Illustrated Parts Manual

Model

LIFTLUX

153-22

S/N 1200015676 to Present
including S/N 1200012750
& S/N 1200014132

3121329

September 14, 2012

An Oshkosh Corporation Company

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

TABLE OF CONTENTS

FIGURE NO.	TITLE	PAGE NO.
SECTION 1 - FRAME		**1-1**
1-1	STEERING INSTALLATION	1-2
1-2	REAR AXLE INSTALLATION	1-4
1-3	WHEEL DRIVE INSTALLATION	1-6
1-4	DRIVE MOTOR ASSEMBLY	1-8
1-5	DRIVE HUB ASSEMBLY	1-10
1-6	LADDER AND LEVELING JACKS INSTALLATION	1-14
SECTION 2 - GROUND CONTROLS		**2-1**
2-1	VALVE SIDE COMPONENTS INSTALLATION	2-2
2-2	MAIN VALVE BANK ASSEMBLY	2-6
2-3	DRIVE VALVE ASSEMBLY	2-8
2-4	HAND PUMP ASSEMBLY	2-10
2-5	MAIN TERMINAL BOX	2-12
2-6	ENGINE SIDE COMPONENTS INSTALLATION	2-14
2-7	ENGINE INSTALLATION	2-16
2-8	FUEL TANK INSTALLATION	2-20
2-9	HOODS INSTALLATION	2-22
SECTION 3 - SCISSORS ARMS		**3-1**
3-1	SCISSORS ARMS INSTALLATION	3-2
3-2	ARM GUARDS INSTALLATION	3-8
SECTION 4 - PLATFORM		**4-1**
4-1	PLATFORM AND RAILS INSTALLATION	4-2
4-2	PLATFORM CONSOLE ASSEMBLY & INSTALLATION	4-6
4-3	DRIVE/STEER CONTROLLER ASSEMBLY	4-8
SECTION 5 - CYLINDER		**5-1**
5-1	LIFT CYLINDER AND VALVES ASSEMBLY	5-2
5-2	STEERING CYLINDER ASSEMBLY	5-4
5-3	LEVELING CYLINDER ASSEMBLY	5-6
5-4	EXTENSION CYLINDER ASSEMBLY	5-8
SECTION 6 - HYDRAULIC		**6-1**
6-1	HYDRAULIC DIAGRAM (S/N 1200015676 to S/N 1200021117)	6-2
6-2	HYDRAULIC DIAGRAM (S/N 1200021117 TO PRESENT)	6-8
SECTION 7 - ELECTRICAL		**7-1**
7-1	ELECTRICAL PLANS - DIESEL CONTROL	7-2
7-2	HARNESS COMPONENTS INSTALLATION	7-22
SECTION 8 - DECALS		**8-1**
8-1	DECAL INSTALLATION	8-2
SECTION 9 - RECOMMENDED SERVICE PARTS STOCK		**9-1**
SECTION 10 - SPECIAL OPTIONS		**10-1**

MidWestTech | JLG 153-22 Scissor Lift Service Manual | Publication 3121329 Order the manual at mid-west-tech.com >

FIGURE 3-1. SCISSORS ARMS INSTALLATION

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0275781	Ref.	**SCISSOR ARMS INSTALLATION**	F
1	Not Used			
2	0275780	1	Lift Cylinder with Valves Assembly (See Section 5 for Breakdown)	
3	0701217	2	Bolt M12 x 45mm	
4	0701629	2	Bolt M16 x 120mm	
5	0760605	4	Bolt M6 x 10mm	
6	0761014	6	Bolt M10 x 30mm	
7	0761216	1	Bolt M12 x 40mm	
8	0762015	2	Bolt M20 x 35mm	
9	3290805	1	Nut M8	
10	3291205	2	Nut M12	
11	3291605	2	Nut M16	
12	4031612	12	Capscrew M5 x 40mm	
13	4031908	4	Capscrew M8 x 20mm	
14	4811900	1	Washer M8	
15	4812100	4	Washer M12	
16	4812300	4	Washer M16	
17	4831700	4	Lockwasher M6	
18	Not Used			
19	4832100	1	Lockwasher M12	
20	4832500	2	Lockwasher M20	
21	E000376	3	Switch, Limit	
22	2160016	7	Fitting, Grease	
23	S001594	1	Bumper, Rubber	
24	S001810	2	Bushing	
25	S004034	2	Block, Slide	
26	S007026	1	Pin	
27	S007027	1	Pin	
28	S007028	1	Pin	
29	S007029	1	Pin	
30	S200134	3	Cam	
31	S200175	1	Retainer, Prop Arm	
32	S200176	2	Spacer	
33	S201017	1	Prop, Safety	
34	S900006	2	Plate, Pin Cover	
35	S900019	1	Panel, Limit Switch Mounting	
36	S000142	32	Cap, Grease Fitting	
37	3440816	2	Roll Pin	
38	S900335	A/R	Shim, 2mm	
39	S900336	A/R	Shim, 3mm	
40	0100019	A/R	Compound, Locking	
41	0761015	1	Bolt M10 x 35mm	
42	3291005	1	Locknut M10	
43	4812000	8	Flatwasher M10	
44	4831600	12	Lockwasher M5	
45	E000269	3	Relief, Strain	
46	4832000	6	Lockwasher M10	

MidWestTech | JLG 153-22 Scissor Lift Service Manual | Publication 3121329 Order the manual at mid-west-tech.com >

FIGURE 4-1. PLATFORM AND RAILS INSTALLATION

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0275726	Ref.	**PLATFORM & EXTENSION INSTALLATION**	G
1	0701022	4	Bolt M10 x 70mm	
2	0760610	4	Bolt M6 x 20mm	
3	0760819	2	Bolt M8 x 55mm	
4	0761015	2	Bolt M10 x 35mm	
5	Not Used			
6	0761016	4	Bolt M10 x 40mm	
7	0701024	4	Bolt M10 x 80mm	
8	3290605	4	Nut M6	
9	3290805	2	Nut M8	
10	3291005	14	Nut M10	
11	3291605	1	Nut M16	
12	3760491	4	Ring, Snap	
13	3900376	12	Screw, M4 Countersunk	
14	4811700	8	Washer M6	
15	4811900	4	Washer M8	
16	4812000	28	Washer M10	
17	H900013	1	Cylinder, Deck Extension (see Section 5 for Breakdown)	
18	S000055	2	Bumper	
19	2160016	4	Fitting, Grease	
20	S000237	2	Hinge	
21	S001445	A/R	Screw, Deck Floor	
22	S005049	4	Roller	
23	S200202	1	Platform Weldment, Main	
24	S200203	1	Platform Weldment, Extension	
25	S200226	1	Bracket, Extension Cylinder Mounting	
26	S900015	1	Block, Coupling	
27	S900016	4	Spacer, Tube	
28	S900017	2	Spacer, Tube	
29	S900018	2	Plate, Stop	
30	S900022	1	Plate, Main Platform Middle Floor	
31	S900023	1	Plate, Main Platform Front Floor	
32		1	Plate, Main Platform Rear Floor Options:	
	S900024		S/N 1200015676 to S/N 1200016718	
	1001098098		S/N 1200016718 to Present	
33	S900025	2	Plate, Extension Platform Floor	
34	S900030	1	Door, Connector Compartment	
35	S900155	2	Roller, Support	
36	S900229	1	Compartment, Connector	
37	S000142	4	Cap, Grease Fitting	
	0275727	Ref.	**PLATFORM RAILS INSTALLATION**	E
101	0760614	A/R	Bolt M6 x 30mm	
102		4	Bolt Options:	
	0760615		S/N 1200015676 to S/N 1200016718 (M6 x 35mm)	
	0760805		S/N 1200016718 to Present (M8 x 10mm)	
103	0760619	1	Bolt M6 x 55mm	

MidWestTech | JLG 153-22 Scissor Lift Service Manual | Publication 3121329 Order the manual at mid-west-tech.com >

FIGURE 7-2. HARNESS COMPONENTS INSTALLATION

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	1001093430	Ref.	**MAIN TERMINAL BOX HARNESS KIT INSTALLATION**	C
1 to 83	Not Used			
84	70001222	1	Harness, #4 Outrigger Limit Switch	
85	70001223	1	Harness, #3 Outrigger Limit Switch	
86	70001224	1	Harness, #2 Outrigger Limit Switch	
87	70001225	1	Harness, #1 Outrigger Limit Switch	
88	70001226	1	Harness, Platform Down Limit Switch	
89	Not Used			
90	70001227	1	Harness, Hydraulic Pump Solenoid Valve	
91	70001228	1	Harness, Directional Control Valve	
92	Not Used			
93	70001229	1	Harness, Tilt Switch	
94	Not Used			
95	70001230	1	Harness, Pressure Switch	
96	70001231	1	Harness, Horn	
97	Not Used			
98	70001232	1	Harness, Lowering Valve	
99	70001233	1	Harness, Drive Speed Valve	
100	Not Used			
101	70001234	1	Harness, Brake Valve	
102	70001235	1	Harness, Max Height Limit Switch	
103	70001236	1	Harness, Engine Control Box	
104	70001237	1	Harness, 2.5M Limit Switch	
105	70001238	1	Harness, Platform Extend Valve	
106	70001239	1	Harness, Lift Valve	
107	70001240	1	Harness, Drive Valve	
108	70001241	1	Harness, Steer Valve	
109	70001259	1	Harness Assembly, Outrigger Valves	
110	70001246	1	Harness, Remote Control Box Connector	
111 to 125	Not Used			
126	70001247	1	Harness, Ground Control Panel	
	0275762	Ref.	**SCISSORS ARMS & CABLES INSTALLATION**	B
201	Not Used			
202	1060663	29m/96ft	Cable, Electrical 12/3	
203 to 208	Not Used			
209	E000083	29m/96ft	Cable, Electrical (25 Wire)	
	E900062	Ref.	**MAIN TERMINAL BOX ASSEMBLY**	E
301	E000102	1	Housing, Connector - Female 24 Pin	
302	E000481	1	Insert, Connector - Female 24 Pin	
	E900042	Ref.	**PLATFORM CONSOLE JUMPER HARNESS**	E
401	4460465	24	Socket, Female	
402	4460468	1	Cap, Dust	

MidWestTech | JLG 153-22 Scissor Lift Service Manual | Publication 3121329 Order the manual at mid-west-tech.com >