Illustrated Parts Manual

Models

12SP

&

15SP

3120776

January 2, 2019 - Rev AN

ANSI

An Oshkosh Corporation Company

Order the manual at mid-west-tech.com >

TABLE OF CONTENTS

SECTION 1 - BASE 9

FIGURE 1-1. BASE MOUNTED COMPONENTS INSTALLATION 10

SECTION 2 - CONTROLS 15

FIGURE 2-1. DC POWER PACK INSTALLATION (Prior to SN 0900027449) 16
FIGURE 2-2. DC POWER PACK INSTALLATION (SN 0900027449 to Present) 22
FIGURE 2-3. DC MOTOR/PUMP ASSEMBLY (FENNER) (Prior to SN 0900027449) 26
FIGURE 2-4. DC MOTOR/PUMP ASSEMBLY (MONARCH) (SN 0900027449 to Present) 30
FIGURE 2-5. BATTERY AND CHARGER INSTALLATION (Prior to SN 0900031592) 32
FIGURE 2-6. BATTERY AND CHARGER INSTALLATION (SN 0900031592 to Present) 36
FIGURE 2-7. BATTERY CHARGER ASSEMBLY 38
FIGURE 2-8. CABLE AND PLATFORM CONTROLS INSTALLATION - 12SP WITH 4 SECTION MAST (SN 0900015116 through 0900028704) 40
FIGURE 2-9. CABLE AND PLATFORM CONTROLS INSTALLATION - 12SP WITH 4 SECTION MAST (SN 0900028704 to Present) 44
FIGURE 2-10. CABLE AND PLATFORM CONTROLS INSTALLATION - 12SP WITH 5 SECTION MAST AND ALL (15SP Prior to SN 0900028704; Prior to SN 0900015116) 48
FIGURE 2-11. CABLE AND PLATFORM CONTROLS INSTALLATION - 15SP WITH 5 SECTION MAST (SN 0900028704 to Present) 52

SECTION 3 - MAST 55

FIGURE 3-1. MAST ASSEMBLY - 12SP WITH 4 SECTION MAST (SN 0900015116 to Present) 56
FIGURE 3-2. MAST ASSEMBLY - 12SP WITH 5 SECTION MAST (Prior to SN 0900015116) 62
FIGURE 3-3. MAST ASSEMBLY - 15SP 66
FIGURE 3-4. MAST MOUNTED COMPONENTS 72

SECTION 4 - PLATFORM 75

FIGURE 4-1. STEEL BASE PLATFORM INSTALLATION (Prior to SN 0900018610) 76
FIGURE 4-2. STEEL BASE PLATFORM INSTALLATION (SN 0900018610 to Present) 80
FIGURE 4-3. STEEL BASE PLATFORM INSTALLATION WITH EXTENSION 84
FIGURE 4-4. MOLDED BASE PLATFORM INSTALLATION 88
FIGURE 4-5. SIDE ENTRY PLATFORM WITH FOLDING TRAY INSTALLATION 90

SECTION 5 - CYLINDER 93

FIGURE 5-1. LIFT CYLINDER ASSEMBLY (Prior to SN 0900018391) 94
FIGURE 5-2. LIFT CYLINDER ASSEMBLY (SN 0900018391 through 0900029975) 96
FIGURE 5-3. LIFT CYLINDER ASSEMBLY (SN 0900029975 to Present) 98

SECTION 6 - HYDRAULIC 101

FIGURE 6-1. HYDRAULIC DIAGRAM (Prior to SN 0900027449) 102
FIGURE 6-2. HYDRAULIC DIAGRAM (SN 0900027449 to Present) 104

SECTION 7 - ELECTRICAL 107

FIGURE 7-1. ELECTRICAL DIAGRAM (Prior to SN 0900017472) 108
FIGURE 7-2. ELECTRICAL DIAGRAM (SN 0900017472 to Present) 110

SECTION 8 - DECALS 115

FIGURE 8-1. DECAL INSTALLATION 116

SECTION 9 - RECOMMENDED SERVICE PARTS STOCK 121

FIGURE 9-1. MODELS 12SP/15SP STANDARD PARTS 122
FIGURE 9-2. MODELS 12SP/15SP VARIABLE PARTS 124

SECTION 10 - SPECIAL OPTIONS 125

FIGURE 10-1. SPECIAL OPTIONS 126

PART NUMBER INDEX 129

MidWestTech | JLG 12SP, 15SP Boom Lift Parts Manual | Publication 3120776 **Order the manual at mid-west-tech.com >**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**ACCESSORY OUTLET INSTALLATIONS (OPTIONAL)**	
	1001097219	Ref	**120V Accessory**	C
	1001097220	Ref	**240V Accessory**	B
101		Ref	Decal Options:	
101	3252761	1	110V	
101	3252760	1	220V	
102	3311001	4	Nut #10-24NC	
103	3900205	4	Screw #10-24NC x 1/4in	
104	4460023	1	Terminal, Connector	
105	4711000	4	Flatwasher #10	
106		Ref	Plug and Receptacle Assembly Options:	
106	1001096767	1	110V	B
106	See Note	1	220V (Note: 220V has p/n 0861731 receptacle box only) (Note: Not Available - Purchase Locally)	
106A	0861731	1	Receptacle, Box	
106B		Ref	Receptacle Options:	
106B	4460346	1	110V GFI	
106B	See Note	1	220V (Note: Not Available - Purchase Locally)	
106C		Ref	Plug Options:	
106C	4460549	1	110V GFI	
106C	See Note	1	220V (Note: Not Available - Purchase Locally)	
106DtoE		Ref	Receptacle, Cover Options:	
106D	070700	1	110V GFI (Side Hinged Cover)	
106E	1001110873	1	110V GFI (Top Hinged Cover)	
106E	See Note	1	220V (Note: Not Available - Purchase Locally)	
107	0100011	AR	Compound, Locking	
	0259450	Ref	**AUXILIARY LOWERING INSTALLATION**	A
202	4360274	1	Switch, Push Button	
205	4460662	1	Connector, Strain Relief	

MidWestTech | JLG 12SP, 15SP Boom Lift Parts Manual | Publication 3120776 Order the manual at mid-west-tech.com >

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
30	See Item 105	4	Pin **(SN 0900018391 to Present)**	
31	3422717	2	Pin	
32	3422750	1	Pin	
33	3422752	1	Pin	
34	3422757	1	Pin, Keeper	
35		Ref	Pin Cotter Options:	
35	3450304	2	Pin Cotter **(SN 0900015116 through 0900018390)**	
35	See Item 108	2	Pin Cotter **(SN 0900018391 to Present)**	
36	3570893	2	Plate Only **(SN 0900015116 through 0900029975)**	
37		Ref	Plate, Clevis Options:	
37	3571101	1	Plate, Clevis **(SN 0900015116 through 0900018390)**	
37	See Item 109	1	Plate, Clevis **(SN 0900018391 to Present)**	
38		Ref	Plate, Clevis Options:	
38	3571103	1	Plate, Clevis **(SN 0900015116 through 0900018390)**	
38	Not Required	0	Plate, Clevis **(SN 0900018391 to Present)**	
39		Ref	Sheave Assembly Options:	
39	3580268	NLA	Sheave Assembly (Use p/n 3580286) **(SN 0900015116 through 0900016289)**	
39	3580286	2	Sheave Assembly **(SN 0900016290 to Present)**	
39		Ref	Bearing Options: (1 Per Assembly)	
39	0440225	2	Bearing **(SN 0900015116 through 0900016289)**	
39	0440246	2	Bearing **(SN 0900016290 to Present)**	
40	3580269	2	Sheave, Sequence Cable	
41		Ref	Chain, Sheave Assembly Options:	
41	3580274	2	Chain, Sheave Assembly **(SN 0900015116 through 0900016289)**	
41	3580293	2	Chain, Sheave Assembly **(SN 0900016290 to Present)**	
41		Ref	Bearing Options: (1 Per Assembly)	
41	0440230	1	Bearing **(SN 0900015116 through 0900017526)**	
41	0440246	1	Bearing **(SN 0900017527 to Present)**	
42	3820034	2	Rivet	
43	3900187	2	Screw, Shoulder	
44	3900192	8	Screw 3/8in-16NC x 1/2in	
45	3900205	6	Screw #10-24NC x 5/8in	
46	4060960	1	Shield, Mast Cover	
47	4060961	1	Shield, Mast Cover	
48	4060987	1	Shield, Mast	
49	4070860	AR	Shim, Slide Pad	
50	4070861	AR	Shim, Slide Pad	
51	4070862	AR	Shim, Slide Pad	
52	4070970	AR	Shim, Cylinder Mount Only **(SN 0900015116 through 0900029975)**	
53	4070971	AR	Shim, Cylinder Mount Only **(SN 0900015116 through 0900029975)**	
54	4070988	AR	Shim, Slide Pad	
55	4070989	AR	Shim, Slide Pad	
56	4070990	AR	Shim, Slide Pad	
57	4160124	2	Spring	
58	4567491	2	Tube, Spacer	
59	4567750	1	Tube, Spacer	
60	4567751	1	Tube, Spacer	
61	4711400	47	Flatwasher 1/4in Thin	

MidWestTech | JLG 12SP, 15SP Boom Lift Parts Manual | Publication 3120776 Order the manual at mid-west-tech.com >

SECTION 8 - DECALS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
102	1704236	Ref	CSA Spec (English Language)	
102	1704210	Ref	Chinese Spec	
102	1704209	Ref	Japanese Spec	
102	1704206	Ref	Latin American Spec	
	0256719	Ref	**CSA Nameplate Installation (CSA Spec Only) (Prior to SN 0900025100)**	D
103	3252191	1	Nameplate - CSA	
103	3820011	4	Rivet	
	0274397	Ref	**CSA Nameplate Installation (CSA Spec Only) (SN 0900025100 to Present)**	A
104	1706351	1	Nameplate - CSA	
	0259544	Ref	**Home Depot Decals Installation (Home Depot Spec Only)**	A
105	1704423	5	Decal - Employees Only	
106	4420051	8 ft/2.4m	Tape, Safety	
		Ref	**Service Decal Installation Options:**	
	0272934	Ref	**Service Decal Installation 12SP & 15SP (Prior to SN 0900027371)**	C
	1001091576	Ref	**Service Decal Installation 12SP & 15SP (CSG, 8-5 M-F) (SN 0900027371 to Present)**	B
	1001091577	Ref	**Service Decal Installation 12SP & 15SP (CSG, 24/7) (SN 0900027371 to Present)**	B
		Ref	Decal Options:	
107	1705304	NLA	Decal - Alternative Service (0272934 installation) (Use p/n 1001110242)	
107	1001091144	NLA	Decal - CSG Service (8-5, M-F) (1001091576 installation) (Use p/n 1001110242)	
107	1001091150	NLA	Decal - CSG Service (24/7) (1001091577 installation) (Use p/n 1001110242)	
107	1001110242	1	Decal - JLG Ground Support Telephone Numbers	
		Ref	**Max Tire Load Installation (SN 0900025100 to Present)**	
	0274699	Ref	**Max Tire Load Installation 12SP**	A
	0274700	Ref	**Max Tire Load Installation 15SP**	A
108		Ref	Decal - Max Tire Load Options:	
108	1706571	1	Decal - Max Tire Load 12SP	
108	1706572	1	Decal - Max Tire Load 15SP	

MidWestTech | JLG 12SP, 15SP Boom Lift Parts Manual | Publication 3120776 Order the manual at mid-west-tech.com >