Illustrated Parts Manual

Models

E45A/AJ

E40AJP

E40AJPnarrow

M45A/AJ

M40AJP

M40AJPnarrow

P/N

3120766

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ANSI

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FIGURE 1-2. TIRE AND WHEEL DRIVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**WHEEL DRIVE INSTALLATION OPTIONS:**	
	0259069	Ref	**Wheel Drive Installation E45A, M45A, E45AJ, M45AJ, E40AJP & M40AJP**	6-G
	0270103	Ref	**Wheel Drive Installation E40AJPnarrow & M40AJPnarrow**	4
1	0100019	AR	Loctite #271	
2	0641609	8	Bolt 3/8in-16NC x 1 1/8in	
3	0641826	4	Bolt 1/2in-13NC x3 1/4in	
4	0682010	12	Bolt 5/8in-11NC x 1 1/4in (Grade 8)	
5	0920113	2	Drive Brake Assembly	
5	7011757	2	Repair Kit - Complete for 0920113 Brake (1 per Assembly)	
5	2900768	2	Bearing Kit for 0920113 Brake (1 per Assembly)	
5	7007900	2	Seal, Oil for 0920113 Brake (1 per Assembly)	
5	7007977	2	Ring, Retaining for 0920113 Brake (1 per Assembly)	
5	7011716	2	Ring, Retaining for 0920113 Brake (1 per Assembly)	
5A	7000731	2	Gasket (1 Per Assembly)	
6	3300426	18	Lugnut	
7	2780236	2	Drive Hub Assembly (See DRIVE HUB ASSEMBLY for Breakdown)	
8	3160239	2	Drive Motor Assembly	
8	7020138	NLA	Brush (Note: Use p/n 7020297)	
8	7020150	1	Holder Assembly	
9	3990105	2	Sensor, Speed	
10	4711600	8	Flatwasher 3/8in Narrow	
11	4892000	12	Washer, Hardened 5/8in	
		Ref	**TIRE AND WHEEL INSTALLATIONS**	
	0258995	Ref	**IN240/55-17.5 Pneumatic**	1
	0270416	Ref	**IN240/55-17.5 Pneumatic (Non-Marking)**	1
	0258996	Ref	**IN240/55-17.5 Foam-Filled**	1
	0270418	Ref	**IN240/55-17.5 Foam-Filled (Non-Marking)**	1
	0259679	Ref	**LT215/8R16 Pneumatic**	1
	0270037	Ref	**26in x 7in x 20in Solid (Non-Marking)**	A
	0270028	Ref	**Solid (Non-Marking) (M40AJPnarrow & E40AJPnarrow Only)**	1-B
		Ref	Tire Assembly Options:	
		Ref	**Note: Assemblies may require ballast/foam filling to manufacturer's specifications prior to installing on a machine. Refer to Operation and Safety or Service and Maintenance Manuals.**	
		Ref	**Purchase individual tire and/or rim only if able to foam fill tire and wheel assembly, otherwise, purchase complete assembly.**	
		Ref	Tire Assembly E45A, M45A, E45AJ, M45AJ, E40AJP & M40AJP:	
	0258688	4	OTR IN240/55-17.5 Pneumatic	1-A
	0270415	4	OTR IN240/55-17.5 Pneumatic (Non-Marking)	1-A
	0258997	4	OTR IN240/55-17.5 Foam-Filled	1-A
	0270417	4	OTR IN240/55-17.5 Foam-Filled (Non-Marking)	1-A
	0258037	4	Goodyear LT215/8R16 Pneumatic	1-A
	4520232	4	Monarch 26in x 7in x 20in Solid (Non-Marking) (Sold as Assembly Only)	A
		Ref	Tire Assembly E40AJPnarrow & M40AJPnarrow:	
	4520231	2	Trelleborg 22in x 6in x 17.75in (M40AJPnarrow & E40AJPnarrow Front Tire) (Solid) Non-Marking (Sold as	B

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FIGURE 3-8. ROTATOR ASSEMBLY (E45A, M45A, E45AJ, M45AJ, E40AJP & M40AJP)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**ROTATOR ASSEMBLIES**	
	0060044	Ref	**Rotator Assemblies E45AJ & M45AJ**	D
	0060052	Ref	**Rotator Assemblies E45A & M45A Only (SN 49945 to Present)**	F
	0060046	Ref	**Rotator Assemblies E40AJP & M40AJP**	C
		Ref	**Note: There are 2 different versions each of Rotators p/n 0060044 & 0060052. No s/n break exists. Order parts by the Helac Control #.**	
1	Not Serviced	1	Case/Bracket Weldment (Purchase Complete Assembly)	
1A	0962257	2	Bushing, Garmax (0060044 Rotator Only)	
1B	0961947	2	Bushing, Garmax (0060044 Rotator Only)	
2		Ref	Shaft Options:	
2	7017120	1	0060052 Rotators with Helac Control #26409	
2	7017196	1	0060052 Rotators with Helac Control #26966	
2	7017120	1	0060044 Rotators with Helac Control #25928	
2	7017196	1	0060044 Rotators with Helac Control #26962	
2	7017130	1	0060046 Rotator	
3		Ref	Piston Sleeve Options:	
3	7017121	1	0060052 Rotators with Helac Control #26409	
3	7027900	1	0060052 Rotators with Helac Control #26966	
3	7017121	1	0060044 Rotators with Helac Control #25928	
3	7027900	1	0060044 Rotators with Helac Control #26962	
3	7017131	1	0060046 Rotator	
4		Ref	Cap, End Options:	
4	7017153	1	0060052 Rotators with Helac Control #26409	
4	7027901	1	0060052 Rotators with Helac Control #26966	
4	Not Available		0060044 Rotators with Helac Control #25928	
4	7027901	1	0060044 Rotators with Helac Control #26962	
4	Not Available		0060046 Rotator	
5	Not Available	3	Capscrew 1/4in-20NC (Grade 8)	
7		Ref	Bolt and Nut Assembly Options:	
7	7017126	1	0060044 & 0060052 Rotators	
7	7017135	1	0060046 Rotator	
20	See Note	1	Seal, Rod (Note: Use Items 100A-102B)	
22	See Note	1	Seal, Piston (Note: Use Items 100A-102B)	
24	See Note	1	Seal, Cap (Note: Use Items 100A-102B)	
25	See Note	2	Packing, Bearing (Note: Use Items 100A-102B)	
26	See Note	2	Seal (Note: Use Items 100A-102B)	
27	See Note	1	Ring, Back-Up Cap (Note: Use Items 100A-102B)	
32	Item 51	2	Bearing, Shaft	
34	Item 51	2	Washer, Thrust	
41		Ref	Counterbalance Valve Assembly Options:	
41	7017172	1	Helac p/n 24327 Stamped beside Mounting Screws (Was p/n 7017125)	
41	7017172	1	Helac p/n 26553 or 26554 Stamped beside Mounting Screws	
41A		Ref	Valve, Cartridge Options:	
41A	7011323	2	Valve, Cartridge for Helac p/n 24327 Valve	
41A	2900770	2	Seal Kit - 7011323 Cartridge (1 Per Assembly)	
41A	7017192	2	Valve, Cartridge Helac p/n 26553 or 26554 (No Seal Kit Available)	
42	Not Available	2	Bushing, Shaft	

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FIGURE 5-4. LIFT CYLINDER ASSEMBLY - LOWER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**LOWER LIFT CYLINDER ASSEMBLIES**	
	1683711	Ref	**Lower Lift Cylinder Assemblies E45A & M45A**	1-A
	1683826	Ref	**Lower Lift Cylinder Assemblies E45AJ & M45AJ**	1-A
	1683939	Ref	**Lower Lift Cylinder Assemblies E40AJP & M40AJP**	1-A
1		Ref	Barrel Weldment Options:	
1A	1683515	1	Barrel E45A & M45A	
1B	1683827	1	Barrel E45AJ & M45AJ	
1C	1683940	1	Barrel E40AJP & M40AJP	
1D		Ref	Bushing Options:	
1D	0961726	2	Bushing E45 & M45	
1D	0961950	2	Bushing E40 & M40	
2		Ref	Rod Weldment Options:	
2	1683016	1	Rod E45 & M45	
2	1683941	1	Rod E40 & M40	
2A		Ref	Bushing Options:	
2A	0961726	2	Bushing E45 & M45	
2A	0961950	2	Bushing E40 & M40	
3	1120094	1	Retainer	
4	3480241	1	Piston	
5	1683710	1	Head	
6	3300281	1	Nut, Hex	
7	4566432		Spacer	
8	4640816	1	Cartridge, Holding Valve	
8	2900770	1	Seal Kit - 4640816 Valve	
9	4640634	1	Cartridge, Holding Valve	
9	2900770	1	Seal Kit - 4640634 Valve	
10		Ref	Plug Options:	
10	2220885	2	Plug E45A & M45A	
10	Not Required	0	Plug AJ & AJP	
11	3900170	1	Setscrew	
12	Kit	1	Seal, Piston	
13	Kit	2	Ring, Wear	
14	Kit	1	O-Ring	
15	Kit	3	Ring, Wear	
16	Kit	1	O-Ring	
17	Kit	1	Seal, Rod	
18	Kit	1	Wiper, Rod	
20	0100011	AR	Loctite #242	
21	0100035	AR	Loctite	
22	0100038	AR	Primer, Locking	
	2901806	1	Seal Kit - Lower Lift Cylinder (Includes Items 12-18)	

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