Illustrated Parts Manual

Model
510AJ

SN E300001114
TO PRESENT

3121294

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ANSI

An Oshkosh Corporation Company

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FIGURE 3-2. MAIN BOOM INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**MAIN BOOM AND CYLINDERS INSTALLATION**	
		Ref	**Booms and Cylinders Installations**	
	0272496	Ref	**Without SkyPower**	F
	1001154941	Ref	**With SkyPower**	A
		Ref	**Boom Assemblies**	
	1001098639	Ref	**Without SkyPower**	D
	1001154937	Ref	**With SkyPower**	A
101	0100011	AR	Compound, Locking	
105	0641608	1	Bolt 3/8in-16NC x 1in	
106	0641610	1	Bolt 3/8in-16NC x 1-1/4in	
108	0641810	2	Bolt 1/2in-13NC x 1-1/4in	
109	0641812	1	Bolt 1/2in-13NC x 1-1/2in	
112		Ref	Main Boom Assembly Options (See MAIN BOOM ASSEMBLY and Items 201-266 for Breakdown):	
112	0801337	1	Without SkyPower	
112	1001154938	1	With SkyPower	
116	1684241	1	Master Cylinder Assembly (See CYLINDER SECTION for Breakdown)	
117	1684244	1	Upper Lift Cylinder Assembly (See CYLINDER SECTION for Breakdown)	
118	3311605	1	Locknut 3/8in-16NC	
119	3311805	1	Locknut 1/2in-13NC	
122	3422177	2	Pin	
123	3422178	1	Pin	
124	3422582	1	Pin	
126	3422806	1	Pin	
132	3841143	2	Keeper, Pin	
133	3841203	3	Keeper, Pin	
		Ref	**JIB INSTALLATIONS**	
	0801337	Ref	**Without SkyPower**	M
	1001154938	Ref	**With SkyPower**	B
201	0060050	NLA	Rotator Assembly (Note: Use p/n 0060096) (See ROTATOR ASSEMBLY for Breakdown) **(SN E300001114 through E300002465)**	
201	0060096	1	Rotator Assembly (See ROTATOR ASSEMBLY for Breakdown) **(SN E300002466 to Present)**	
202	0100011	AR	Compound, Locking	
209	0641518	2	Bolt 516in-18NC x 2-1/4in	
211	0641607	1	Bolt 3/8in-16NC x 7/8in	
212	0641610	1	Bolt 3/8in-16NC x 1-1/4in	
213	0641616	4	Bolt 3/8in-16NC x 2in	
214	0641618	2	Bolt 3/8in-16NC x 2-1/4in	
215	0641810	1	Bolt 1/2in-13NC x 1-1/4in	
221	0962292	2	Bushing	
222	0961948	2	Bushing	
223	0961950	2	Bushing	
224	0961951	2	Bushing	
229	1671083	2	Cover, Jib Hose	
231	1001094789	1	Level (Platform Slave) Cylinder Assembly (See CYLINDER SECTION for Breakdown)	
232	1684242	1	Jib Lift Cylinder Assembly (See CYLINDER SECTION for	

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FIGURE 4-2. PLATFORM INSTALLATION (WITH SKYGUARD)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**PLATFORM ASSEMBLY WITH GATE**	
	1001188312	Ref	**6ft (1.83m) with No Mesh**	B
	1001188315	Ref	**5ft (1.52m) with No Mesh**	B
	1001188319	Ref	**4ft (1.22m) with No Mesh**	B
		Ref	**Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.**	
		Ref	**Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.**	
1	2080040	16	Fastener, Huck	
2	2600281	2	Hinge, Self-Closing	
3	2940074	1	Latch	
4	3820020	4	Rivet, Pop	
5	1001144629	1	Gate Weldment	
6	1001145781	5	Cap-Plug	
7	See Note	1	Platform Weldment (Note: Not Available - Purchase Platform Assembly)	
		Ref	**PLATFORM ASSEMBLY WITH DROP-BAR**	
	1001188311	Ref	**6ft (1.83m) with No Mesh**	B
	1001188314	Ref	**5ft (1.52m) with No Mesh**	B
	1001188318	Ref	**4ft (1.22m) with No Mesh**	B
		Ref	**Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.**	
		Ref	**Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.**	
101	0100011	AR	Compound, Locking	
102	0641418	2	Bolt 1/4in-20NC x 2-1/4in	
103	0961845	2	Bushing	
104	3290606	2	Nut M6	
105	3300151	2	Nut, Acorn	
106	4010618	2	Screw M6 x 50mm	
107	4711400	4	Flatwasher 1/4in	
108	4811700	2	Flatwasher M6	
109	1001138494	1	Bar, Drop	
110	1001138514	1	Rail (Top)	
111	1001140429	1	Decal - Drop-Bar	
112	1001145781	4	Cap-Plug	
113	See Note	1	Platform Weldment (Note: Note Available - Purchase Platform Assembly)	
	1001190119	Ref	**CONSOLE BOX AND FOOTSWITCH INSTALLATION**	A
201	0641406	2	Bolt 1/4in-20NC x 3/4in	
202	0641408	3	Bolt 1/4in-20NC x 1in	
203	0641610	4	Bolt 3/8in-16NC x 1-1/4in	
204	3311405	5	Locknut 1/4in-20NC	
205	3311605	4	Locknut 3/8in-16NC	
206	3380434	1	Panel, Decal Mount	
207	4740362	1	Washer, Fender 1/4in	
208	4751600	8	Flatwasher 3/8in Regular	
209		Ref	Platform Console Box Assembly (Not Shown) (See PLATFORM CONSOLE ASSEMBLY (WITH SKYGUARD) for Breakdown)	
209A	1001117174	1	Footswitch Assembly (Includes Footswitch and Items 209B-	B

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272165	Ref	Decal Installation - Warning Stripes	
		Ref	**Decal Kits Options:**	
	1001108725	Ref	Decal Kit - Platform	
	1001119559	Ref	Decal Kit - Platform Console Box	
		Ref	**Electrical Connector Kits**	
	1001148902	Ref	Amp/Tyco Electrical Connector Kit	
	1001148903	Ref	Deutsch DT Electrical Connector Kit	
	1001148904	Ref	Deutsch HD Electrical Connector Kit	
	1001148905	Ref	Packard Electrical Connector Kit	
	1001148906	Ref	Various Electrical Connectors Kit	
	1001185077	Ref	**Fan and Belt Shield Installation (Deutz D2011 Engines)**	
	1001182598	Ref	**Fan Guard (Deutz D2011 Engines)**	
		Ref	**Filter Kits**	
		Ref	**Boom Hydraulic Air Filter Kit Options:**	
	1001109698	Ref	Deutz Engine Machines	
		Ref	**Combined Filter Kit Options:**	
	1001156538	Ref	Caterpillar Engine Machines	
	1001156539	Ref	Deutz Engine Machines	
		Ref	**Engine Fuel/Oil Filter Kit Options:**	
	1001110138	Ref	Deutz Engines	
		Ref	**Fluids**	
	2300004	Ref	Coolant, Antifreeze (Caterpillar Engine Machines)	
	3020021	Ref	Engine Coupling Grease	
	3020016	Ref	Engine Oil 15W-40	
		Ref	Hydraulic Fluids:	
	2300014	Ref	Mobil 424	
	2300027	Ref	Mobil 224H Bio	
	2300029	Ref	Mobil EAL ISO 46 Bio	
	2300016	Ref	Mobil DTE 10 Excel 32	
	2300019	Ref	Quaker State Quintolubric 888-46 Fire Resistant	
	2300039	Ref	Exxon Univis Hvl 26 (Machines with Arctic Package)	
	3020008	Ref	Lubricant 80W-90 (Torque Hubs)	
	1001094475	Ref	**Hourmeter for Generator Installation**	
	1001148971	Ref	**Lanyard (Bolt-On) Kit Installation**	
		Ref	**Oil Cooler Installation**	
	1001142867	Ref	**Deutz Engines**	
	1001142868	Ref	**Caterpillar Engines**	
	0274661	Ref	**Pipe Jack**	
	0258703	Ref	**Platform Console Cover Installation (SN E300001114 through E300002416)**	
	1001195304	Ref	**Platform Console Cover Installation (SN E300002544 to Present)**	
	1001205175	Ref	**Platform Console Cover Kit**	
	2915227	Ref	**Platform Conversion Kit (Side Entry)**	
		Ref	**Platform Entry Kits**	
	1001142504	Ref	**Drop Bar (Replacing Swing Gate with Drop Bar)**	
	1001142505	Ref	**Swing Gate (Replacing Drop Bar with Swing Gate)**	
		Ref	**Platform Mesh Installations (Side Entry Platforms) (ANSI Export Specs Only)**	
	0273146	Ref	**30in X 5ft (76cm x 1.52m) Mesh to Top Rail**	
	0273147	Ref	**30in X 4ft (76cm x 1.22m) Mesh to Top Rail**	
		Ref	**Platform Mesh Installation Kits (Side Entry Platforms)**	

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