Illustrated Parts Manual

Model

120HX

P/N
3120687

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ANSI

An Oshkosh Corporation Company

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SECTION 1 FRAME

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FIGURE 3-4. EXTEND-A-REACH INSTALLATION

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		EXTEND-A-REACH INSTALLATION	Ref.	
	0252610	**ANSI Spec**	Ref.	5
	0253602	**CSA Spec**	Ref.	2
1	4844092	Snoot Weldment	1	
	0960565	Bushing, Bronze	4	
2	4844093	Level Link Weldment	1	
	0961654	Bushing, Bronze (Platform End)	2	
	0960565	Bushing, Bronze (Jib End)	2	
3	4844094	Level Plate Weldment	1	
	0961654	Bushing, Bronze	2	
4	4844095	Pivot Attach Weldment	1	
	1320051	Clamp, Hose	1	
5		Extend-A-Reach Lift Cylinder Assembly Options: (See Section 5 for Breakdown)	1	
	1682635	Prior to S/N 49403		
	1683725	S/N 49403 to Present		
6		Extend-A-Reach Platform Level Cylinder Assembly Options: (See Section 5 for Breakdown)	1	
	1682642	Prior to April 1992		
	1682753	Prior to S/N 29913		
	1683493	S/N 29913 to Present		
7		Pin, Attach (Lift Cylinder - Barrel End) Options:	1	
	3422087	ANSI Spec		
	3422164	CSA Spec		
8	3422077	Pin, Attach (Snoot and Level Link to Jib)	2	
9		Pin, Attach (Lift Cylinder - Rod End) Options:	1	
	3422079	ANSI Spec		
	3422166	CSA Spec		
10	3422081	Pin, Attach (Snoot to Pivot)	1	
11	3422083	Pin, Attach (Level Link to Level Plate)	1	
12	3422037	Pin, Attach (Level Cylinder - Barrel End)	2	
13	Not Used			
14	2160002	Fitting, Grease	9	
15	0641608	Bolt 3/8"-16NC x 1"	3	
16	4761600	Lockwasher 3/8"	3	
17	0641610	Bolt 3/8"-16NC x 1 1/4"	6	
18	3311605	Locknut 3/8"-16NC	10	
19	3422085	Pin, Attach (Level Cylinder - Rod End)	1	
20	1320184	Clamp, Hose and Cable	2	
21	3535978	Plate	2	
22	1670634	Cover, Hose and Cable	1	
23	4300076	Stud (Welded on Part)	4	
24	3311602	Nut, Jam 3/8"-16NC	4	
25	4751600	Flatwasher 3/8"	4	
		— — — — — — — — — —		
	0100011	Loctite #242	A/R	

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FIGURE 5-8. TELESCOPE CYLINDER ASSEMBLY

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		TELESCOPE CYLINDER ASSEMBLIES	Ref.	
	1682030	**Standard Boom Prior To November 1992**	Ref.	D
	1682820	**Standard Boom November 1992 To S/N 38697**	Ref.	A
	1683701	**Standard Boom S/N 38697 To Present**	Ref.	2
	1682030	**Boom with Chip Covers Prior To November 1992**	Ref.	D
	1682820	**Boom with Chip Covers November 1992 To Present**	Ref.	A
1	1681926	Barrel Weldment	1	
2	1681922	Rod Weldment	1	
3	1682031	Spacer	1	
4	4843016	Rod Support Weldment	1	
5	3840944	Rod, Guide	2	
6	0560773	Block, Nylatron	1	
7	1120345	Retainer	1	
8		Head	1	
	1681925	Prior to November 1992		
	1682296	November 1992 to Present		
9	3480133	Piston	1	
10	3300299	Nut	1	
11	0181404	Angle	1	
12	3340560	Pad, Wear	1	
13	Kit	Seal, Rod	3	
14	Kit	Wiper, Rod	1	
15	Kit	O-Ring	1	
16	Kit	Ring, Back-Up	1	
17	Kit	Ring, Wear	1	
18	Kit	Ring, Guide	2	
19	Kit	Seal, Piston	2	
20	Kit	T-Seal	1	
21		Cartridge, Valve Options:	1	
	4640487	1682030 & 1682820 Cylinders		
	4641083	1683701 Cylinder		
	7011317	Seal Kit	1	
22	3312202	Nut, Jam 3/4"-10NC	2	
23	0641812	Bolt 1/2"-13NC x 1 1/2"	2	
24	4761800	Lockwasher 1/2"	2	
25	0641608	Bolt 3/8"-16NC x 1"	2	
26	4761600	Lockwasher 3/8"	7	
27	3311601	Nut 3/8"-16NC	2	
28	0641605	Bolt 3/8"-16NC x 5/8"	5	
29	3951405	Setscrew 1/4"-20NC x 5/8"	1	
30	3900171	Setscrew 1/2"-13NC x 1/2"	1	
31	2200221	Plug, Pipe 1/8" NPT	1	
32	2200224	Plug, Pipe 3/8" NPT	2	
33	2200222	Plug, Pipe 1/4" NPT	1	
34 to 35	Not Used			
36	3340566	Pad, Wear	1	
		— — — — — — — — — —		
	0100020	Sealant, Pipe	A/R	

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FIGURE 7-8. ELECTRICAL COMPONENTS AND DIAGRAM CHART

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		ELECTRICAL COMPONENTS AND DIAGRAM CHART	Ref.	
		Note: Diagrams with Asterisk (*) are shown in preceding pages. Diagrams not shown are available from the JLG Service Department.		
		Alarm Wiring Diagrams	Ref.	
	4932507	**Alarms Electrical Diagram (Travel, Backup, Swing and Descent) (Prior to April 1993)**	Ref.	—
	0610091	Card, Circuit	1	
	3740049	Relay	1	
	4932639/1282091	**Alarms Electrical Diagram (Backup, Swing and Descent) (April 1993 to Present)**	Ref.	2/C
	4932638/1282091	**Alarms Electrical Diagram (Travel) (April 1993 to Present)**	Ref.	2/C
	3740049	Relay	1	
	3990010	Diode 6 Amp	2	
	1060341	Cable, Electrical - 16/2	11Ft/3.4m	
	0253077	**Alarm Electrical Diagram (Tilt)**	Ref.	5
	0140026	Alarm	1	
	1540002	Capacitor	1	
	1281819	**Boom Electric Components**	Ref.	H
	1060394	Cable, Electrical - 10/4 Options:		
		Prior to S/N 37026	140 ft./43m	
		S/N 37026 to Present	149ft/45.4m	
	1060392	Cable, Electrical - 16/36 Options:		
		Prior to S/N 37026	140 ft./43m	
		S/N 37026 to Present	149ft/45.4m	
	4931961*	**Boom Length Indicator Electrical Diagram**	Ref.	1
	3730024	Resistor - 100 ohms/1/2 watt	1	
	0255152	**Engine Distress Electrical Diagram**	Ref.	3
	4360179	Switch, Temperature	1	
	4360065	Switch, Oil Pressure	1	
	4932892	**Engine Shutdown Electrical Diagram (Broken Fan Belt)**	Ref.	—
	4921886	Harness	1	
	3740080	Relay, Bosch	1	
	4932434/1281684*	**Four Wheel Steer Electrical Diagram**	Ref.	—/A
	1060042	Cable, Electrical - 16/5	15 ft./4.6m	
	4460049	Connector, Strain Relief (Locate at Ground Control Box)	1	
	3300047	Nut, Conduit	1	
	0960239	Bushing	1	

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