Illustrated Parts Manual

Models
450A & 450AJ
Series II

SN 0300124000
THROUGH 0300160834

&

SN 1300006000
TO PRESENT

&

SN E300000001
THROUGH E300001114

3121244

July 17, 2018 - Rev U

ANSI

CE

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FIGURE 3-7. ROTATOR ASSEMBLIES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**ROTATOR ASSEMBLIES**	
	0060062	Ref	**Rotator Assemblies 450A Series II**	C
	0060050	Ref	**Rotator Assemblies 450AJ Series II without Arctic Package**	G
	0060096	Ref	**Rotator Assemblies 450AJ Series II With Arctic Package**	A
1	See Note	1	Case/Bracket Weldment (Note: Not Available - Purchase Complete Assembly)	
1A		Ref	Bushing Options: (Top)	
1A	Not Required	0	0060062 Rotator	
1A	0962257	2	0060050 & 0060096 Rotators	
1B		Ref	Bushing Options: (Bottom)	
1B	Not Required	0	0060062 Rotator	
1B	0961947	2	0060050 & 0060096 Rotators	
2		Ref	Shaft Options:	
2	7017162	1	0060062 Rotator	
2	7017140	1	0060050 Rotator	
2	7017162	1	0060096 Rotator	
3		Ref	Sleeve, Piston Options:	
3	7017163	1	0060062 Rotator	
3	7017139	1	0060050 Rotator	
3	7017163	1	0060096 Rotator	
4		Ref	Cap, End Options:	
4	7017164	1	0060062 Rotator	
4	7017148	1	0060050 Rotator	
4	7017164	1	0060096 Rotator	
7	See Note	1	Tie Rod Assembly	
		Ref	**Note: See Platform Support Installation for Components.**	
8	See Note	3	Bolt 1/4in-20NC x 1-1/2 (Grade 8) (Note: Not Available for Purchase)	
9	See Note	1	Seal, Cap (Note: Use Item 51)	
10	See Note	1	Ring, Back-Up Cap (Note: Use Item 51)	
11	See Note	1	Seal, Rod (Note: Use Item 51)	
12	See Note	1	Seal, Piston (Note: Use Item 51)	
13	See Note	2	Packing, Bearing (Note: Use Item 51)	
14	See Note	1	Bearing, Cap (Note: Use Item 52)	
15	See Note	1	Bearing, Shaft (Note: Use Item 52)	
16	See Note	2	Thrustwasher (Note: Use Item 52)	
17	7017172	1	Counterbalance Valve Assembly	
17	7017192	2	Cartridge (No Seal Kit Available)	
18		Ref	Bushing Options:	
18	7017195	2	0060062 Rotator	
18	7017136	2	0060050 Rotator	
18	See Note	2	0060096 Rotator (Note: Not Available for Purchase)	
51		Ref	Seal Kit Options: (Includes Items 9-13)	
51	7017158	1	0060062 Rotator	
51	7017137	1	0060050 Rotator	
51	70000342	1	0060096 Rotator	
52		Ref	Bearing Kit Options: (Includes Items 14-16)	
52	7017159	1	0060062 Rotator	
52	7017138	1	0060050 Rotator	
52	7017159	1	0060096 Rotator	

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FIGURE 5-15. USA BUILT MACHINES/TELESCOPE CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**USA Built Machines use SNs 03xxxxxxxx.**	
		Ref	**Belgium Built Machines use SNs 13xxxxxxxx.**	
		Ref	**Romanian Built Machines use SNs E3xxxxxxxx.**	
		Ref	**TELESCOPE CYLINDER ASSEMBLY**	
	1684095	Ref	**Telescope Cylinder Assembly 450A Series II**	E
	1684140	Ref	**Telescope Cylinder Assembly 450AJ Series II**	4-E
1		Ref	Barrel Weldment Options:	
1	1684096	1	Barrel Weldment 450A Series II	
1	1683800	1	Barrel Weldment 450AJ Series II	
2		Ref	Rod Weldment Options:	
2	1684098	1	Rod Weldment 450A Series II	
2	1683802	1	Rod Weldment 450AJ Series II	
3	3480239	1	Piston	
4	1682892	1	Head	
5		Ref	Spacer, Tube Options:	
5	4568218	1	Spacer, Tube 450A Series II	
5	4566027	1	Spacer, Tube 450AJ Series II	
6	4641200	1	Counterbalance Valve Assembly (See Items 101-103 for Breakdown)	
7	0641512	4	Bolt 5/16in-18NC x 1-1/2in	
8	2220883	2	Plug, O-Ring	
9	3951402	1	Setscrew 1/4in-20NC x 1/4in	
10	3322205	1	Locknut	
11	3760318	1	Ring, Retaining	
12	2902073	2	Ring, Wear	
13	2902073	1	Seal, Cap	
14	2902073	1	O-Ring	
15	2902073	1	Ring, Wear	
16	2902073	1	O-Ring	
17	2902073	1	Seal, Rod	
18	2902073	1	Wiper	
19	0100011	AR	Compound, Locking	
25	2130608	2	Adapter, Elbow	
30	2902073	1	Seal Kit, Cylinder (Includes Items 12-18)	
	4641200	Ref	**COUNTERBALANCE VALVE ASSEMBLY**	C
101	7011347	2	Cartridge, Counterbalance	
101	2900770	2	Seal Kit - Cartridge (1 Per Cartridge)	
103	3790113	2	O-Ring (Between Valve and Cylinder Block)	

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FIGURE 6-5. STANDARD HYDRAULIC DIAGRAM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**USA Built Machines use SNs 03xxxxxxxx.**	
		Ref	**Belgium Built Machines use SNs 13xxxxxxxx.**	
		Ref	**Romanian Built Machines use SNs E3xxxxxxxx.**	
		Ref	**STANDARD HYDRAULIC DIAGRAM**	
	2792468	Ref	**Standard Hydraulic Diagram 450A Series II (USA Built Machines with Caterpillar/ Deutz/ Perkins Engines)**	7
	2792724	Ref	**Standard Hydraulic Diagram 450A Series II (USA Built Machines with GM Engines)**	5
	2792469	Ref	**Standard Hydraulic Diagram 450AJ Series II (USA Built Machines with Caterpillar/ Deutz/ Perkins Engines)**	6
	2792725	Ref	**Standard Hydraulic Diagram 450AJ Series II (USA Built Machines with GM Engines)**	5
	2792580	Ref	**Turntable Hydraulic Diagram (Belgium and Romanian Built Machines)**	7
	2792590	Ref	**Main Boom Hydraulic Diagram (Belgium and Romanian Built Machines)**	2
	2792583	Ref	**Tower Boom Hydraulic Diagram (Belgium and Romanian Built Machines)**	1
1	2110404	AR	Fitting, Straight	
2	2110406	5	Fitting, Straight	
3	2111212	1	Fitting, Straight	
4	2130406	3	Fitting, Elbow	
5	2170504	2	Fitting, Tee	
6	2150808	1	Fitting, Elbow	
7	2150606	1	Fitting, Elbow	
8	2170206	1	Fitting, Long Elbow	
9	2110606	11	Fitting, Straight	
10	2110410	2	Fitting, Straight	
11	2170106	2	Fitting, Long Straight (2.27in Length)	
11	2110606	2	Fitting, Straight (1.25in Length)	
12	2130606	2	Fitting, Elbow	
13	2130608	2	Fitting, Elbow (USA Built Machines Only)	
14	2150404	2	Fitting, Elbow	
15	2170406	1	Fitting, Tee	
16	2221086	AR	Fitting, Pressure, Check	
17		Ref	Fitting Options:	
17	2130604	1	Fitting, Elbow	
17	2110604	1	Fitting, Straight	
18	2110604	1	Fitting, Straight	
19	2131210	1	Fitting, Elbow	
20	2170316	1	Fitting, Tee	
21	2170808	1	Fitting, Tee	
22	2111620	1	Fitting, Straight	
23	2111216	1	Fitting, Straight	
24	4641199	2	Valve, Check	
25		Ref	Hose Options:	
25	2753554	1	46in - USA Built Machines	
25	2753545	1	34in - USA Built Machines	
25	2753546	1	All Belgium and Romanian Built Machines	
26		Ref	Hose Options:	
26	2753542	1	Hose 450A Series II	

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