Illustrated Parts Manual

Models

15MVL
15MSP
20MVL
20MSP

SN 0130000001 to SN 0130037734

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FIGURE 1-4. COVERS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**COVER INSTALLATIONS**	
	0274891	Ref	**FIXED STANDARD**	C
	1001093808	Ref	**FIXED STANDARD (4-6Volt AGM Batteries)**	B
	0274889	Ref	**HINGED**	C
	0274890	Ref	**HINGED LOCKABLE**	C
		Ref	**Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION for Breakdown.**	
1	0120006	2	Adjuster, Hood (All Models Excepted Fixed Standard 4-6Volt AGM Batteries Installation)	
2	0641405	AR	Bolt 1/4in-20NC x 5/8in	
3	0641614	2	Bolt 1/4in-20NC x 1-3/4in	
4	0902836	AR	Bracket, Hood Support Options:	
4		Ref	Fixed Cover	
4		Ref	Hinged Cover	
5	1671283	2	Cover, Counterweight	
6		Ref	Cover, Left Options:	
6	1671289	1	Fixed	
6	1671284	1	Hinged	
6	1671287	1	Hinged Lockable	
6A	Not Available	1	Latch	
6A	2940142	1	Keeper, Latch	
6B	2600258	2	Hinge	
7		Ref	Cover, Right Options:	
7	1671290	1	Fixed	
7	1671285	1	Hinged	
7	1671288	1	Hinged Lockable	
7A	Not Available	1	Latch	
7A	2940142	1	Keeper, Latch	
7B	2600258	2	Hinge	
8		Ref	Cover, Ground Station Options:	
8	1671291	1	Fixed	
8	1671286	1	Hinged and Hinged Lockable	
9		Ref	Cover, Charger Options:	
9	1671256	1	Cover without Beacon Light	
9	2915256	1	Cover with Beacon Light Kit	
		Ref	**Note: For Machines Built SN 0130000001 to SN 0130009136, original beacon light mounting holes have changed. Use P/N 2915256 Cover/Beacon Light Kit as replacement. Kit may also be used on Machines Built SN 0130009136 to SN 0130037734.**	
11	3311405	4	Locknut 1/4in-20NC	
12	3311605	2	Locknut 3/8in-16NC	
13	3900258	AR	Button Head Screw 1/4in-20NC x 3/4in (Fixed Cover Only)	
14	4711600	2	Flatwasher 3/8in Narrow	
15	4751400	28	Flatwasher 1/4in Wide	
16	4761400	8	Lockwasher 1/4in (Hinged Covers Only)	
17	0811408	2	Screw 1/4in-20NC x 1in	
		Ref	Covers Kit Options (Included Items 5 - 8):	
	2902519	1	Fixed Standard and Fixed Standard 4-6Volt AGM Batteries Covers	2
	2902517	1	Hinged Covers	2

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FIGURE 3-1. MAST ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**MAST ASSEMBLY**	
	0801541	Ref	**Mast Assembly 15MVL/15MSP**	F
	0801543	Ref	**Mast Assembly 20MVL/20MSP**	F
	0801544	Ref	**Mast Assembly 15MVL/15MSP (No Lanyard Attach Point)**	F
	0801545	Ref	**Mast Assembly 20MVL/20MSP (No Lanyard Attach Point)**	F
		Ref	**Note: Machines may contain additional components not shown in this figure. Refer to Load Sensing System Manual p/n 3124289 for breakdown of these items.**	
1	0060087	1	Actuator, Pothole Protection	
2	0100011	AR	Compound, Locking	
4	0362735	4	Bar, Sheave Pin Support	
5	0362736	2	Bar, Sheave Pin Support	
6	0561341	1	Block, Chain Anchor	
7	0641406	29	Bolt 1/4in-20NC x 3/4in	
8	0641407	6	Bolt 1/4in-20NC x 7/8in	
9	0641408	7	Bolt 1/4in-20NC x 1in	
10	0641410	8	Bolt 1/4in-20NC x 1-1/4in	
11	0641812	4	Bolt 1/2in-13NC x 1-1/2in	
12		Ref	Bolt 1/2in-13NC x 1-1/2in (Grade 8) Options:	
12	0681812	2	Standard Mast	
12	Not Required	0	Mast with No Lanyard Attach Point	
13	0741006	2	Screw #10-24NC x 3/4in	
14	0741606	4	Screw 3/8in-16NC x 3/4in	
15	0902047	1	Bracket, Sequence Cable	
16	0902422	1	Bracket, Bottom Chain Attach	
17	0902424	1	Bracket, Bottom Chain Attach	
18	0902431	2	Bracket, Sequence Cable	
19	0902445	2	Bracket, Sequence Cable	
20	0902698	1	Bracket, Sequence Cable	
21	0902775	1	Bracket, Sequence Cable	
22	1060920	3	Cable, Sequence	
23	1260368	1	Chain Assy - #544 (See Items 101-111 for Breakdown)	
24	1260370	1	Chain Assy - #444 (See Items 301-311 for Breakdown)	
25	1260371	1	Chain Assy - #534 (See Items 201-211 for Breakdown)	
26	1271488	1	Channel, Mast #3	
27	1271489	1	Channel, Mast #4	
28		Ref	Channel, Mast Header Options:	
28	1271490	1	Channel, Mast Header 15MSP/15MVL	
28	1271493	1	Channel, Mast Header 20MSP/20MVL	
29	1271620	1	Channel, Mast #1	
30	1271621	1	Channel, Mast #2	
31		Ref	Lift Cylinder Assy Options (See CYLINDER SECTION for Breakdown)	
31	1684483	NLA	Lift Cylinder Assy 15MSP/15MVL (Use p/n 1001225207) **(SN 0130000001 through 0130032831)**	
31	1001225207	1	Lift Cylinder Assy 15MSP/15MVL **(SN 0130032831 through 0130037734)**	
31	1684486	NLA	Lift Cylinder Assy 20MSP/20MVL (Use p/n 1001225206) **(SN 0130000001 through 0130032831)**	
31	1001225206	1	Lift Cylinder Assy 20MSP/20MVL **(SN 0130032831 through 0130037734)**	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001148904	Ref	**Deutsch HD Connector Kit**	
	1001148905	Ref	**Packard Connector Kit**	
	1001148906	Ref	**Various Connector Kit**	
	0255040	Ref	**Fluorescent Tube Caddy**	
	1001112958	Ref	**Gate Alarm Installation (Wal-Mart and UPS Only)**	
	0272022	Ref	**Gate Interlock Assembly (MSP Only)**	
	0273000	Ref	**Hydraulic Oil Installation (Fire Resistrant)**	
	1704412	1	Decal - Hydraulic Oil	
	2300014	Ref	Hydraulic Oil - Mobil 424	
	2300021	Ref	Hydraulic Oil - Union Carbide Ucon HP5046 Fire Resistant	
	3128199	Ref	**Inspection Packet (ANSI and CSA Spec)**	
	0273590	Ref	**Light Box Attachment (MSP Only - ANSI and ANSI Export Specs Only)**	
	1001231706	Ref	Mast Protection Kit	
	0271198	Ref	**Rug Carrier Installation (15MSP Only)**	
	0220008	Ref	**Safety Belt**	
	0220017	Ref	**Safety Harness**	
	1001200310	Ref	**Telematics Installation Options (Customer Supplied):**	
	1001195610	Ref	**Telematics Installation (United Rentals)**	
	1001228363	Ref	**Telematics Installation (Herc Rentals)**	
	0255036	Ref	**Tool Tray**	
		Ref	**Tools**	
	0100048	AR	Compound, Silicone (Use on connectors/receptacles)	
	7002821	1	Crimper (For Wire to Pin/Socket Connections)	
	7002828	1	Stripper, Wire	
	7024361	1	Calibration Tool	
	7002842	1	Brake Crimp Removal Tool (Not Shown)	
	7002841	1	Motor Crimp Removal Tool (Not Shown)	
	7016618	1	Molex Tool (For Ground Control Station Electrical Connectors)	
	7002841	1	Intech Tool (For Drive Motor Electrical Connectors)	
	7002842	1	Intech Tool (For Drive Motor Brake Electrical Connectors)	
	7002847	1	Tyco / AMP Electronics Tool (For other General Electrical Connectors)	
	7002848	1	Tyco / AMP Electronics Tool (For other General Electrical Connectors)	
	2915230	Ref	Battery Charger Reprogram Controller	
		Ref	**Video Options:**	
	3125029	NLA	**MSP (Use p/n 31201387)**	
	3125030	NLA	**MSP (Home Depot Spec) (Use p/n 31201387)**	
	3125049	NLA	**MSP (Rug and Bicycle Carrier) (Use p/n 31201387)**	
	3125028	NLA	**MVL (Use p/n 31201387)**	

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