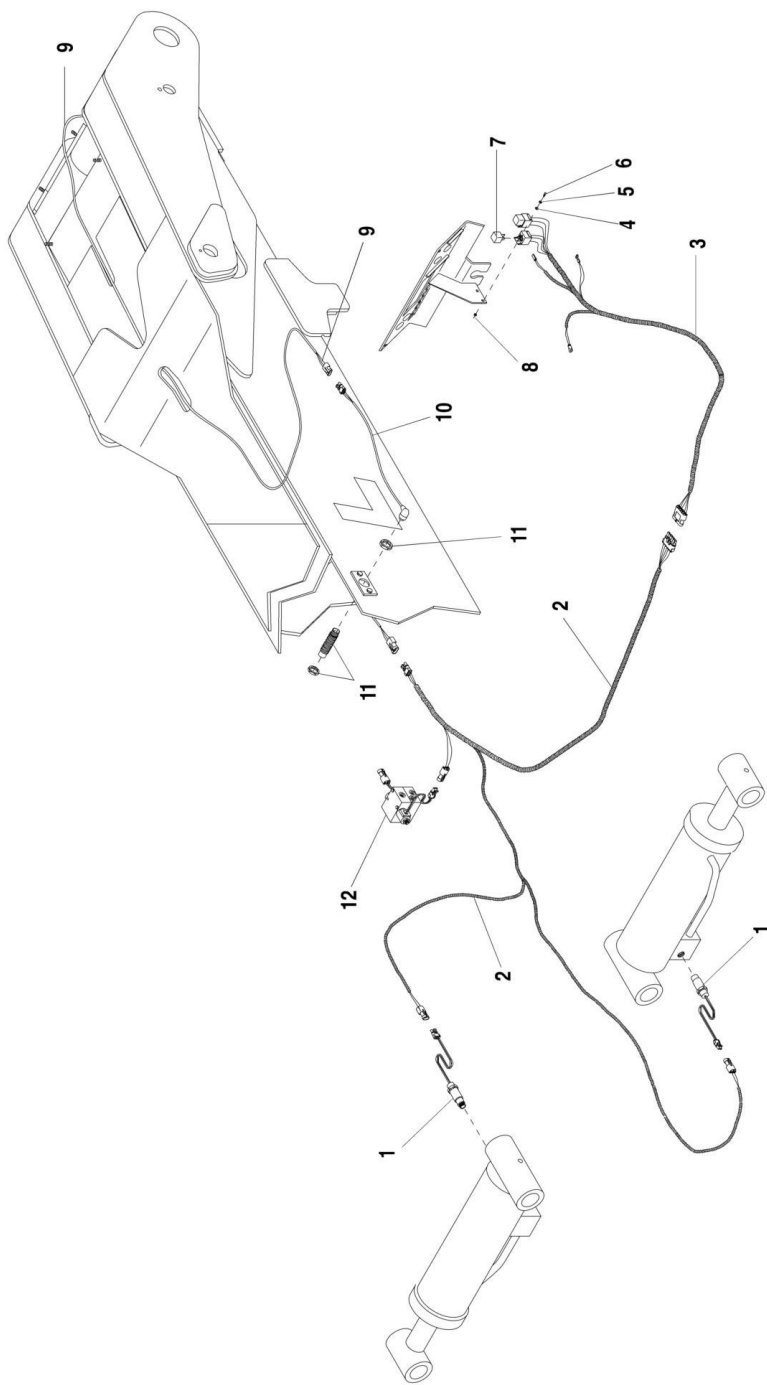
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FIGURE 9-13. ELECTRICAL GROUP - FRAME (VALVE PLATE) (1044C-42,1044C-54,10K-42,10K-54,644B-42,6K-42,844C-42,8K-42) (644B-42 SN 748 to Present; 844C-42 SN 1856 to Present; 1044C-42 SN 127 to Present; 1044C-54 SN 497 to Present; 6K-42 SN 209 to Present; 8K-42 SN 403 to Present; 10K-42 SN 115 to Present; 10K-54 SN 131 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P29317	1	Sender, Fuel	
2	68666D	1	Wire Harness, Intermediate Circuit Board	
3	P01507	1	Nut, Hx, 5/16in-18	
4	P01309	1	Lockwasher, 5/16in	
5	68663B	1	Horn	
6	P00102	1	Capscrew, Hx, 5/16in-18 x 3/4in	
7	P01506	4	Nut, Hx, 1/4in-20	
8	P01308	4	Lockwasher, 1/4in	
9	P21777	1	Starter Relay	
10	P01402	6	Flatwasher, 1/4in	
11	P00003	4	Capscrew Hx, 1/4in-20 x 3/4in	
12	P13774	1	Alarm, Back-Up (Reverse)	
13	65924A	1	Wire, Proximity Switch Connection	
14	37115X	2	Switch, Proximity	
15	65923A	1	Wire Harness, Proximity Switch	

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FIGURE 9-14. ELECTRICAL GROUP - OUTRIGGER/BOOM EXTEND LOCKOUT (1044C-54,10K-54)
(1044C-54 SN 101 through 313, Except SN 305 through 306, Excluding 287 and 291; 10K-54 SN 101
through 113)



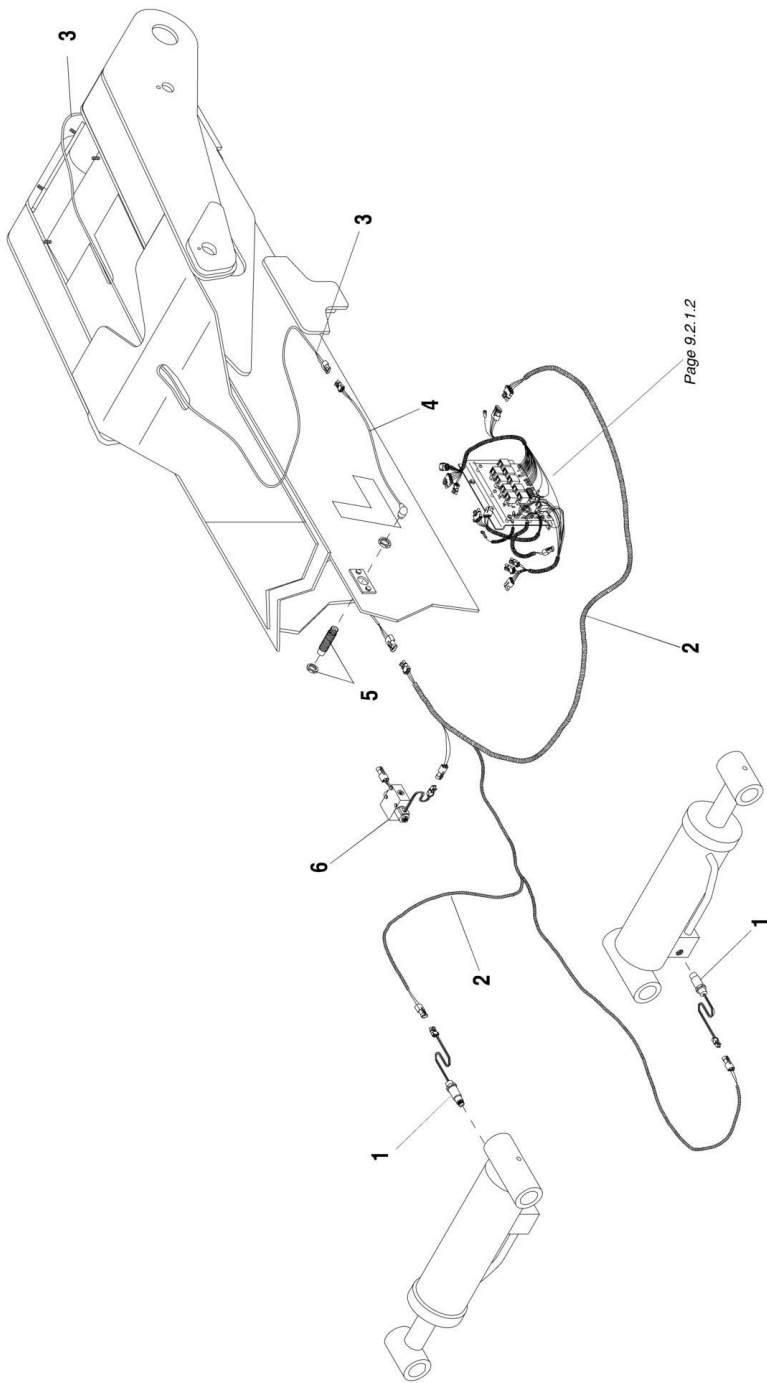
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**FIGURE 9-14. ELECTRICAL GROUP - OUTRIGGER/BOOM EXTEND LOCKOUT (1044C-54,10K-54)
(1044C-54 SN 101 through 313, Except SN 305 through 306, Excluding 287 and 291; 10K-54 SN 101
through 113)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	68441A	2	Pressure Switch, Differential (Replaces I39321A)	
2	39100C	1	Wire Harness, Boom Extend, Lower	
3	39099C	1	Wire Harness, Boom Extend, Upper	
4	P01400	1	Flatwasher, 3/16in	
5	P01306	1	Lockwasher, #10	
6	P02054	1	Screw, Slotted Rd Hd, #10-24 x 1/2in	
7	P30796	2	Relay, Boom Extend Lockout	
8	P01504	1	Nut Hx, #10-24	
9	39351A	1	Wire Harness, Boom Extend Proximity Switch	
10	38231A	1	Wire, Proximity Switch Connection	
11	37115X	1	Switch, Proximity	
12	38655A	1	Boom Extend Lockout Valve (See CONTROL HYDRAULICS SECTION for Breakdown)	

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FIGURE 9-15. ELECTRICAL GROUP - OUTRIGGER/BOOM EXTEND LOCKOUT (1044C-54,10K-54)
(1044C-54 SN 305 through 306, Including 287 and 291; 10K-54 SN 114 to Present)



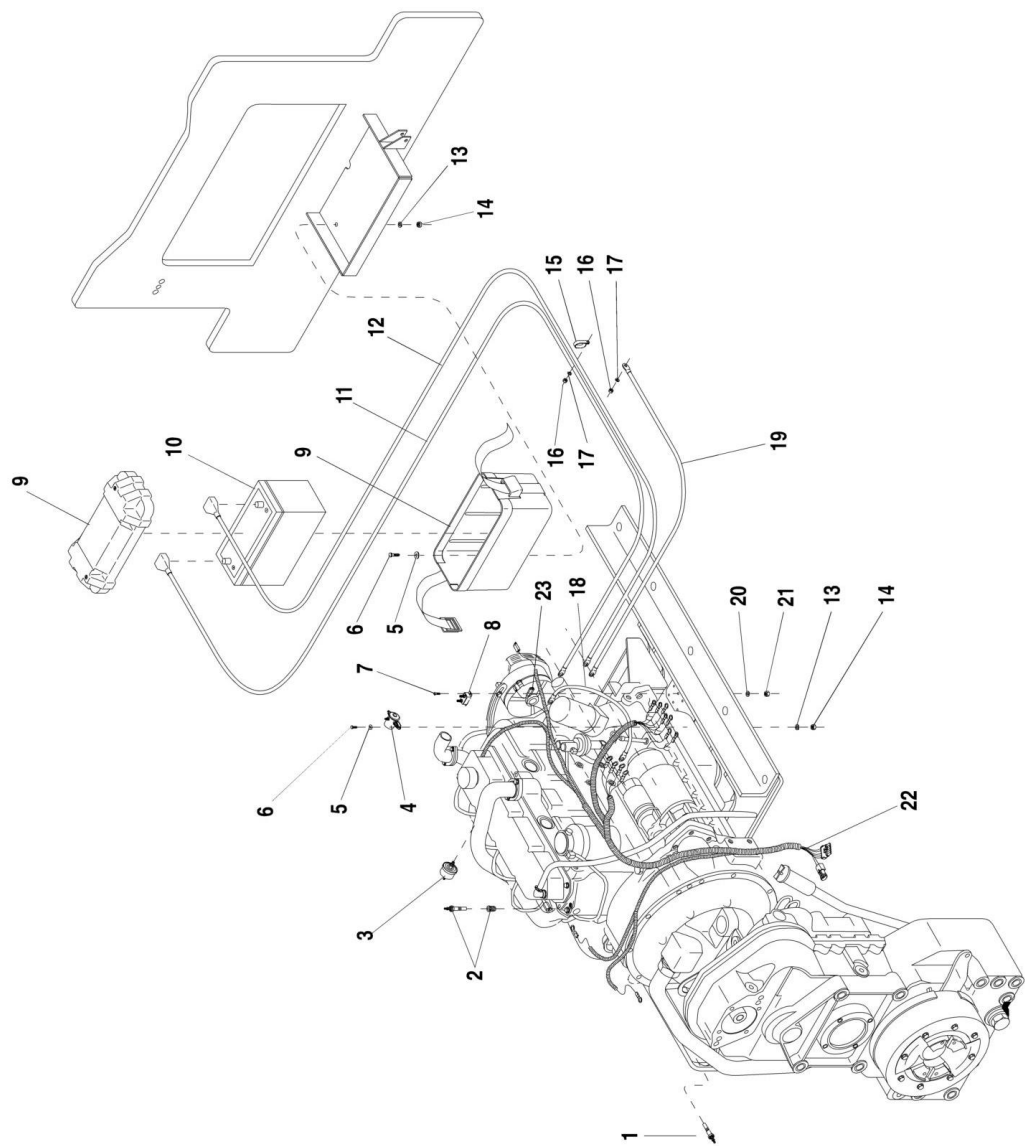
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**FIGURE 9-15. ELECTRICAL GROUP - OUTRIGGER/BOOM EXTEND LOCKOUT (1044C-54,10K-54)
(1044C-54 SN 305 through 306, Including 287 and 291; 10K-54 SN 114 to Present)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	68441A	2	Pressure Switch, Differential (Replaces 39321A)	
2	66809C	1	Wire Harness, Boom Extend, Lower	
3	39351A	1	Wire Harness, Boom Extend Proximity Switch	
4	38231A	1	Wire, Proximity Switch Connection	
5	37115X	1	Switch, Proximity	
6	38655A	1	Boom Extend Lockout Valve (See CONTROL HYDRAULICS SECTION for Breakdown)	

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FIGURE 9-16. ELECTRICAL GROUP - ENGINE (DEERE) 4039D AND 4039T



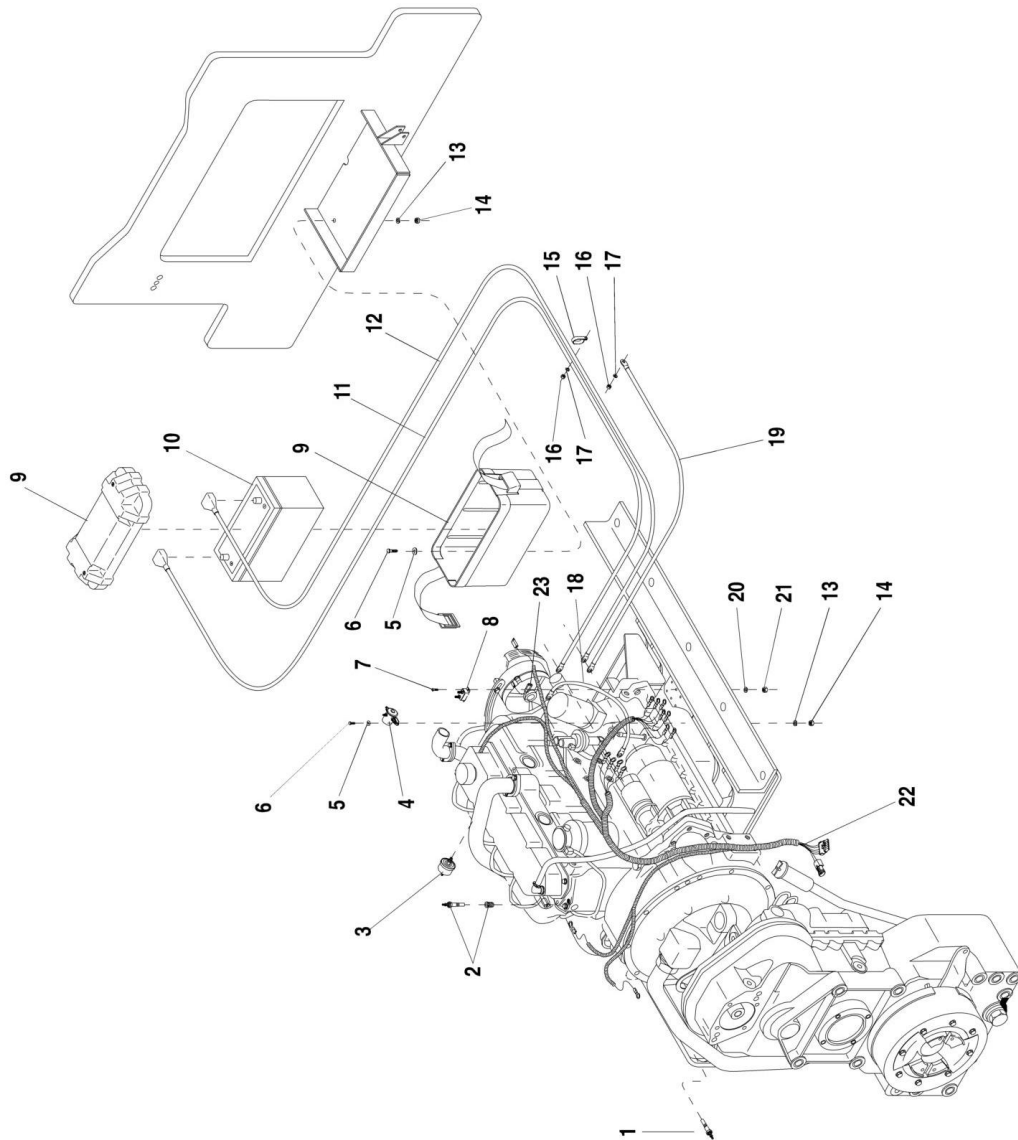
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FIGURE 9-16. ELECTRICAL GROUP - ENGINE (DEERE) 4039D AND 4039T

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P19472	1	Sender, Transmission Oil Temperature	
2	P23222	1	Sender, Water Temperature	
3	P23217	1	Sender, Oil Pressure	
4	P21777	1	Starter Relay	
5	P01402	6	Flatwasher, 1/4in	
6	P00003	6	Capscrew Hx, 1/4in-20 x 3/4in	
7	P02054	4	Screw, Slotted Rd Hd, #10-24 x 1/2in	
8	P29694	2	Circuit Breaker	
9	66935B	1	Battery Box (Includes Cover and Strap) (8.25in x 5.88in Bolt Pattern)	
9	N.L.A.		Battery Box (Includes Cover and Strap) (14.44in x 6.25in Bolt Pattern) (Note: Order Battery Box Replacement Kit 66936B)	
9	N.L.A.		Battery Box (Includes Cover and Strap) (8.25in x 5in Bolt Pattern) (Note: Order Battery Box Replacement Kit 66936B)	
10	P40075	1	Battery, 12 Volt, BCI Group 31, 925 CCA (Note: Obtain Locally)	
11	35646A	1	Battery Cable, Positive	
12	35532A	1	Battery Cable, Negative	
13	P01308	6	Lockwasher, 1/4in	
14	P01506	6	Nut, Hx, 1/4in-20	
15	37368X	2	Clamp, Battery Cable (Replaces P17553)	
16	P01508	3	Nut, Hx, 3/8in-16	
17	P01310	3	Lockwasher, 3/8in	
18	P28569	1	Wire, Alternator to Starter Solenoid	
19	35647A	1	Battery Cable, Ground	
20	P01306	4	Lockwasher, #10	
21	P01504	4	Nut, Hx, #10-24	
22	38074C	1	Wire Harness, Lower (Includes Item 23)	
23	P21787	1	Diode Module	

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FIGURE 9-17. ELECTRICAL GROUP - ENGINE (DEERE) 4045D, 4045T AND 6068D (644B-37 SN 667 through 1289, SN 1293 through 1303, Including 591; 644B-42 SN 208 through 341, SN 344 through 362; 844C-42 SN 622 through 1352, Except SN 1341 through 1342, Excluding 1199, 1255, 1310 and 1330; 1044C-42 SN 117 through 126; 1044C-54 SN 155 through 313, Except SN 305 through 306, Excluding 287 and 291; 6K-37 SN 318 through 494; 6K-42 SN 120 through 178; 8K-42 SN 221 through 333, Excluding 328 and 331; 10K-42 SN 107 through 108; 10K-54 SN 104 through 113)



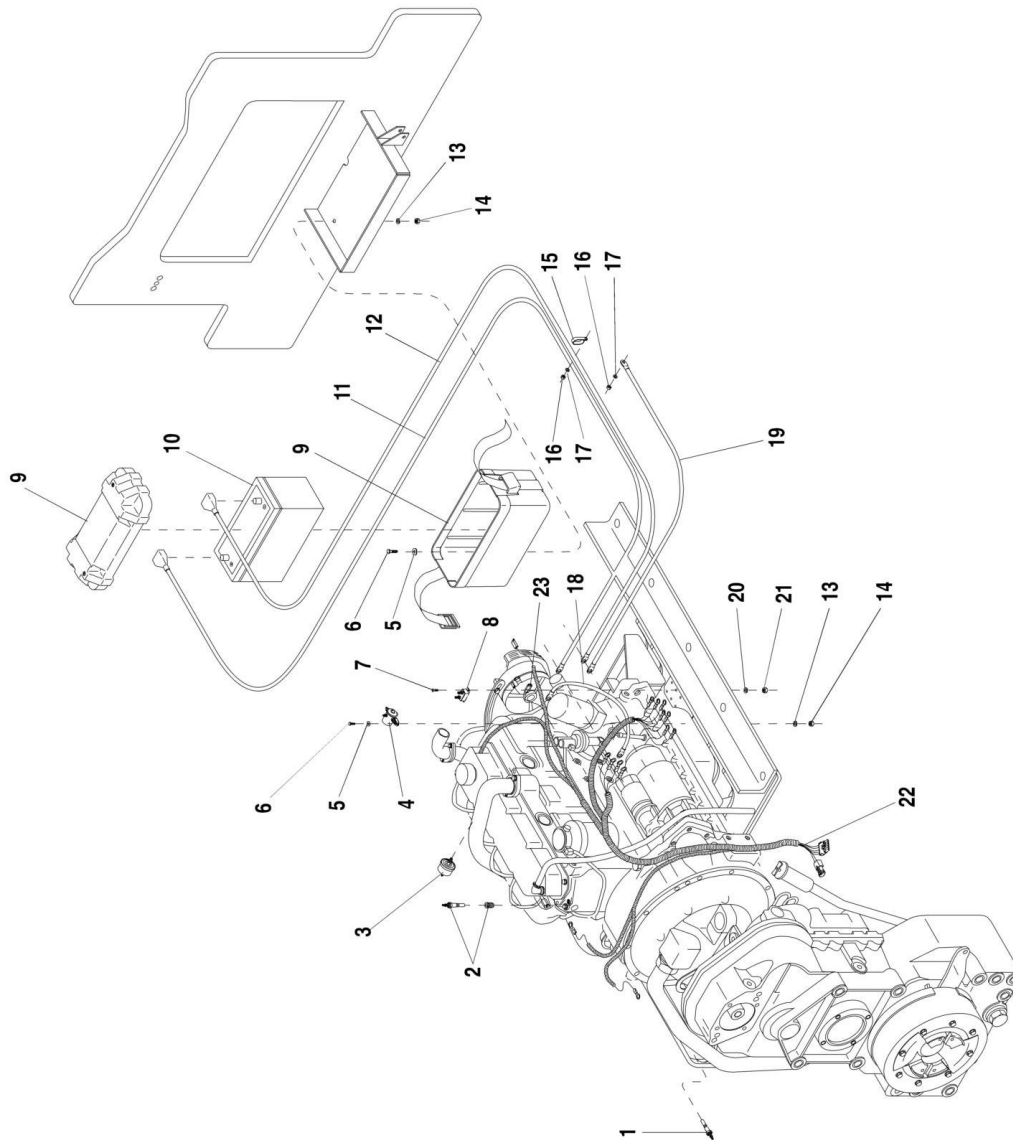
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FIGURE 9-17. ELECTRICAL GROUP - ENGINE (DEERE) 4045D, 4045T AND 6068D (644B-37 SN 667 through 1289, SN 1293 through 1303, Including 591; 644B-42 SN 208 through 341, SN 344 through 362; 844C-42 SN 622 through 1352, Except SN 1341 through 1342, Excluding 1199, 1255, 1310 and 1330; 1044C-42 SN 117 through 126; 1044C-54 SN 155 through 313, Except SN 305 through 306, Excluding 287 and 291; 6K-37 SN 318 through 494; 6K-42 SN 120 through 178; 8K-42 SN 221 through 333, Excluding 328 and 331; 10K-42 SN 107 through 108; 10K-54 SN 104 through 113)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P19472	1	Sender, Transmission Oil Temperature	
2	P23222	1	Sender, Water Temperature	
3	P23217	1	Sender, Oil Pressure	
4	P21777	1	Starter Relay	
5	P01402	6	Flatwasher, 1/4in	
6	P00003	6	Capscrew Hx, 1/4in-20 x 3/4in	
7	P02054	4	Screw, Slotted Rd Hd, #10-24 x 1/2in	
8	P29694	2	Circuit Breaker	
9	66935B	1	Battery Box (Includes Cover and Strap) (8.25in x 5.88in Bolt Pattern)	
9	N.L.A.		Battery Box (Includes Cover and Strap) (14.44in x 6.25in Bolt Pattern) (Note: Order Battery Box Replacement Kit 66936B)	
9	N.L.A.		Battery Box (Includes Cover and Strap) (8.25in x 5in Bolt Pattern) (Note: Order Battery Box Replacement Kit 66936B)	
10	P40075	1	Battery, 12 Volt, BCI Group 31, 925 CCA (Note: Obtain Locally)	
11	35646A	1	Battery Cable, Positive	
12	65724A	1	Battery Cable, Negative	
13	P01308	6	Lockwasher, 1/4in	
14	P01506	6	Nut, Hx, 1/4in-20	
15	37368X	2	Clamp, Battery Cable (Replaces P17553)	
16	P01508	3	Nut, Hx, 3/8in-16	
17	P01310	3	Lockwasher, 3/8in	
18	P28569	1	Wire, Alternator to Starter Solenoid	
19	35647A	1	Battery Cable, Ground	
20	P01306	4	Lockwasher, #10	
21	P01504	4	Nut, Hx, #10-24	
22	65666C	1	Wire Harness, Lower (Includes Item 23)	
23	P21787	1	Diode Module	

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FIGURE 9-18. ELECTRICAL GROUP - ENGINE (DEERE) 4045D, 4045T AND 6068D (644B-37 SN 1290 through 1292, SN 1304 to Present; 644B-42 SN 342 through 343, SN 363 to Present; 844C-42 SN 1341 through 1342, SN 1353 to Present, Including 1199, 1255, 1310 and 1330; 1044C-42 SN 127 through 1044C; 1044C-54 SN 305 through 306, SN 314 to Present, Including 291; 6K-37 SN 495 to Present; 6K-42 SN 179 to Present; 8K-42 SN 334 to Present, Including 328 and 331; 10K-42 SN 109 to Present; 10K-54 SN 114 to Present)



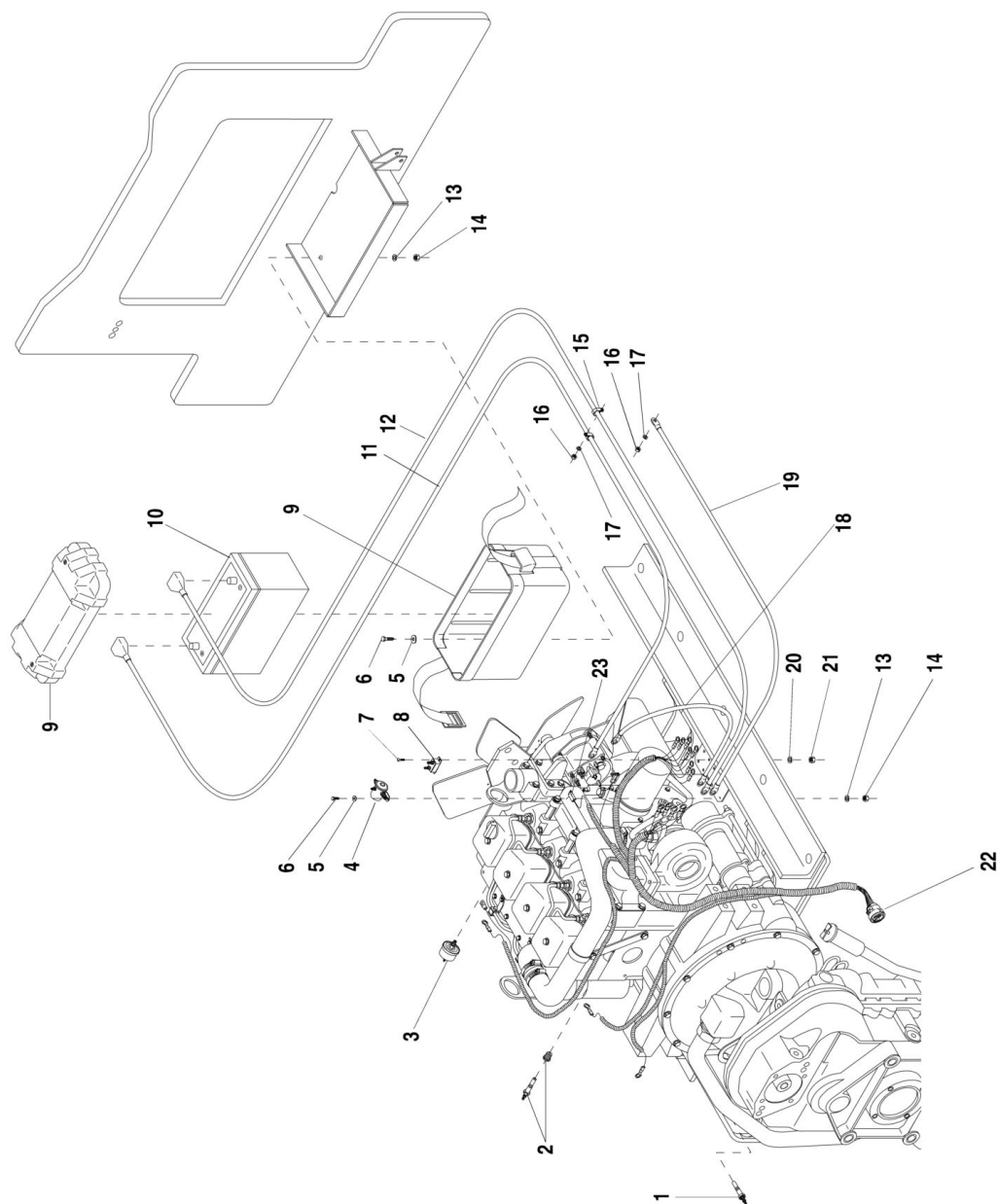
SECTION 9 - ELECTRICAL

FIGURE 9-18. ELECTRICAL GROUP - ENGINE (DEERE) 4045D, 4045T AND 6068D (644B-37 SN 1290 through 1292, SN 1304 to Present; 644B-42 SN 342 through 343, SN 363 to Present; 844C-42 SN 1341 through 1342, SN 1353 to Present, Including 1199, 1255, 1310 and 1330; 1044C-42 SN 127 through 1044C; 1044C-54 SN 305 through 306, SN 314 to Present, Including 291; 6K-37 SN 495 to Present; 6K-42 SN 179 to Present; 8K-42 SN 334 to Present, Including 328 and 331; 10K-42 SN 109 to Present; 10K-54 SN 114 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P19472	1	Sender, Transmission Oil Temperature	
2	P23222	1	Sender, Water Temperature	
3	P23217	1	Sender, Oil Pressure	
4	P21777	1	Starter Relay	
5	P01402	6	Flatwasher, 1/4in	
6	P00003	6	Capscrew Hx, 1/4in-20 x 3/4in	
7	P02054	4	Screw, Slotted Rd Hd, #10-24 x 1/2in	
8	P29694	2	Circuit Breaker	
9	66935B	1	Battery Box (Includes Cover and Strap)	
10	P40075	1	Battery, 12 Volt, BCI Group 31, 925 CCA (Note: Obtain Locally)	
11	35646A	1	Battery Cable, Positive	
12	65724A	1	Battery Cable, Negative	
13	P01308	6	Lockwasher, 1/4in	
14	P01506	6	Nut, Hx, 1/4in-20	
15	37368X	2	Clamp, Battery Cable	
16	P01508	3	Nut, Hx, 3/8in-16	
17	P01310	3	Lockwasher, 3/8in	
18	P28569	1	Wire, Alternator to Starter Solenoid	
19	35647A	1	Battery Cable, Ground	
20	P01306	4	Lockwasher, #10	
21	P01504	4	Nut, Hx, #10-24	
22	66930C	1	Wire Harness, Lower (Includes Item 23)	
23	P21787	1	Diode Module	

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FIGURE 9-19. ELECTRICAL GROUP - ENGINE (CUMMINS) 4BT3.9 (644B-37 SN 101 through 1044; 644B-42 SN 101 through 319; 844C-42 SN 101 through 818; 1044C-42 SN 101 through 122; 1044C-54 SN 101 through 268; 6K-37 SN 101 through 289; 6K-42 SN 101 through 127; 8K-42 SN 101 through 258; 10K-42 SN 101 through 108; 10K-54 SN 101 through 110)



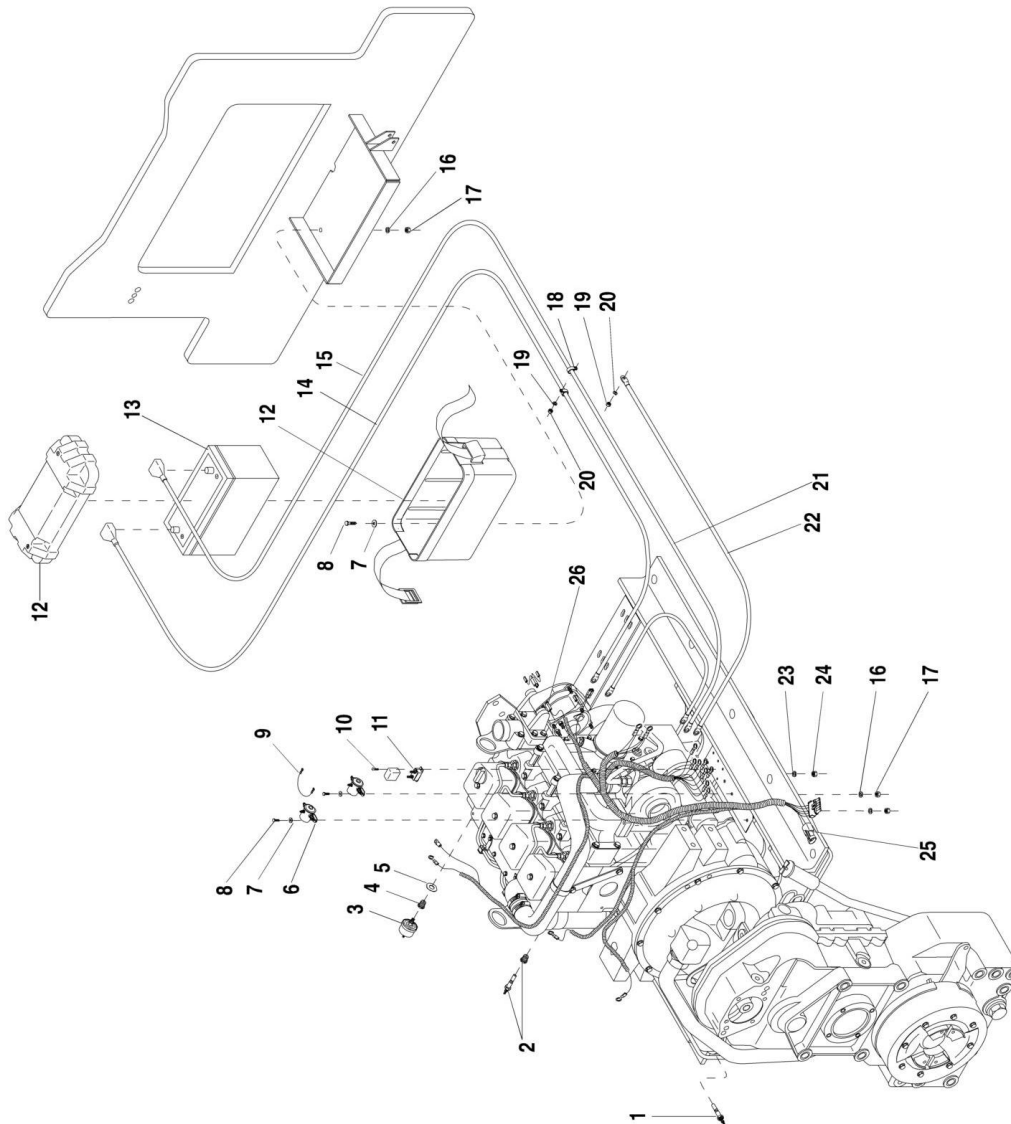
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FIGURE 9-19. ELECTRICAL GROUP - ENGINE (CUMMINS) 4BT3.9 (644B-37 SN 101 through 1044; 644B-42 SN 101 through 319; 844C-42 SN 101 through 818; 1044C-42 SN 101 through 122; 1044C-54 SN 101 through 268; 6K-37 SN 101 through 289; 6K-42 SN 101 through 127; 8K-42 SN 101 through 258; 10K-42 SN 101 through 108; 10K-54 SN 101 through 110)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P19472	1	Sender, Transmission Oil Temperature	
2	P23222	1	Sender, Water Temperature	
3	P23217	1	Sender, Oil Pressure	
4	P21777	1	Starter Relay	
5	P01402	6	Flatwasher, 1/4in	
6	P00003	6	Capscrew Hx, 1/4in-20 x 3/4in	
7	P02054	4	Screw, Slotted Rd Hd, #10-24 x 1/2in	
8	P29694	2	Circuit Breaker	
9	66935B	1	Battery Box (Includes Cover and Strap) (8.25in x 5.88in Bolt Pattern)	
9	N.L.A.		Battery Box (Includes Cover and Strap) (14.44in x 6.25in Bolt Pattern) (Note: Order Battery Box Replacement Kit 66936B)	
9	N.L.A.		Battery Box (Includes Cover and Strap) (8.25in x 5in Bolt Pattern) (Note: Order Battery Box Replacement Kit 66936B)	
10	P40075	1	Battery, 12 Volt, BCI Group 31, 925 CCA (Note: Obtain Locally)	
11	35646A	1	Battery Cable, Positive	
12	65724A	1	Battery Cable, Negative (Replaces 35532A)	
13	P01308	6	Lockwasher, 1/4in	
14	P01506	6	Nut, Hx, 1/4in-20	
15	37368X	2	Clamp, Battery Cable (Replaces P17553)	
16	P01508	3	Nut, Hx, 3/8in-16	
17	P01310	3	Lockwasher, 3/8in	
18	P28569	1	Wire, Alternator to Starter Solenoid	
19	35647A	1	Battery Cable, Ground	
20	P01306	4	Lockwasher, #10	
21	P01504	4	Nut, Hx, #10-24	
22	38074C	1	Wire Harness, Lower (Includes Item 23)	
23	P21787	1	Diode Module	

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FIGURE 9-20. ELECTRICAL GROUP - ENGINE (CUMMINS) 4BT3.9 (644B-37 SN 1045 to Present; 644B-42 SN 320 to Present; 844C-42 SN 819 to Present; 1044C-42 SN 123 to Present; 1044C-54 SN 269 to Present; 6K-37 SN 290 to Present; 6K-42 SN 128 to Present; 8K-42 SN 259 to Present; 10K-42 SN 109 to Present; 10K-54 SN 111 to Present)



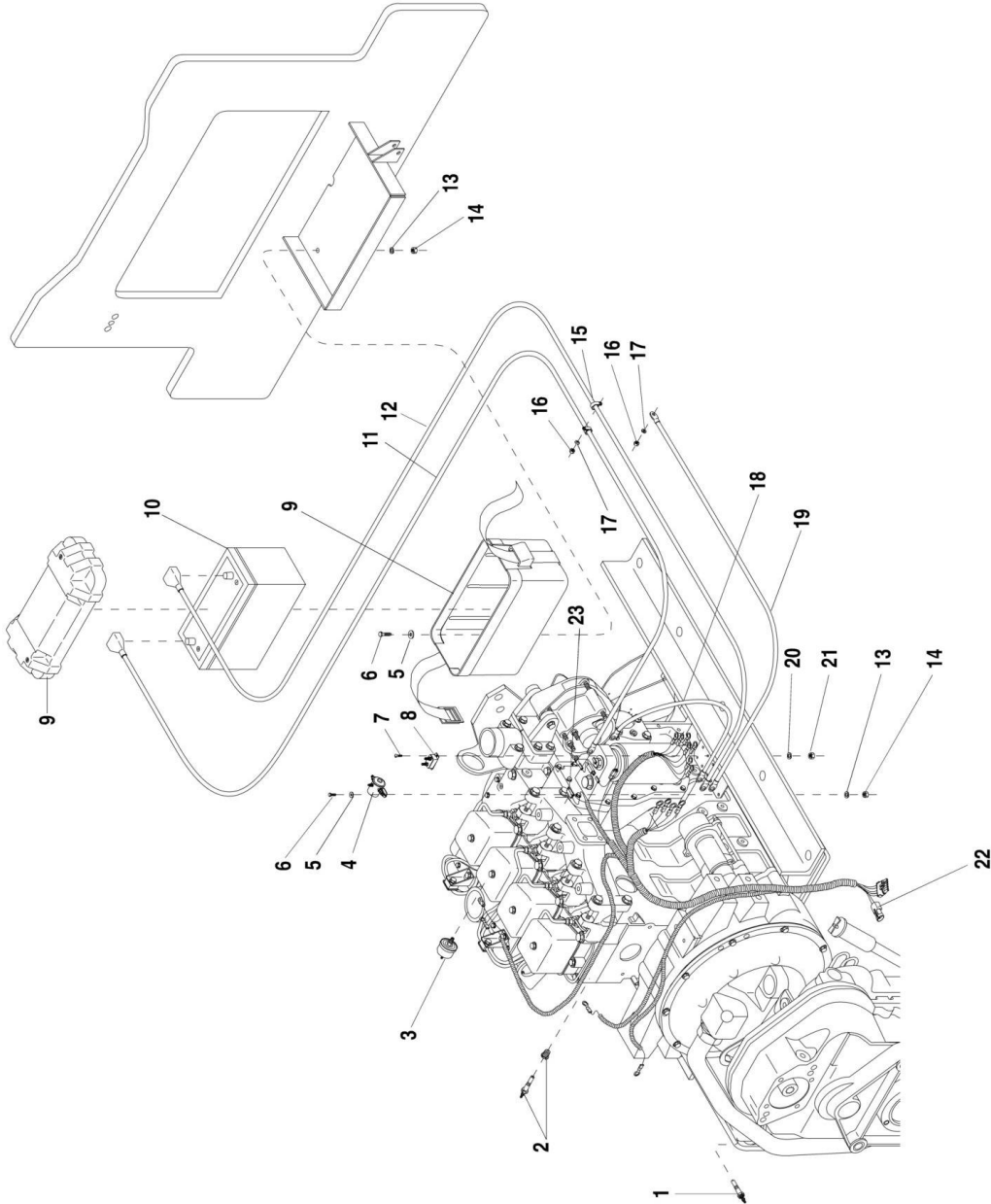
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FIGURE 9-20. ELECTRICAL GROUP - ENGINE (CUMMINS) 4BT3.9 (644B-37 SN 1045 to Present; 644B-42 SN 320 to Present; 844C-42 SN 819 to Present; 1044C-42 SN 123 to Present; 1044C-54 SN 269 to Present; 6K-37 SN 290 to Present; 6K-42 SN 128 to Present; 8K-42 SN 259 to Present; 10K-42 SN 109 to Present; 10K-54 SN 111 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P19472	1	Sender, Transmission Oil Temperature	
2	P23222	1	Sender, Water Temperature	
3	P23217	1	Sender, Oil Pressure	
4	66115X	1	Adapter, Metric Male M10 x Female 1/8in N.P.T.	
5	66114X	1	Seal, Bonded, O-Ring	
6	P21777	1	Starter Relay	
7	P01402	8	Flatwasher, 1/4in	
8	P00003	8	Capscrew Hx, 1/4in-20 x 3/4in	
9	P28569	1	Jumper Wire	
10	P02054	4	Screw, Slotted Rd Hd, #10-24 x 1/2in	
11	P29694	2	Circuit Breaker	
12	66935B	1	Battery Box (Includes Cover and Strap) (8.25in x 5.88in Bolt Pattern)	
13	P40075	1	Battery, 12 Volt, BCI Group 31, 925 CCA (Note: Obtain Locally)	
14	35646A	1	Battery Cable, Positive	
15	65724A	1	Battery Cable, Negative	
16	P01308	8	Lockwasher, 1/4in	
17	P01506	8	Nut, Hx, 1/4in-20	
18	37368X	2	Clamp, Battery Cable	
19	P01508	3	Nut, Hx, 3/8in-16	
20	P01310	3	Lockwasher, 3/8in	
21	P28569	1	Wire, Alternator to Starter Solenoid	
22	35647A	1	Battery Cable, Ground	
23	P01306	4	Lockwasher, #10	
24	P01504	4	Nut, Hx, #10-24	
25	67024C	1	Wire Harness, Lower (Includes Item 26) (Note: Use 65951C for the following Machines, 644B-37 S/N 1045 through 1289, 1292 through 1303; 644B-42 S/N 320 through 341, 343 through 635; 844C-42 S/N 819 through 1198, 1200 through 1254, 1256 through 1309, 1311 through 1329, 1331 through 1339, 1343 through 1352; 1044C-54 S/N 269 through 286, 288 through 290, 292 through 304, 307 through 313; 6K-37 S/N 290 through 494; 6K-42 S/N 128 through 178; 8K-42 S/N 259 through 327, 329, 330, 332 & 333)	
26	P21787	1	Diode Module	
Ref	66138X	-	Block Heater	

SECTION 9 - ELECTRICAL

FIGURE 9-21. ELECTRICAL GROUP - ENGINE (CUMMINS) 4B3.9 (644B-37,644B-42,6K-37,6K-42)
(644B-37 SN 101 through 1359; 644B-42 SN 101 through 398; 6K-37 SN 101 through 518; 6K-42 SN
101 through 180)



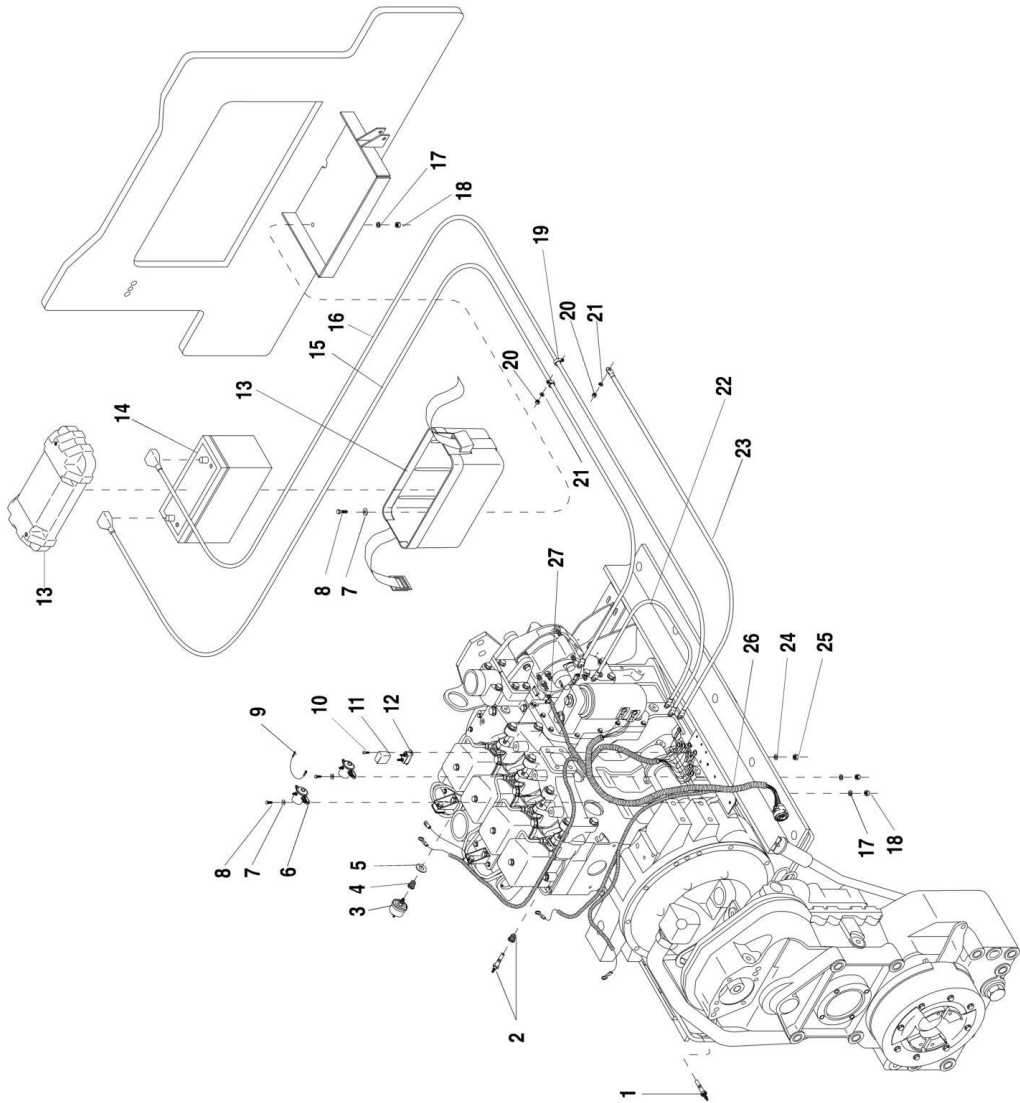
SECTION 9 - ELECTRICAL

**FIGURE 9-21. ELECTRICAL GROUP - ENGINE (CUMMINS) 4B3.9 (644B-37,644B-42,6K-37,6K-42)
(644B-37 SN 101 through 1359; 644B-42 SN 101 through 398; 6K-37 SN 101 through 518; 6K-42 SN
101 through 180)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P19472	1	Sender, Transmission Oil Temperature	
2	P23222	1	Sender, Water Temperature	
3	P23217	1	Sender, Oil Pressure	
4	P21777	1	Starter Relay	
5	P01402	6	Flatwasher, 1/4in	
6	P00003	6	Capscrew Hx, 1/4in-20 x 3/4in	
7	P02054	4	Screw, Slotted Rd Hd, #10-24 x 1/2in	
8	P29694	2	Circuit Breaker	
9	66935B	1	Battery Box (Includes Cover and Strap) (8.25in x 5.88in Bolt Pattern)	
9	N.L.A.		Battery Box (Includes Cover and Strap) (14.44in x 6.25in Bolt Pattern) (Note: Order Battery Box Replacement Kit 66936B)	
9	N.L.A.		Battery Box (Includes Cover and Strap) (Note: Order Battery Box Replacement Kit 66936B)	
10	P40075	1	Battery, 12 Volt, BCI Group 31, 925 CCA (Note: Obtain Locally)	
11	35646A	1	Battery Cable, Positive	
12	65724A	1	Battery Cable, Negative	
13	P01308	6	Lockwasher, 1/4in	
14	P01506	6	Nut, Hx, 1/4in-20	
15	37368X	2	Clamp, Battery Cable	
16	P01508	3	Nut, Hx, 3/8in-16	
17	P01310	3	Lockwasher, 3/8in	
18	P28569	1	Wire, Alternator to Starter Solenoid	
19	35647A	1	Battery Cable, Ground	
20	P01306	4	Lockwasher, #10	
21	P01504	4	Nut, Hx, #10-24	
22	38074C	1	Wire Harness, Lower (Includes Item 23)	
23	P21787	1	Diode Module	

SECTION 9 - ELECTRICAL

FIGURE 9-22. ELECTRICAL GROUP - ENGINE (CUMMINS) 4B3.9 EPA (644B-37,644B-42,6K-37,6K-42)
(644B-37 SN 1360 to Present; 644B-42 SN 399 to Present; 6K-37 SN 519 to Present; 6K-42 SN 181 to Present)



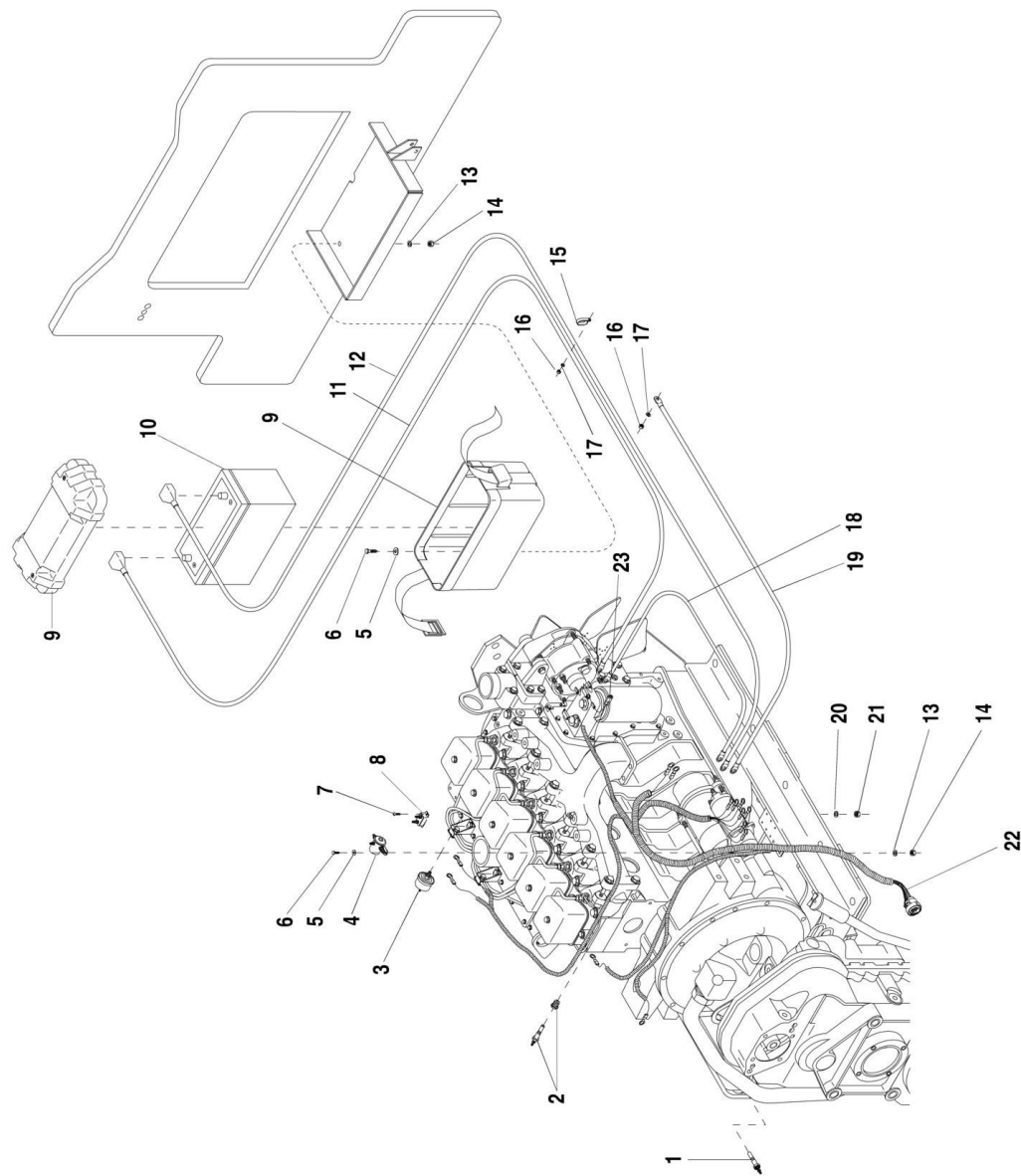
SECTION 9 - ELECTRICAL

FIGURE 9-22. ELECTRICAL GROUP - ENGINE (CUMMINS) 4B3.9 EPA (644B-37,644B-42,6K-37,6K-42) (644B-37 SN 1360 to Present; 644B-42 SN 399 to Present; 6K-37 SN 519 to Present; 6K-42 SN 181 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P19472	1	Sender, Transmission Oil Temperature	
2	P23222	1	Sender, Water Temperature	
3	P23217	1	Sender, Oil Pressure	
4	66115X	1	Adapter, Metric Male M10 x Female 1/8in N.P.T.	
5	66114X	1	Seal, Bonded, O-Ring	
6	P21777	2	Starter Relay	
7	P01402	8	Flatwasher, 1/4in	
8	P00003	8	Capscrew Hx, 1/4in-20 x 3/4in	
9	P28569	1	Jumper Wire	
10	P02054	4	Screw, Slotted Rd Hd, #10-24 x 1/2in	
11	67571X	2	Cover, Circuit Breaker	
12	P29694	2	Circuit Breaker	
13	66935B	1	Battery Box (Includes Cover and Strap)	
14	P40075	1	Battery, 12 Volt, BCI Group 31, 925 CCA (Note: Obtain Locally)	
15	35646A	1	Battery Cable, Positive	
16	65724A	1	Battery Cable, Negative	
17	P01308	8	Lockwasher, 1/4in	
18	P01506	8	Nut, Hx, 1/4in-20	
19	37368X	2	Clamp, Battery Cable	
20	P01508	3	Nut, Hx, 3/8in-16	
21	P01310	3	Lockwasher, 3/8in	
22	P28569	1	Wire, Alternator to Starter Solenoid	
23	35647A	1	Battery Cable, Ground	
24	P01306	4	Lockwasher, #10	
25	P01504	4	Nut, Hx, #10-24	
26	67024C	1	Wire Harness, Lower (Includes Item 27)	
27	P21787	1	Diode Module	

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FIGURE 9-23. ELECTRICAL GROUP - ENGINE (CUMMINS) 6BT5.9 (1044C-42,1044C-54,10K-42,10K-54,844C-42) (844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 Including 101)



SECTION 9 - ELECTRICAL

FIGURE 9-23. ELECTRICAL GROUP - ENGINE (CUMMINS) 6BT5.9 (1044C-42,1044C-54,10K-42,10K-54,844C-42) (844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 Including 101)

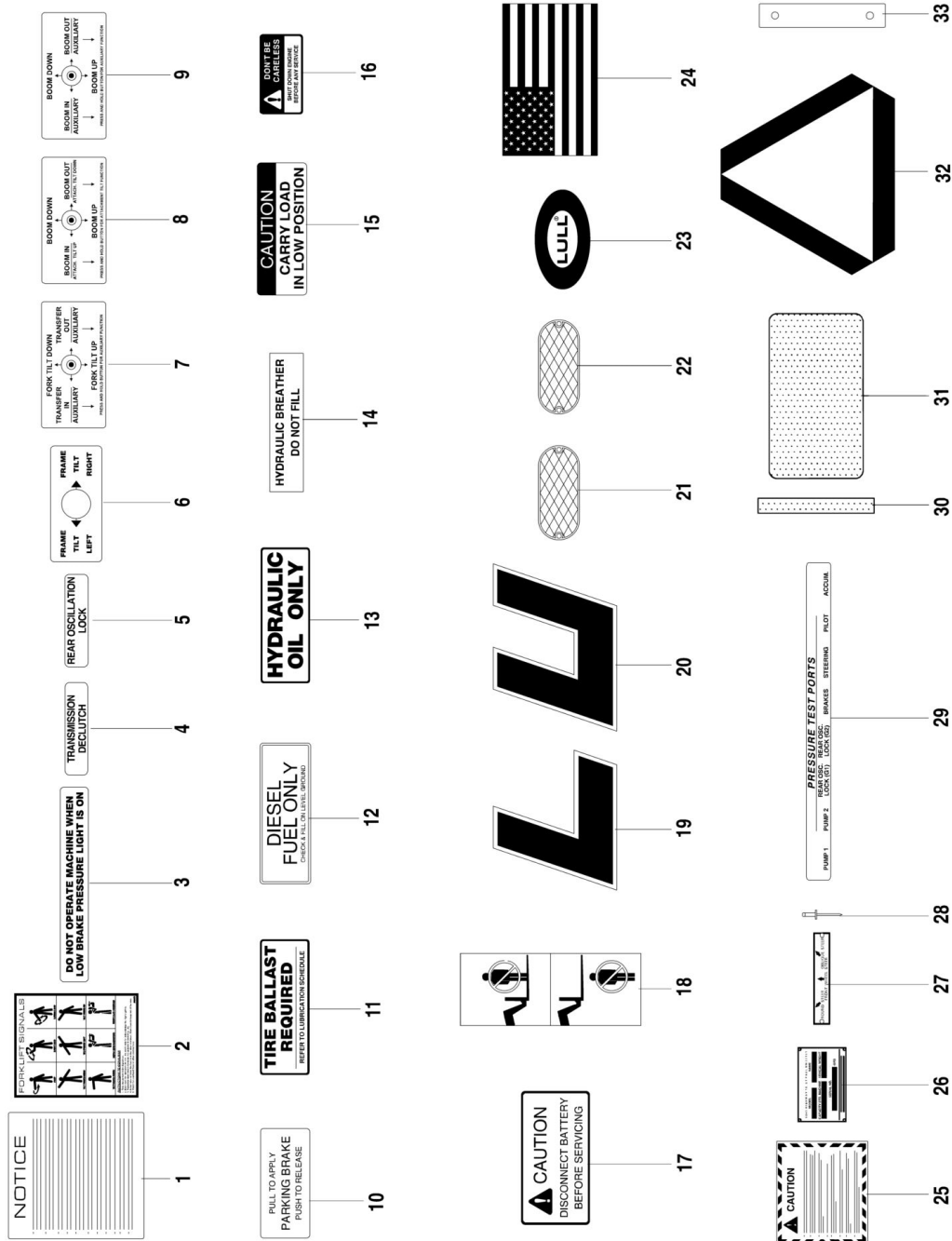
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P19472	1	Sender, Transmission Oil Temperature	
2	P23222	1	Sender, Water Temperature	
3	P23217	1	Sender, Oil Pressure	
4	P21777	1	Starter Relay	
5	P01402	6	Flatwasher, 1/4in	
6	P00003	6	Capscrew Hx, 1/4in-20 x 3/4in	
7	P02054	4	Screw, Slotted Rd Hd, #10-24 x 1/2in	
8	P29694	2	Circuit Breaker	
9	66935B	1	Battery Box (Includes Cover and Strap)	
10	P40075	1	Battery, 12 Volt, BCI Group 31, 925 CCA (Note: Obtain Locally)	
11	35646A	1	Battery Cable, Positive	
12	65724A	1	Battery Cable, Negative	
13	P01308	6	Lockwasher, 1/4in	
14	P01506	6	Nut, Hx, 1/4in-20	
15	37368X	2	Clamp, Battery Cable	
16	P01508	3	Nut, Hx, 3/8in-16	
17	P01310	3	Lockwasher, 3/8in	
18	P28569	1	Wire, Alternator to Starter Solenoid	
19	35647A	1	Battery Cable, Ground	
20	P01306	4	Lockwasher, #10	
21	P01504	4	Nut, Hx, #10-24	
22	38074C	1	Wire Harness, Lower (Includes Item 23)	
23	P21787	1	Diode Module	

SECTION 10 - DECALS AND OPTIONAL EQUIPMENT

SECTION 10 - DECALS AND OPTIONAL EQUIPMENT

SECTION 10 - DECALS AND OPTIONAL EQUIPMENT

FIGURE 10-1. DECAL GROUP COMMON (644B-37 SN 101 through 1289, SN 1293 through 1303; 644B-42 SN 101 through 341, SN 344 through 362; 844C-42 SN 101 through 1352, Except SN 1341 through 1342, Excluding 1199, 1255, 1310 and 1330; 1044C-42 SN 101 through 126; 1044C-54 SN 101 through 313, Except SN 305 through 306, Excluding 287 and 291; 6K-37 SN 101 through 494; 6K-42 SN 101 through 178; 8K-42 SN 101 through 333, Excluding 328 and 331; 10K-42 SN 101 through 108; 10K-54 SN 101 through 113)



SECTION 10 - DECALS AND OPTIONAL EQUIPMENT

FIGURE 10-1. DECAL GROUP COMMON (644B-37 SN 101 through 1289, SN 1293 through 1303; 644B-42 SN 101 through 341, SN 344 through 362; 844C-42 SN 101 through 1352, Except SN 1341 through 1342, Excluding 1199, 1255, 1310 and 1330; 1044C-42 SN 101 through 126; 1044C-54 SN 101 through 313, Except SN 305 through 306, Excluding 287 and 291; 6K-37 SN 101 through 494; 6K-42 SN 101 through 178; 8K-42 SN 101 through 333, Excluding 328 and 331; 10K-42 SN 101 through 108; 10K-54 SN 101 through 113)

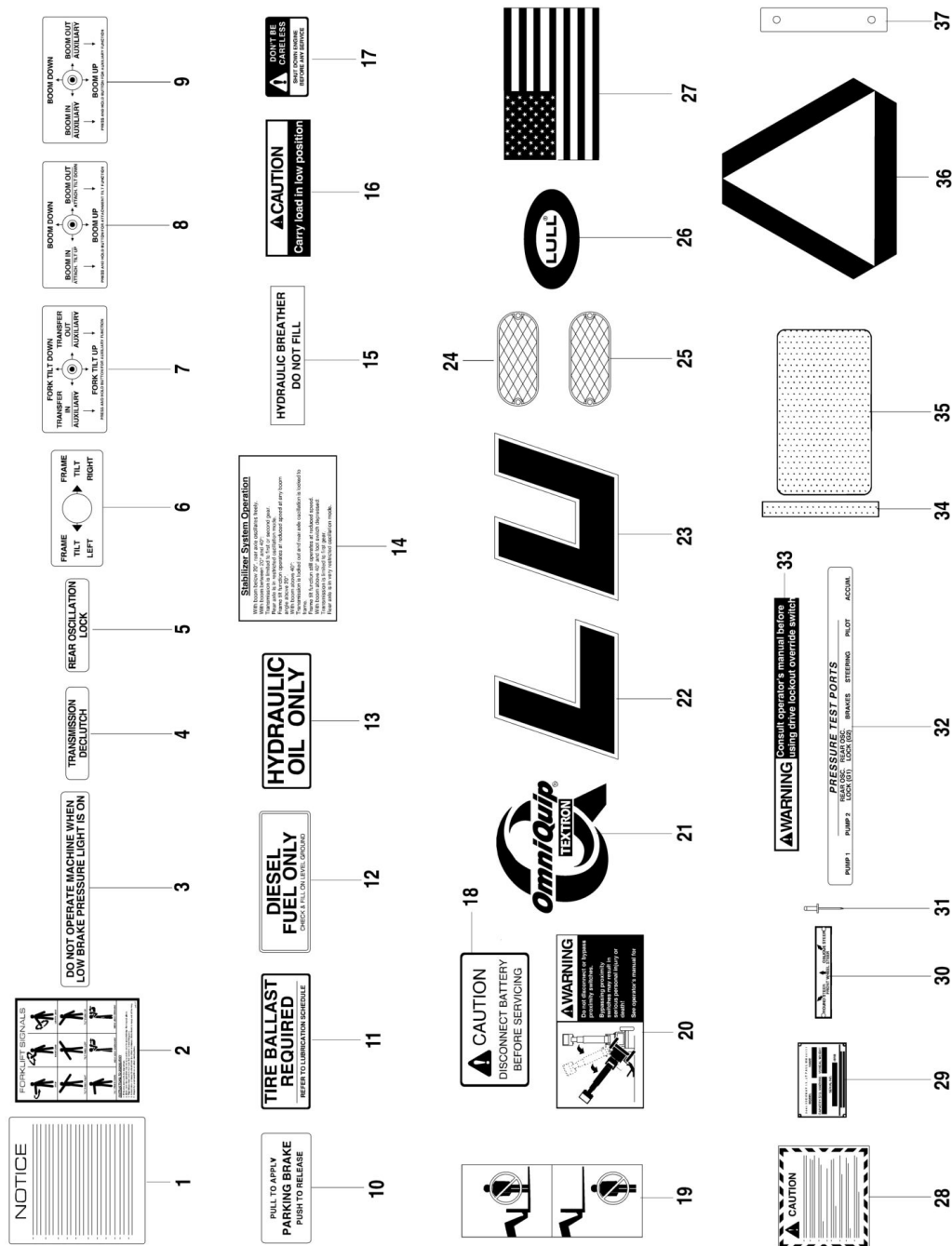
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	20963B	1	Decal, Notice	
2	39617B	1	Decal, Forklift Signals	
3	24906A	1	Decal, Low Brake Pressure Warning	
4	35082A	1	Decal, Transmission Declutch	
5	38237A	1	Decal, Rear Oscillation Lock	
6	30487A	1	Decal, Frame Tilt Control	
7	35091A	1	Decal, Transfer and Fork Tilt Control	
8	38180A	1	Decal, Transfer and Fork Tilt Control (K Models)	
9	35090A	1	Decal, Boom Movement Control	
10	35193A	1	Decal, Parking Brake, Pull to Apply	
11	24751A	4	Decal, Tire Ballast Required	
12	20989A	1	Decal, Diesel Fuel Only	
13	20988A	1	Decal, Hydraulic Oil Only	
14	39619A	1	Decal, Hydraulic Breather	
15	21318A	1	Decal, Caution, Carry Load in Low Position	
16	21319A	2	Decal, Don't Be Careless	
17	35092A	1	Decal, Disconnect Battery	
18	24752B	2	Decal, Carriage Safety	
19	15731B	9	Decal, Letter "L"	
20	15732B	3	Decal, Letter "U"	
21	P18991	2	Reflector, Red	
22	P18992	2	Reflector, Yellow	
23	39376C	1	Decal, "Lull" Logo - Large (18in)	
23	38843B	2	Decal, "Lull" Logo - Small (8in)	
24	26431B	2	Decal, American Flag	
25	20964B	1	Plate, Caution	
26	N.S.S.	1	Plate, Serial Number	
27	12750A	1	Plate, Steer Selector	
28	P32958	14	Pop-Rivet, Aluminum, 1/8in Dia x .337in Long	
29	39962C	1	Decal, Pressure Test Ports (Note: Use 38178C For the Following Machines: 644B-37 S/N 101 through 590; 644B-37 S/N 592 through 666; 644B-42 S/N 101 through 207; 844C-42 S/N 101 through 621; 1044C-42 S/N 101 through 116; 1044C-54 S/N 101 through 154; 6K-37 S/N 101 through 317; 6K-42 S/N 101 through 119; 8K S/N 101 through 220; 10K-42 S/N 101 through 106; 10K-54 S/N 101 through 103)	
30	N12350	1	No-Slip Surfacing (2in x 14in Adhesive Strip)	
31	39087A	1	Foot Mat, No-Slip Adhesive Surfacing	
32	25252B	1	Slow Moving Vehicle Sign	
33	25253A	1	Mounting Bar, Slow Moving Vehicle Sign	
33	P01504	2	Nut, Hx, #10-24 (Not Illustrated, Mounts Items 32 & 33)	
33	P02059	2	Screw, Slotted Rd Hd, #10-24 x 1in (Not Illustrated, Mounts Items 32 & 33)	
33	P01400	2	Flatwasher, #10 (Not Illustrated, Mounts Items 32 & 33)	
33	P01306	2	Lockwasher, #10 (Not Illustrated, Mounts Items 32 & 33)	
101	38265B	1	Decal Replacement Kit (Includes Items 1-24, 30 & 31) (Note: Not Illustrated)	

SECTION 10 - DECALS AND OPTIONAL EQUIPMENT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	N.S.S. = Not Sold Separately	

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FIGURE 10-2. DECAL GROUP COMMON (644B-37 SN 1290 through 1292, SN 1304 to Present; 644B-42 SN 342 through 343, SN 363 to Present; 844C-42 SN 1341 through 1342, SN 1353 to Present, Including 1199, 1255, 1310 and 1330; 1044C-42 SN 127 to Present; 1044C-54 SN 305 through 306, SN 314 to Present, Including 287 and 291; 6K-37 SN 495 to Present; 6K-42 SN 179 to Present; 8K-42 SN 334 to Present, Including 328 and 331; 10K-42 SN 109 to Present; 10K-54 SN 114 to Present)



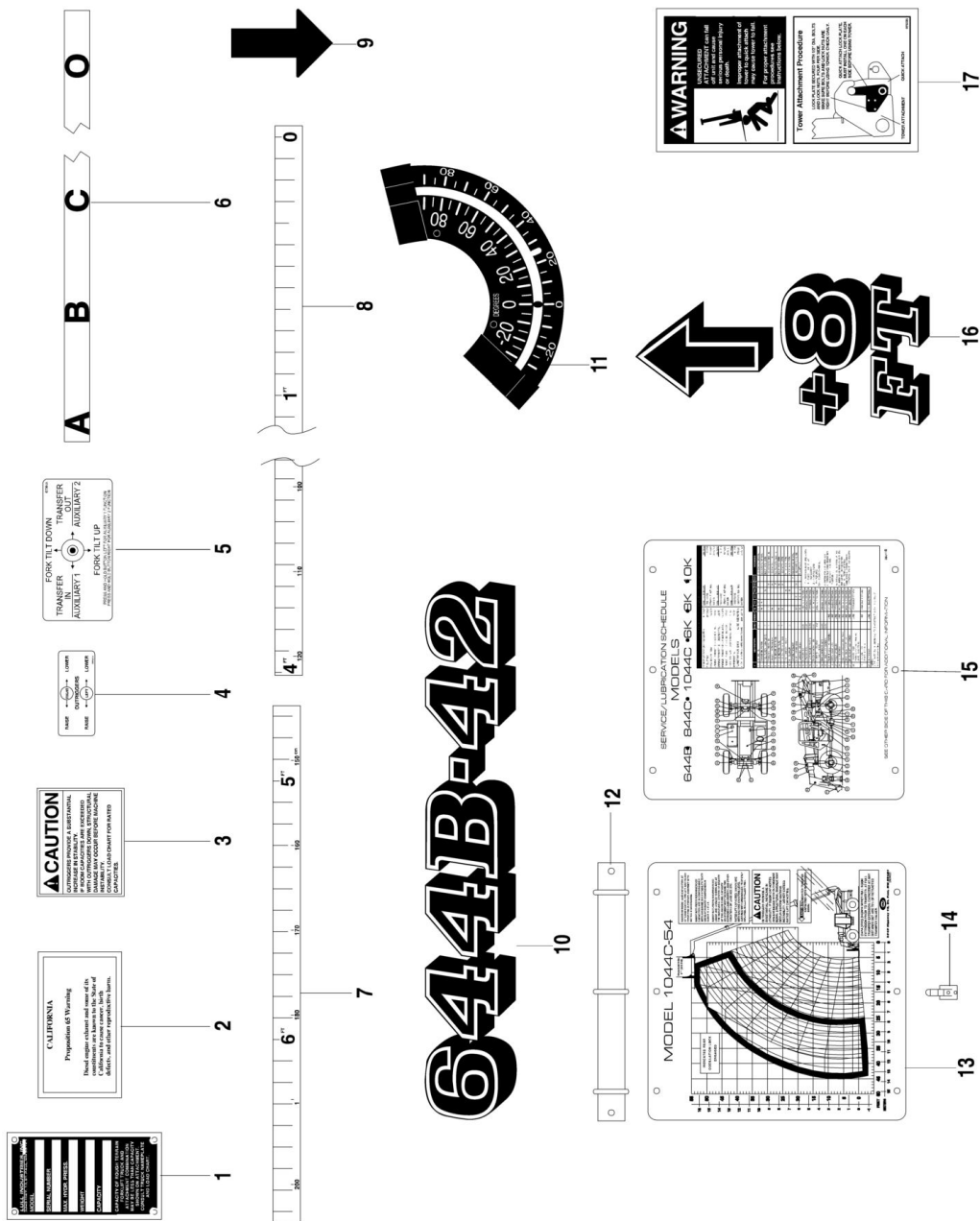
SECTION 10 - DECALS AND OPTIONAL EQUIPMENT

FIGURE 10-2. DECAL GROUP COMMON (644B-37 SN 1290 through 1292, SN 1304 to Present; 644B-42 SN 342 through 343, SN 363 to Present; 844C-42 SN 1341 through 1342, SN 1353 to Present, Including 1199, 1255, 1310 and 1330; 1044C-42 SN 127 to Present; 1044C-54 SN 305 through 306, SN 314 to Present, Including 287 and 291; 6K-37 SN 495 to Present; 6K-42 SN 179 to Present; 8K-42 SN 334 to Present, Including 328 and 331; 10K-42 SN 109 to Present; 10K-54 SN 114 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	20963B	1	Decal, Notice	
2	39617B	1	Decal, Forklift Signals	
3	24906A	1	Decal, Low Brake Pressure Warning	
4	35082A	1	Decal, Transmission Declutch	
5	38237A	1	Decal, Rear Oscillation Lock	
6	30487A	1	Decal, Frame Tilt Control	
7	35091A	1	Decal, Transfer and Fork Tilt Control	
8	38180A	1	Decal, Transfer and Fork Tilt Control (K Models)	
9	35090A	1	Decal, Boom Movement Control	
10	35193A	1	Decal, Parking Brake, Pull to Apply	
11	24751A	4	Decal, Tire Ballast Required	
12	20989A	1	Decal, Diesel Fuel Only	
13	20988A	1	Decal, Hydraulic Oil Only	
14	67808A	1	Decal, Stabilizer System Operation	
15	39619A	1	Decal, Hydraulic Breather	
16	67809A	1	Decal, Caution, Carry Load in Low Position	
17	21319A	2	Decal, Don't Be Careless	
18	35092A	1	Decal, Disconnect Battery	
19	24752B	2	Decal, Carriage Safety	
20	67807B	1	Decal, Warning, Proximity Switches	
21	66044B	1	Decal, OmniQuip	
22	15731B	9	Decal, Letter "L"	
23	15732B	3	Decal, Letter "U"	
24	P18991	2	Reflector, Red	
25	P18992	2	Reflector, Yellow	
26	39376C	1	Decal, "Lull" Logo - Large (18in)	
26	38843B	2	Decal, "Lull" Logo - Small (8in)	
27	26431B	2	Decal, American Flag	
28	20964B	1	Plate, Caution	
29	N.S.S.	1	Plate, Serial Number	
30	12750A	1	Plate, Steer Selector	
31	P32958	14	Pop-Rivet, Aluminum, 1/8in Dia x .337in Long	
32	39962C	1	Decal, Pressure Test Ports	
33	67810A	1	Decal, Warning, Consult Owners Manual	
34	N12350	1	No-Slip Surfacing (2in x 14in Adhesive Strip)	
35	39087A	1	Foot Mat, No-Slip Adhesive Surfacing	
36	25252B	1	Slow Moving Vehicle Sign	
37	25253A	1	Mounting Bar, Slow Moving Vehicle Sign	
37	P01504	2	Nut, Hx, #10-24 (Not Illustrated. Mounts Items 32 & 33)	
37	P02059	2	Screw, Slotted Rd Hd, #10-24 x 1in (Not Illustrated. Mounts Items 32 & 33)	
37	P01400	2	Flatwasher, #10 (Not Illustrated. Mounts Items 32 & 33)	
37	P01306	2	Lockwasher, #10 (Not Illustrated. Mounts Items 32 & 33)	
101	38265B	1	Decal Replacement Kit (Includes Items 1-13, 15-19, 22-27, 34-35) (Note: Not Illustrated)	
		Ref	N.S.S. = Not Sold Separately	

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FIGURE 10-3. DECAL GROUP AND FLIP CARDS



SECTION 10 - DECALS AND OPTIONAL EQUIPMENT

FIGURE 10-3. DECAL GROUP AND FLIP CARDS

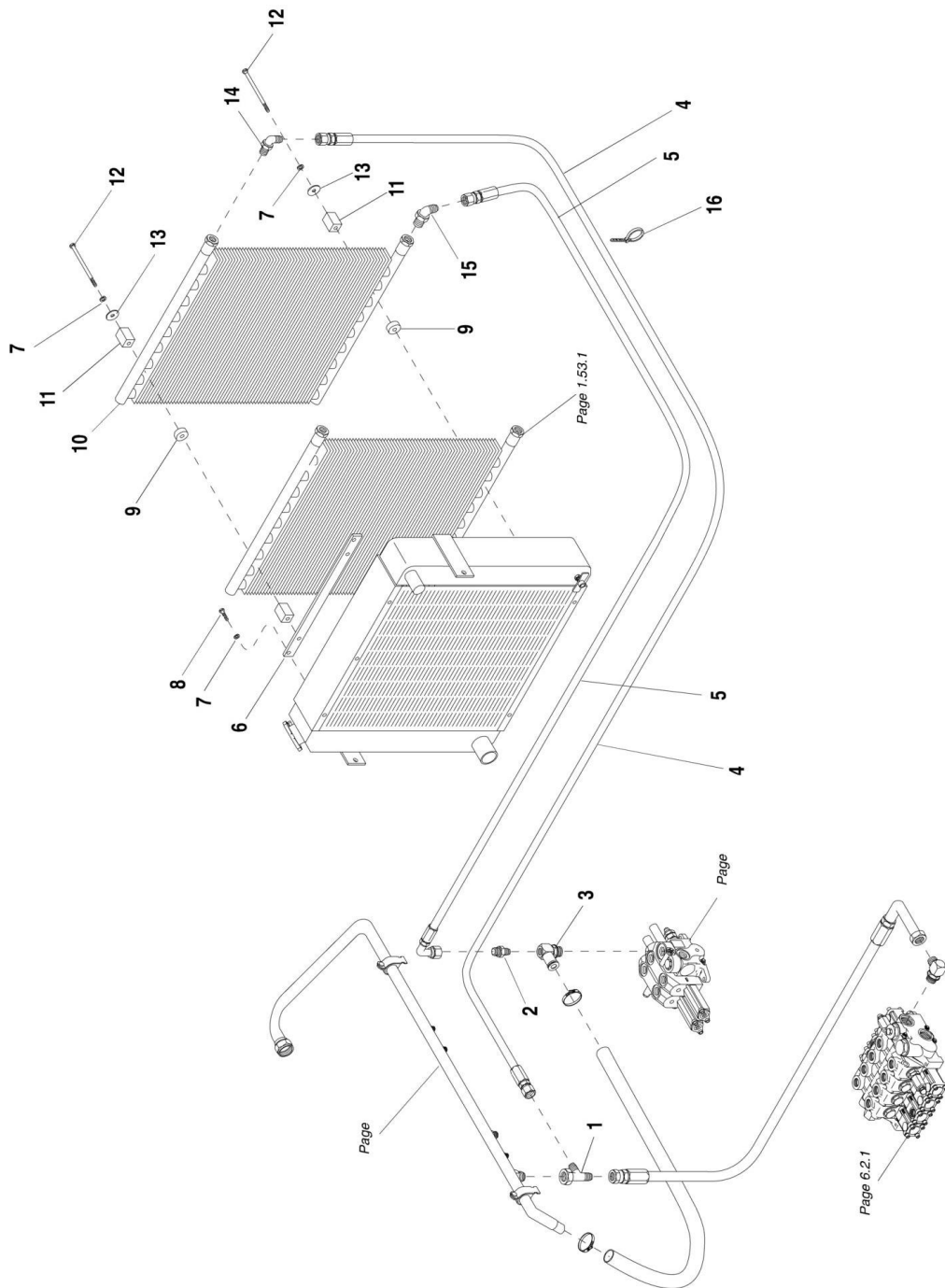
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	N.S.S.	Ref	Plate, Attachment Capacity	
2	39369A	1	Decal, California Proposition 65 Warning (California Machines Only)	
3	39033A	1	Decal, Outrigger Caution Decal	
4	38929A	1	Decal, Outrigger Control	
5	67264A	1	Decal, Pitch Control with Dual Auxiliary	
6	16360D	1	Decal, Boom Extension Indicator - 37 ft Boom	
6	38335C	1	Decal, Boom Extension Indicator - 42 ft Boom	
6	39784B	1	Decal, Boom Extension Indicator - 54 ft Boom	
7	38305D	1	Decal, Transfer Extension Indicator, Frame	
8	38304D	1	Decal, Transfer Extension Indicator, Cab	
9	16346A	2	Decal, Arrow	
10	38306C	2	Decal, Model (644B-37)	
10	38837C	2	Decal, Model (644B-42)	
10	38308C	1	Decal, Model (844C-42)	
10	38839C	2	Decal, Model (1044C-42)	
10	38841C	2	Decal, Model (1044C-54)	
10	38307C	2	Decal, Model (6K-37)	
10	38838C	2	Decal, Model (6K-42)	
10	38309C	2	Decal, Model (8K-42)	
10	38840C	2	Decal, Model (10K-42)	
10	38842C	2	Decal, Model (10K-54)	
11	38252B	1	Boom Angle Inclinator	
11	P02034	2	Screw, Slotted Rd Hd, #8-32 x 1/2in (Not Illustrated. Mounts Item 10)	
11	P01354	2	Starwasher, #8 External (Not Illustrated. Mounts Item 10)	
11	P01427	2	Flatwasher, #8 (Not Illustrated. Mounts Item 10)	
12	38718A	1	3-Ring Hanger, Flip Card	
13	38201B	1	Flip Card, Load Chart Capacities (644B-37)	
13	38967B	-	Flip Card, Load Chart w/ Truss Boom (644B-37)	
13	39039B	1	Flip Card, Load Chart Capacities (644B-42)	
13	39399B	-	Flip Card, Load Chart w/ Truss Boom (644B-42)	
13	38203B	1	Flip Card, Load Chart Capacities (844C-42)	
13	38458B	-	Flip Card, Load Chart w/ Truss Boom (844C-42)	
13	39025B	-	Flip Card, Load Chart w/ Outriggers (844C-42)	
13	39391B	-	Flip Card, Load Chart w/ Outriggers and w/ Truss Boom (844C-42)	
13	38998B	1	Flip Card, Load Chart Capacities (1044C-42)	
13	39395B	-	Flip Card, Load Chart w/ Truss Boom (1044C-42)	
13	39393B	-	Flip Card, Load Chart w/ Outriggers and w/ Truss Boom (1044C-42)	
13	39031B	-	Flip Card, Load Chart w/ Outriggers (1044C-42)	
13	39040B	1	Flip Card, Load Chart Capacities (1044C-54)	
13	65042B	-	Flip Card, Load Chart w/ Winch (1044C-54)	
13	39397B	-	Flip Card, Load Chart w/ Truss Boom (1044C-54)	
13	39041B	-	Flip Card, Load Chart w/ Tower (1044C-54)	
13	39982B	-	Flip Card, Load Chart w/ Swing Carriage (1044C-54)	
13	38202B	1	Flip Card, Load Chart Capacities (6K-37)	
13	38968B	-	Flip Card, Load Chart w/ Truss Boom (6K-37)	
13	39291B	-	Flip Card, Load Chart Capacities (6K-42)	
13	39400B	-	Flip Card, Load Chart w/ Truss Boom (6K-42)	
13	38204B	1	Flip Card, Load Chart Capacities (8K-42)	
13	38969B	-	Flip Card, Load Chart w/ Truss Boom (8K-42)	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
13	39026B	-	Flip Card, Load Chart w/ Outriggers (8K-42)	
13	39392B	-	Flip Card, Load Chart w/ Outriggers and w/ Truss Boom (8K-42)	
13	38999B	1	Flip Card, Load Chart Capacities (10K-42)	
13	39396B	-	Flip Card, Load Chart w/ Truss Boom (10K-42)	
13	39032B	-	Flip Card, Load Chart w/ Outriggers (10K-42)	
13	39394B	-	Flip Card, Load Chart w/ Outriggers and w/ Truss Boom (10K-42)	
13	39292B	1	Flip Card, Load Chart Capacities (10K-54)	
14	37364X	1	Holder, Flip Card	
15	39241B		Flip Card, Lube Schedule (Replaces 38214B)	
16	39382B	1	Decal, 8 FT Tower	
17	68500B	1	Decal, Tower/Quick Attach Warning	
		Ref	N.S.S. = Not Sold Separately	

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FIGURE 10-4. (OPTIONAL) HYDRAULIC OIL COOLER ASSEMBLY (1044C-54,10K-54) (1044C-54 SN 101 through 154; 10K-54 SN 101 through 103)



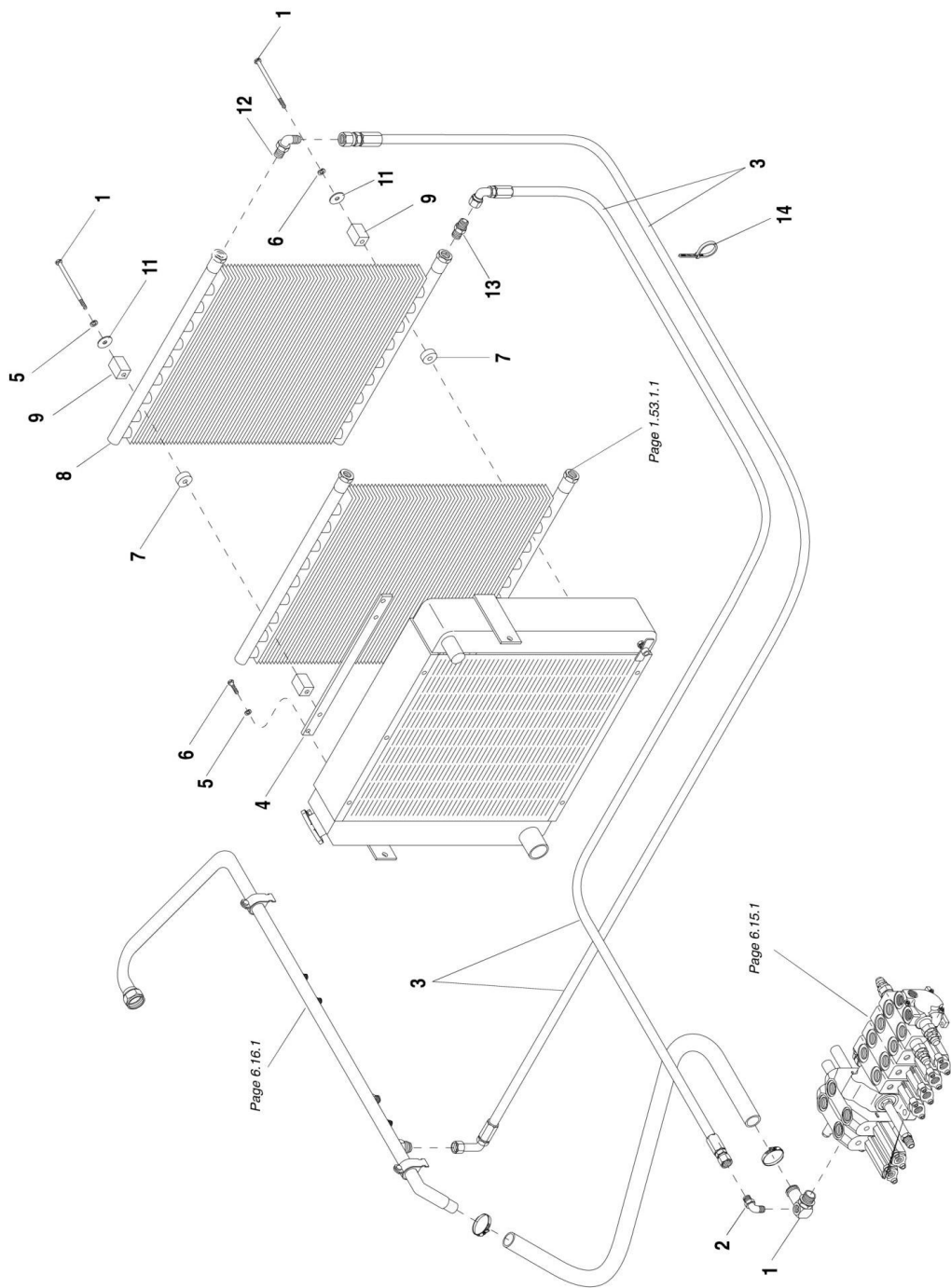
SECTION 10 - DECALS AND OPTIONAL EQUIPMENT

FIGURE 10-4. (OPTIONAL) HYDRAULIC OIL COOLER ASSEMBLY (1044C-54,10K-54) (1044C-54 SN 101 through 154; 10K-54 SN 101 through 103)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P19804	1	Tee, Swivel Run	
2	P17804	1	Adapter, Pipe to JIC	
3	65053B	1	Adapter, Modified	
4	37602X	1	Hose, Oil Cooler	
5	P29269	1	Hose, Oil Cooler	
6	36429A	2	Mounting Strap	
7	P01309	8	Lockwasher, 5/16in	
8	P00201	4	Capscrew, Hx, 5/16in-18 x 3/4in	
9	33344A	4	Spacer	
10	N.L.A.	1	Oil Cooler, w/ Pipe Thread Ports (For Replacement, Order Oil Cooler Kit 65021B)	
	Note	1	Kit Includes: 38981B Oil Cooler w/O-Ring Ports (Replaces 14251B) P17802, 90, Elbow O-Ring (Replaces Item 14). P19147, Adapter, O-Ring (Replaces Item 15). (See (OPTIONAL) HYDRAULIC OIL COOLER ASSEMBLY for Breakdown)	
11	P26312	4	Mounting Block, Rubber	
12	P00119	4	Capscrew, Hx, 5/16in-18 x 5 1/2in	
13	P01453	4	Fender Washer	
14	P17808	1	90, Elbow, JIC-Pipe	
15	P19147	1	45, Elbow, O-Ring	
16	P20496	3	Cable Tie	

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FIGURE 10-5. (OPTIONAL) HYDRAULIC OIL COOLER ASSEMBLY (1044C-54,10K-54) (1044C-54 SN 155 to Present; 10K-54 SN 104 to Present)



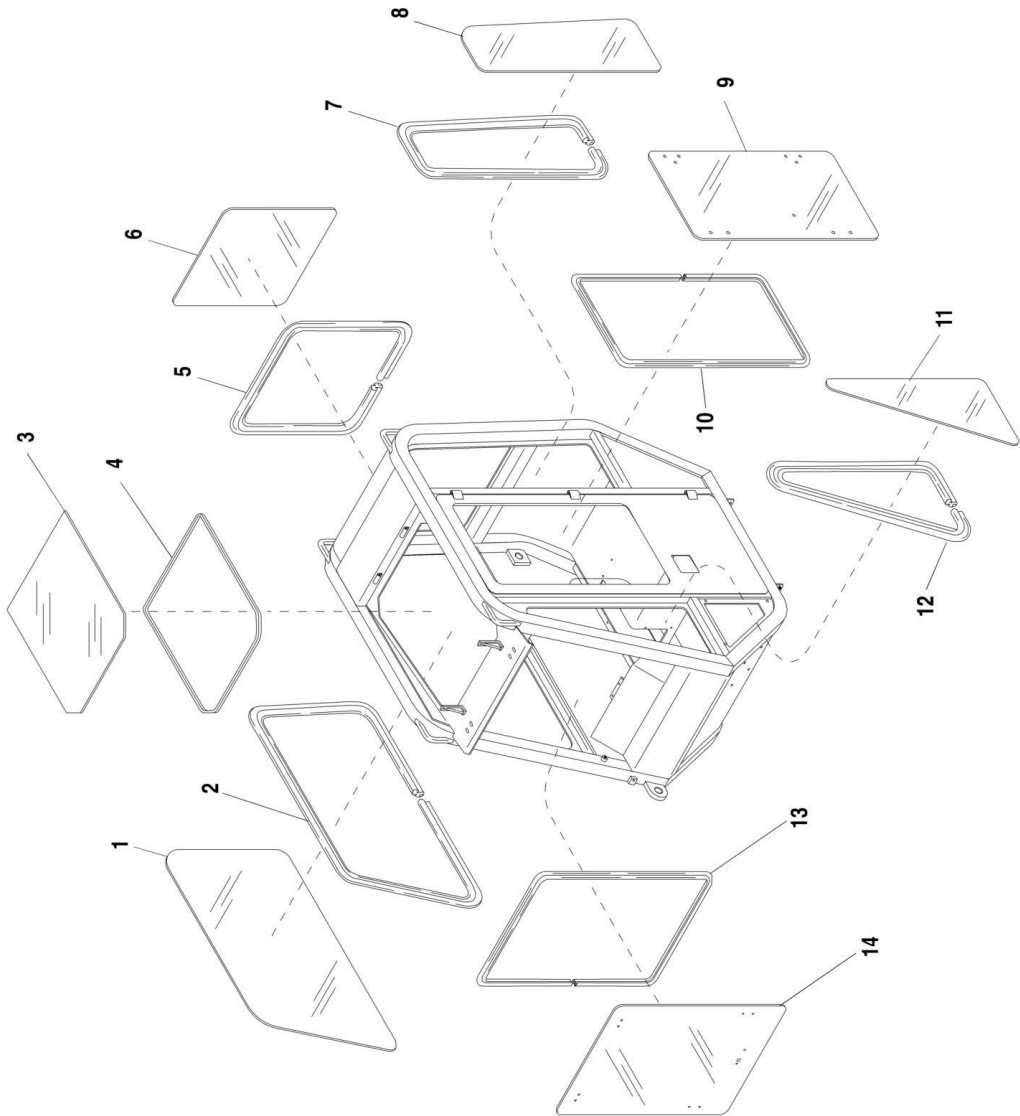
SECTION 10 - DECALS AND OPTIONAL EQUIPMENT

FIGURE 10-5. (OPTIONAL) HYDRAULIC OIL COOLER ASSEMBLY (1044C-54,10K-54) (1044C-54 SN 155 to Present; 10K-54 SN 104 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P17808	1	Adapter, Modified	
2	65275B	1	90, Elbow, Pipe to JIC	
3	37649X	2	Hose, Oil Cooler	
4	36429A	2	Mounting Strap	
5	P01309	8	Lockwasher, 5/16in	
6	P00201	4	Capscrew, Hx, 5/16in-18 x 3/4in	
7	33344A	4	Spacer	
8	65021B	1	Oil Cooler, Hydraulic	
9	P26312	4	Mounting Block, Rubber	
10	P00119	4	Capscrew, Hx, 5/16in-18 x 5 1/2in	
11	P01453	4	Fender Washer	
12	P19147	1	45, Elbow, O-Ring	
13	P17805	1	Adapter, O-Ring	
14	P20496	3	Cable Tie	

SECTION 10 - DECALS AND OPTIONAL EQUIPMENT

FIGURE 10-6. WINDOW ASSEMBLY, ENCLOSED CAB



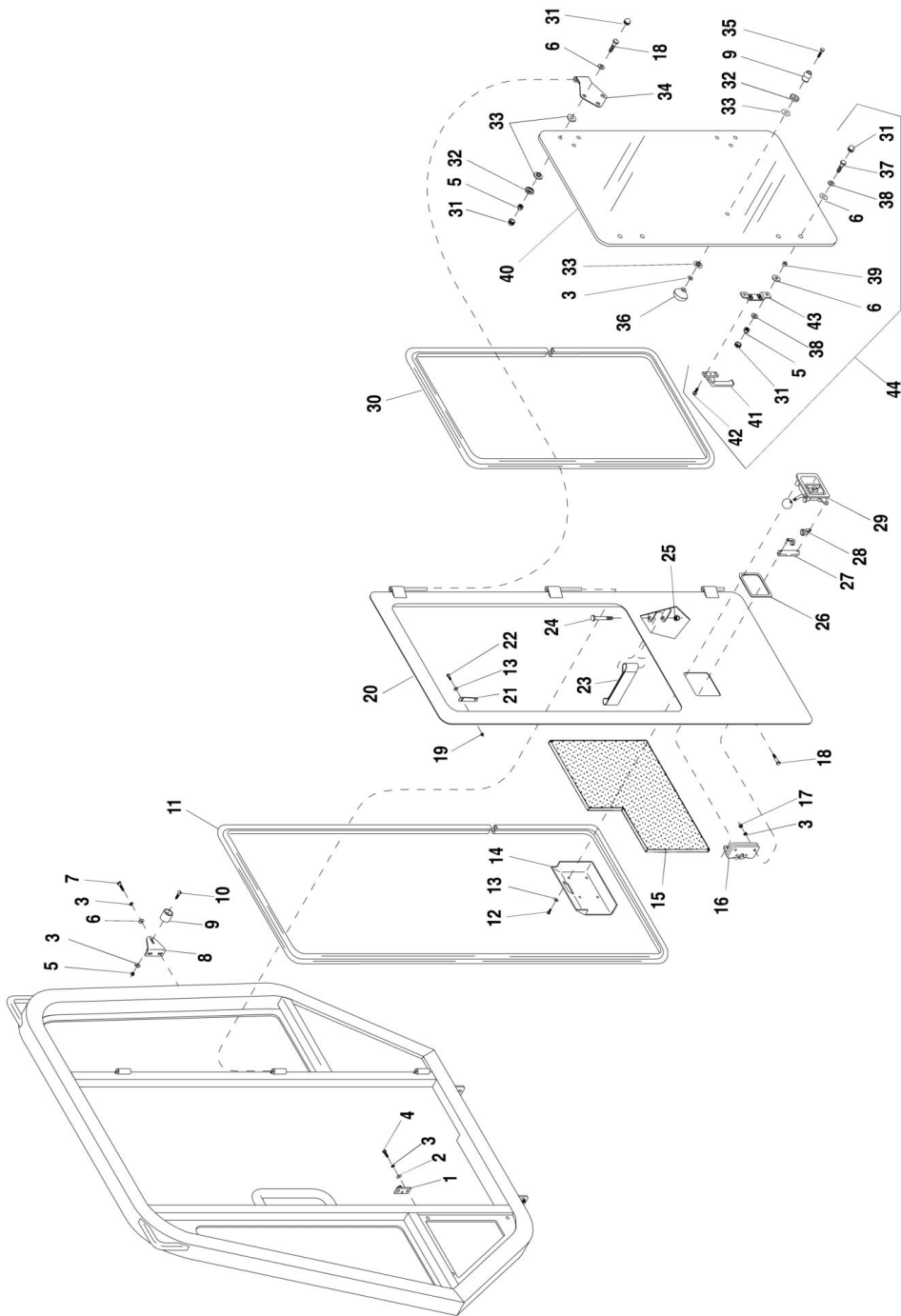
SECTION 10 - DECALS AND OPTIONAL EQUIPMENT

FIGURE 10-6. WINDOW ASSEMBLY, ENCLOSED CAB

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	36314C	1	Glass, Right Side	
2	N12354	1	Seal, Right Side	
3	36318B	1	Glass, Skylight	
4	67150X	1	Seal, Roof, Self Stick	
5	N12362	1	Seal, Rear	
6	39478B	1	Glass, Rear, Fixed	
7	N12361	1	Seal, Left Side, Rear	
8	36500B	1	Glass, Left Side, Rear	
9	38872B	1	Glass, Door, Hinged	
9	39176X	-	Glass, Door, Non Hinged	
10	N12364	1	Seal, Door Glass, Hinged	
10	39177X	-	Seal, Door Glass, Non Hinged	
11	36499B	1	Glass, Left Side, Front	
12	N12360	1	Seal, Left Side, Front	
13	N12356	1	Seal, Windshield	
14	36317C	1	Glass, Windshield, Hinged	

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FIGURE 10-7. DOOR ASSEMBLY, ENCLOSED CAB



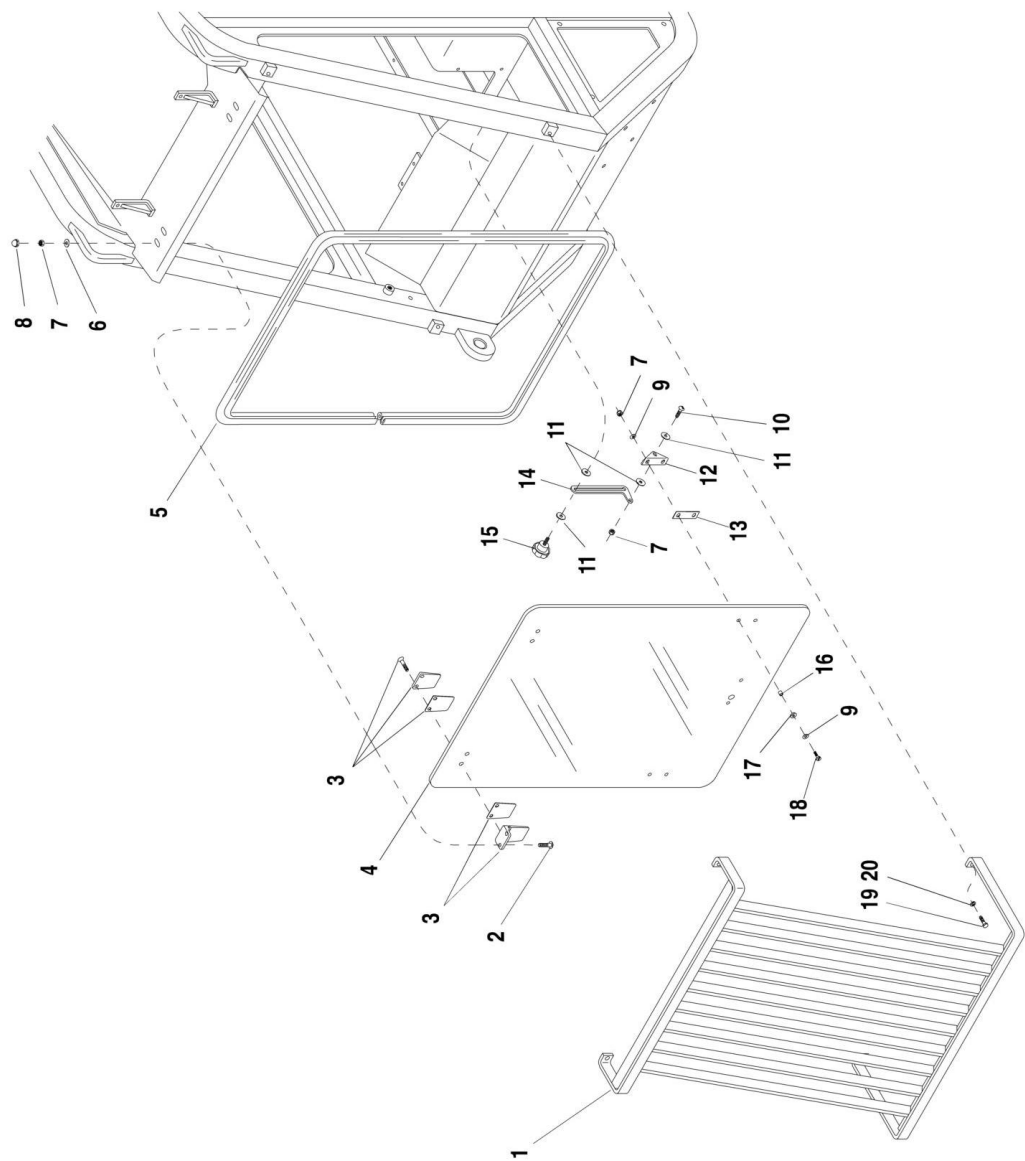
SECTION 10 - DECALS AND OPTIONAL EQUIPMENT

FIGURE 10-7. DOOR ASSEMBLY, ENCLOSED CAB

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	37413X	1	Striker Mount	
2	P01402	2	Flatwasher, 1/4in	
3	P01308	2	Lockwasher, 1/4in	
4	P00005	2	Capscrew, Hx, 1/4in- 20 x 1in	
5	37394X	11	Locknut, Hx, 1/4in x 20	
6	37398X	14	Flatwasher, 1/4in	
7	P00003	1	Capscrew, Hx, 1/4in- 20 x 3/4in	
8	39799A	1	Bracket, Door Holder	
9	37407X	1	Door Holder, Plunger and Socket	
10	37391X	1	Screw Slotted Rd, Hd, 1/4in-20 x 3/4in	
11	N12365	1	Seal, Door	
12	P02057	4	Screw Slotted Rd, Hd, #10-24 x 3/4in	
13	P01400	4	Flatwasher, #10	
14	37414X	1	Cover, Latch	
15	38870B	1	Ins, door	
16	37412X	1	Latch, Rotary	
17	P01656	2	Locknut, Hx, 1/4in-20	
18	P00007	2	Capscrew, Hx, 1/4in- 20 x 1 1/2in	
19	P01654	4	Locknut, Hx, #10-24	
20	38913C	1	Door	
21	37415X	2	Bracket, Latch, Window	
22	P02059	4	Screw Slotted Rd, Hd, #10-24 x 1in	
23	37416X	1	Strap	
24	P00110	1	Capscrew, Hx, 5/16in -18 x 2 1/2in	
25	P16057	1	Locknut, Hx, 5/16in x 18	
26	37411X	1	Seal, Latch	
27	P91534	1	Link, Connecting	
28	P91533	2	Pin, Spring	
29	P91531	1	Handle, Paddle Assembly	
30	N12364	1	Seal, Door Glass	
31	37406X	10	Cap, Acorn	
32	37410X	12	Glass Mount	
33	37409X	12	Washer, Shoulder, Glass Mount	
34	39790B	2	Hinge	
35	P04060	1	Capscrew, Hx, M6.1 x 50mm GR 8.8	
36	37408X	1	Knob	
37	P00006	4	Capscrew, Hx, 1/4in- 20 x 1 1/4in	
38	37392X	2	Washer, Fiber	
39	39222A	4	Spacer, Window	
40	38872B	1	Glass, Door, Hinged	
41	37405X	2	Latch	
42	37391X	2	Screw, Slotted Rd Hd, 1/4in-20 x 3/4in	
43	67596X	2	Mount, Handle	
44	37403X	2	Kit, Handle Mounting (Glass Not Included)	

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FIGURE 10-8. WINDSHIELD ASSEMBLY, ENCLOSED CAB



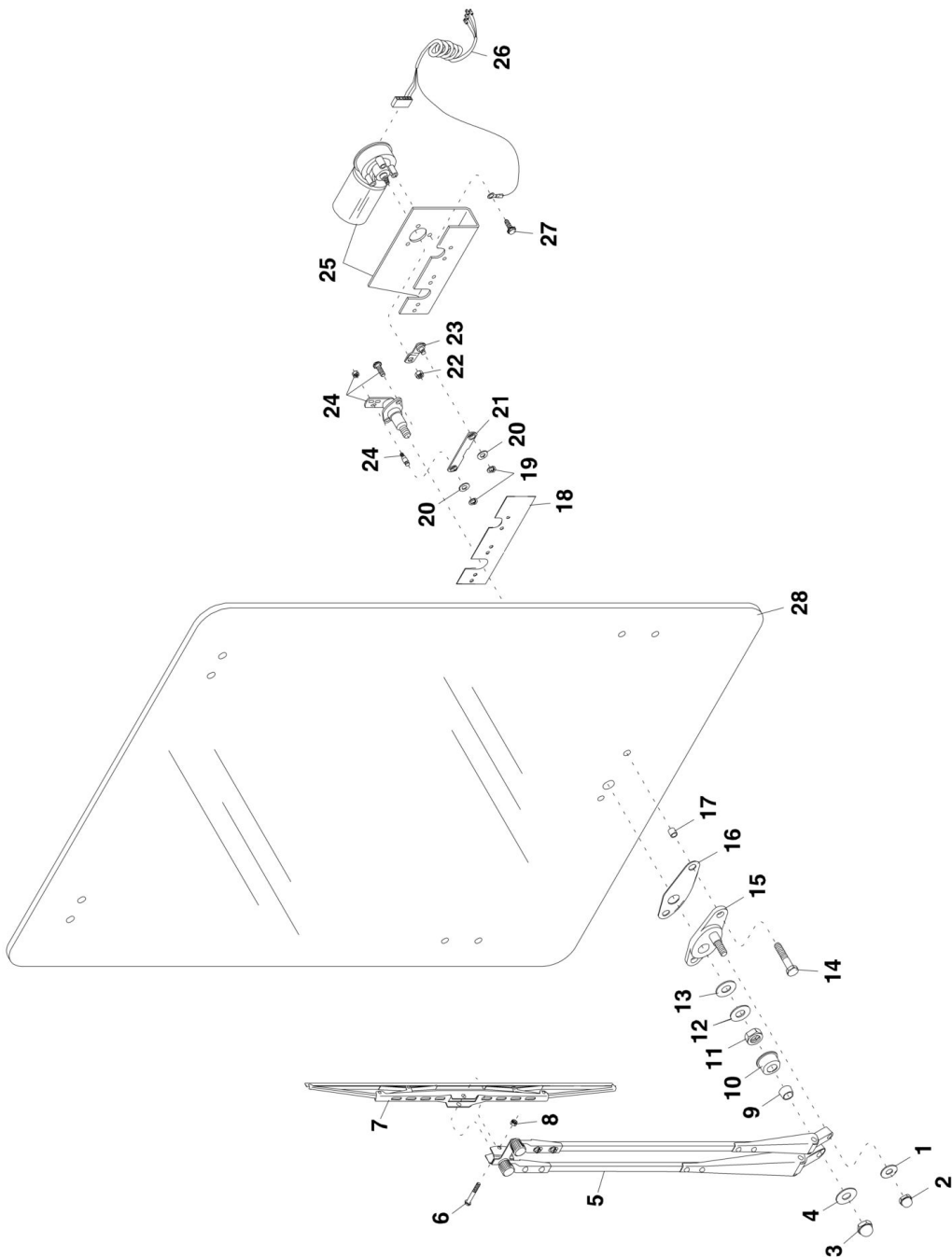
SECTION 10 - DECALS AND OPTIONAL EQUIPMENT

FIGURE 10-8. WINDSHIELD ASSEMBLY, ENCLOSED CAB

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	36520D	1	Guard Assembly, Front Windshield	
2	37397X	4	Screw, Slotted Rd Hd, 1/4in-20 x 1in	
3	37389X	2	Hinge, Flat	
4	36317C	1	Glass, Windshield, Hinged	
5	N12356	1	Seal, Windshield	
6	37398X	4	Flatwasher, 1/4	
7	37394X	4	Locknut, Hx, 1/4in-20	
8	36480A	4	Cap, Acorn	
9	37395X	5	Flatwasher 3/16in	
10	37391X	2	Screw, Slotted Rd Hd, 1/4in-20 x 3/4in	
11	37392X	2	Flatwasher, Fiber	
12	38848B	2	Bracket, Window Stay	
13	39225A	2	Gasket, Rubber	
14	38849B	2	Window Stay	
15	37396X	2	Knob	
16	39222A	4	Sleeve, Window	
17	39224A	4	Washer, Rubber	
18	37393X	4	Screw, Slotted Rd Hd, 1/4in-20 x 1in	
19	P01310	4	Lockwasher, 3/8	
20	P00204	4	Capscrew, Hx, 3/8in-16 x 1in	

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FIGURE 10-9. WINDSHIELD WIPER ASSEMBLY, ENCLOSED CAB



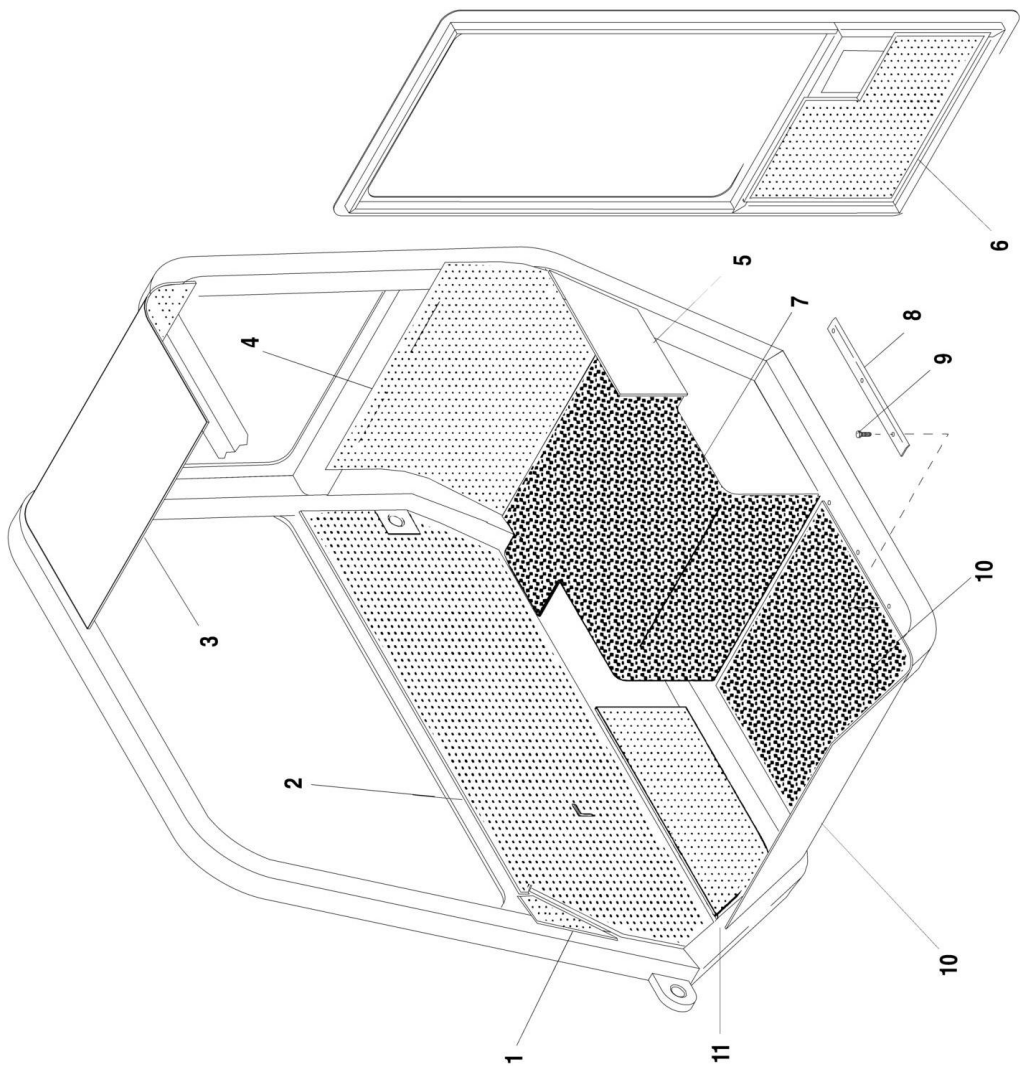
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FIGURE 10-9. WINDSHIELD WIPER ASSEMBLY, ENCLOSED CAB

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P01400	1	Flatwasher	
2	P91581	1	Nut, Acorn #10-24	
3	P91583	1	Nut, Acorn	
4	P91584	1	Flatwasher	
5	37390X	1	Wiper Arm, Dual	
6	P91577	1	Screw, Slotted, #4-40 x 7/8in	
7	P32558	1	Blade, Wiper	
8	P01650		Locknut, Hx, 4-40	
9	P91585	1	Driver	
10	P91586	1	Cap, Rubber	
11	P91587	1	Nut, Hx	
12	P91588	1	Washer, Steel	
13	P91589	1	Washer, Plastic	
14	37399X	2	Capscrew, Hx, 1/4in-28 x 3/4in	
15	P32556	1	Adapter, Pantographic	
16	P91579	1	Gasket	
17	39222A	2	Sleeve, Plastic	
18	39223A	1	Gasket, Wiper Motor	
19	P91601	2	Spring Clip	
20	P91600	2	Flatwasher	
21	P91599	1	Link	
22	P01531	1	Nut, Hx, 3/8in-24	
23	P32555	1	Driver Arm	
24	P32554	1	Shaft, Pivot	
25	P32551	1	Wiper Motor (Includes Bracket)	
26	38366B	1	Cable, Wiper Motor	
27	P91598	3	Screw	
28		Ref	Windshield, (See WINDSHIELD ASSEMBLY, ENCLOSED CAB for details)	

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FIGURE 10-10. INSULATION ASSEMBLY, ENCLOSED CAB



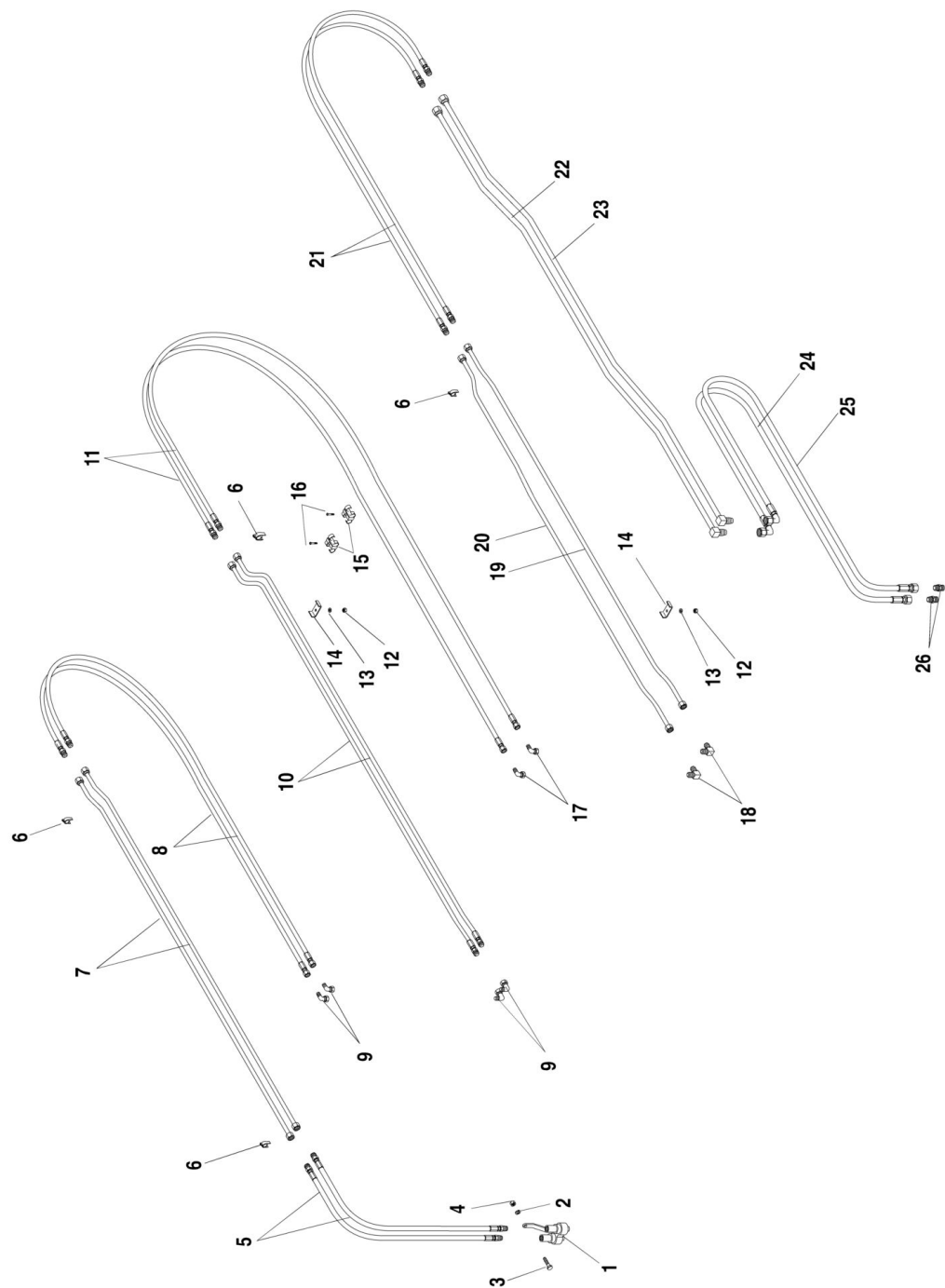
SECTION 10 - DECALS AND OPTIONAL EQUIPMENT

FIGURE 10-10. INSULATION ASSEMBLY, ENCLOSED CAB

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	38766B	1	Insulation, Right Front	
2	38767B	1	Insulation, Right Side	
3	38764B	1	Insulation, Roof	
4	38771B	1	Insulation, Rear	
5	38765B	1	Insulation, Lower Left Rear	
6	38870B	1	Insulation, Lower Door	
7	38772B	1	Insulation, Seat Deck	
8	36477B	1	Threshold, Floor Mat	
9	P00005	3	Capscrew, Hx, 1/4in-20x1in	
10	36323C	1	Mat, Floor	
11	38768B	1	Insulation, Lower Right Front	

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FIGURE 10-11. SECOND AUXILIARY HYDRAULIC CIRCUIT (4-SECTION) (1044C-54) (1044C-54 SN 107 through 144, Including 148)



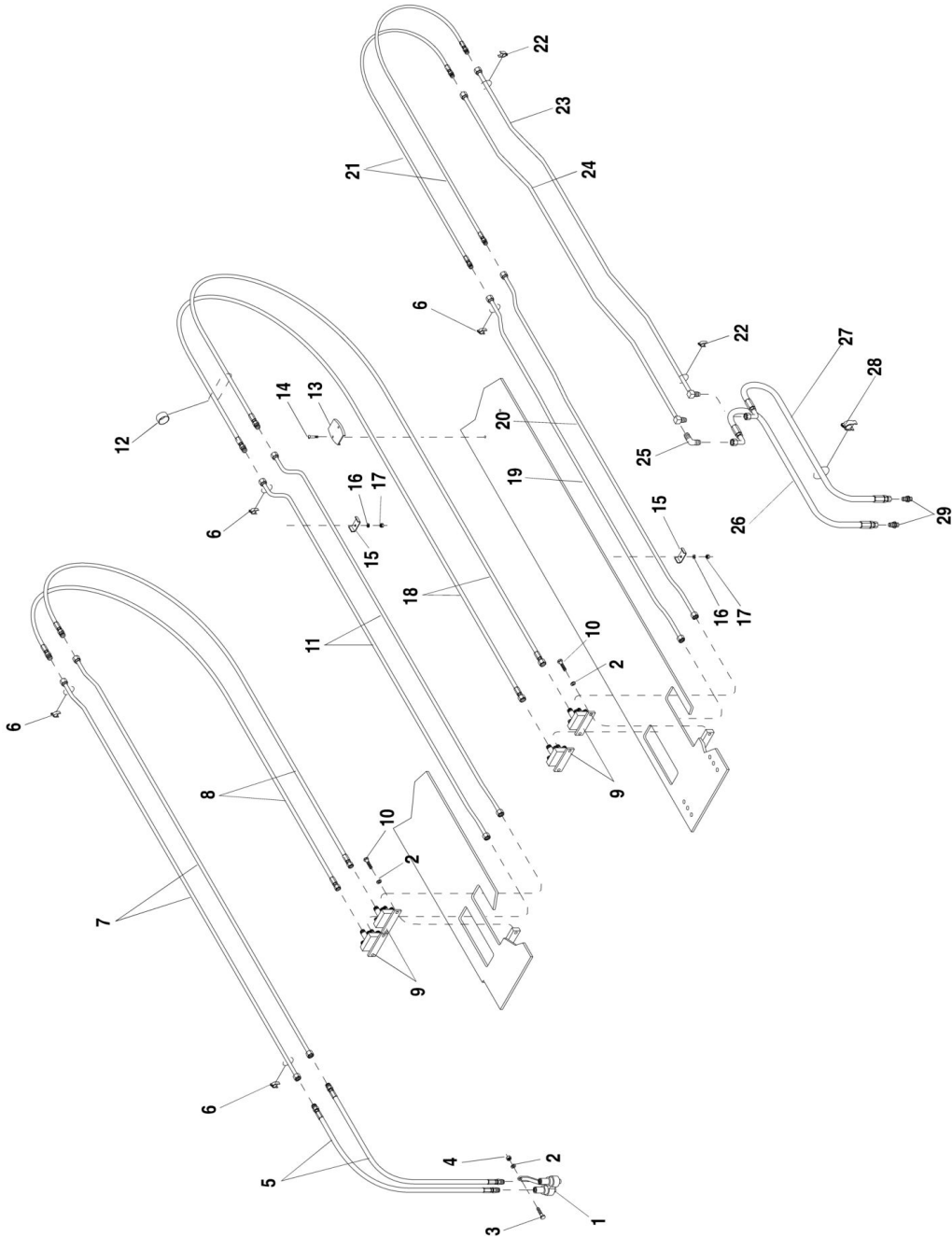
SECTION 10 - DECALS AND OPTIONAL EQUIPMENT

FIGURE 10-11. SECOND AUXILIARY HYDRAULIC CIRCUIT (4-SECTION) (1044C-54) (1044C-54 SN 107 through 144, Including 148)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	P29348	1	Quick Coupler (Incl. dust caps and male connectors)	
2	P01312	1	Lockwasher, 1/2in	
3	P00404	1	Capscrew, Hx, 1/2in-13 x 1 1/2in	
4	P01510	1	Nut, Hx, 1/2in-13	
5	37290X	2	Hyd Hose, 1/2in x 39in	
6	91083217	4	Clamp, Cushion, 5/8in	
7	38747B	2	Hyd Tube, 5/8in OD	
8	37635X	2	Hyd Hose, 1/2in x 181in	
9	P28140	2	90, Elbow, Swivel	
10	38756B	1	Hyd Tube, 5/8in OD	
11	37636X	1	Hyd Hose, 1/2in x 170in	
12	P01507	10	Nut, Hx, 5/16in-18	
13	P01309	10	Lockwasher, 5/16in	
14	38930A	10	Tube Clamp	
15	P40074	2	Tee-Clip 5/8in - 3/4in	
16	P03038	2	Screw, Flathead, #10-24 x 1in	
17	P21579	2	90, Elbow, Swivel	
18	P17907	2	90, Elbow	
19	38754B	1	Hyd Tube, 5/8in OD	
20	38755B	1	Hyd Tube, 5/8in OD	
21	66171X	2	Hyd Hose, 1/2in x 31in	
22	39738B	1	Hyd Tube, 1/2in OD	
23	39739B	1	Hyd Tube, 1/2in OD	
24	P21981	1	Hyd Hose, 1/2in x 77in	
25	P27404	1	Hyd Hose, 1/2in x 80in	
26	P27384	2	Connector, O-Ring	

SECTION 10 - DECALS AND OPTIONAL EQUIPMENT

FIGURE 10-12. SECOND AUXILIARY HYDRAULIC CIRCUIT (4-SECTION) (1044C-54) (1044C-54 SN 145 through 287, Excluding 148, 211, 213, 241 and 250)



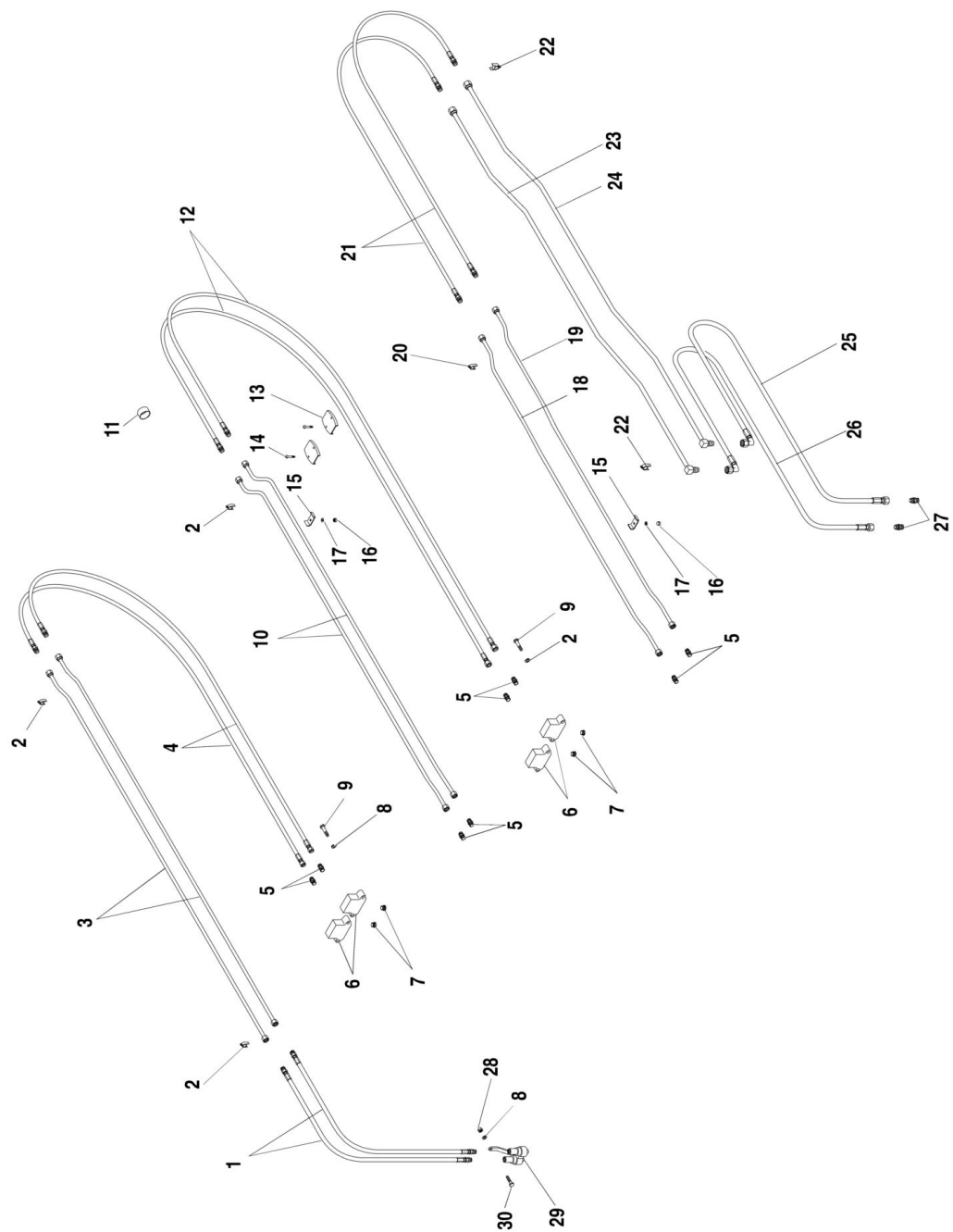
SECTION 10 - DECALS AND OPTIONAL EQUIPMENT

FIGURE 10-12. SECOND AUXILIARY HYDRAULIC CIRCUIT (4-SECTION) (1044C-54) (1044C-54 SN 145 through 287, Excluding 148, 211, 213, 241 and 250)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	66347B	1	Quick Coupler (Incl. dust caps AND male connectors) (Note: For S/N 101 through 274 Use P29348)	
2	P01312	9	Lockwasher, 1/2in	
3	P00404	1	Capscrew, Hx, 1/2in-13 x 1 1/2in	
4	P01510	1	Nut, Hx, 1/2in-13	
5	37860X	2	Hyd Hose, 1/2in x 39in (Note: For S/N 101 through 274 Use 37290X)	
6	91083217	8	Clamp, Cushion, 5/8in	
7	38747B	2	Hyd Tube, 5/8in OD	
8	37643X	2	Hyd Hose, 1/2in x 184in	
9	39858B	4	Hyd Manifold	
10	P00402	8	Capscrew, Hx, 1/2in-13 x 1in	
11	65416B	2	Hyd Tube, 5/8in OD	
12	37727X	1	Clamp, Power Grip	
13	39865B	1	Half Clamp, Plastic	
14	P02136	2	Screw, Slotted Rd Hd, 1/4in-20 x 7/8in	
15	38930A	2	Tube Clamp	
16	P01309	10	Lockwasher, 5/16in	
17	P01507	10	Nut, Hx, 5/16in-18	
18	37644X	2	Hyd Hose, 1/2in x 174in	
19	65413B	1	Hyd Tube, 1/2in OD	
20	65412B	1	Hyd Tube, 1/2in OD	
21	66717X	2	Hyd Hose, 1/2in x 31in	
22	P20467	4	Clamp, Cushion, 1/2in	
23	39739B	1	Hyd Tube, 1/2in OD	
24	39738B	1	Hyd Tube, 1/2in OD	
25	P19031	2	90, Elbow, Union (Note: Used Early Production Only)	
26	P21981	1	Hyd Hose, 1/2in x 77in	
27	P27404	1	Hyd Hose, 1/2in x 80in	
28	37000X	2	Clamp, Cushion 3/4in	
29	P27384	2	Connector, O-Ring	

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FIGURE 10-13. SECOND AUXILIARY HYDRAULIC CIRCUIT (4-SECTION) (1044C-54) (1044C-54 SN 288 through 931, Including 211, 213, 241 and 250, Excluding 922 and 930)



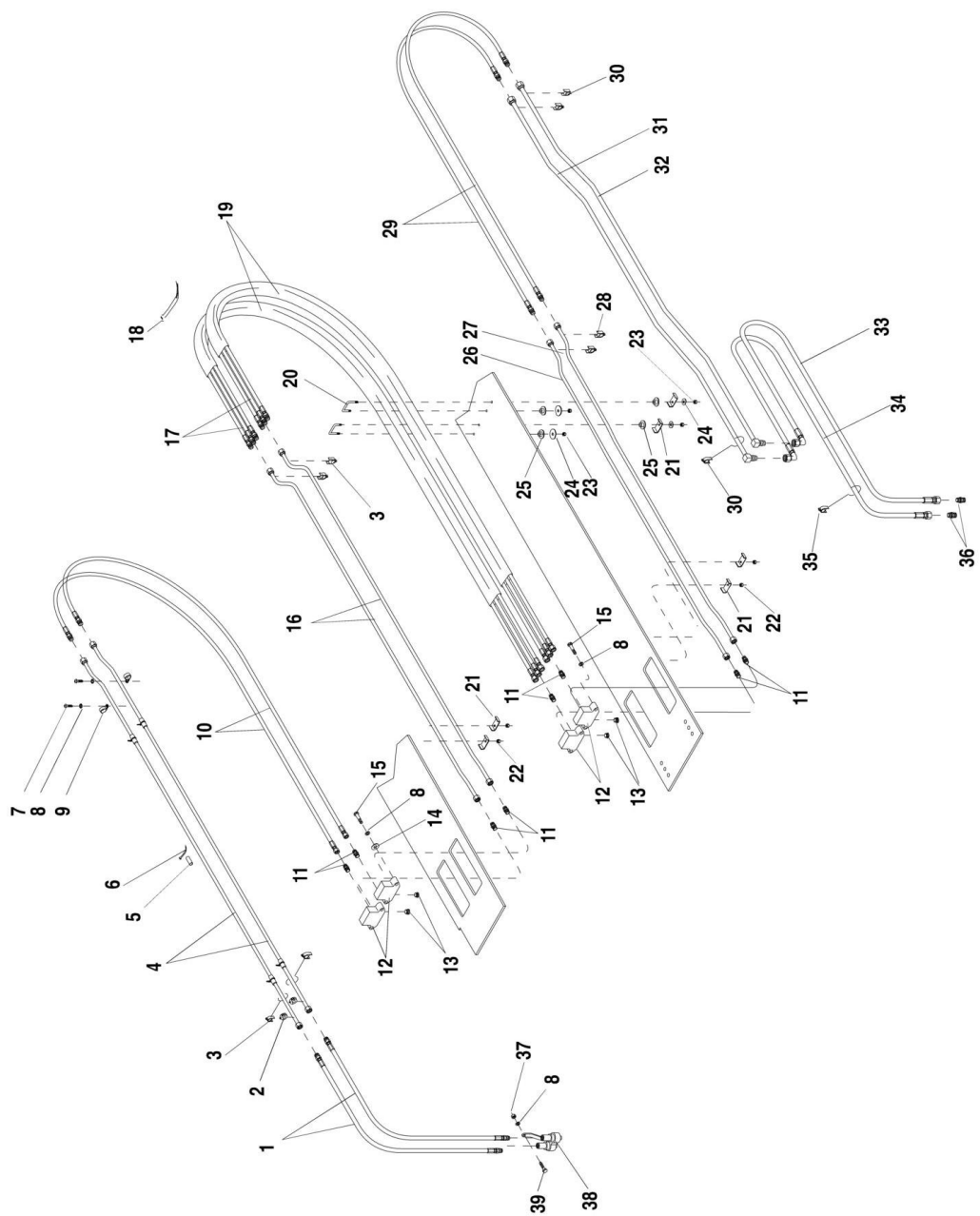
SECTION 10 - DECALS AND OPTIONAL EQUIPMENT

FIGURE 10-13. SECOND AUXILIARY HYDRAULIC CIRCUIT (4-SECTION) (1044C-54) (1044C-54 SN 288 through 931, Including 211, 213, 241 and 250, Excluding 922 and 930)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	10868104	2	Hyd Hose, 1/2in x 37in	
2	91083217	8	Clamp, Cushion	
3	38747B	2	Hyd Tube, 5/8in OD	
4	10868105	2	Hyd Hose, 1/2in x 186in	
5	P18964	8	Connector, O-Ring	
6	65945A	2	Hyd Manifold (Six Port)	
7	P27937	4	Plug, O-Ring	
8	P01312	9	Lockwasher, 1/2in	
9	P00407	8	Capscrew, Hx, 1/2in-13 x 2 1/4in	
10	38757B	2	Hyd Tube, 5/8in OD	
11	37727X	1	Clamp, Power Grip	
12	1100990	2	Hyd Hose, 1/2in x 176in	
13	39865B	2	Half Clamp, Plastic	
14	P02136	4	Screw, Slotted Rd Hd, 1/4in-20 x 7/8in	
15	38930A	2	Tube Clamp	
16	P01309	2	Lockwasher, 5/16in	
17	P01507	5	Nut, Hx, 5/16in-18	
18	65086B	1	Hyd Tube, 5/8in OD	
19	65087B	1	Hyd Tube, 5/8in OD	
20	P20467	4	Clamp, Cushion	
21	66717X	2	Hyd Hose, 1/2in x 31in	
22	90207463	4	Clamp, Cushion	
23	39738B	1	Hyd Tube, 1/2in OD	
24	39739B	1	Hyd Tube, 1/2in OD	
25	P27404	1	Hyd Hose, 1/2in x 80in	
26	P21981	1	Hyd Hose, 1/2in x 77in	
27	P27384	2	Connector, O-Ring	
28	P01510	1	Nut, Hx, 1/2in-13	
29	66347B	1	Quick Coupler (Incl. dust caps and male connectors)	
30	P00404	1	Capscrew, Hx, 1/2in-13 x 1 1/2in	

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FIGURE 10-14. SECOND AUXILIARY HYDRAULIC CIRCUIT (4-SECTION) (1044C-54) (1044C-54 SN 932 to Present, Including 922 and 930)



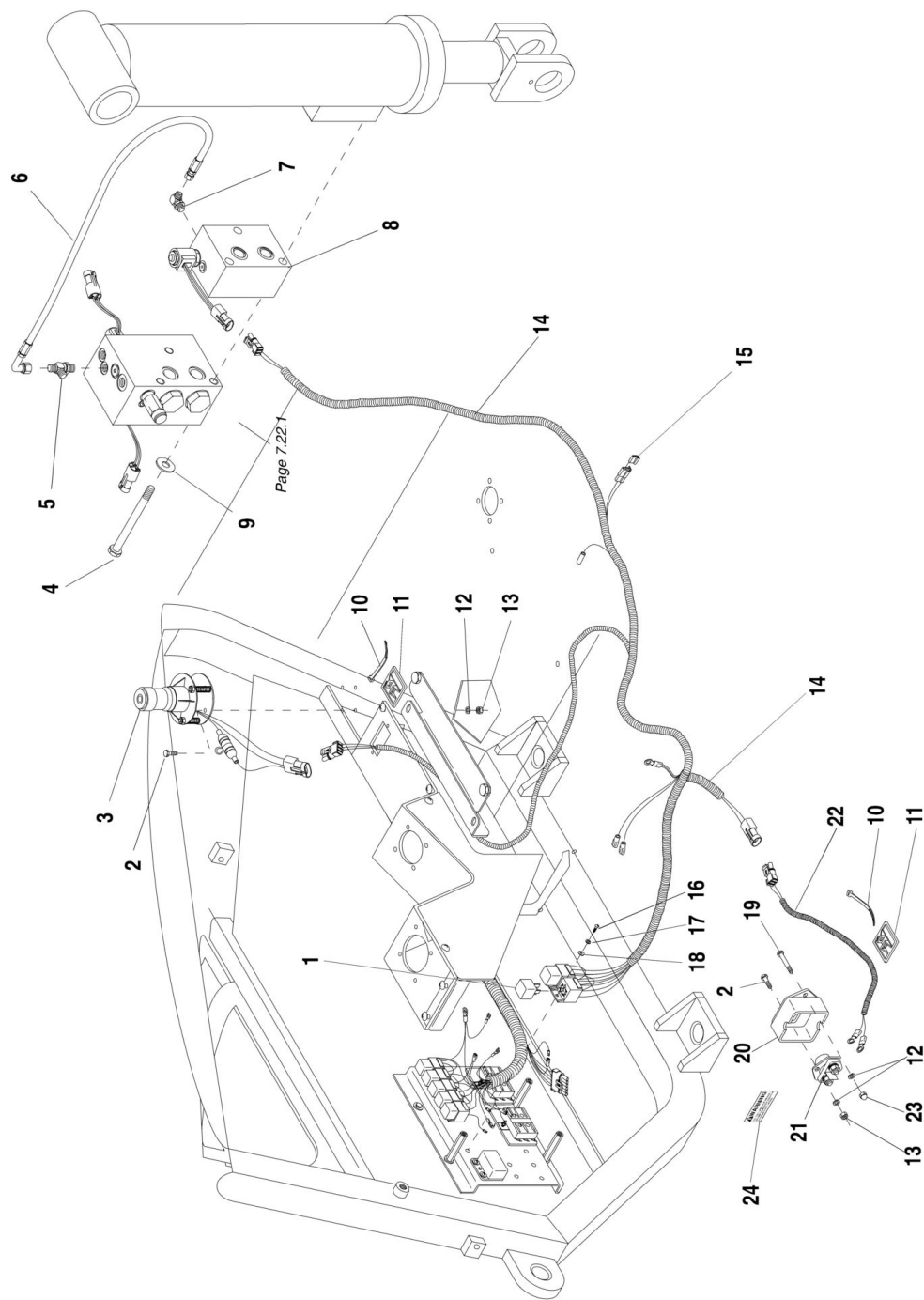
SECTION 10 - DECALS AND OPTIONAL EQUIPMENT

FIGURE 10-14. SECOND AUXILIARY HYDRAULIC CIRCUIT (4-SECTION) (1044C-54) (1044C-54 SN 932 to Present, Including 922 and 930)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	10868104	2	Hyd Hose, 1/2in x 37in	
2	1101513	2	Shaft Collar, Split	
3	91083217	4	Clamp, Cushion, 5/8in	
4	10238747	2	Hyd Tube, 5/8in OD	
5	1100379	6	Hose, Heater, 3in	
6	10717989	6	Cable Tie, 6in	
7	10703237	2	Capscrew, Button Hd Socket, 1/2in-20 x 1in	
8	10701312	11	Washer, Lock, 1/2in	
9	8406105	2	Clamp, 5/8in	
10	10868105	2	Hyd Hose, 1/2in x 186in	
11	10718964	8	Connector, O-Ring	
12	10165945	2	Hyd Manifold (Six Port)	
13	10727937	4	Plug, O-Ring	
14	10701437	4	Washer, Flat, 1/2in	
15	10700407	8	Capscrew, Hx, 1/2in-13 x 2 1/4in	
16	10238757	2	Hyd Tube, 5/8in OD	
17	1100990	2	Hyd Hose, 1/2in x 176in	
18	10720469	AR	Cable Tie, 12in	
19	1101510	2	Sleeve, Nylon (3 Hose)	
20	10167485	2	Rod, Hose Hold Down	
21	10138930	6	Tube Clamp	
22	10705002	4	Nut, Top Lock, 3/8in-16	
23	10705000	4	Locknut, Hx, 1/4in-20	
24	10701454	4	Washer, Fender, 1/4in x 1-1/2in	
25	1101518	4	Spacer, Hose Clamp	
26	10265086	1	Hyd Tube, 5/8in OD	
27	10265087	1	Hyd Tube, 5/8in OD	
28	10720467	2	Clamp, Cushion, 1/2in	
29	10866717	2	Hyd Hose, 1/2in x 31in	
30	90207463	2	Clamp, Cushion, 3/4in	
31	10239738	1	Hyd Tube, 1/2in OD	
32	10239739	1	Hyd Tube, 1/2in OD	
33	10727404	1	Hyd Hose, 1/2in x 80in	
34	10721981	1	Hyd Hose, 1/2in x 77in	
35	10728200	2	Clamp, Cushion, 1in	
36	10727384	2	Connector, O-Ring	
37	10701510	1	Nut, Hx, 1/2in-13	
38	1066347B	1	Quick Coupler (Incl. dust caps and male connectors)	
39	10700404	1	Capscrew, Hx, 1/2in-13 x 1 1/2in	

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FIGURE 10-15. (OPTIONAL) DRIVE LOCKOUT OVERRIDE



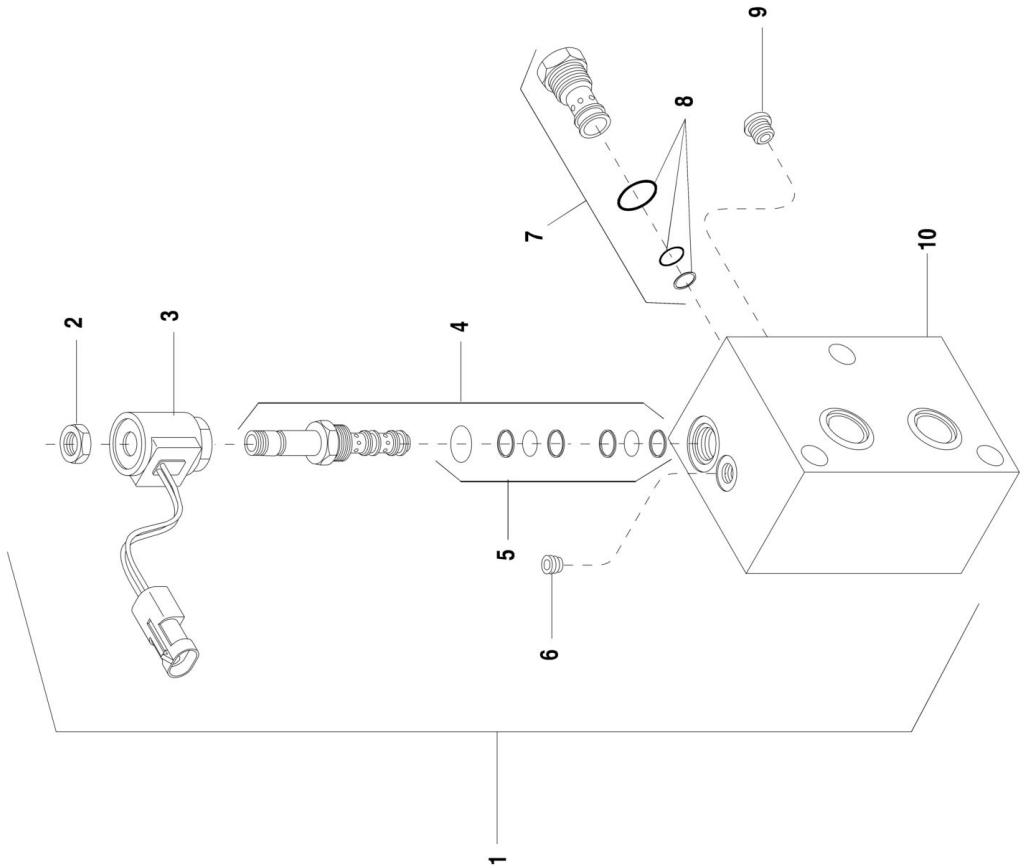
SECTION 10 - DECALS AND OPTIONAL EQUIPMENT

FIGURE 10-15. (OPTIONAL) DRIVE LOCKOUT OVERRIDE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
Ref	10167810	-	Kit, Drive Lock Override (Includes Items 1-22)	
1	37657X	2	Relay	
2	P00003	6	Capscrew, Hx, 1/4in-20 x 3/4in	
3	66592B	1	Switch Assembly, Level Sensor	
4	P00445	3	Capscrew, Hx, 1/2in-13 x 6in GRD8	
5	P21914	1	Tee, O-Ring	
6	37524X	1	Hyd Hose, 1/4in x 12in	
7	P19348	1	90, Elbow, O-Ring	
8	65101B	1	Valve, Transmission Disconnect Override	
9	P01254	3	Flatwasher, 1/2in	
10	P17989	2	Cable Tie	
11	P27600	2	Mount, Cable Tie	
12	P01308	8	Lockwasher, 1/4in	
13	P01506	6	Nut, Hx, 1/4in-20	
14	66963C	1	Wire Harens, Intermediate	
15	P21787	1	Diode Module	
16	P02054	2	Screw, Slotted Rd Hd, #10-24 x 1/2in	
17	P01306	2	Lockwasher, #10	
18	P01400	2	Flatwasher #10	
19	P00010	2	Capscrew, Hx, 1/4in-20 x 2 1/4in	
20	10266543	1	Weltment, Foot Switch	
21	10866446	1	Switch, Foot	
22	66906A	1	Wire Harness, Foot Switch	
23	66830X	2	Nut, Acorn 1/4in-20	
24	66959A	1	Decal, Drive Lockout Override	

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FIGURE 10-16. (OPTIONAL) TRANSMISSION DISCONNECT OVERRIDE VALVE



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FIGURE 10-16. (OPTIONAL) TRANSMISSION DISCONNECT OVERRIDE VALVE

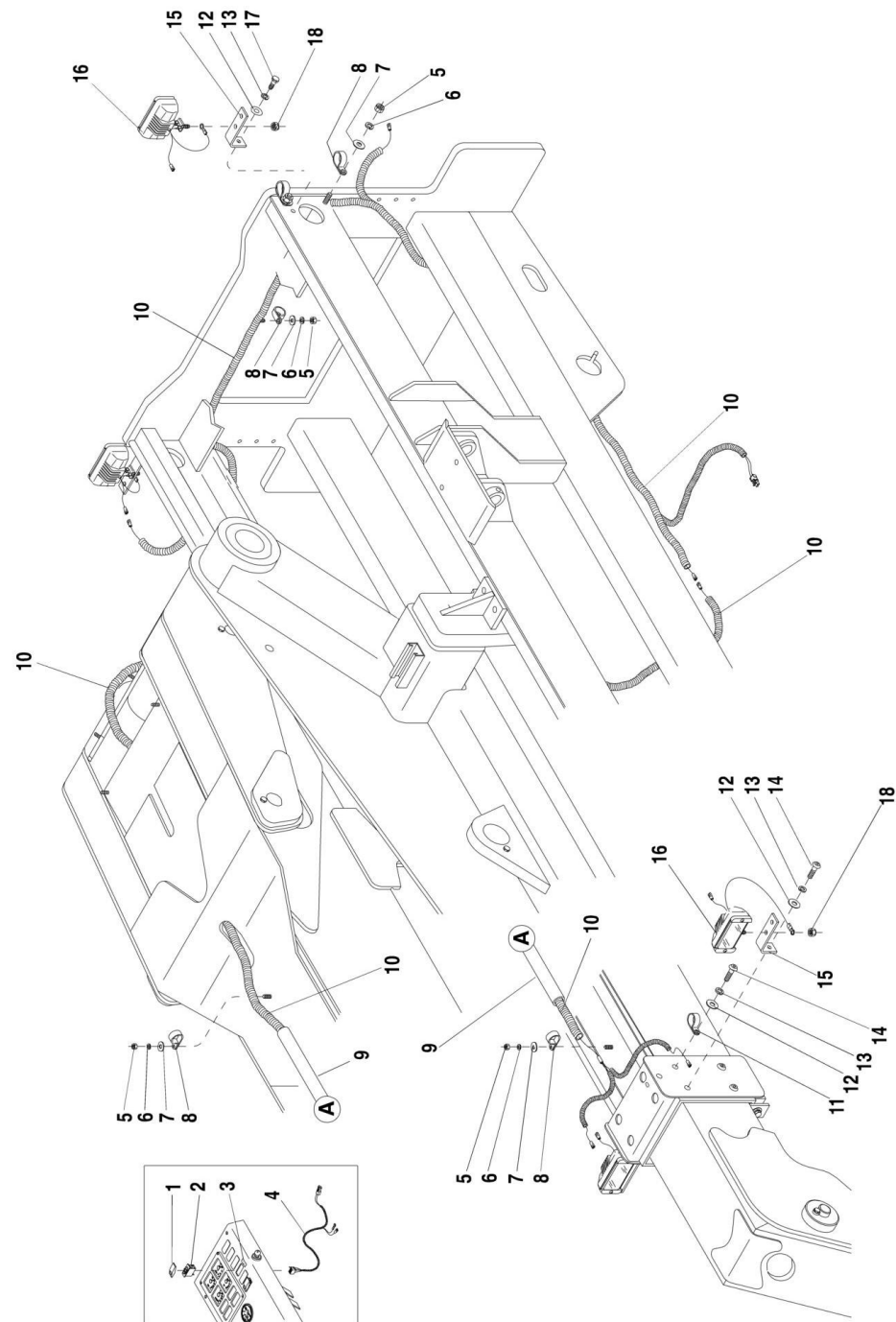
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	65101B	1	Valve, Transmission Disconnect Override	
2	P40662	1	Nut	
3	38329A	1	Coil	
4	67538X	1	Solenoid Valve	
5	1100037	1	Seal Kit for Item 5	
6	37361X	1	Orifice Plug 1/16in NPT, 0.030in	
7	67539X	2	Valve, Check	
8	1100036	1	Seal Kit for Item 7	
9	P27933	1	Plug, O-Ring #4	
10	N.S.S.	-	Body	

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FIGURE 10-17. (OPTIONAL) WORKLIGHT ASSEMBLY (644B-37 SN 101 through 591, SN 667 through 1289, SN 1293 through 1303; 644B-42 SN 101 through 341, SN 344 through 362; 844C-42 SN 101 through 1198, SN 1200 through 1254, SN 1256 through 1309, SN 1311 through 1329, SN 1331 through 1341, SN 1343 through 1352; 1044C-42 SN 101 through 126; 1044C-54 SN 101 through 286, SN 288 through 290, SN 292 through 304, SN 307 through 313; 6K-37 SN 101 through 494; 6K-42 SN 101 through 178; 8K-42 SN 101 through 327, SN 329 through 330, SN 332 through 333; 10K-42 SN

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101 through 108; 10K-54 SN 101 through 113)



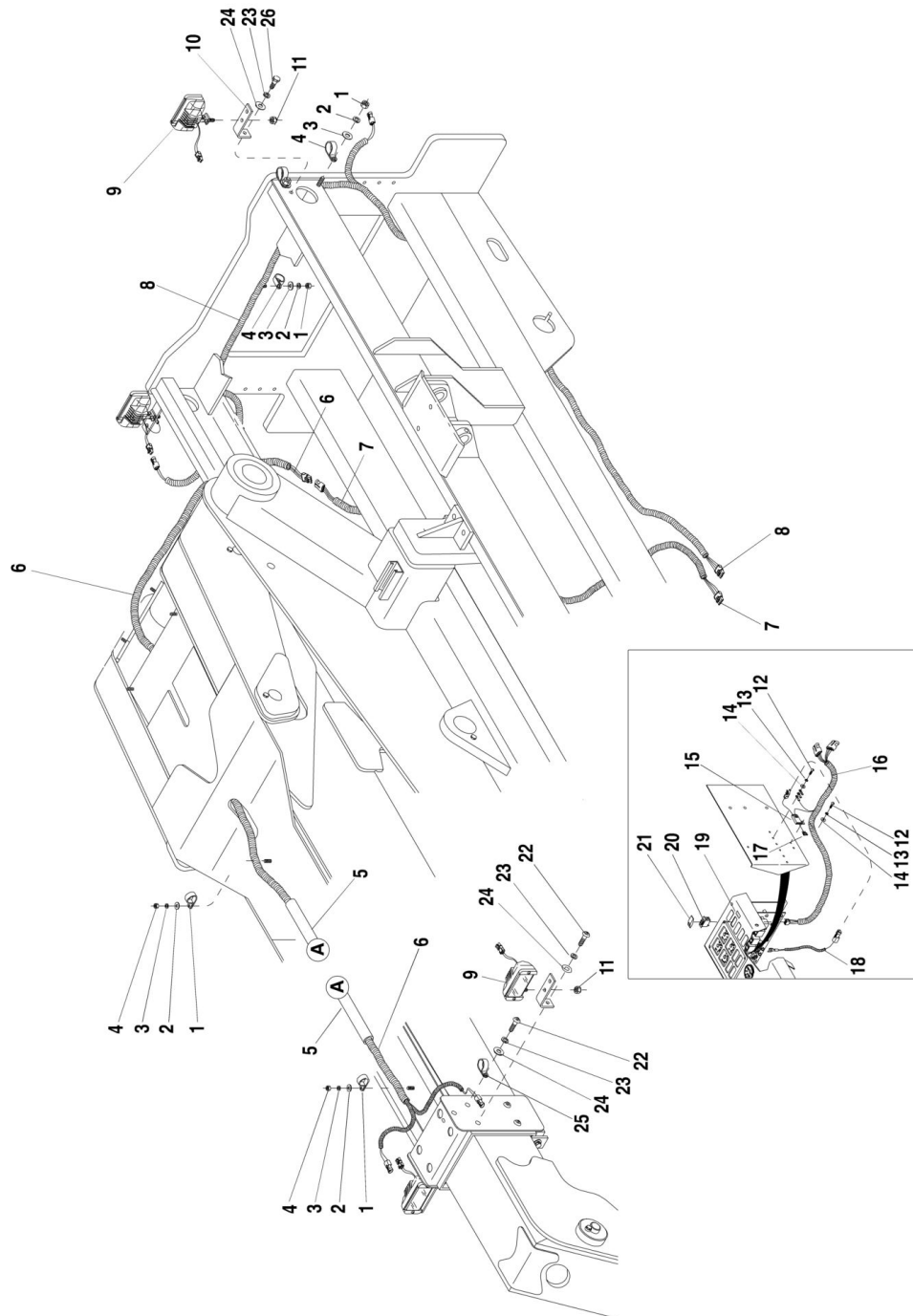
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FIGURE 10-17. (OPTIONAL) WORKLIGHT ASSEMBLY (644B-37 SN 101 through 591, SN 667 through 1289, SN 1293 through 1303; 644B-42 SN 101 through 341, SN 344 through 362; 844C-42 SN 101 through 1198, SN 1200 through 1254, SN 1256 through 1309, SN 1311 through 1329, SN 1331 through 1341, SN 1343 through 1352; 1044C-42 SN 101 through 126; 1044C-54 SN 101 through 286, SN 288 through 290, SN 292 through 304, SN 307 through 313; 6K-37 SN 101 through 494; 6K-42 SN 101 through 178; 8K-42 SN 101 through 327, SN 329 through 330, SN 332 through 333; 10K-42 SN 101 through 108; 10K-54 SN 101 through 113)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
Ref	55015E	-	Kit, Work Light (Boom only)	
Ref	10538392	-	Kit, Work Light (Boom and Rear)	
1	10836511	1	Actuator, Switch	
2	10837308	1	Switch, Off-On-On (Work Lights)	
3	10138409	1	Decal, Work Lights	
4	10238396	1	Wire Harness, Under Dash	
5	10701508	7	Nut, Hx, 3/8in-16	
6	10701310	7	Lockwasher, 3/8in	
7	10701404	7	Flatwasher, 3/8in	
8	10717554	7	Clamp, 3/8in	
9	10138431	1	Tube, Electric Wiring	
10	10238397	1	Wire Harness, Boom and Rear	
11	10837318	4	Clamp, 1/2in	
12	10701406	4	Flatwasher, 1/2in	
13	10701312	4	Lockwasher 1/2in	
14	10703242	4	Capscrew, Button Hd Socket, 1/2in-20 x 1 1/4in	
15	10236518	4	Mount, Light	
16	10134157	4	Light, Flood	
17	10701312	2	Capscrew, Hx, 1/2in-13 x 1in	
18	10701507	2	Nut, Hx, 5/16in-18	

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FIGURE 10-18. (OPTIONAL) WORKLIGHT ASSEMBLY (644B-37 SN 1290 through 1292, SN 1304 to Present; 644B-42 SN 342 through 343, SN 363 to Present; 844C-42 SN 1341 through 1342, Including 1199, 1255, 1310, 1330 and 1353; 1044C-42 SN 127 to Present; 1044C-54 SN 305 through 306, SN 314 to Present, Including 287 and 291; 6K-37 SN 495 to Present; 6K-42 SN 179 to Present; 8K-42 SN 334 to Present, Including 328 and 331; 10K-42 SN 109 to Present; 10K-54 SN 114 to Present)



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FIGURE 10-18. (OPTIONAL) WORKLIGHT ASSEMBLY (644B-37 SN 1290 through 1292, SN 1304 to Present; 644B-42 SN 342 through 343, SN 363 to Present; 844C-42 SN 1341 through 1342, Including 1199, 1255, 1310, 1330 and 1353; 1044C-42 SN 127 to Present; 1044C-54 SN 305 through 306, SN 314 to Present, Including 287 and 291; 6K-37 SN 495 to Present; 6K-42 SN 179 to Present; 8K-42 SN 334 to Present, Including 328 and 331; 10K-42 SN 109 to Present; 10K-54 SN 114 to Present)

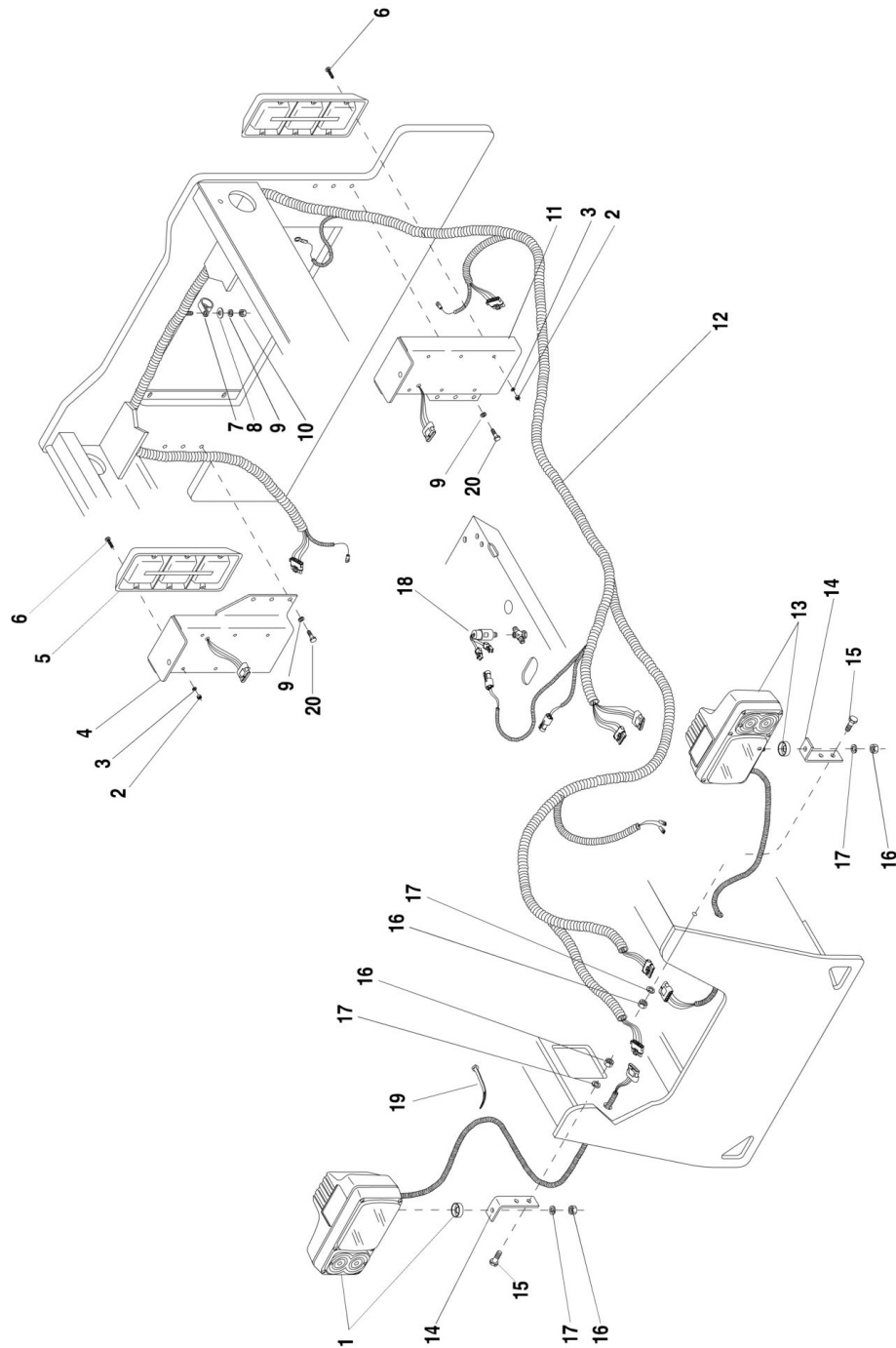
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
Ref	10567873	-	Kit Work Light (Boom only)	
Ref	10567238	-	Kit Work Light (Boom and Rear)	
1	10717554	7	Clamp, 3/8in	
2	10701404	7	Flatwasher, 3/8in	
3	10701310	7	Lockwasher, 3/8in	
4	10701508	7	Nut, Hx, 3/8in-16	
5	10138431	1	Tube, Electric Wiring	
6	10265500	1	Wire Harness, Boom	
7	10165550	1	Wire Harness, Transfer Carriage	
8	10265501	1	Wire Harness, Rear	
9	10134157	4	Light, Flood	
10	10236518	4	Mount, Light	
11	10701507	4	Nut, Hx, 5/16in-18	
12	10702054	6	Ms Screw #10	
13	10701306	6	Lockwasher, #10	
14	10701400	6	Flatwasher, #10	
15	10167871	4	Fuse Holder Assembly	
16	10238396	1	Wire Harness, Under Dash	
17	10730800	1	Fuse, 30 amp (Green)	
18	10167013	1	Wire Harness, Aux	
19	10138409	1	Decal, Work Lights	
20	10837308	1	Switch, Off-On-On (Work Lights)	
21	10836511	1	Actuator, Switch	
22	10703242	4	Capscrew, Button Hd Socket, 1/2in-20 x 1 1/4in	
23	10701312	4	Lockwasher 1/2in	
24	10701406	4	Flatwasher, 1/2in	
25	10837318	4	Clamp, 1/2in	
26	10701312	2	Capscrew, Hx, 1/2in-13 x 1in	

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FIGURE 10-19. (OPTIONAL) ROADWAY LIGHTS ASSEMBLY (644B-37 SN 101 through 591, SN 667 through 1289, SN 1293 through 1303; 644B-42 SN 101 through 341, SN 344 through 362; 844C-42 SN 101 through 1198, SN 1200 through 1254, SN 1256 through 1309, SN 1311 through 1329, SN 1331 through 1340, SN 1343 through 1352; 1044C-42 SN 101 through 126; 1044C-54 SN 101 through 286, SN 288 through 290, SN 292 through 304, SN 307 through 313; 6K-37 SN 101 through 494; 6K-42 SN 101 through 178; 8K-42 SN 101 through 327, SN 329 through 330, SN 332 through 333; 10K-42 SN

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101 through 108; 10K-54 SN 101 through 113)



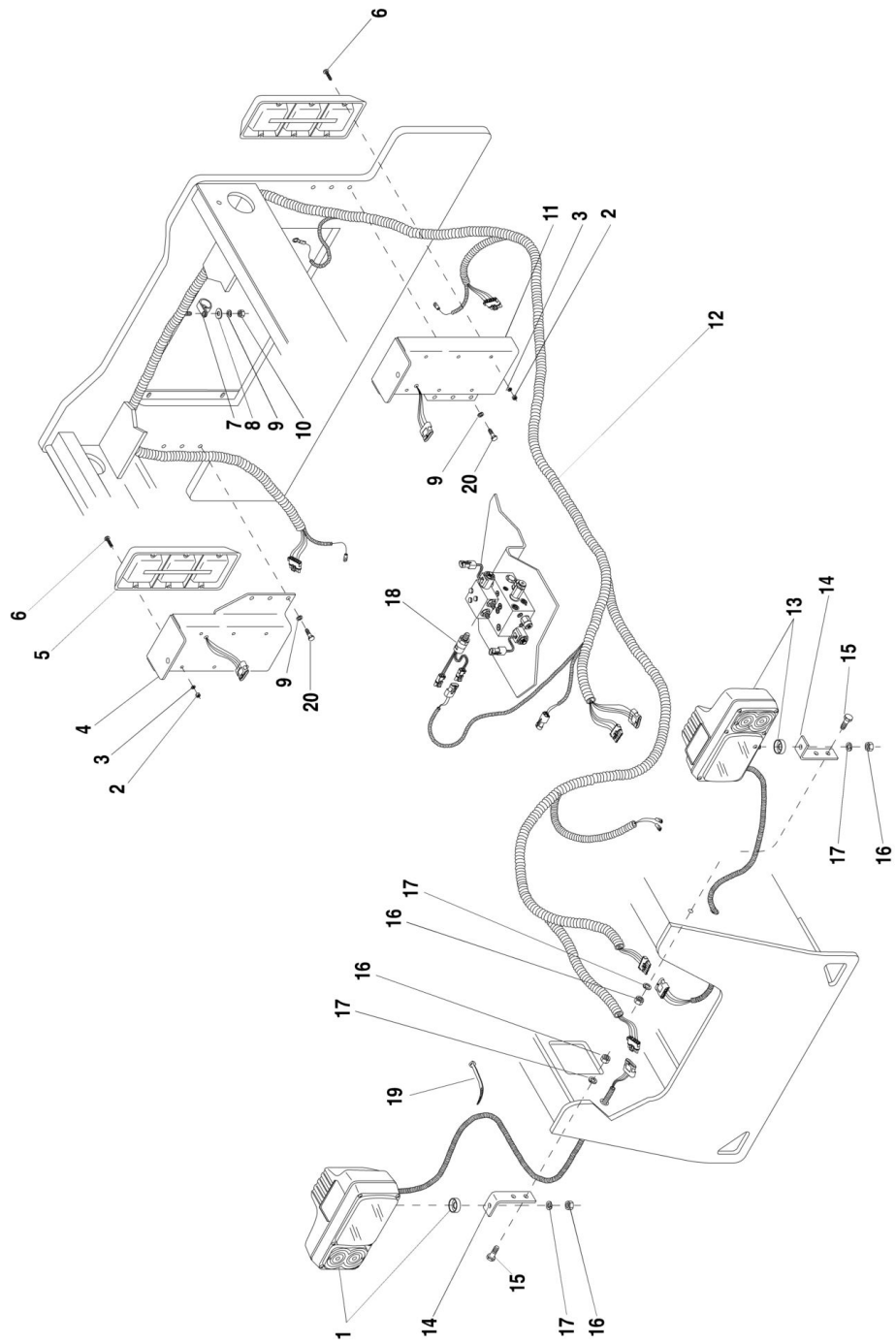
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FIGURE 10-19. (OPTIONAL) ROADWAY LIGHTS ASSEMBLY (644B-37 SN 101 through 591, SN 667 through 1289, SN 1293 through 1303; 644B-42 SN 101 through 341, SN 344 through 362; 844C-42 SN 101 through 1198, SN 1200 through 1254, SN 1256 through 1309, SN 1311 through 1329, SN 1331 through 1340, SN 1343 through 1352; 1044C-42 SN 101 through 126; 1044C-54 SN 101 through 286, SN 288 through 290, SN 292 through 304, SN 307 through 313; 6K-37 SN 101 through 494; 6K-42 SN 101 through 178; 8K-42 SN 101 through 327, SN 329 through 330, SN 332 through 333; 10K-42 SN 101 through 108; 10K-54 SN 101 through 113)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
Ref	10538441	-	Kit, Roadway Light	
1	10238452	1	Head Light/Turn Signal, Right	
2	10701506	12	Nut, Hx, 1/4in-20	
3	10701308	12	Lockwasher, 1/4in	
4	10239088	1	Mount, Taillight, R/S	
5	10338454	1	Brake Light/Turn Signal, R/S	
6	10702130	12	Screw, Slotted, Rd Hd, 1/4in-20 x 3/4in	
7	10717554	7	Clamp, 3/8in	
8	10701404	7	Flatwasher, 3/8in	
9	10701310	7	Lockwasher, 3/8in	
10	10701508	7	Nut, Hx, 3/8in-16	
11	10239083	1	Mount, Taillight, L/S	
12	10439627	1	Wire Harness, Lights	
13	10238443	1	Head Light/Turn Signal, Left	
14	10236518	2	Mount, Light	
15	10700402	4	Capscrew, Hx, 1/2in-13 x 1 1/2in	
16	10701510	6	Nut, Hx, 1/2in-13	
17	10701312	6	Lockwasher 1/2in	
18	10139536	1	Pressure Switch, Wet Disc Brake	
18	10139477	-	Pressure Switch, Dry Disc Brake	
19	10717989	AR	Cable Tie	
20	10700202	6	Capscrew, Hx, 3/8in-16 x 3/4in	

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FIGURE 10-20. (OPTIONAL) ROADWAY LIGHTS ASSEMBLY (MID INLET) (644B-37 SN 1290 through 1292, SN 1304 to Present; 644B-42 SN 342 through 343, SN 363 to Present; 844C-42 SN 1341 through 1342, SN 1353 to Present, Including 1199, 1255, 1310 and 1330; 1044C-42 SN 127 to Present; 1044C-54 SN 305 through 306, SN 314 to Present, Including 287 and 291; 6K-37 SN 495 to Present; 6K-42 SN 179 to Present; 8K-42 SN 334 to Present, Including 328 and 331; 10K-42 SN 109 to Present; 10K-54 SN 114 to Present)



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FIGURE 10-20. (OPTIONAL) ROADWAY LIGHTS ASSEMBLY (MID INLET) (644B-37 SN 1290 through 1292, SN 1304 to Present; 644B-42 SN 342 through 343, SN 363 to Present; 844C-42 SN 1341 through 1342, SN 1353 to Present, Including 1199, 1255, 1310 and 1330; 1044C-42 SN 127 to Present; 1044C-54 SN 305 through 306, SN 314 to Present, Including 287 and 291; 6K-37 SN 495 to Present; 6K-42 SN 179 to Present; 8K-42 SN 334 to Present, Including 328 and 331; 10K-42 SN 109 to Present; 10K-54 SN 114 to Present)

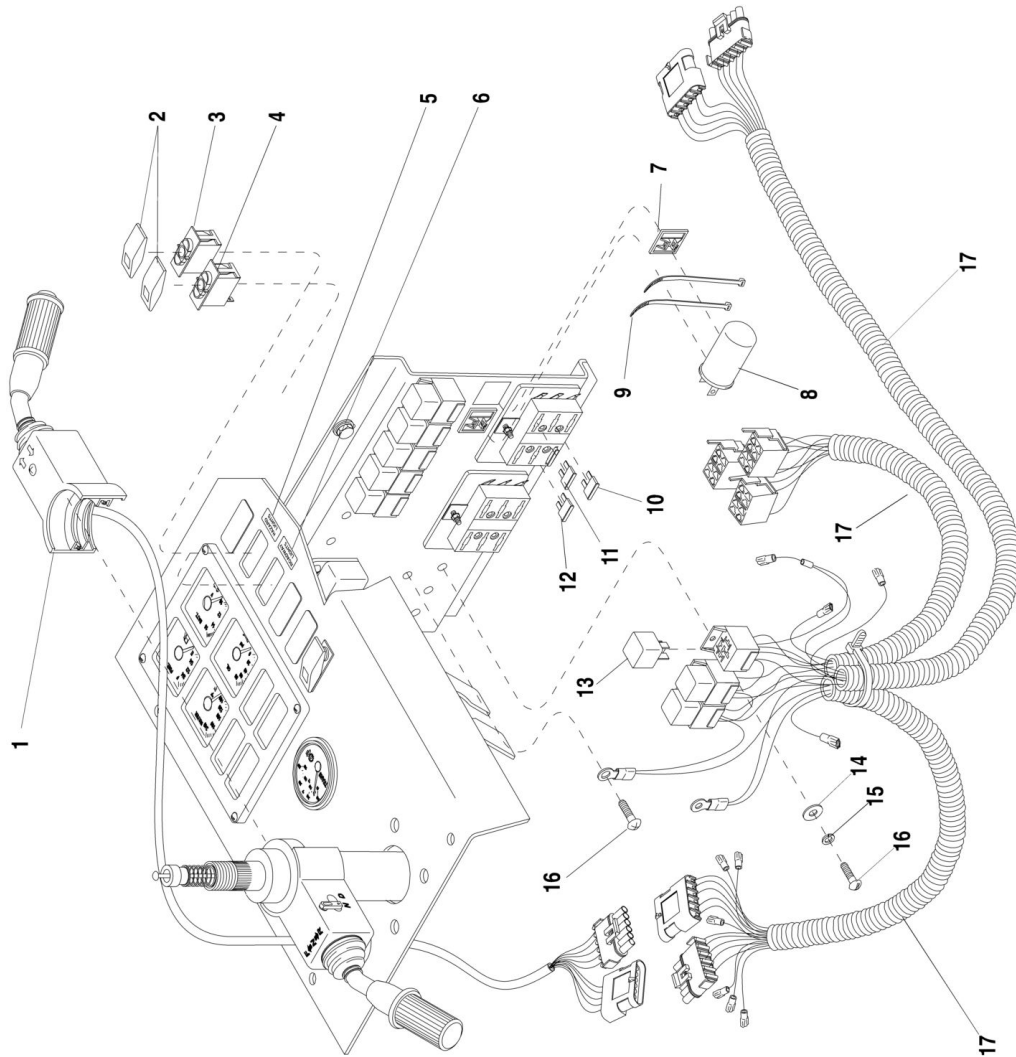
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
Ref	10568715	-	Kit, Roadway Lights	
1	10238452	1	Head Light/Turn Signal, Right	
2	10701506	12	Nut, Hx, 1/4in-20	
3	10701308	12	Lockwasher, 1/4in	
4	10239088	1	Mount, Tailight, R/S	
5	10338454	1	Brake Light/Turn Signal, R/S	
6	10702130	12	Screw, Slotted, Rd Hd, 1/4in-20 x 3/4in	
7	10717554	7	Clamp, 3/8in	
8	10701404	7	Flatwasher, 3/8in	
9	10701310	7	Lockwasher, 3/8in	
10	10701508	7	Nut, Hx, 3/8in-16	
11	10239083	1	Mount, Tailight, L/S	
12	10439627	1	Wire Harness, Lights	
13	10238443	1	Head Light/Turn Signal, Left	
14	10236518	2	Mount, Light	
15	10700402	4	Capscrew, Hx, 1/2in-13 x 1 1/2in	
16	10701510	6	Nut, Hx, 1/2in-13	
17	10701312	6	Lockwasher 1/2in	
18	10167062	1	Pressure Switch, Wet Disc Brake	
18	10167064	-	Pressure Switch, Dry Disc Brake	
19	10717989	AR	Cable Tie	
20	10700202	6	Capscrew, Hx, 3/8in-16 x 3/4in	

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FIGURE 10-21. (OPTIONAL) ROADWAY LIGHTS DASH HARNESS W/O CIRCUIT BOARD (644B-37 SN 101 through 591, SN 667 through 1289, SN 1293 through 1303; 644B-42 SN 101 through 341, SN 344 through 362; 844C-42 SN 101 through 1198, SN 1200 through 1254, SN 1256 through 1309, SN 1311 through 1329, SN 1331 through 1340, SN 1343 through 1352; 1044C-42 SN 101 through 126; 1044C-54 SN 101 through 286, SN 288 through 290, SN 292 through 304, SN 307 through 313; 6K-37 SN 101 through 494; 6K-42 SN 101 through 178; 8K-42 SN 101 through 327, SN 329 through 330, SN 332

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through 333; 10K-42 SN 101 through 108; 10K-54 SN 101 through 113)



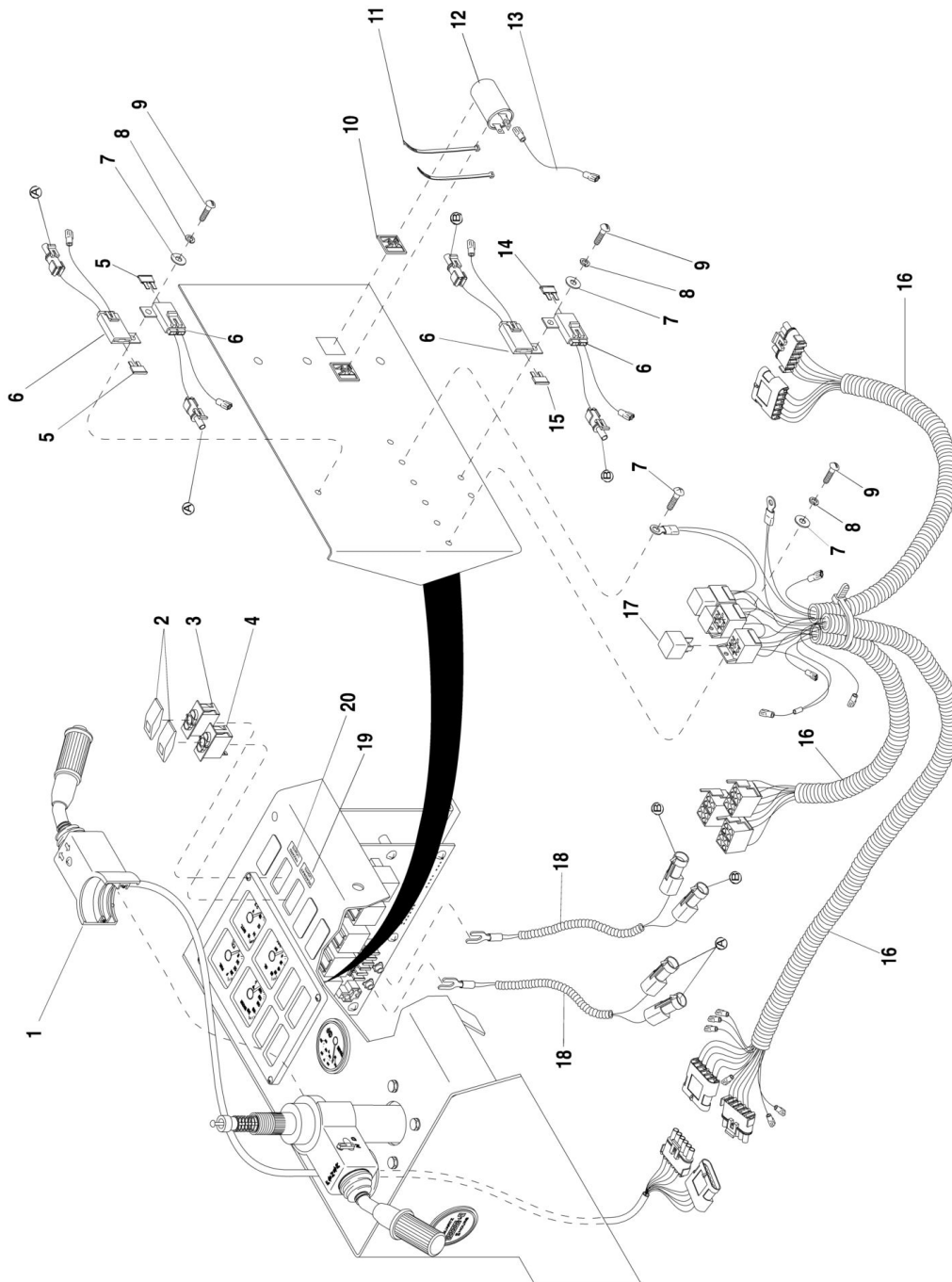
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FIGURE 10-21. (OPTIONAL) ROADWAY LIGHTS DASH HARNESS W/O CIRCUIT BOARD (644B-37 SN 101 through 591, SN 667 through 1289, SN 1293 through 1303; 644B-42 SN 101 through 341, SN 344 through 362; 844C-42 SN 101 through 1198, SN 1200 through 1254, SN 1256 through 1309, SN 1311 through 1329, SN 1331 through 1340, SN 1343 through 1352; 1044C-42 SN 101 through 126; 1044C-54 SN 101 through 286, SN 288 through 290, SN 292 through 304, SN 307 through 313; 6K-37 SN 101 through 494; 6K-42 SN 101 through 178; 8K-42 SN 101 through 327, SN 329 through 330, SN 332 through 333; 10K-42 SN 101 through 108; 10K-54 SN 101 through 113)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	10238463	1	Turn Signal Switch, Modified	
2	10837309	2	Switch Actuator	
3	10836509	1	Switch, On-Off (Hazard Lights)	
4	10837308	1	Switch, Off-On-On (Roadway Lights)	
5	10138460	1	Decal, Hazard Lights	
6	10138459	1	Decal, Roadway Light	
7	10727600	2	Mount, Cable Tie	
8	10719790	1	Flasher, 12V	
9	10717989	2	Cable Tie	
10	10730800	1	Fuse, 30 amp (Green)	
11	10730798	1	Fuse, 15 amp (Blue)	
12	10730799	2	Fuse, 20 amp (Yellow)	
13	10866820	3	Relay	
14	10701400	6	Flatwasher, #10	
15	10701306	6	Lockwasher, #10	
16	10702054	6	Screw	
17	10467704	1	Wire Harness, Under Dash	
18	10167871	2	Wire Harness, Dual, Aux Power	

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FIGURE 10-22. (OPTIONAL) ROADWAY LIGHTS DASH HARNESS W/CIRCUIT BOARD (644B-37 SN 1290 through 1292, SN 1304 to Present; 644B-42 SN 342 through 343, SN 363 to Present; 844C-42 SN 1341 through 1342, SN 1353 to Present, Including 1199, 1255, 1310 and 1330; 1044C-42 SN 127 to Present; 1044C-54 SN 314 to Present, Including 287, 291, 305 and 306; 6K-37 SN 495 to Present; 6K-42 SN 179 to Present; 8K-42 SN 334 to Present, Including 328 and 331; 10K-42 SN 109 to Present; 10K-54 SN 114 to Present; Including)



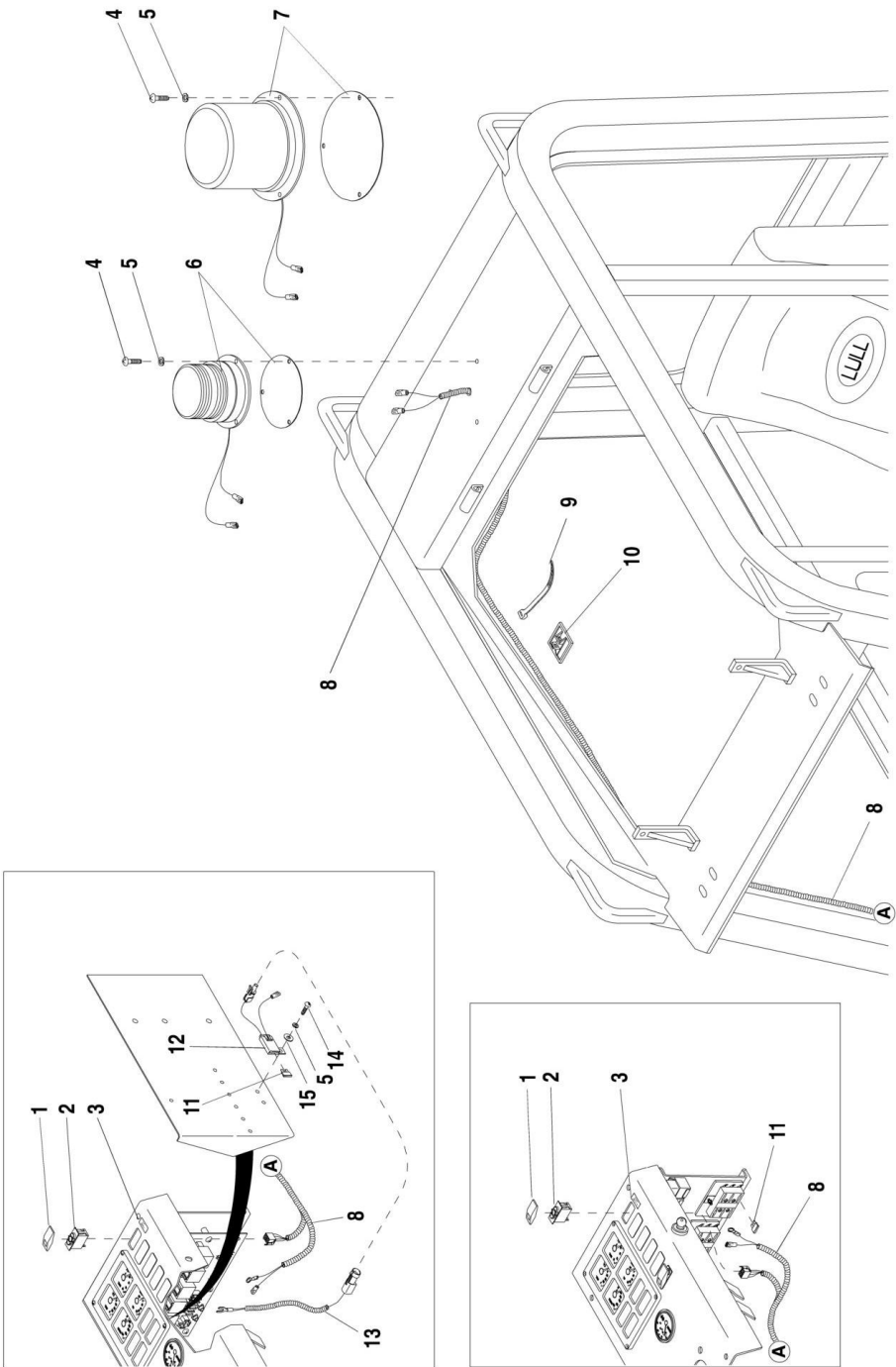
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FIGURE 10-22. (OPTIONAL) ROADWAY LIGHTS DASH HARNESS W/CIRCUIT BOARD (644B-37 SN 1290 through 1292, SN 1304 to Present; 644B-42 SN 342 through 343, SN 363 to Present; 844C-42 SN 1341 through 1342, SN 1353 to Present, Including 1199, 1255, 1310 and 1330; 1044C-42 SN 127 to Present; 1044C-54 SN 314 to Present, Including 287, 291, 305 and 306; 6K-37 SN 495 to Present; 6K-42 SN 179 to Present; 8K-42 SN 334 to Present, Including 328 and 331; 10K-42 SN 109 to Present; 10K-54 SN 114 to Present; Including)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	10238463	1	Turn Signal Switch, Modified	
2	10837309	2	Switch Actuator	
3	10836509	1	Switch, On-Off (Hazard Lights)	
4	10837308	1	Switch, Off-On-On (Roadway Lights)	
5	10730799	2	Fuse, 20 amp (Yellow)	
6	10167871	4	Fuse Holder Assembly	
7	10701400	6	Flatwasher, #10	
8	10701306	6	Lockwasher, #10	
9	10702054	6	Screw	
10	10727600	2	Mount, Cable Tie	
11	10717989	2	Cable Tie	
12	10719790	1	Flasher, 12V	
13	103382001	1	Jumper Wire	
14	10730800	1	Fuse, 30 amp (Green)	
15	10730798	1	Fuse, 15 amp (Blue)	
16	10467704	1	Wire Harness, Under Dash	
17	10866820	3	Relay	
18	10167871	2	Wire Harness, Dual, Aux Power	
19	10138459	1	Decal, Roadway Light	
20	10138460	1	Decal, Hazard Lights	

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FIGURE 10-23. (OPTIONAL) STROBE/ ROTATING BEACON LIGHTS



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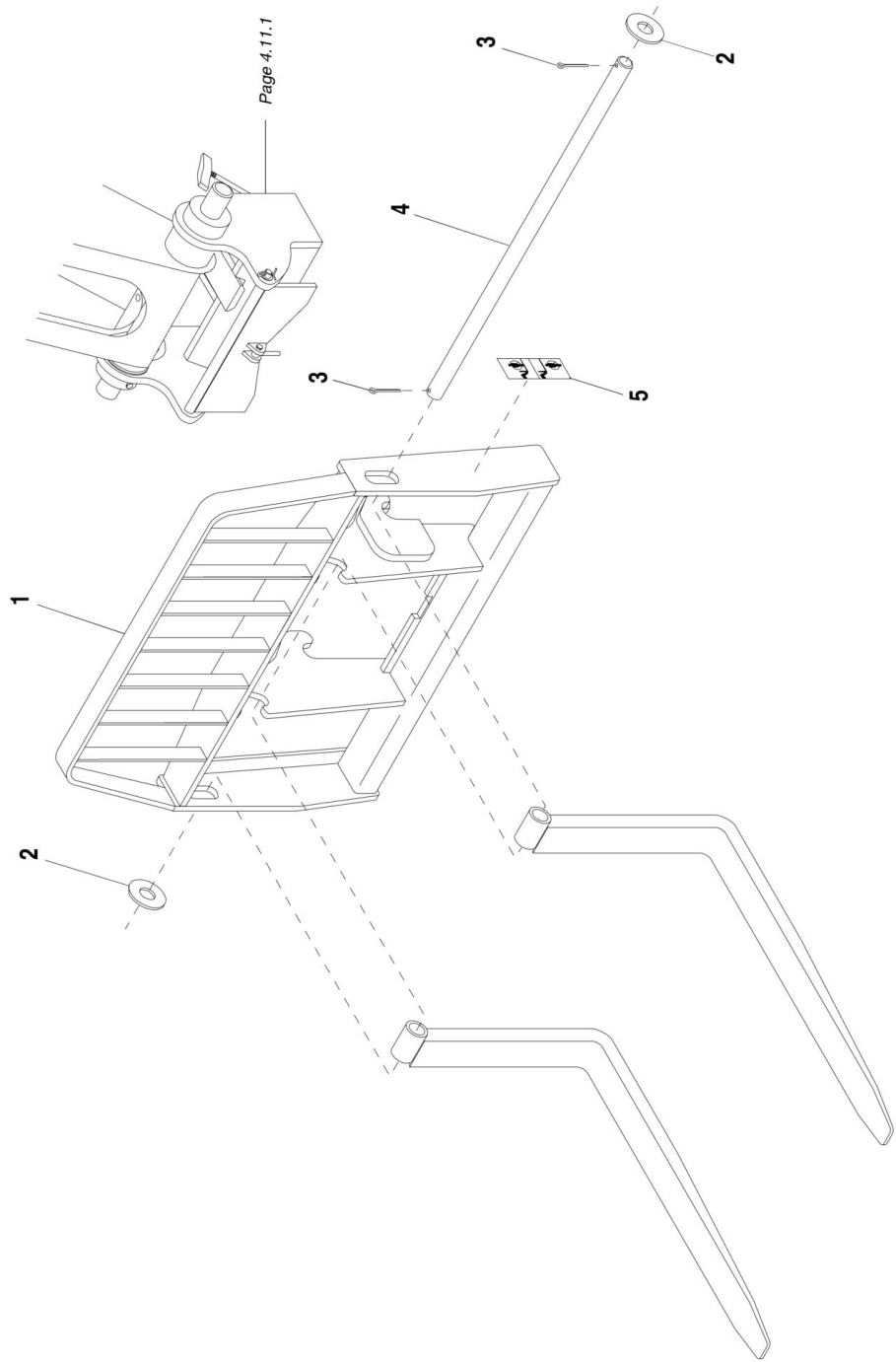
FIGURE 10-23. (OPTIONAL) STROBE/ ROTATING BEACON LIGHTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	10837309	1	Switch Actuator	
2	10836509	1	Switch, On-Off (Beacon/Strobe Light)	
3	10136648	1	Decal, Beacon Light	
3	10138377	1	Decal, Strobe Light	
4	10702082	3	Screw Slotted Rd Hd, #10-32 x 3/4in	
5	10701306	6	Lockwasher, #10	
6	10238353	1	Light, Strobe, Amber	
7	10239647	1	Light, Rotating Beacon, Amber	
8	10238356	1	Wire Harness	
9	10717989	4	Cable Tie	
10	10727600	4	Mount, Cable Tie	
11	10730797	1	Fuse, 10 amp (Red) (Use with Strobe Light)	
11	10730798	1	Fuse, 15 amp (Blue) (Use with Rotating Beacon)	
12	10167871	1	Fuse Holder Assembly	
13	10167013	1	Wire Harness, Auxiliary Power	
14	10702054	2	Screw Slotted Rd Hd, #10-24 x 1/2in	
15	10701400	2	Flatwasher, #10	

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FIGURE 11-1. STANDARD (NON-TILT) FORK CARRIAGE ASSEMBLY, MODEL 8 50 (644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 844C-42 SN 101 to Present; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present; 8K-42 SN 101 to Present)



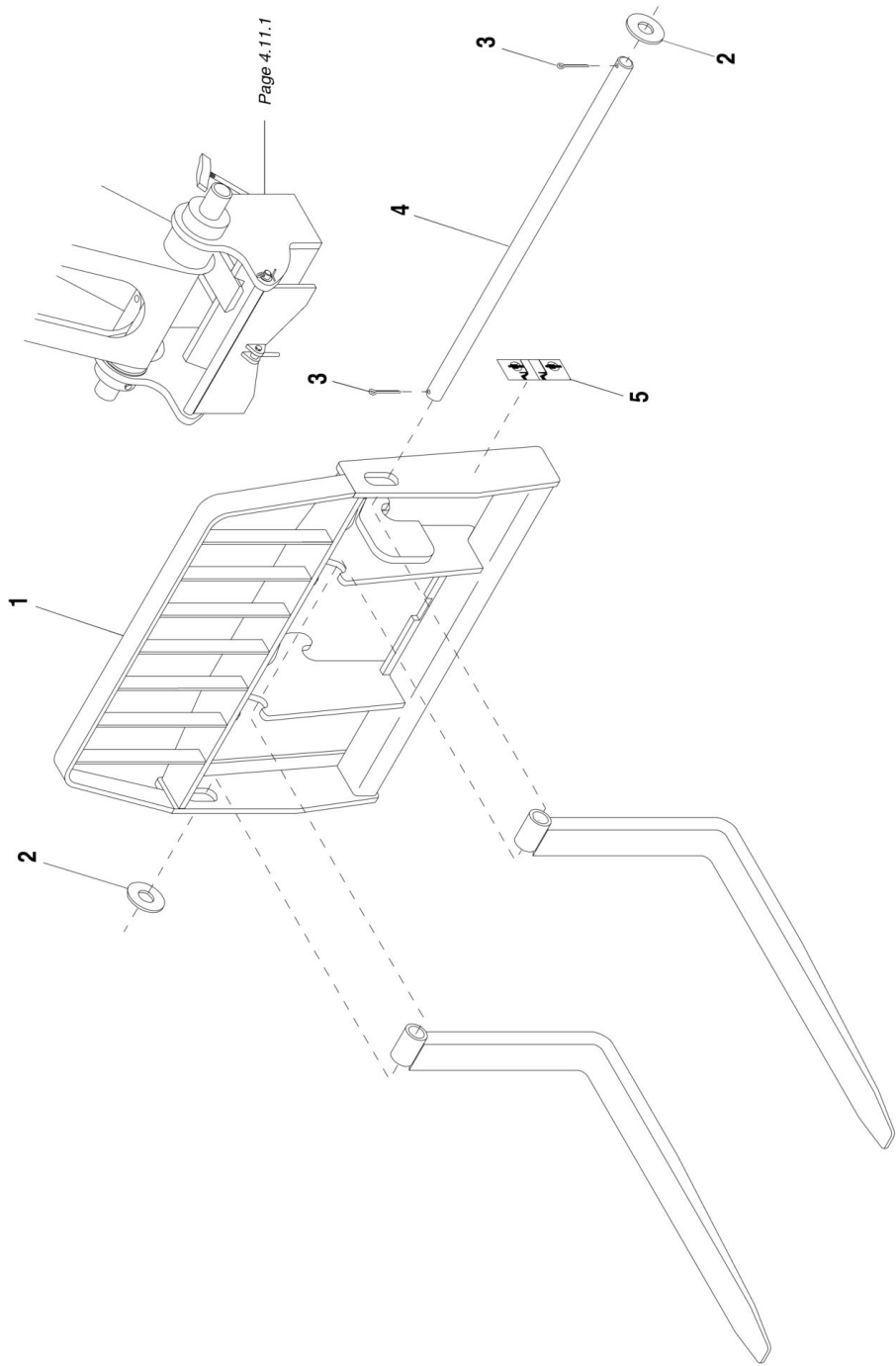
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FIGURE 11-1. STANDARD (NON-TILT) FORK CARRIAGE ASSEMBLY, MODEL 8 50 (644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 844C-42 SN 101 to Present; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present; 8K-42 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
Ref	48000	-	Standard (Non-Tilt) Fork Carriage Assembly (Includes items 1-5)	
1	38000D	1	Carriage, Standard (Non-Tilt)	
2	18129A	2	Washer, Fork Shaft	
3	P03906	2	Cotter Pin, 3/8in x 3in	
4	38064A	1	Fork Shaft	
5	24752B	2	Decal, Carriage Safety	
Ref	38026B	-	Pallet Fork, 42in x 4in x 2in	
Ref	38025B	-	Pallet Fork, 48in x 4in x 2in	
Ref	38117B	-	Pallet Fork, 60in x 4in x 2in	
Ref	38118B	-	Cubing Fork, 48in x 2in x 2in	
Ref	17103B	-	Lumber Fork, 48in x 6in x 1 1/2in	

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FIGURE 11-2. STANDARD (NON-TILT) FORK CARRIAGE ASSEMBLY, MODEL 10 50 (1044C-42,1044C-54,10K-42,10K-54) (1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)



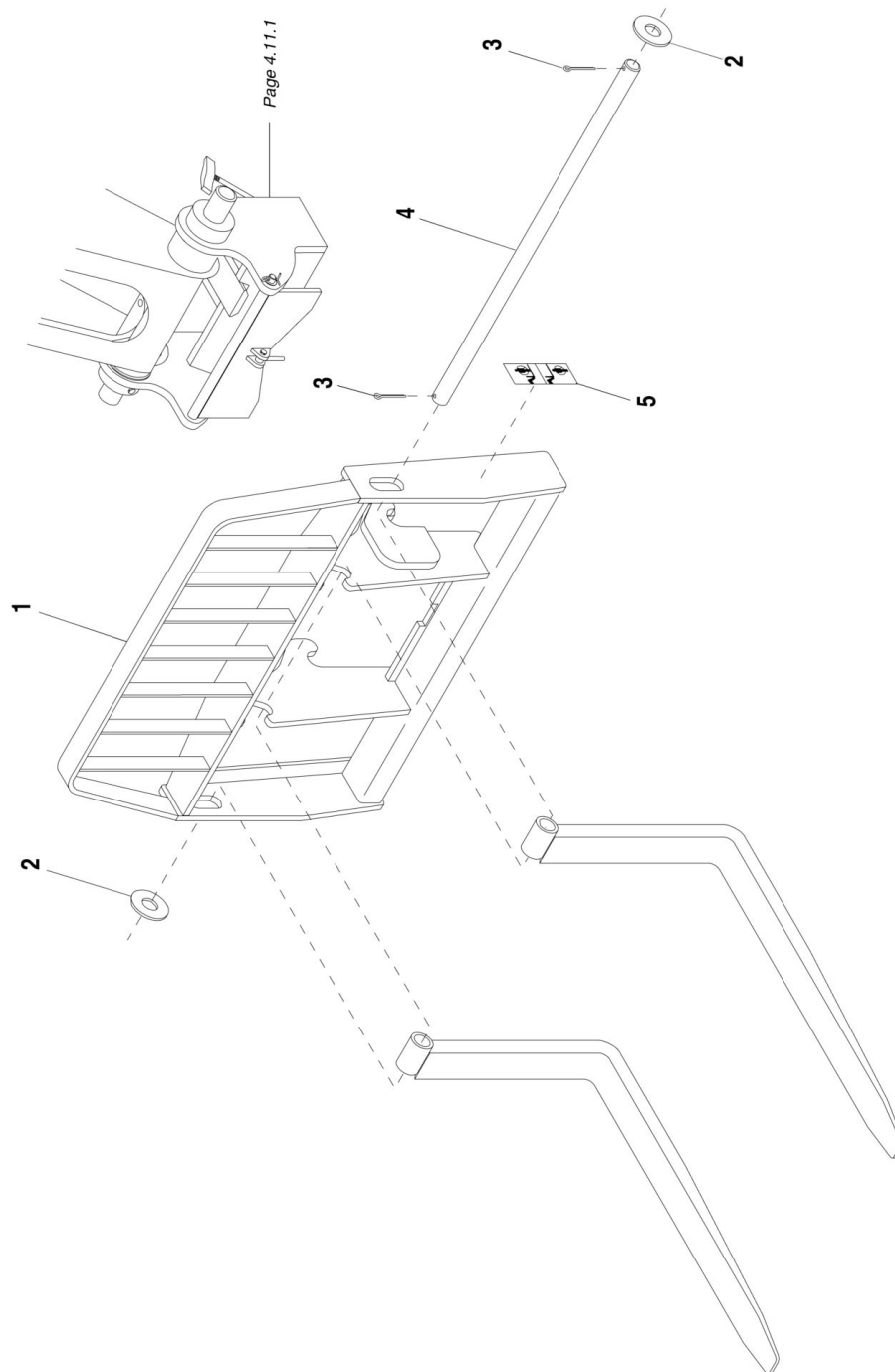
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FIGURE 11-2. STANDARD (NON-TILT) FORK CARRIAGE ASSEMBLY, MODEL 10 50 (1044C-42,1044C-54,10K-42,10K-54) (1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
Ref	48040	-	Standard (Non-Tilt) Fork Carriage Assembly (Includes items 1-5)	
1	38000D	1	Carriage, Standard (Non-Tilt)	
2	18129A	2	Washer, Fork Shaft	
3	P03906	2	Cotter Pin, 3/8in x 3in	
4	23049B	1	Fork Shaft	
5	24752B	2	Decal, Carriage Safety	
Ref	38568B	-	Pallet Fork, 42in x 5in x 2in	
Ref	39893B	-	Pallet Fork, 42in x 4in x 2 1/4in	
Ref	38569B	-	Pallet Fork, 48in x 5in x 2in	
Ref	39894B	-	Pallet Fork, 48in x 4in x 2 1/4in	
Ref	38570B	-	Pallet Fork, 60in x 5in x 2in	
Ref	39895B	-	Pallet Fork, 60in x 4in x 2 1/4in	
Ref	38118B	-	Cubing Fork, 48in x 2in x 2in	
Ref	39094B	-	Lumber Fork, 48in x 7in x 1 3/4in	
Ref	39095B	-	Lumber Fork, 60in x 7in x 1 3/4in	

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FIGURE 11-3. FRAMERS (NON-TILT) FORK CARRIAGE ASSEMBLY, MODEL 8 74 (644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 844C-42 SN 101 to Present; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present; 8K-42 SN 101 to Present)



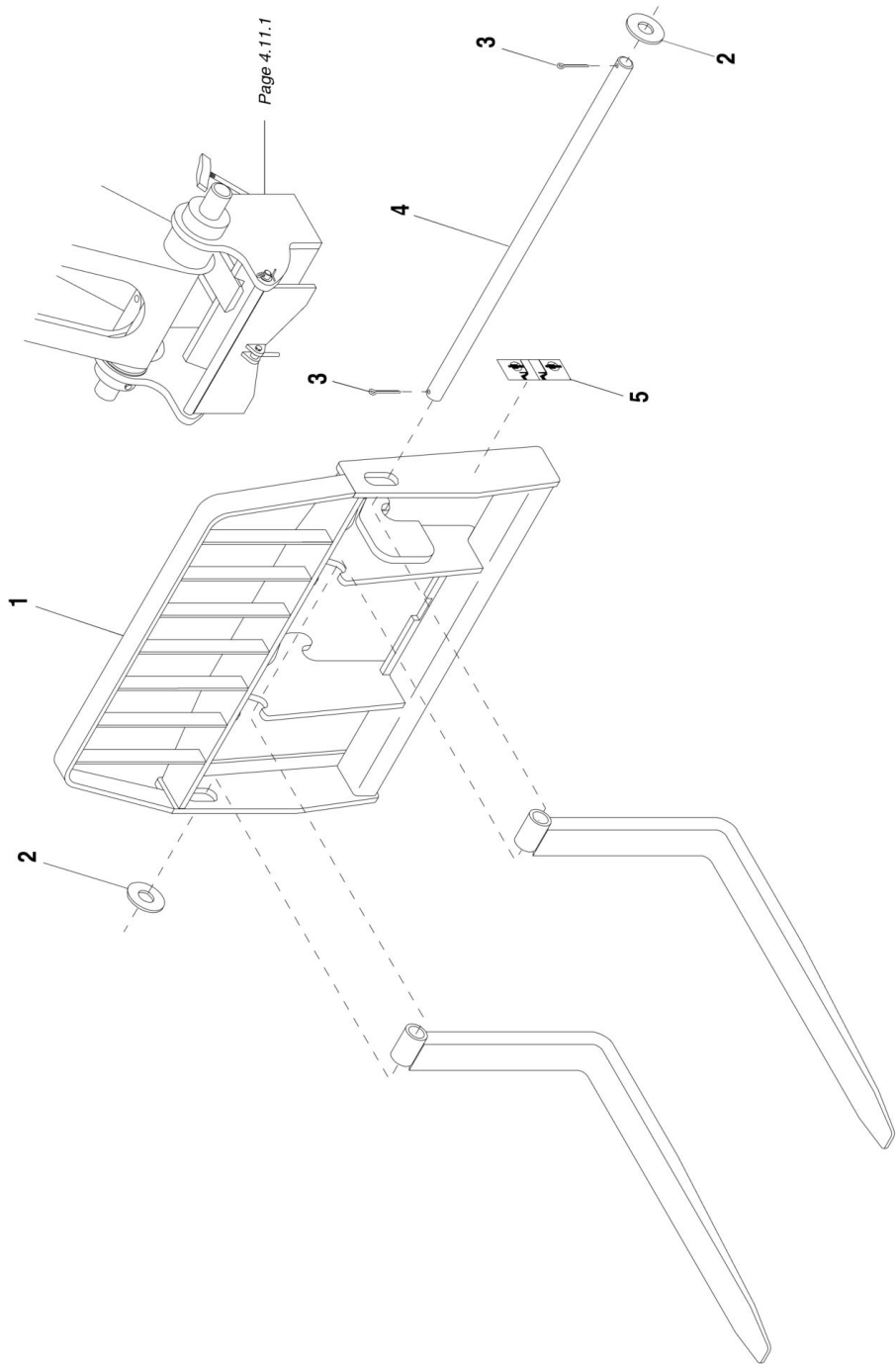
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FIGURE 11-3. FRAMERS (NON-TILT) FORK CARRIAGE ASSEMBLY, MODEL 8 74 (644B-37,644B-42,6K-37,6K-42,844C-42,8K-42) (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 844C-42 SN 101 to Present; 6K-37 SN 101 to Present; 6K-42 SN 101 to Present; 8K-42 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
Ref	48002	-	Framers (Non-Tilt) Fork Carriage Assembly (Includes items 1-5)	
1	38001D	1	Carriage, Framers (Non-Tilt)	
2	18129A	2	Washer, Fork Shaft	
3	P03906	2	Cotter Pin, 3/8in x 3in	
4	16207A	1	Fork Shaft	
5	24752B	2	Decal, Carriage Safety	
Ref	38026B	-	Pallet Fork, 42in x 4in x 2in	
Ref	38025B	-	Pallet Fork, 48in x 4in x 2in	
Ref	38117B	-	Pallet Fork, 60in x 4in x 2in	
Ref	38118B	-	Cubing Fork, 48in x 2in x 2in	
Ref	17103B	-	Lumber Fork, 48in x 6in x 1 1/2in	
Ref	23610B	-	Lumber Fork, 60in x 6in x 1 1/2in	

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FIGURE 11-4. FRAMERS (NON-TILT) FORK CARRIAGE ASSEMBLY, MODEL 10 74 (1044C-42,1044C-54,10K-42,10K-54) (1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)



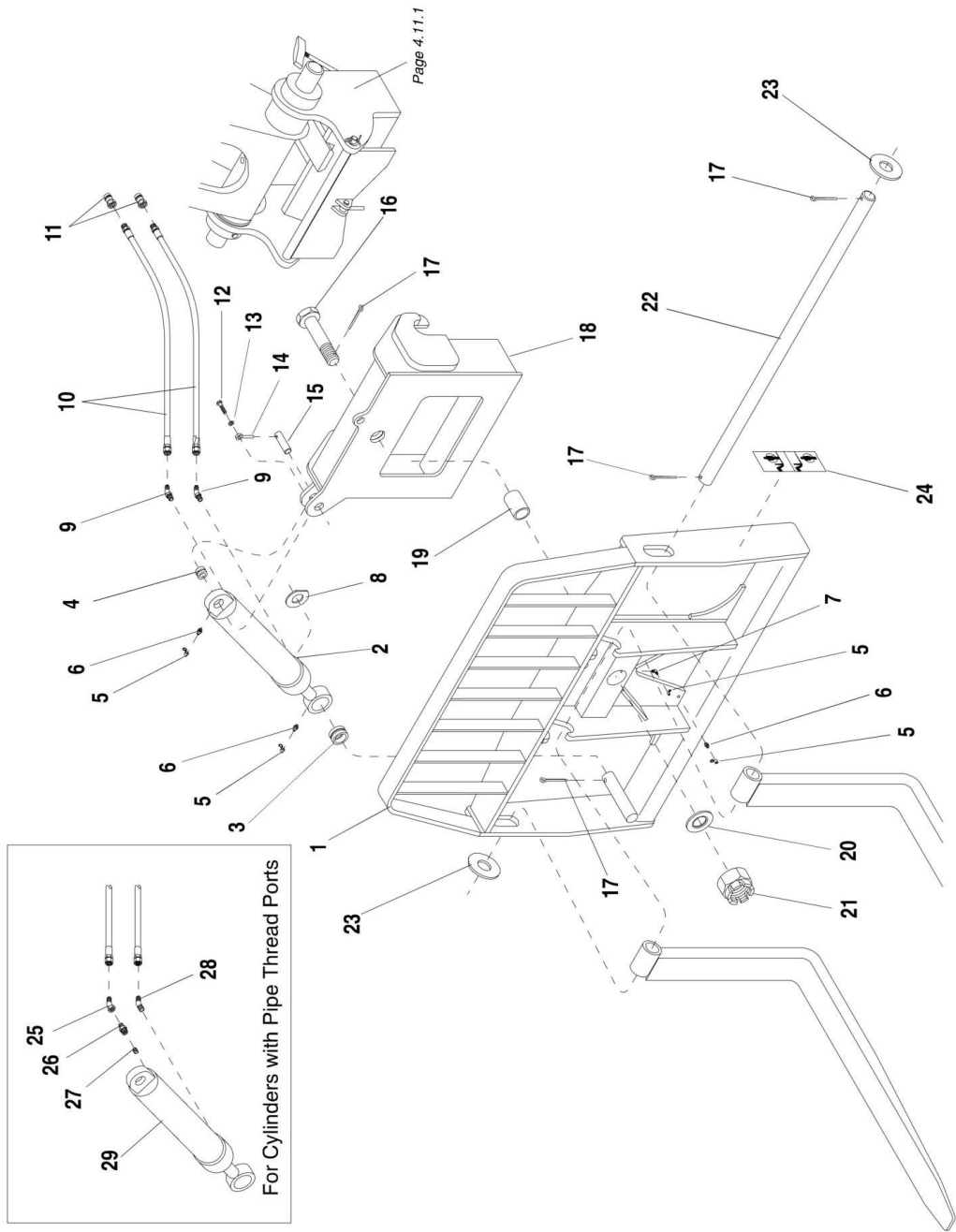
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FIGURE 11-4. FRAMERS (NON-TILT) FORK CARRIAGE ASSEMBLY, MODEL 10 74 (1044C-42,1044C-54,10K-42,10K-54) (1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present; 10K-42 SN 101 to Present; 10K-54 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
Ref	48042	-	Framers (Non-Tilt) Fork Carriage Assembly (Includes items 1-5)	
1	38001D	1	Carriage, Framers (Non-Tilt)	
2	18129A	2	Washer, Fork Shaft	
3	P03906	2	Cotter Pin, 3/8in x 3in	
4	24495A	1	Fork Shaft	
5	24752B	2	Decal, Carriage Safety	
Ref	38568B	-	Pallet Fork, 42in x 5in x 2in	
Ref	39893B	-	Pallet Fork, 42in x 4in x 2 1/4in	
Ref	38569B	-	Pallet Fork, 48in x 5in x 2in	
Ref	39894B	-	Pallet Fork, 48in x 4in x 2 1/4in	
Ref	38570B	-	Pallet Fork, 60in x 5in x 2in	
Ref	39895B	-	Pallet Fork, 60in x 4in x 2 1/4in	
Ref	38118B	-	Cubing Fork, 48in x 2in x 2in	
Ref	39094B	-	Lumber Fork, 48in x 7in x 1 3/4in	
Ref	39095B	-	Lumber Fork, 60in x 7in x 1 3/4in	

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FIGURE 11-5. STANDARD TILTING FORK CARRIAGE ASSEMBLY, MODEL 8T50 (644B-37,644B-42,844C-42) (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 844C-42 SN 101 to Present)



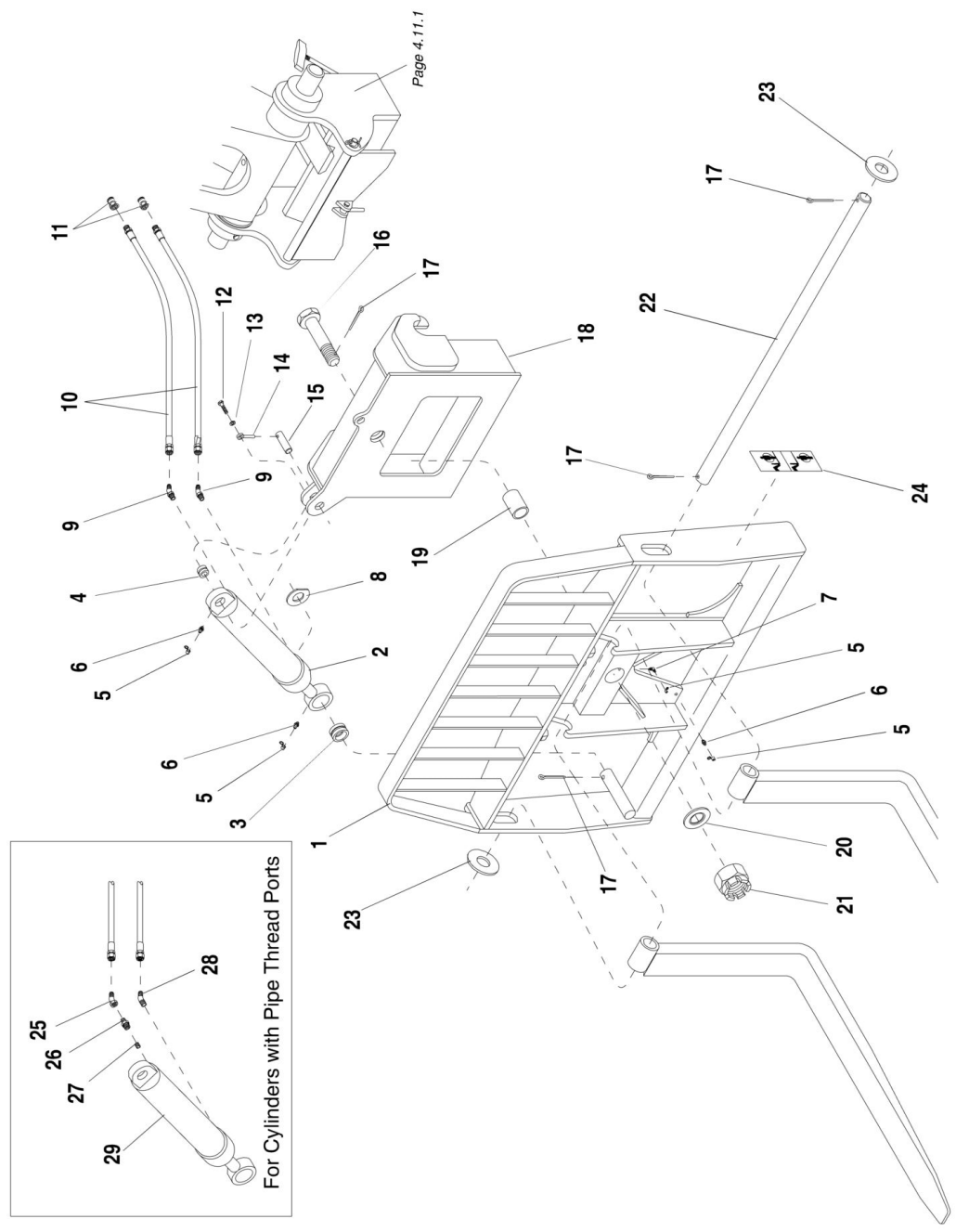
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FIGURE 11-5. STANDARD TILTING FORK CARRIAGE ASSEMBLY, MODEL 8T50 (644B-37,644B-42,844C-42) (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 844C-42 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
Ref	48001	-	Standard Tilting Fork Carriage Assembly (Includes items 1-23)	
1	38002D	1	Carriage, Standard Tilting	
2	66218B	1	Cylinder, Tilting Carriage w/O-Ring Ports (Replaces Item 28, 34844B) (Includes Items 3 & 4) (See TILTING CARRIAGE CYLINDER ASSEMBLY for Breakdown)	
3	16228A	1	Bushing, Cylinder - Rod End	
4	16227A	1	Bushing, Cylinder - Base End	
5	P32689	5	Cover, Grease Fitting	
6	P16611	4	Grease Fitting	
7	P15337	1	Grease Fitting, 90	
8	16323A	1	Washer, Special	
9	P19815	2	45, Elbow, O-Ring	
10	37863X	2	Hyd Hose, 3/8in x 40in (O-Ring Ends) (Note: For 644B-37 S/N 101 through 1107, 644B-42 101 through 284 & 844C-42 101 through 1062 Use Hyd Hose P29796 (Pipe Thread Ends) (Replaces 60in P29256))	
11	P30015	2	Male, Quick Coupler	
11	66136X	-	Male, Quick Coupler, O-Ring	
12	P00403	1	Capscrew, Hx, 1/2in-13 x 1 1/4in	
13	P01312	1	Lockwasher, 1/2in	
14	35707A	1	Lock Pin	
15	38014A	1	Pin, Tilt Cylinder	
16	38065A	1	Pivot Shaft	
17	P03906	4	Cotter Pin, 3/8in x 3in	
18	38004C	1	Inner Carriage	
19	38013A	1	Sleeve, Pivot	
20	38066A	1	Washer, Pivot	
21	37794X	1	Castle Nut, Hx, 2in-12	
22	38064A	1	Fork Shaft	
23	38066A	2	Washer, Fork Shaft	
24	24752B	2	Decal, Carriage Safety	
25	P21175	1	45, Elbow, Swivel	
26	35420A	1	Adapter, Special	
27	38114A	1	Orifice	
28	P18943	1	45, Elbow, JIC - Pipe	
29	N.L.A	1	Cylinder, Tilting Carriage w/Pipe Thread Ports (See TILTING CARRIAGE CYLINDER ASSEMBLY for Breakdown) (Note: For Replacement, Order Cylinder Replacement Kit 66336B (Includes Items 2-4, 9))	
Ref	38026B	-	Pallet Fork, 42in x 4in x 2in	
Ref	38025B	-	Pallet Fork, 48in x 4in x 2in	
Ref	38117B	-	Pallet Fork, 60in x 4in x 2in	
Ref	38118B	-	Cubing Fork, 48in x 2in x 2in	
Ref	17103B	-	Lumber Fork, 48in x 6in x 1 1/2in	
Ref	23610B	-	Lumber Fork, 60in x 6in x 1 1/2in	

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FIGURE 11-6. STANDARD TILTING FORK CARRIAGE ASSEMBLY, MODEL 10T50 (1044C-42,1044C-54) (1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present)



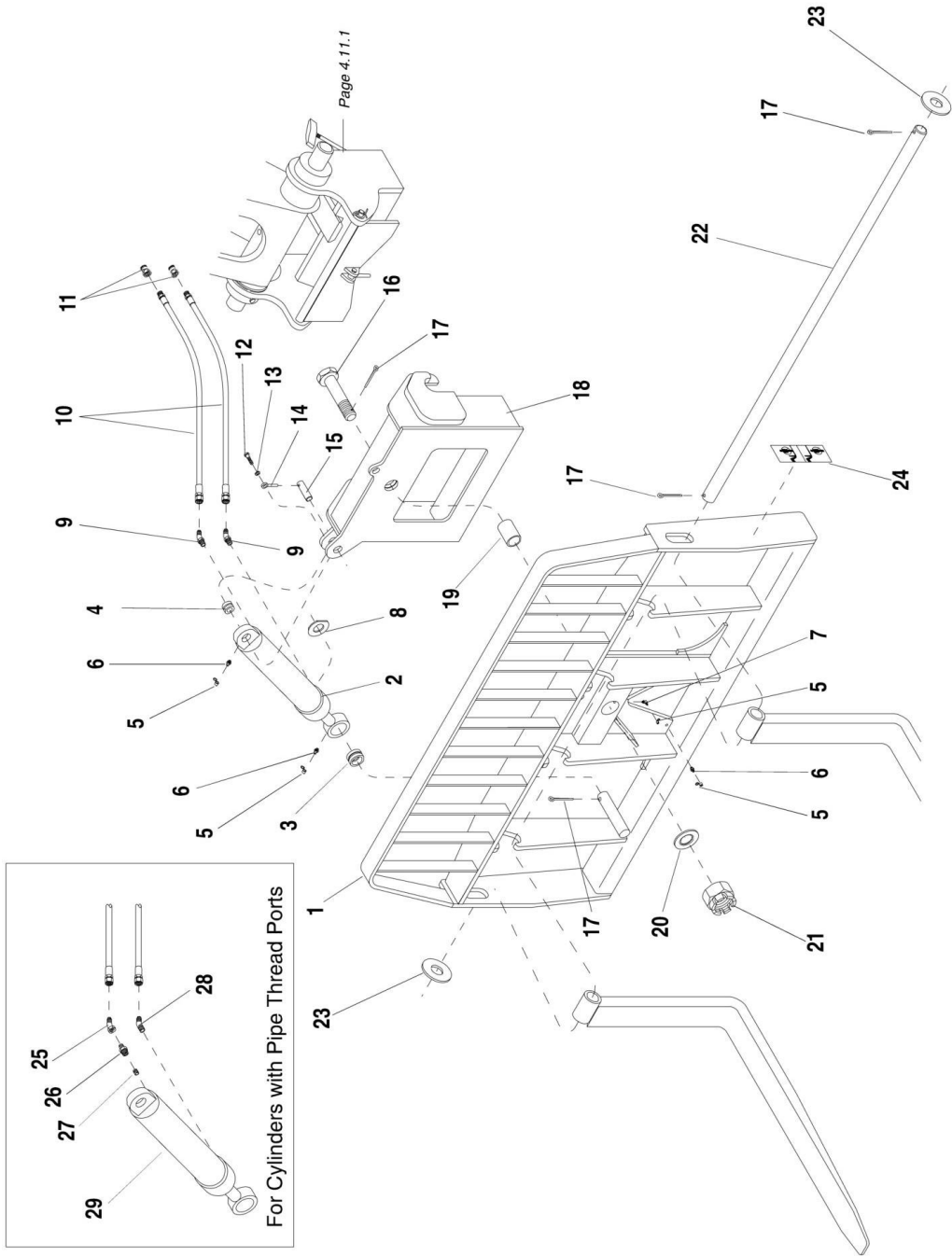
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FIGURE 11-6. STANDARD TILTING FORK CARRIAGE ASSEMBLY, MODEL 10T50 (1044C-42,1044C-54) (1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
Ref	48041	-	Standard Tilting Fork Carriage Assembly (Includes items 1-23)	
1	38002D	1	Carriage, Standard Tilting	
2	66218B	1	Cylinder, Tilting Carriage w/O-Ring Ports (Replaces Item 28, 34844B) (Includes Items 3 & 4) (See TILTING CARRIAGE CYLINDER ASSEMBLY for Breakdown)	
3	16228A	1	Bushing, Cylinder - Rod End	
4	16227A	1	Bushing, Cylinder - Base End	
5	P32689	5	Cover, Grease Fitting	
6	P16611	4	Grease Fitting	
7	P15337	1	Grease Fitting, 90	
8	16323A	1	Washer, Special	
9	P19815	2	45, Elbow, O-Ring	
10	37863X	2	Hyd Hose, 3/8in x 40in (O-Rings Ends) (Note: For 1044C-42 101 through 123; 1044C-54 101 through 274 Use Hyd Hose P29796 (Pipe Thread Ends) (Replaces 60in P29256))	
11	P30015	2	Male, Quick Coupler	
11	66136X	-	Male, Quick Coupler, O-Ring	
12	P00403	1	Capscrew, Hx, 1/2in-13 x 1 1/4in	
13	P01312	1	Lockwasher, 1/2in	
14	35707A	1	Lock Pin	
15	38014A	1	Pin, Tilt Cylinder	
16	38065A	1	Pivot Shaft	
17	P03906	4	Cotter Pin, 3/8in x 3in	
18	38004C	1	Inner Carriage	
19	38013A	1	Sleeve, Pivot	
20	38066A	1	Washer, Pivot	
21	37794X	1	Castle Nut, Hx, 2in-12	
22	23049B	1	Fork Shaft	
23	38066A	2	Washer, Fork Shaft	
24	24752B	2	Decal, Carriage Safety	
25	P21175	1	45, Elbow, Swivel	
26	35420A	1	Adapter, Special	
27	38114A	1	Orifice	
28	P18943	1	45, Elbow, JIC - Pipe	
29	N.L.A	1	Cylinder, Tilting Carriage w/Pipe Thread Ports (See TILTING CARRIAGE CYLINDER ASSEMBLY for Breakdown) (Note: For Replacement, Order Cylinder Replacement Kit 66336B (Includes Items 2-4, 9))	
Ref	38568B	-	Pallet Fork, 42in x 5in x 2in	
Ref	39893B	-	Pallet Fork, 42in x 4in x 2 1/4in	
Ref	38569B	-	Pallet Fork, 48in x 5in x 2in	
Ref	39894B	-	Pallet Fork, 48in x 4in x 2 1/4in	
Ref	38570B	-	Pallet Fork, 60in x 5in x 2in	
Ref	39895B	-	Pallet Fork, 60in x 4in x 2 1/4in	
Ref	38118B	-	Cubing Fork, 48in x 2in x 2in	
Ref	39094B	-	Lumber Fork, 48in x 7in x 1 3/4in	
Ref	39095B	-	Lumber Fork, 60in x 7in x 1 3/4in	

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FIGURE 11-7. FRAMERS TILTING FORK CARRIAGE ASSEMBLY, MODEL 8T74 (644B-37,644B-42,844C-42) (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 844C-42 SN 101 to Present)



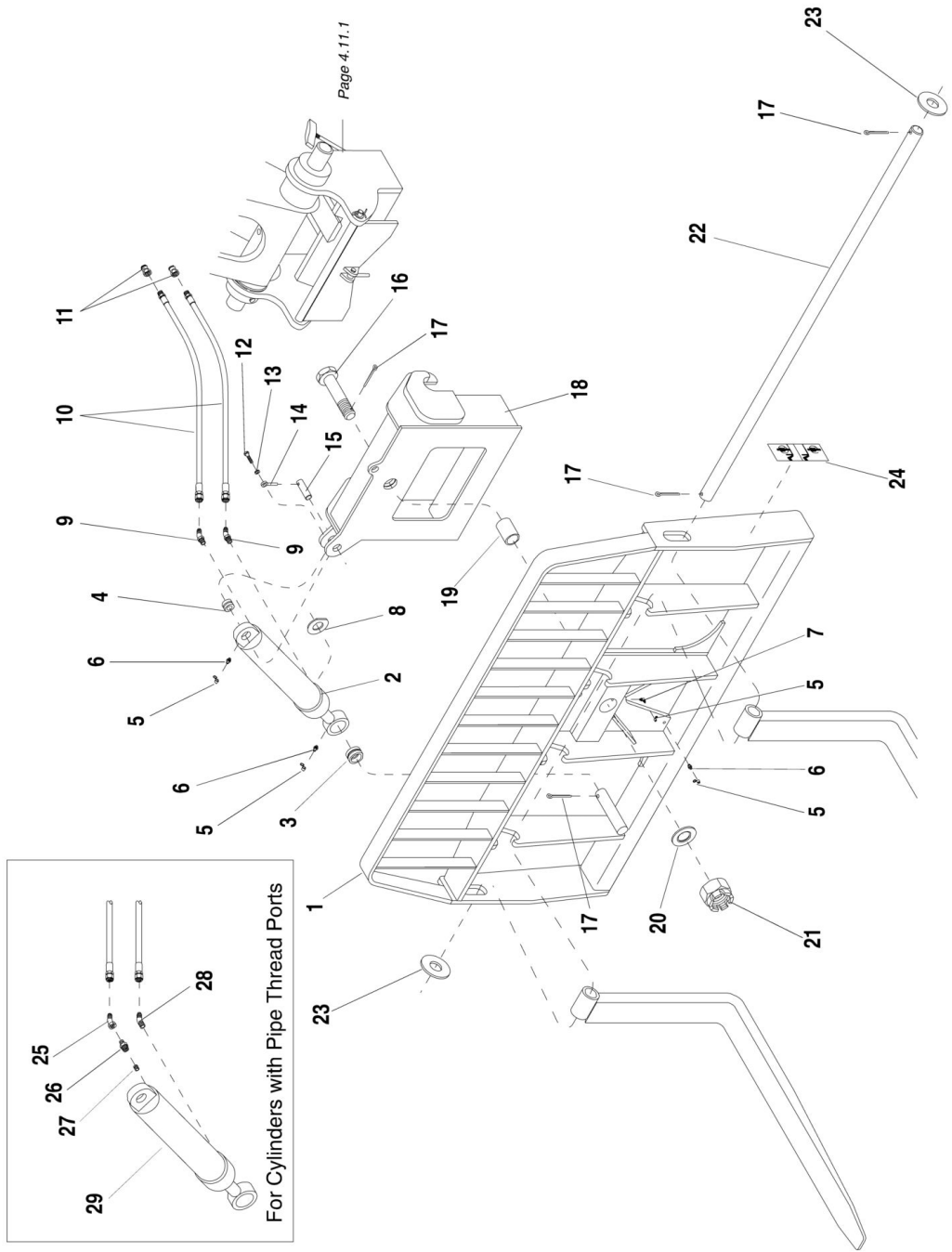
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FIGURE 11-7. FRAMERS TILTING FORK CARRIAGE ASSEMBLY, MODEL 8T74 (644B-37,644B-42,844C-42) (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 844C-42 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
Ref	48003	-	Framers Tilting Fork Carriage Assembly (Includes items 1-23)	
1	38003D	1	Carriage, Framers Tilting	
2	66218B	1	Cylinder, Tilting Carriage w/O-Ring Ports (Replaces Item 28, 34844B) (Includes Items 3 & 4) (See TILTING CARRIAGE CYLINDER ASSEMBLY for Breakdown)	
3	16228A	1	Bushing, Cylinder - Rod End	
4	16227A	1	Bushing, Cylinder - Base End	
5	P32689	5	Cover, Grease Fitting	
6	P16611	4	Grease Fitting	
7	P15337	1	Grease Fitting, 90	
8	16323A	1	Washer, Special	
9	P19815	2	45, Elbow, O-Ring	
10	37863X	2	Hyd Hose, 3/8in x 40in (O-Ring Ends) (Note: For 644B-37 S/N 101 through 1107; 644B-42 101 through 284; 844C-42 101 through 1062 Use Hyd Hose P29796 (Pipe Thread Ends) (Replaces 60in P29256))	
11	P30015	2	Male, Quick Coupler	
11	66136X	-	Male, Quick Coupler, O-Ring	
12	P00403	1	Capscrew, Hx, 1/2in-13 x 1 1/4in	
13	P01312	1	Lockwasher, 1/2in	
14	35707A	1	Lock Pin	
15	38014A	1	Pin, Tilt Cylinder	
16	38065A	1	Pivot Shaft	
17	P03906	4	Cotter Pin, 3/8in x 3in	
18	38004C	1	Inner Carriage	
19	38013A	1	Sleeve, Pivot	
20	38066A	1	Washer, Pivot	
21	37794X	1	Castle Nut, Hx, 2in-12	
22	16207A	1	Fork Shaft	
23	18129A	2	Washer, Fork Shaft	
24	24752B	2	Decal, Carriage Safety	
25	P21175	1	45, Elbow, Swivel	
26	35420A	1	Adapter, Special	
27	38114A	1	Orifice	
28	P18943	1	45, Elbow, JIC - Pipe	
29	N.L.A	1	Cylinder, Tilting Carriage w/Pipe Thread Ports (See TILTING CARRIAGE CYLINDER ASSEMBLY for Breakdown) (Note: For Replacement, Order Cylinder Replacement Kit 66336B (Includes Items 2-4, 9))	
Ref	38026B	-	Pallet Fork, 42in x 4in x 2in	
Ref	38025B	-	Pallet Fork, 48in x 4in x 2in	
Ref	38117B	-	Pallet Fork, 60in x 4in x 2in	
Ref	38118B	-	Cubing Fork, 48in x 2in x 2in	
Ref	17103B	-	Lumber Fork, 48in x 6in x 1 1/2in	
Ref	23610B	-	Lumber Fork, 60in x 6in x 1 1/2in	

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FIGURE 11-8. FRAMERS TILTING FORK CARRIAGE ASSEMBLY, MODEL 10T74 (1044C-42,1044C-54)
(1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present)



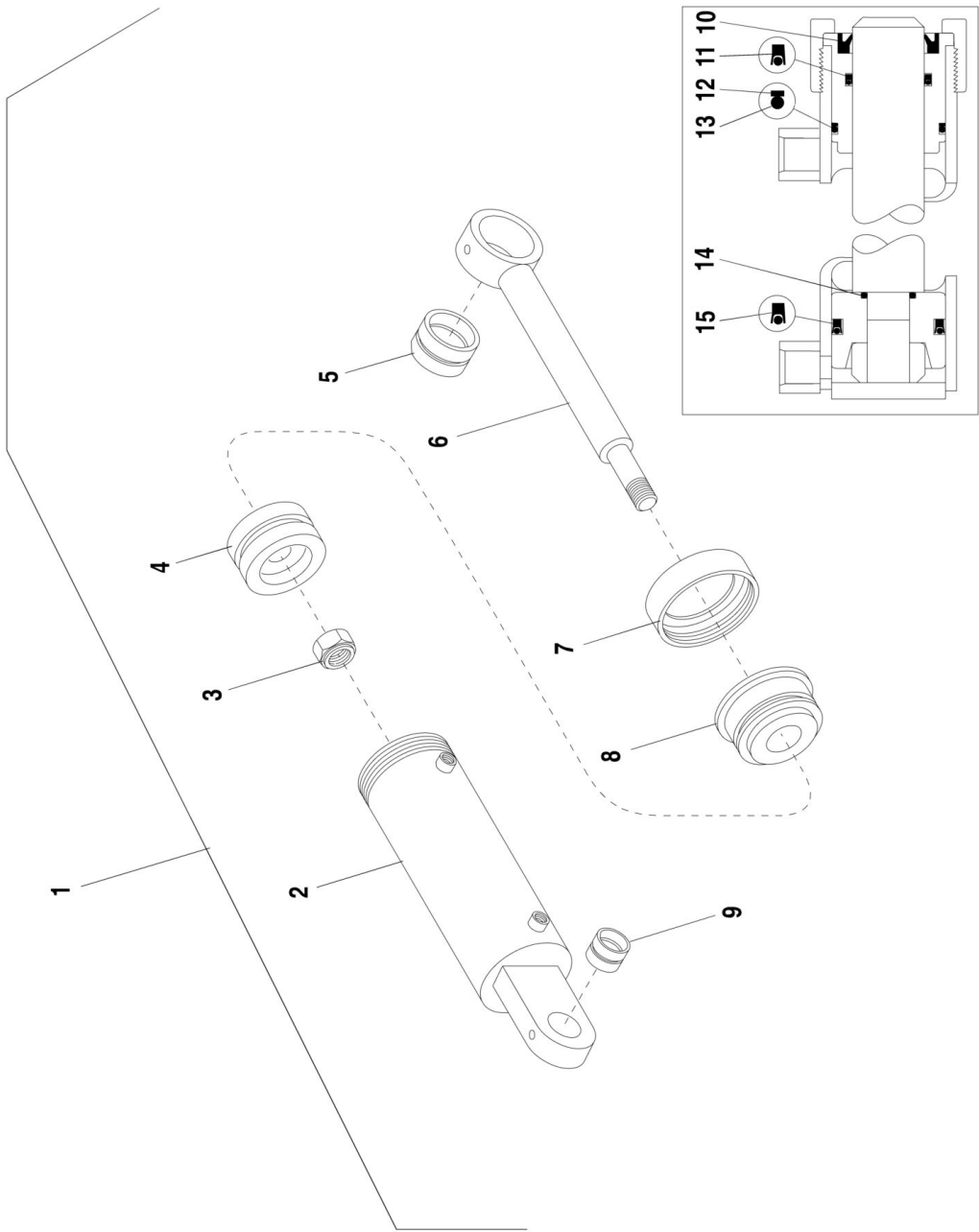
SECTION 11 - ATTACHMENTS

**FIGURE 11-8. FRAMERS TILTING FORK CARRIAGE ASSEMBLY, MODEL 10T74 (1044C-42,1044C-54)
(1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
Ref	48043	-	Framers Tilting Fork Carriage Assembly (Includes items 1-23)	
1	38003D	1	Carriage, Framers Tilting	
2	66218B	1	Cylinder, Tilting Carriage w/O-Ring Ports (Replaces Item 28, 34844B) (Includes Items 3 & 4) (See TILTING CARRIAGE CYLINDER ASSEMBLY for Breakdown)	
3	16228A	1	Bushing, Cylinder - Rod End	
4	16227A	1	Bushing, Cylinder - Base End	
5	P32689	5	Cover, Grease Fitting	
6	P16611	4	Grease Fitting	
7	P15337	1	Grease Fitting, 90	
8	16323A	1	Washer, Special	
9	P19815	2	45, Elbow, O-Ring	
10	37863X	2	Hyd Hose, 3/8in x 40in (O-Ring Ends) (Note: For 1044C-42 101 through 123 & 1044C-54 101 through 274 Use Hyd Hose P29796 (Pipe Thread Ends)(Replaces 60in P29256))	
11	P30015	2	Male, Quick Coupler	
11	66136X	-	Male, Quick Coupler, O-Ring	
12	P00403	1	Capscrew, Hx, 1/2in-13 x 1 1/4in	
13	P01312	1	Lockwasher, 1/2in	
14	35707A	1	Lock Pin	
15	38014A	1	Pin, Tilt Cylinder	
16	38065A	1	Pivot Shaft	
17	P03906	4	Cotter Pin, 3/8in x 3in	
18	38004C	1	Inner Carriage	
19	38013A	1	Sleeve, Pivot	
20	38066A	1	Washer, Pivot	
21	37794X	1	Castle Nut, Hx, 2in-12	
22	24495A	1	Fork Shaft	
23	18129A	2	Washer, Fork Shaft	
24	24752B	2	Decal, Carriage Safety	
25	P21175	1	45, Elbow, Swivel	
26	35420A	1	Adapter, Special	
27	38114A	1	Orifice	
28	P18943	1	45, Elbow, JIC - Pipe	
29	N.L.A	1	Cylinder, Tilting Carriage w/Pipe Thread Ports (See TILTING CARRIAGE CYLINDER ASSEMBLY for Breakdown) (Note: For Replacement, Order Cylinder Replacement Kit 66336B (Includes Items 2-4, 9))	
Ref	38568B	-	Pallet Fork, 42in x 5in x 2in	
Ref	39893B	-	Pallet Fork, 42in x 4in x 2 1/4in	
Ref	38569B	-	Pallet Fork, 48in x 5in x 2in	
Ref	39894B	-	Pallet Fork, 48in x 4in x 2 1/4in	
Ref	38570B	-	Pallet Fork, 60in x 5in x 2in	
Ref	39895B	-	Pallet Fork, 60in x 4in x 2 1/4in	
Ref	38118B	-	Cubing Fork, 48in x 2in x 2in	
Ref	39094B	-	Lumber Fork, 48in x 7in x 1 3/4in	
Ref	39095B	-	Lumber Fork, 60in x 7in x 1 3/4in	

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FIGURE 11-9. TILTING CARRIAGE CYLINDER ASSEMBLY (1044C-42,1044C-54,644B-37,644B-42,844C-42) (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present)



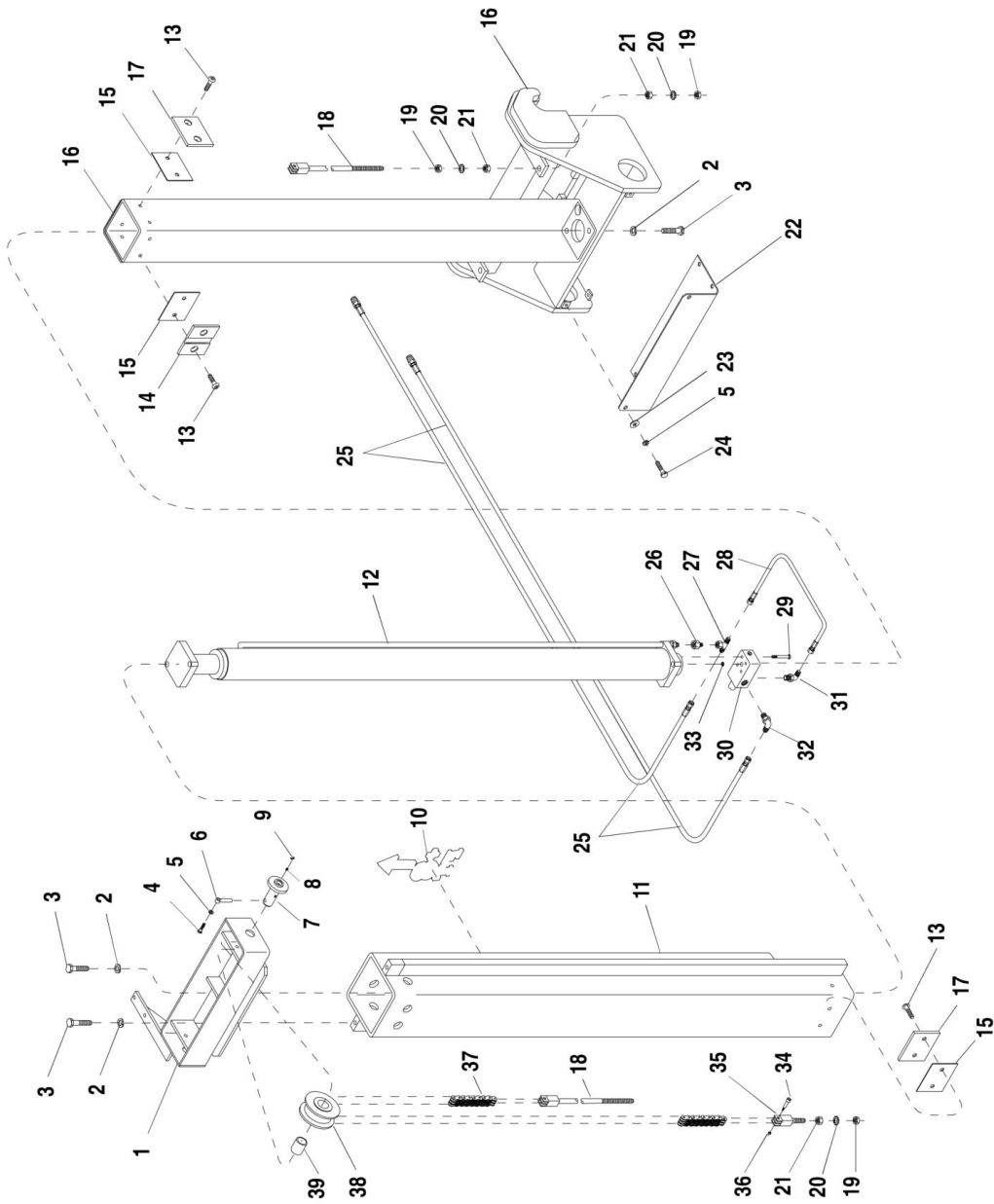
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FIGURE 11-9. TILTING CARRIAGE CYLINDER ASSEMBLY (1044C-42,1044C-54,644B-37,644B-42,844C-42) (644B-37 SN 101 to Present; 644B-42 SN 101 to Present; 844C-42 SN 101 to Present; 1044C-42 SN 101 to Present; 1044C-54 SN 101 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	66218B	-	Cylinder Assembly, Tilting Carriage	
1	N.L.A	-	Cylinder Assembly, Tilting Carriage (34844B) (Pipe Thread Ports)	
2	37652X	1	Barrel Weldment (for 66218B tilt cylinder)	
2	P25293	-	Barrel Weldment (for 34844B tilt cylinder)	
3	P19217	1	Locknut	
4	37051X	1	Piston (Replaces P19224)	
5	16228A	1	Bushing	
6	P25297	1	Rod Weldment	
7	P23778	1	Retainer, Rod Bearing	
8	P23788	1	Rod Bearing	
9	16227A	1	Bushing	
10	N.S.S.	1	Wiper	
11	N.S.S.	1	Seal	
12	N.S.S.	1	Back Up Ring	
13	N.S.S.	1	O-Ring	
14	N.S.S.	1	O-Ring	
15	N.S.S.	1	Piston Seal	
Ref	37050X	1	Seal Kit (Replaces P20119) (Includes Items 10-15)	
		Ref	N.S.S. = Not Sold Separately.	

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FIGURE 11-10. TOWER ASSEMBLY



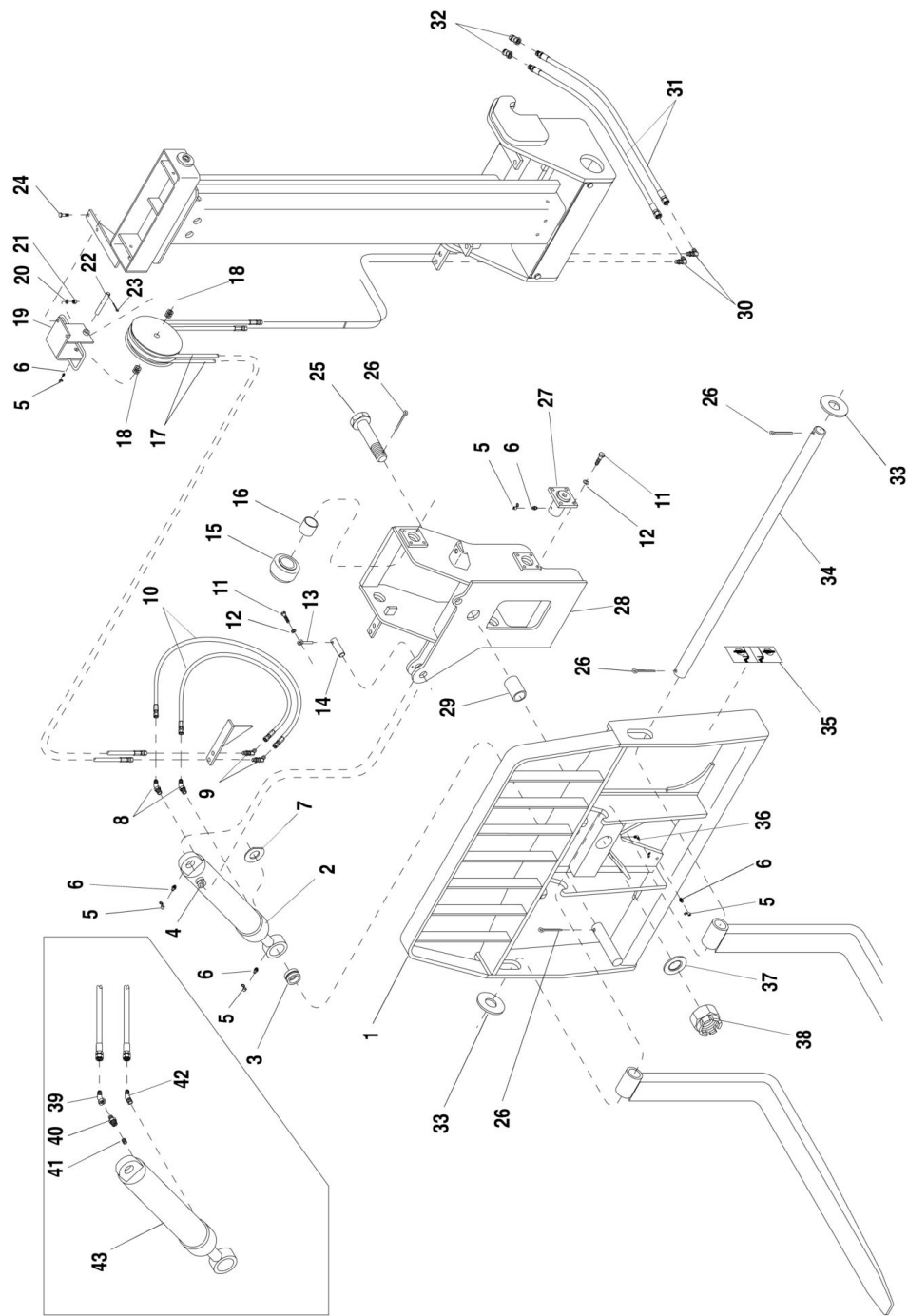
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FIGURE 11-10. TOWER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	26137C	1	Housing, Pulley	
2	P01314	6	Lockwasher, 5/8in	
3	P00603	6	Capscrew, Hx, 5/8in-11 x 1 3/4in	
4	P00203	2	Capscrew, Hx, 3/8in-16 x 7/8in	
5	P01310	8	Lockwasher, 3/8in	
6	26161A	2	Lock Pin	
7	26134A	2	Weldment, Pin, Chain Pulley	
8	P16611	2	Grease Fitting 1/4in-28 Str	
9	P32689	2	Cover, Grease Fitting	
10	39382B	1	Decal, 8ft Tower	
11	38860D	1	Weldment, Outer Tube	
12	34833B	1	Cylinder, Tower (See TOWER QUICK ATTACH LOCK PLATE ASSEMBLY for Breakdown)	
13	P03115	16	Capscrew, Flat Hd Socket, 1/2-13 x 1in	
14	P28504	1	Slide Pad, Grooved, Tower	
15	26152A-001	AR	Shim, Tower, 10 GA	
15	26152A-002	AR	Shim, Tower, 14 GA	
15	26152A-003	AR	Shim, Tower, 20 GA	
16	38852D	1	Frame, Upright Assembly	
17	P28503	7	Slide Pad, Tower	
18	26141B	2	Chain Anchor	
19	P01585	6	Jam Nut, Hx, 5/8in-18	
20	P01363	6	Starwasher, 5/8in	
21	P01535	6	Nut Hx, 5/8in-18	
22	39047B	1	Plate, Cover	
23	P01404	6	Flatwasher, 3/8in	
24	P00204	6	Capscrew, Hx, 3/8in-16 x 1in	
25	37866X	2	Hyd Hose, 3/8in x 60in	
26	P26605	1	Swivel Reducer	
27	P19845	1	Adaptor, Swivel Tee, Branch	
28	P21617	1	Hyd Hose, 1/4in x 14in	
29	P01790	4	Capscrew, Hx, 5/16in-18 x 2in	
30	P26324	1	Valve, Counter Balance with By-Pass	
31	P19724	1	90, Elbow, O-Ring to JIC	
32	P21919	1	90, Elbow, O-Ring	
33	P29927	1	Disc, Orifice (Note: Used in Early Production)	
34	P27971	4	Shoulder Bolt, 5/16in-20 x 1in	
35	15055B	2	Anchor, Chain	
36	P01506	4	Locknut, Hx, 1/4in-20	
37	38898A	2	Lift Chain, 8ft Tower	
38	14979B	2	Pulley	
39	P20365	2	Bushing	

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FIGURE 11-11. CARRIAGE ASSEMBLY, TOWER, TILTING



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FIGURE 11-11. CARRIAGE ASSEMBLY, TOWER, TILTING

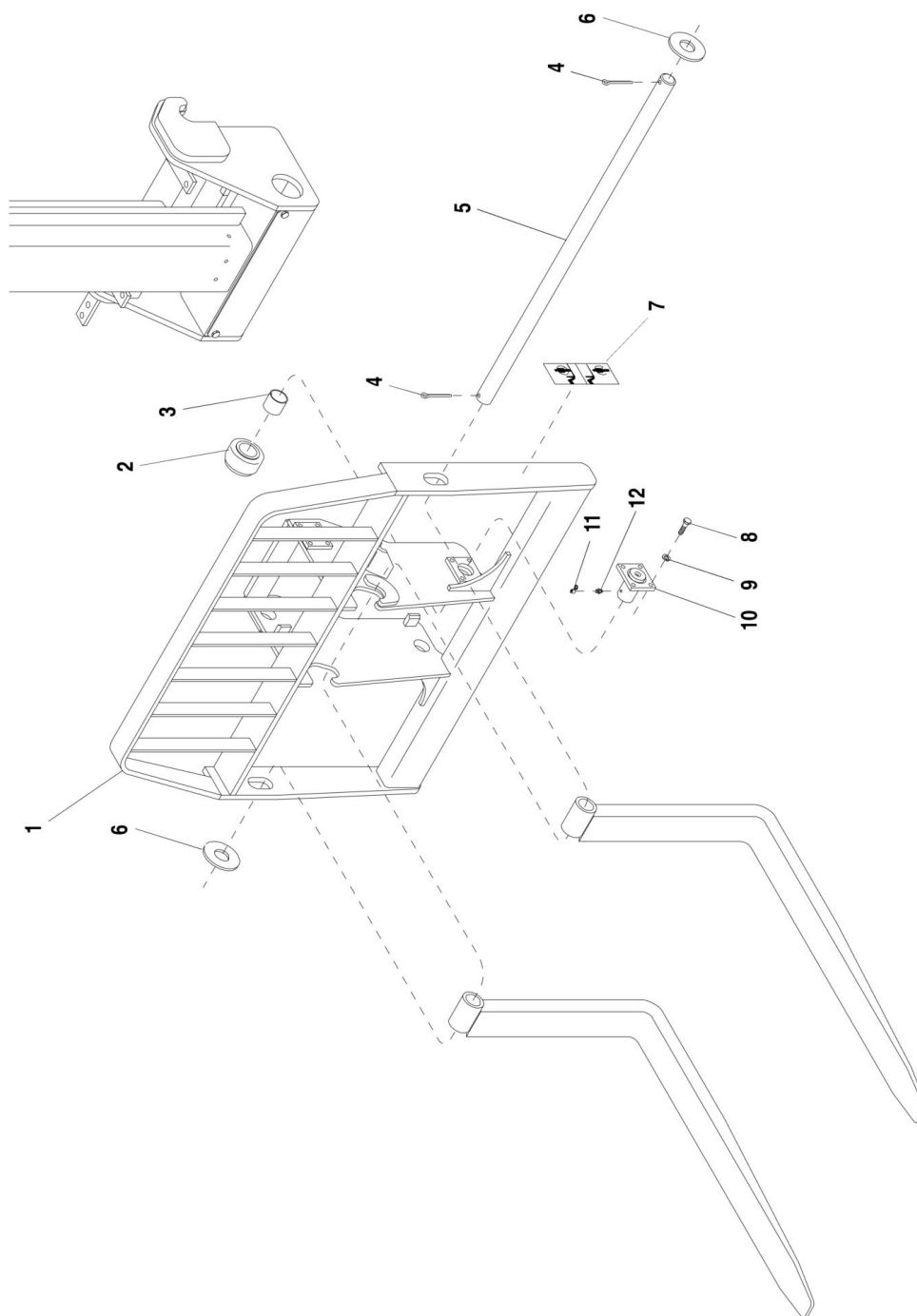
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	38002D	1	Carriage, Standard Tilting	
2	66218B	1	Cylinder, Tilting Carriage (Replaces 34844B) (Includes Items 3 & 4) (See TILTING CARRIAGE CYLINDER ASSEMBLY for Breakdown)	
3	16228A	1	Bushing, Cylinder - Rod End	
4	16227A	1	Bushing, Cylinder - Base End	
5	P32689	9	Cover, Grease Fitting	
6	P16611	8	Grease Fitting	
7	16323A	1	Washer, Special	
8	P19815	2	45, Elbow, O-Ring	
9	P18947	2	45, Elbow, Bulkhead	
10	36590X	2	Hyd Hose, 3/8in x 21	
11	P00403	17	Capscrew, Hx, 1/2in-13 x 1 1/4in	
12	P01312	17	Lockwasher, 1/2in	
13	35707A	1	Lock Pin	
14	38014A	1	Pin, Tilt Cylinder	
15	26150B	4	Roller, Tower	
16	P19110	4	Bushing, Tower Roller	
17	37535X	2	Hyd Hose, 3/8in x 125	
18	P01408	6	Flatwasher, 5/16in	
19	16114B	1	Support, Sheave	
20	P01310	2	Lockwasher, 3/8in	
21	P01508	2	Nut, Hx, 3/8in-16	
22	16117A	1	Shaft, Sheave	
23	P03840	1	Pin, Cotter 1/8in x 1-1/2in	
24	P00204	2	Capscrew, Hx, 3/8in-16 x 1in	
25	38065A	1	Pivot Shaft	
26	P03906	4	Cotter Pin, 3/8in x 3in	
27	26146B	4	Pin, Tower Roller	
28	38873D	1	Carriage, Inner	
29	38013A	1	Sleeve, Pivot	
30	P18931	2	90, Elbow, Bulkhead	
31	37534X	2	Hyd Hose, 3/8in x 27	
32	P30015	2	Male, Quick Coupler, N.P.T.	
32	66136X	-	Male, Quick Coupler, O-Ring	
33	18129A	2	Washer, Fork Shaft	
34	38064A	1	Fork Shaft	
35	24752B	1	Decal, Carriage Safety	
36	P15337	1	Grease Fitting, 90	
37	38066A	1	Washer, Pivot	
38	37794X	1	Castle Nut, Hx, 2in-12	
39	P21175	1	45, Elbow, Swivel	
40	35420A	1	Adapter, Special	
41	38114A	1	Orifice	
42	P18943	1	45, Elbow, JIC - Pipe	
43	66336B	1	Cylinder Replacement kit (Includes Items 2-4, 9)	
44	16115B	1	Hose Sheave, (shown but not pointed out)	
Ref	38026B	-	Pallet Fork, 42in x 4in x 2in	
Ref	38025B	-	Pallet Fork, 48in x 4in x 2in	
Ref	38117B	-	Pallet Fork, 60in x 4in x 2in	
Ref	38118B	-	Cubing Fork, 48in x 2in x 2in	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
Ref	17103B	-	Lumber Fork, 48in x 6in x 1 1/2in	

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FIGURE 11-12. CARRIAGE ASSEMBLY TOWER (NON-TILT)



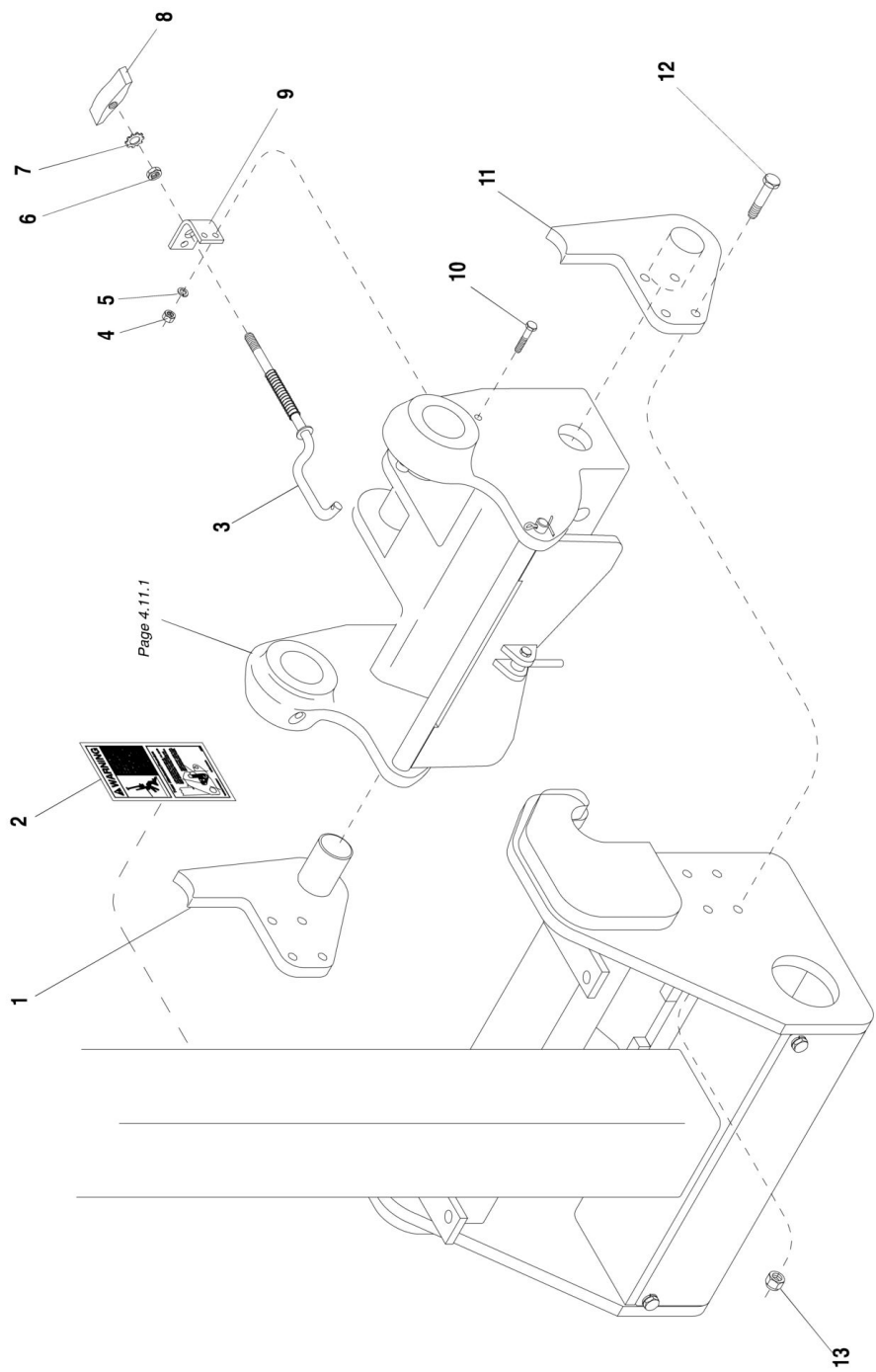
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FIGURE 11-12. CARRIAGE ASSEMBLY TOWER (NON-TILT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	38899D	1	Carriage, Tower, Standard (Non Tilting)	
2	26150B	4	Roller, Tower	
3	P19110	4	Bushing, Tower Roller	
4	P03906	2	Cotter Pin, 3/8in x 3in	
5	38064A	1	Fork Shaft	
6	18129A	2	Washer, Fork Shaft	
7	24752B	1	Decal, Carriage Safety	
8	P00403	17	Capscrew, Hx, 1/2in-13 x 1 1/4in	
9	P01312	17	Lockwasher, 1/2in	
10	26146B	4	Pin, Tower Roller	
11	P32689	9	Cover, Grease Fitting	
12	P16611	8	Grease Fitting	
Ref	38026B	-	Pallet Fork, 42in x 4in x 2in	
Ref	38025B	-	Pallet Fork, 48in x 4in x 2in	
Ref	38117B	-	Pallet Fork, 60in x 4in x 2in	
Ref	38118B	-	Cubing Fork, 48in x 2in x 2in	
Ref	17103B	-	Lumber Fork, 48in x 6in x 1 1/2in	

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FIGURE 11-13. TOWER QUICK ATTACH LOCK PLATE ASSEMBLY



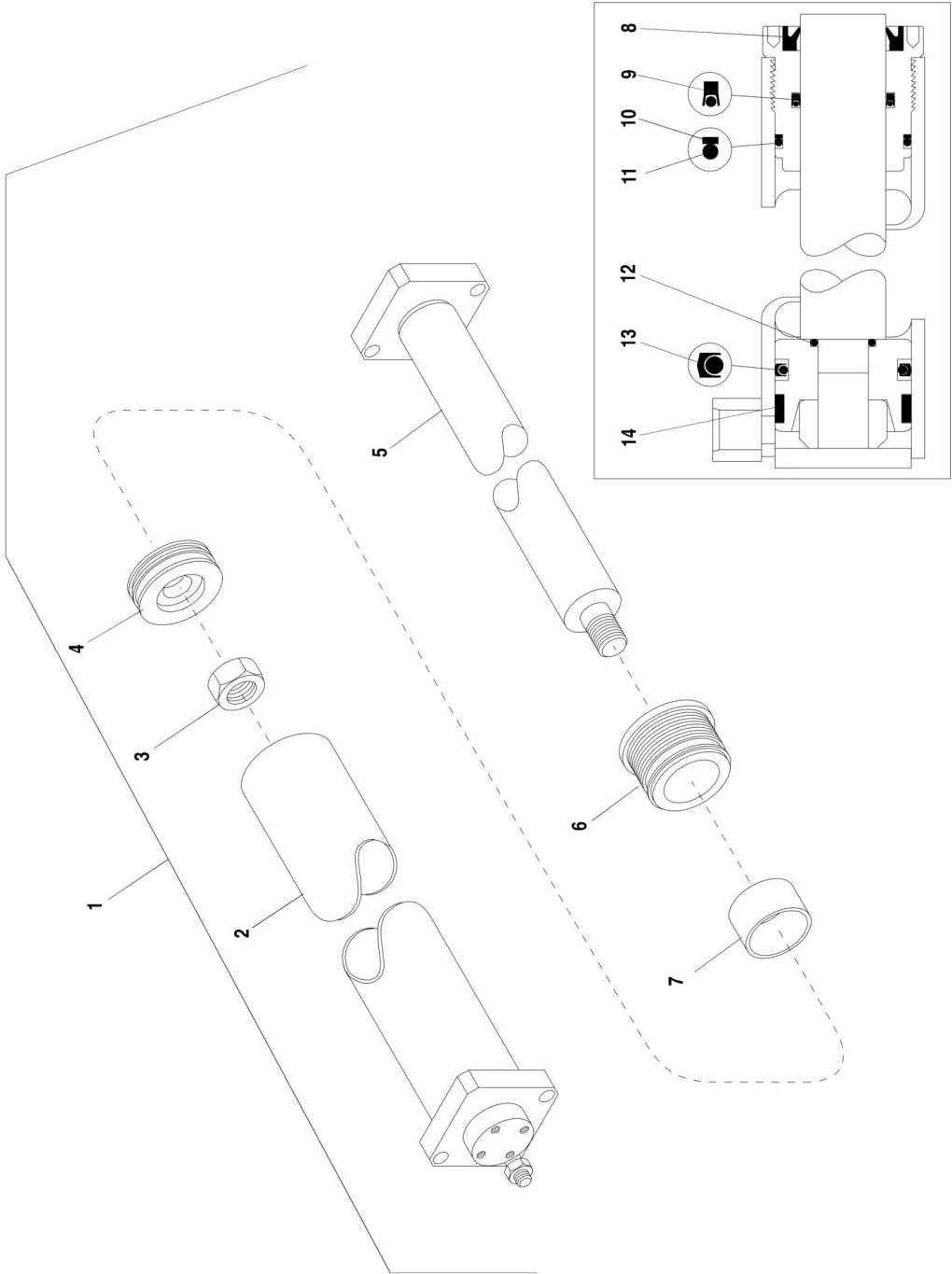
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FIGURE 11-13. TOWER QUICK ATTACH LOCK PLATE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	68446B	1	Weldment, Lock Plate, R.H.	
2	68500B	1	Decal, Tower/Quick Attach Warning	
3	67060A	1	Release Rod with Spring	
4	P01200	2	Nut, Hx, 1/4in-20	
5	P01308	2	Lockwasher, 1/4in	
6	P01560	1	Jam Nut, Hx, 1/2in-13	
7	P01361	2	Starwasher, 1/2in	
8	37103X	1	Handle, Release	
9	10167213	1	Rod Support	
10	P00008	2	Capscrew, Hx, 1/4in-20 x 1 3/4in	
11	68442B	1	Weldment, Lock Plate, L.H.	
12	P00408	8	Capscrew, Hx, 1/2in-13 x 1 1/2in	
13	67572X	8	Locknut, Flex, Hx, 1/2in-13	

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FIGURE 11-14. TOWER CYLINDER ASSEMBLY



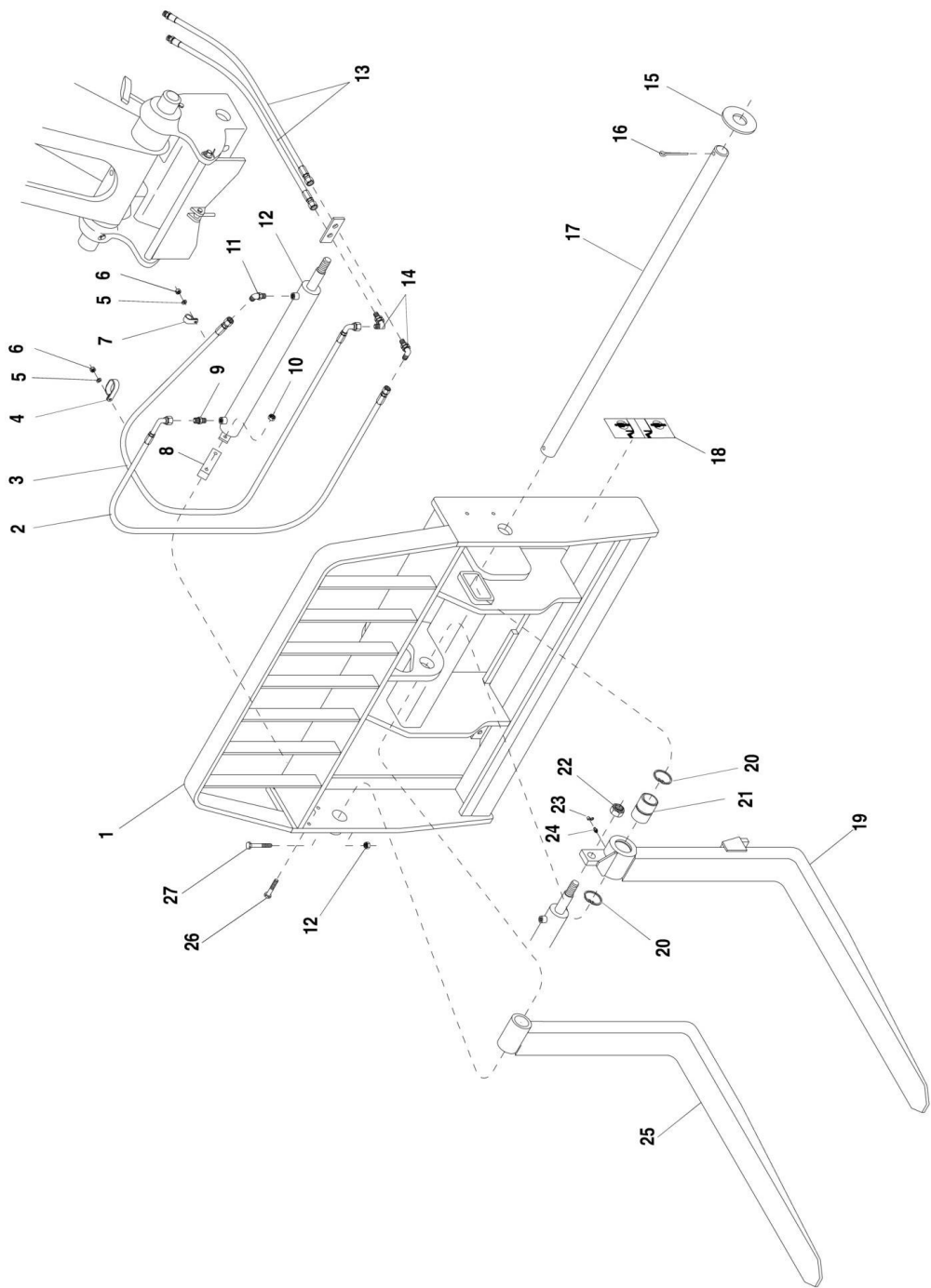
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FIGURE 11-14. TOWER CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	34833B	-	Cylinder Assembly, Tower	
2	P32242	1	Barrel Weldment	
3	P19217	1	Locknut	
4	P33799	1	Piston	
5	P32321	1	Rod Weldment	
6	P32332	1	End Gland	
7	P23343	1	Stroke Block	
8	N.S.S.	1	Wiper	
9	N.S.S.	1	Seal	
10	N.S.S.	1	Back-Up Ring	
11	N.S.S.	1	O-Ring	
12	N.S.S.	1	O-Ring	
13	N.S.S.	1	Piston Seal	
14	N.S.S.	1	Wear Ring	
Ref	P32311	1	Seal Kit (Includes Items 8-14)	
		Ref	N.S.S. = Not Sold Separately.	

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FIGURE 11-15. CARRIAGE ASSEMBLY SINGLE FORK POSITIONING



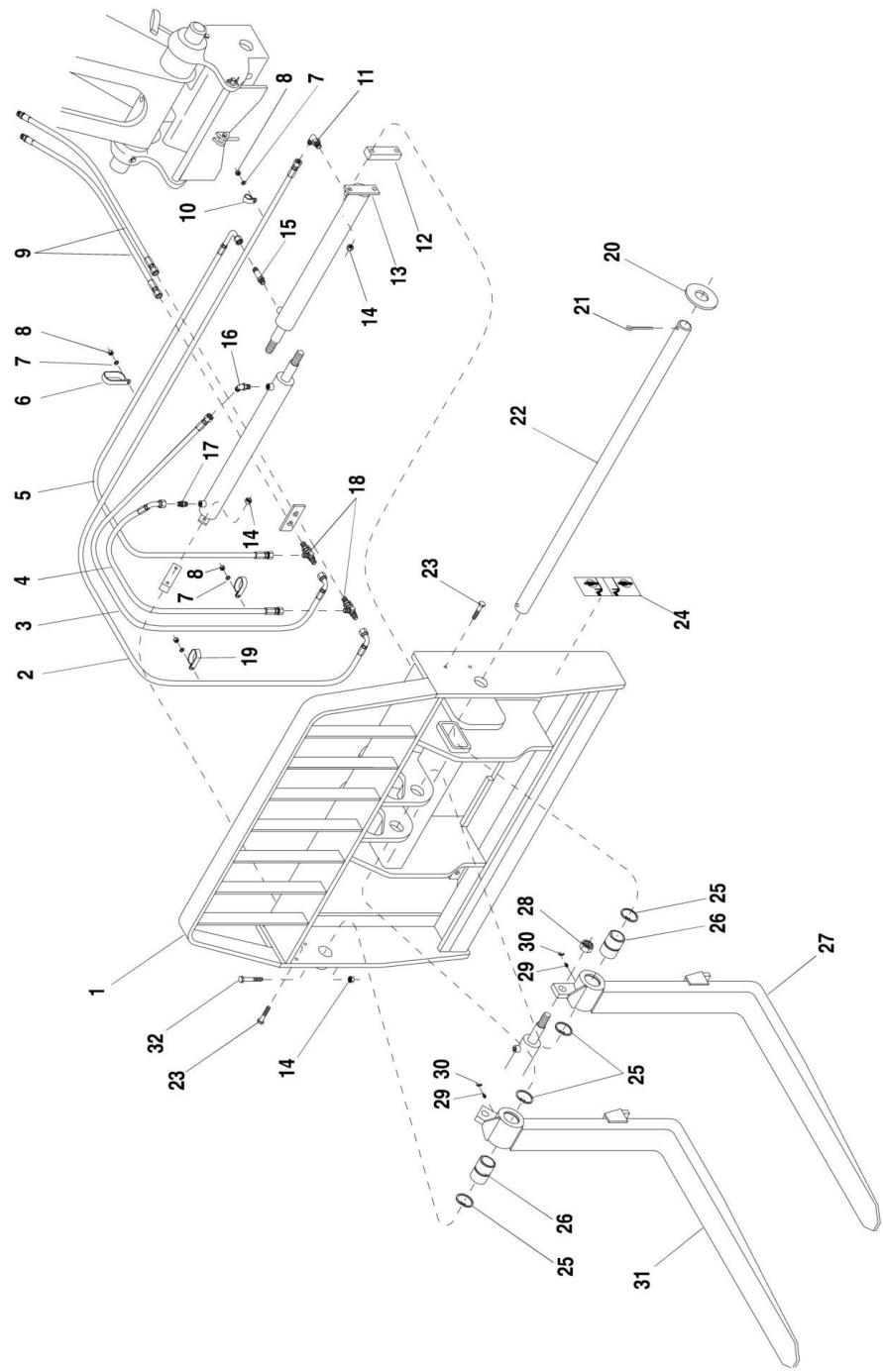
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FIGURE 11-15. CARRIAGE ASSEMBLY SINGLE FORK POSITIONING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	38484D	1	Carriage Assembly	
2	37518X	1	Hyd Hose, 3/8in x 34in	
3	P30590	1	Hyd Hose, 3/8in x 56in	
4	P17810	1	Hose Clamp	
5	P01309	4	Lockwasher, 5/16in	
6	P01201	4	Nut, Hx, 5/16in-18 GR8	
7	P17553	1	Hose Clamp	
8	38493A	2	Spacer	
9	P18936	1	Connector, O-Ring	
10	P05004	4	Locknut Hx, 1/2in-13 GR C	
11	P19815	1	45, Elbow, O-Ring	
12	38500B	2	Cylinder (See FORK POSITIONING CYLINDER ASSEMBLY for Breakdown)	
13	P29796	2	Hyd Hose, 3/8in x 40in (Replaces P29256 60in Hose)	
14	P18931	1	90, Elbow, O-Ring	
15	18129A	2	Washer, Fork Shaft	
16	P03906	2	Pin, Cotter, 3/8in x 3in	
17	38499A	1	Fork Shaft	
18	24752B	2	Decal, Carriage Safety	
19	38502C	1	Pallet Fork, 42in L.H.	
19	39345C	1	Pallet Fork, 48in L.H.	
20	P27322	4	Snpring, Internal	
21	31998A	2	Bushing	
22	P05034	2	Locknut, Hx, 1 1/4in GR C	
23	P32689	2	Cover, Grease Fitting	
24	P16611	2	Grease Fitting	
25	38026B	1	Pallet Fork, 42in R.H.	
25	38025B	1	Pallet Fork, 48in R.H.	
26	P00409	4	Capscrew, Hx, 1/2in-13 x 2 3/4in	
27	P00410	4	Capscrew, Hx, 1/2in-13 x 3in	

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FIGURE 11-16. CARRIAGE ASSEMBLY DUAL FORK POSITIONING



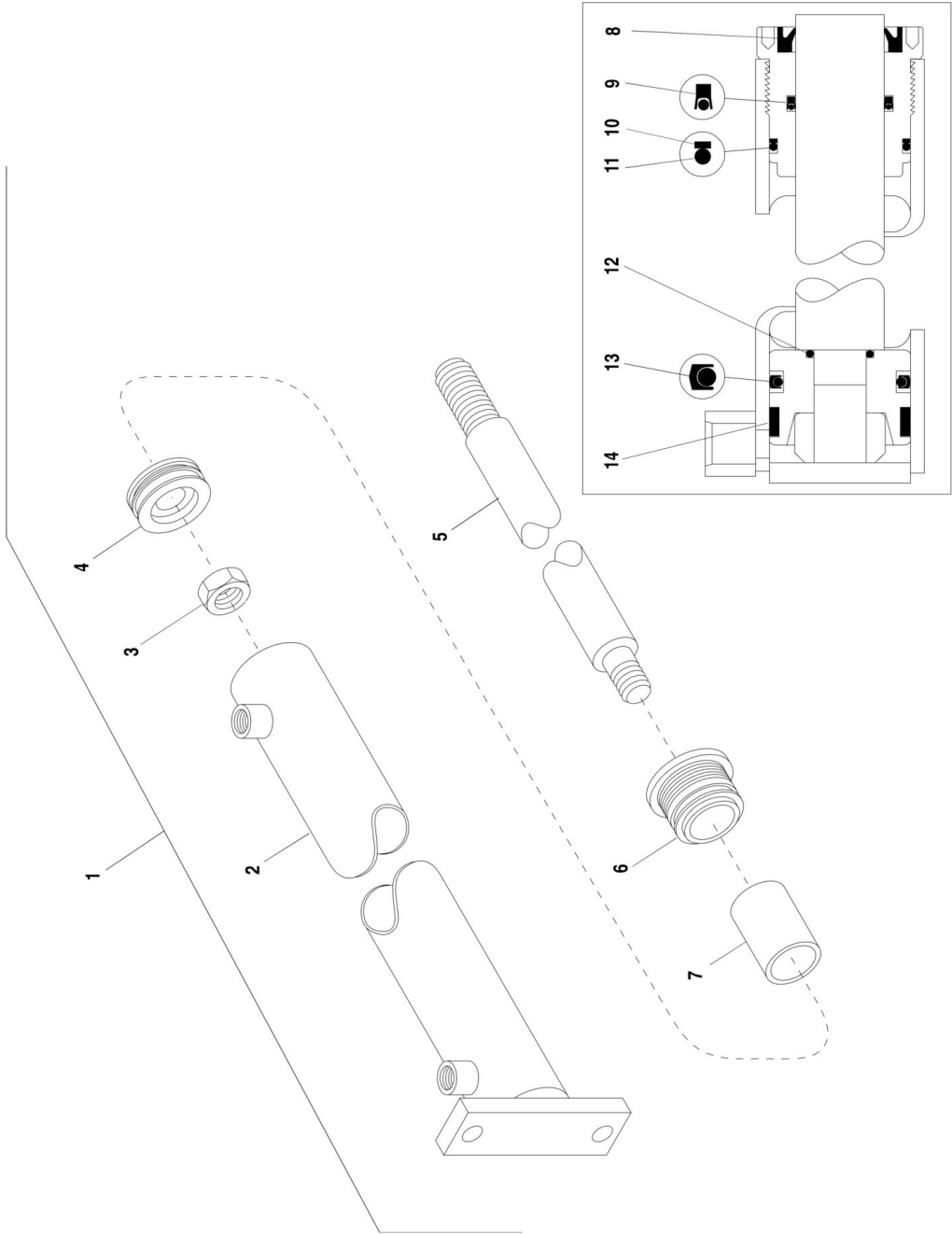
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FIGURE 11-16. CARRIAGE ASSEMBLY DUAL FORK POSITIONING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	38484D	1	Carriage Assembly	
2	37517X	1	Hyd Hose, 3/8in x 77in	
3	P30590	1	Hyd Hose, 3/8in x 56in	
4	37518X	1	Hyd Hose, 3/8in x 34in	
5	37519X	1	Hyd Hose, 3/8in x 30in	
6	P17810	1	Hose Clamp	
7	P01309	4	Lockwasher, 5/16in	
8	P01201	4	Nut, Hx, 5/16in-18 GR 8	
9	P29796	2	Hyd Hose, 3/8in x 40in (Replaces P29256 60in Hose)	
10	P17553	1	Hose Clamp	
11	P18935	1	90, Elbow, O-Ring	
12	38493A	2	Spacer	
13	38500B	2	Cylinder (See FORK POSITIONING CYLINDER ASSEMBLY for Breakdown)	
14	P05004	4	Locknut Hx, 1/2in-13 GR C	
15	P24653	1	Connector, Long, O-Ring	
16	P19815	1	45, Elbow, O-Ring	
17	P18936	1	Connector, O-Ring	
18	P25302	2	Tee, Bulkhead	
19	P17810	1	Hose Clamp	
20	18129A	2	Washer, Fork Shaft	
21	P03906	2	Pin, Cotter, 3/8in x 3in	
22	38499A	1	Fork Shaft	
23	P00409	4	Capscrew, Hx, 1/2in-13 x 2 3/4in	
24	24752B	2	Decal, Carriage Safety	
25	P27322	4	Snapping, Internal	
26	31998A	2	Bushing	
27	38502C	1	Pallet Fork 42in L.H.	
27	39345C	1	Pallet Fork, 48in L.H.	
28	P05034	2	Locknut, Hx, 1 1/4in GR C	
29	P16611	2	Grease Fitting	
30	P32689	2	Cover, Grease Fitting	
31	38503C	1	Pallet Fork 42in R.H.	
31	39346C	1	Pallet Fork, 48in R.H.	
32	P00410	4	Capscrew, Hx, 1/2in-13 x 3in	

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FIGURE 11-17. FORK POSITIONING CYLINDER ASSEMBLY



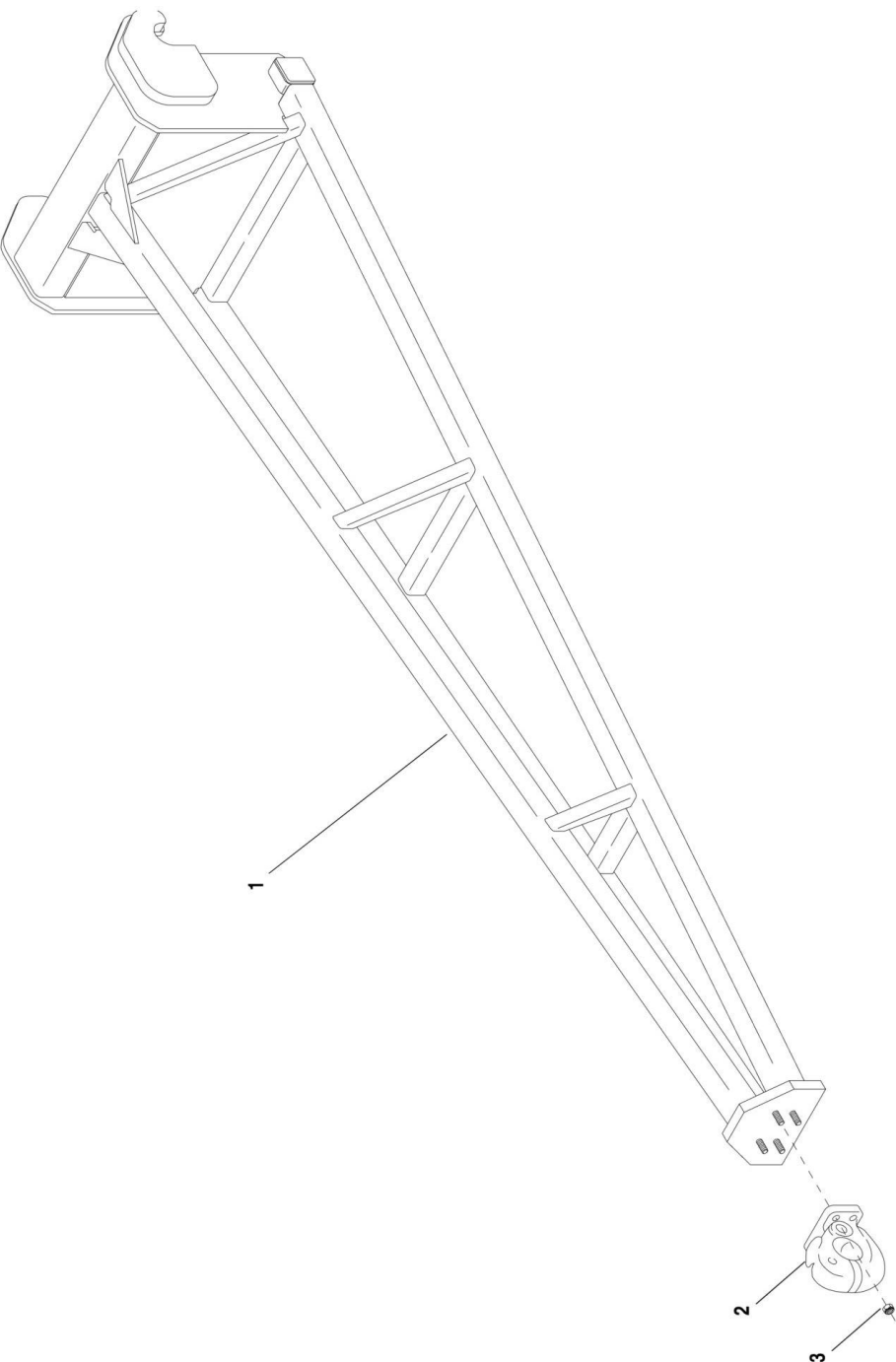
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FIGURE 11-17. FORK POSITIONING CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	38500B	-	Cylinder Assembly, Fork Positioning	
2	P32238	1	Barrel Weldment	
3	P25290	1	Locknut	
4	P32360	1	Piston	
5	P32355	1	Rod Weldment	
6	P32356	1	End Gland	
7	P32340	1	Stroke Block	
8	N.S.S.	1	Wiper	
9	N.S.S.	1	Seal	
10	N.S.S.	1	Back-Up Ring	
11	N.S.S.	1	O-Ring	
12	N.S.S.	1	O-Ring	
13	N.S.S.	1	Piston Seal	
14	N.S.S.	1	Wear Ring	
Ref	P32371	1	Seal Kit (Includes Items 8-14)	
		Ref	N.S.S. = Not Sold Separately.	

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FIGURE 11-18. TRUSS BOOM ASSEMBLY, MODEL 2TB10



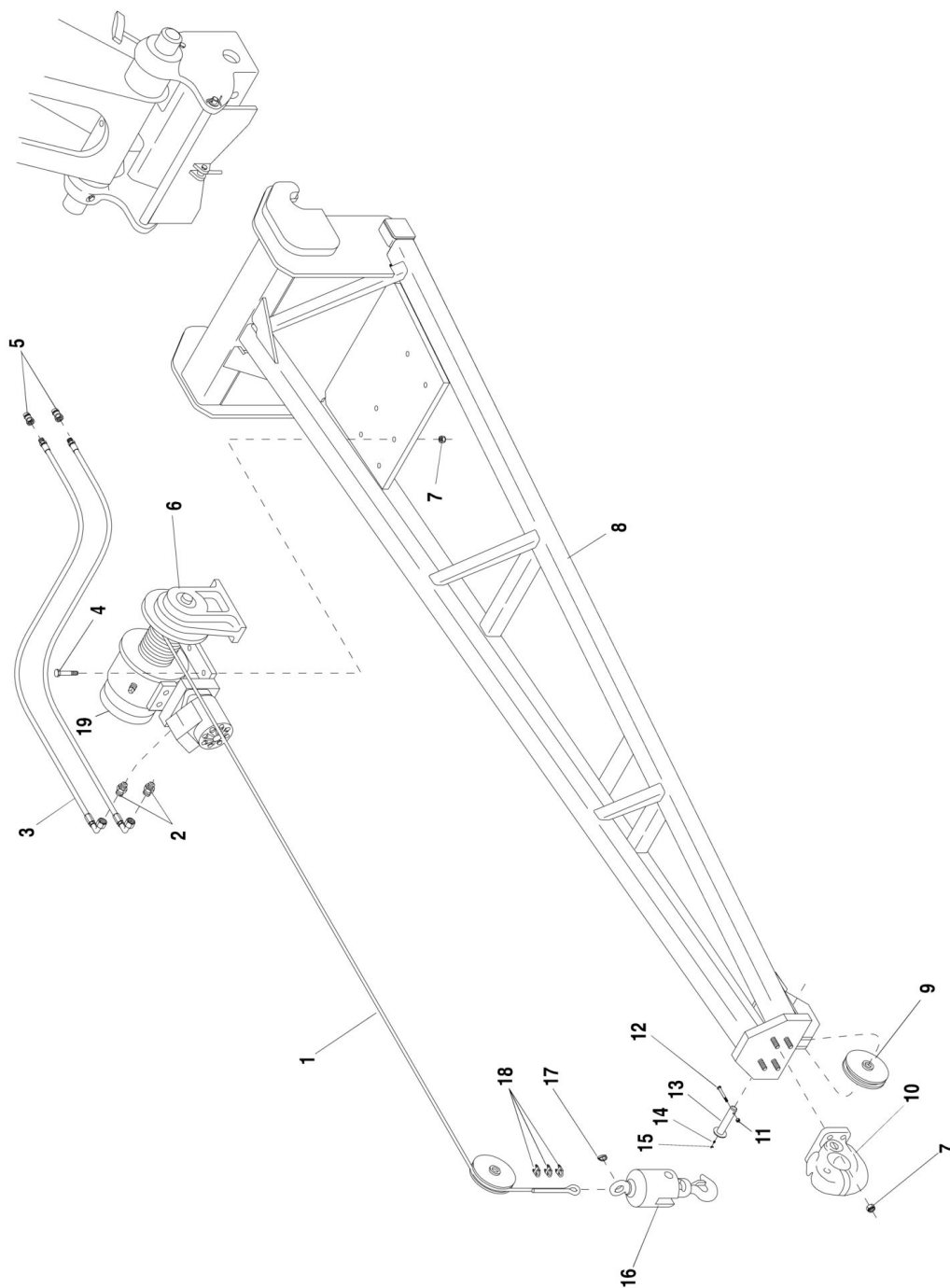
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FIGURE 11-18. TRUSS BOOM ASSEMBLY, MODEL 2TB10

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	10338932	1	Truss Boom Assy, (includes items 2 & 3)	
2	10720906	1	Hook, Pintle	
3	10705029	4	Locknut, Hx, 1/2-20	

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FIGURE 11-19. TRUSS BOOM ASSEMBLY WITH WINCH, MODEL 2TBW10



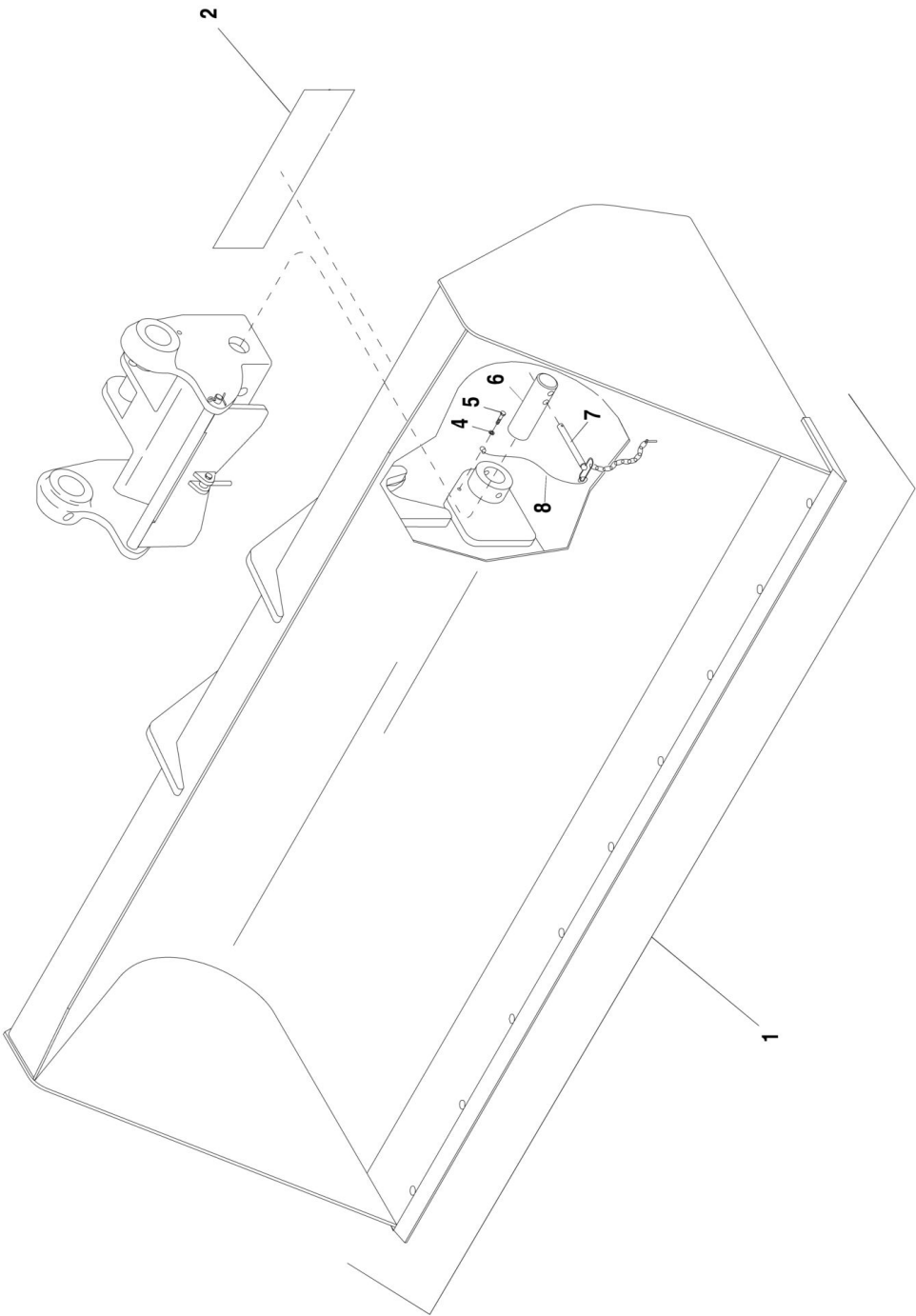
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FIGURE 11-19. TRUSS BOOM ASSEMBLY WITH WINCH, MODEL 2TBW10

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1012355	1	Wire Rope Assembly 3/8in x 75 ft Long	
2	10715406	2	Adapter Str 10MB - 8MJ	
3	10837865	2	Hyd Hose 1/2in x 60in (O-Ring Ends)	
4	10700484	6	Capscrew Hx, 1/2in-20 x 2 1/4in GR8	
5	10730015	2	Male, Quick Coupler	
5	10866136	-	Male, Quick Coupler, O-Ring	
6	10727770	1	Winch, Truss Boom	
7	10705029	10	Locknut, Hx, 1/2-20	
8	10438942	1	Weldment, Truss Boom with Winch	
9	10727327	1	Sheave, Cable	
10	10720906	1	Hook, Pintle	
11	10705000	1	Nut, Hx, 1/4in-20	
12	10700009	1	Capscrew Hx, 1/4in-20 x 2in	
13	10125085	1	Pin	
14	10716611	1	Grease Fitting 1/4in-28, Str	
15	10732689	1	Cover, Grease Fitting	
16	10867585	1	Hook Assembly	
17	10721556	1	Thimble, 3/8in	
18	10721557	3	Wire, Clip, 3/8	
19	70021573	1	Winch Motor	

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FIGURE 11-20. UTILITY BUCKET 1.25 CU. YD.



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FIGURE 11-20. UTILITY BUCKET 1.25 CU. YD.

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1101435	1	Utility Bucket Assembly 1.25 CU YD (Includes Items 2-8)	
2	10339972	1	Decal, Bucket Caution (Apply to bucket)	
3	10239973	1	Decal, Caution (Apply to inside back cover of operators manual) (Note: Not Shown)	
4	10701404	2	Flatwasher, 3/8in	
5	10700202	2	Capscrew, Hx, 3/8-16 x 3/4in	
6	10168505	2	Pin	
7	10867583	2	Pin, Hitch	
8	10867584	2	Cable, Pin Attachment	

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