Illustrated Parts Manual

Models
2646ES
3246ES

PVC
1910
2004

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31215077

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ANSI

AS/NZS

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FIGURE 5-1. LIFT CYLINDER ASSEMBLY - 2646ES WITH STANDARD HYDRAULIC OIL (SH-PAC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001129291	Ref	LIFT CYLINDER ASSEMBLY - 2646ES WITH STANDARD HYDRAULIC OIL (SH-PAC)	E
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70004634	1	Barrel	
2	70004635	1	Rod	
3	70004636	1	Head, Cylinder	
4	See Note	NSS	Seal, Dust (Note: Use Item 20)	
5	See Note	NSS	Seal (Note: Use Item 20)	
6	70004637	1	Bearing	
7	See Note	1	O-Ring (Note: Use Item 20)	
8	See Note	1	O-Ring (Note: Use Item 20)	
9	70004638	1	Piston	
10	See Note	NSS	Seal (Note: Use Item 20)	
11	See Note	NSS	Ring, Wear (Note: Use Item 20)	
12	See Note	NSS	O-Ring (Note: Use Item 20)	
13	70003663	1	Nut	
14	0962181	2	Bushing (Rod End)	
14	0962006	2	Bushing (Barrel End)	
15	70004949	1	Motor/Pump/Tank Assembly (See Items 102-121 for Breakdown)	
16	See Note	1	O-Ring (Note: Use Item 20)	
17	70004639	2	Capscrew M10 x 50	
18	70004625	3	Capscrew M8 x 20	
19	70004626	2	Plug, Extension	
20	70004640	1	Seal Kit - Cylinder (Includes Items 4, 5, 7, 8, 10, 11, 12 & 16)	
		Ref	MOTOR/PUMP/TANK ASSEMBLIES	
	70004949	1	Motor/Pump/Tank Assembly	
102	70004914	1	O-Ring	
103	70004915	1	Cartridge, Valve (Main Relief)	
104	70004916	1	Cartridge, Valve (Breather Vacuum Check)	
105	70004917	1	Cartridge, Valve (Breather Pressure Check)	
106	70004980	1	Kit, Motor (Includes motor, flange and ring)	
107	70005233	1	Kit, Pump (Includes pump and hardware)	
108	70004974	4	Washer M8	
109	70004975	4	Capscrew M8 x 60	
110	70004973	1	Shaft Coupling	
111	70004925	2	O-Ring	
112	70003028	1	Cartridge, Solenoid Valve Less Coil (Steer)	
113	70004926	1	Cartridge, Solenoid Valve Less Coil (Lift)	
114	70004927	2	Cartridge, Valve (Steer Relief)	
115	70004585	1	Cartridge, Valve (Lift Check)	
116	70004928	1	Filter 300 micron	
117	70003707	3	Coil	
118	70004947	1	Pipe, Suction	
119	70004948	1	Pipe, Return	
120	70004935	1	Filter, Bypass	
121	70004936	3	O-Ring	
122	70005241	1	Kit, Tank (Includes tank, plug, "o"-ring and screws)	
123	70005235	1	Kit, Filter (Includes strainer and seal ring)	

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FIGURE 5-6. LIFT CYLINDER ASSEMBLY - 3246ES WITH BIODEGRADEABLE HYDRAULIC OIL (SH-PAC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001131037	Ref	LIFT CYLINDER ASSEMBLY - 3246ES WITH BIODEGRADEABLE HYDRAULIC OIL (SH-PAC)	F
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70004641	1	Barrel	
2	70004635	1	Rod	
3	70004636	1	Head, Cylinder	
4	See Note	NSS	Seal, Dust (Note: Use Item 20)	
5	See Note	NSS	Seal (Note: Use Item 20)	
6	70004637	1	Bearing	
7	See Note	NSS	O-Ring (Note: Use Item 20)	
8	See Note	NSS	O-Ring (Note: Use Item 20)	
9	70004638	1	Piston	
10	See Note	NSS	Seal (Note: Use Item 20)	
11	See Note	NSS	Ring, Wear (Note: Use Item 20)	
12	See Note	NSS	O-Ring (Note: Use Item 20)	
13	70003663	1	Nut	
14	0962181	2	Bushing (Rod End)	
14	0962006	2	Bushing (Barrel End)	
15	70004953	1	Motor/Pump/Tank Assembly (See Items 102-121 for Breakdown)	
16	See Note	1	O-Ring (Note: Use Item 20)	
17	70004639	2	Capscrew M10 x 50	
18	70004625	3	Capscrew M8 x 20	
19	70004626	2	Plug, Extension	
20	70004640	1	Seal Kit - Cylinder (Includes Items 4, 5, 7, 8, 10, 11, 12 & 16)	
		Ref	MOTOR/PUMP/TANK ASSEMBLIES	
	70004953	1	Motor/Pump/Tank Assembly	
102	70004914	1	O-Ring	
103	70004915	1	Cartridge, Valve (Main Relief)	
104	70004916	1	Cartridge, Valve (Breather Vacuum Check)	
105	70004917	1	Cartridge, Valve (Breather Pressure Check)	
106	70004980	1	Kit, Motor (Includes motor, flange and ring)	
107	70005233	1	Kit, Pump (Includes pump and hardware)	
108	70004974	4	Washer M8	
109	70004975	4	Capscrew M8 x 60	
110	70004973	1	Shaft Coupling	
111	70004925	2	O-Ring	
112	70003028	1	Cartridge, Solenoid Valve Less Coil (Steer)	
113	70004926	1	Cartridge, Solenoid Valve Less Coil (Lift)	
114	70004927	2	Cartridge, Valve (Steer Relief)	
115	70004585	1	Cartridge, Valve (Lift Check)	
116	70004928	1	Filter 300 micron	
117	70003707	3	Coil	
118	70004951	1	Pipe, Suction	
119	70004952	1	Pipe, Return	
120	70004935	1	Filter, Bypass	
121	70004936	3	O-Ring	
122	70005242	1	Kit, Tank (Includes tank, plug, "o"-ring and screws)	

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FIGURE 8-7. DECAL INSTALLATION - CSA SPEC (ENGLISH/FRENCH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001181271	Ref	DECAL INSTALLATION - CSA SPEC (ENGLISH/FRENCH)	I
		Ref	Note: See DECAL INSTALLATION - OPTIONS for additional decals.	
1	2080040	4	Fastener	
2	0860520	1	Box, Manual Storage	
4	1001131270	1	Decal - Patent	
5	2080057	4	Fastener	
7	See Note	1	Decal - Bar Code (Note: Not Available for Purchase)	
8	2902267	1	Decal Kit - Master (Standard Decals) (Includes Items 9-19 & 44)	B
9	1704412	1	Decal - Hydraulic Oil	
10	1705693	1	Decal - Safety Prop	
11	1704016	2	Decal - Forklift	
12	1702155	1	Decal - Battery Disconnect	
13	1701509	1	Decal - Manual Reference	
14	1703811	4	Decal - Lifting Lugs	
15	1703814	3	Decal - Tie Down	
16	1704277	3	Decal - Lanyard Attach	
17	1703819	4	Decal - Directional Arrow	
18	1703822	1	Decal - Manual Descent Instructions	
19	1705692	1	Decal - Control Box Location	
20	2902524	1	Decal Kit - CSA Spec (Includes Items 21-27, 40 & 41)	B
21	1705694	4	Decal - Crushing	
22	1705695	4	Decal - Warning/Danger	
23	1705723	1	Decal - Legend	
24	1705680	1	Decal - Danger/Warning	
25	1705679	1	Decal - Inspection	
26	1705681	1	Decal - Electrocution	
27	1704340	2	Decal - Warning Battery Ventilation	
40	1705717	4	Decal - Crushing	
41	1705718	4	Decal - Electrocution	
43	3252098	1	Nameplate - Warning/Danger	
44	1701499	1	Decal - No Lift (Part of Item 8)	
46	1001094359	1	Decal - Troubleshooting	
47	1001146794	2	Decal - See Manual	
49	1001216313	1	Decal - 24 Volts	
50	1705754	2	Decal - JLG	
51	1001223971	1	Decal - Yearly Inspection	
52	1001228370	1	Decal - CSA Ices	

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