Illustrated Parts Manual

Models
100HX
110HX
100HX+10

3120801

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An Oshkosh Truck Corporation Company

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FIGURE 1-1. STEERING AND AXLE/WHEEL DRIVE INSTALLATIONS

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
	2360280	**FRAME WELDMENT**	Ref.	
	1281982	**STEERING INSTALLATION**	Ref.	F
	0239122	**Standard**	Ref.	5
	0259555	**Standard (Machines with Tow Bar Package) (S/N 47309 to Present)**	Ref.	1
1	1681934	Steer Cylinder Assembly (See Section 5 for Break-down)	1	
2	4843050	Tie-Rod Assembly	1	
2A	3420620	Pin, Quick Release	1	
3	3421553	Kingpin	2	
4	4740314	Washer, Thrust	2	
5	3960243	Seal, Hub	2	
6	3300007	Nut, Wheel	24	
7	0630078	Stud, Wheel	24	
8	2780159	Hub Assembly (Includes Item 7)	2	
9	1120347	Cap, Hub	2	
10	0721003	Bolt #10-24NC x 3/8"	8	
11	4761000	Lockwasher #10	8	
12	4740347	Washer, Hardened	2	
13	3323803	Nut, Slotted 1 3/4"-12NF	2	
14	3324203	Nut, Slotted 2"-12NF	2	
15	0440190	Cup, Bearing	4	
16	0440191	Cone, Bearing	4	
17	3451012	Pin, Cotter 5/16" x 3"	4	
18	3421524	Pin, Steer Cylinder	1	
19	3312602	Nut, Jam 1"- 8NC	2	
20	4740111	Washer, Thrust	5	
21	2160002	Fitting, Grease	3	
22	0642644	Bolt 1"-8NCx 5 1/2"	2	
23	0560605	Block	2	
24	3323002	Nut, Jam 1 1/4" - 12 NF	2	
25	0641507	Bolt 5/16"-18NC x 7/8"	2	
26	4761500	Lockwasher 5/16"	2	
27	3532561	Plate, Retainer	1	
28		Spindle (Left Side) Options:	1	
	4130206	Standard		
	4130370	Standard (Machines With Tow Bar Package)		
28A	0960821	Bushing, Bronze	2	
29	3421330	Pin, Clevis (Prior to S/N 33256)	1	
	3422635	Pin, Clevis (S/N 33256 to Present)	1	
	See Note	3421330 Pin (Prior to S/N 33256) (Note Recommend using 3422635 in place of original 3421330)		
30	3420158	Hairpin	1	
31	4712600	Flatwasher 1"	1	
32	4130205	Spindle (Right Side)	1	
	0960821	Bushing, Bronze	2	
33	0100011	Loctite #242 (Not Shown)	A/R	

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SECTION 1 FRAME

FIGURE 1-1. STEERING AND AXLE/WHEEL DRIVE INSTALLATIONS (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
34	3760170	Ring, Quick Release	2	
35	1260017	Chain	8in/20cm	
36	2160001	Fitting, Grease - 90°	2	
37	2160003	Fitting, Grease - 45°	1	
	0239089	**AXLES INSTALLATION**	Ref.	9
101	4843031	Inner Axle Weldment (Front Right Side)	1	
102	4843030	Inner Axle Weldment (Front Left Side)	1	
103	3972218	Setscrew 3/4"-10NC x 2 1/4"	16	
104	3312202	Nut, Jam 3/4"-10NC	16	
105	0361632	Bar	2	
106	4070576	Shim 1/32"	2	
107	4070577	Shim 1/16"	2	
108	0642008	Bolt 5/8"-11NC x 1"	8	
109	4712000	Flatwasher 5/8"	8	
110	3311505	Locknut 5/16"-18NC	12	
111	4300032	Stud (Welded on Part)	4	
112	4761400	Lockwasher 1/4"	8	
113	4843032	Bushing Weldment	4	
114	3760106	D-Ring	4	
115	1260017	Chain #3	64in/1.6m	
116	3421546	Pin, Axle Lock	4	
117	3421565	Snap-Pin	4	
118	3760170	Ring, Quick Release	4	
119	3340527	Wear Pad	4	
120	0560674	Block, Axle Shim	8	
121	0560673	Block, Axle Shim	2	
122	1681964	Axle Extension Cylinder Assembly Options (See Section 5 for Breakdown)	2	
123	3760140	Ring, Retaining	8	
124	3421549	Pin, Attaching (Front Axle Cylinder)	2	
125	0560675	Block, Axle Shim	2	
126	0641406	Bolt 1/4"-20NC x 3/4"	8	
127	4751400	Flatwasher 1/4"	12	
128	0100011	Loctite #242 (Not Shown)	A/R	
129	0361631	Bar, Wear	2	
130	4070574	Shim 1/16"	2	
131	4070575	Shim 1/32"	2	
132	3421548	Pin, Attaching (Rear Axle Cylinder)	2	
133	3532592	Plate, Cover	1	
134	0641403	Bolt 1/4"-20NC x 5/8"	4	
135	3532590	Plate, Cover	2	
136	3532591	Plate, Cover	2	
137	3300151	Nut, Acorn	4	
138	4843028	Inner Axle Weldment (Rear Right Side)	1	
139	4843023	Inner Axle Weldment (Rear Left Side)	1	
140	0641505	Bolt 5/16"-18NC x 5/8"	16	
141	4761500	Lockwasher 5/16"	16	
142	4070670	Shim 1/8"	A/R	

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FIGURE 1-1. STEERING AND AXLE/WHEEL DRIVE INSTALLATIONS (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
143	4070672	Shim 1/32"	A/R	
144	4070674	Shim 1/16"	A/R	
	0239152	**WHEEL DRIVE INSTALLATION**	Ref.	3/B
201	2780155	Hub Assembly (See Figure 1-2 for Breakdown)	2	
202		Brake Assembly Options:	2	
	0920072	Prior to March 1992 (See Figure 1-3 for Breakdown)		
	0920084	March 1992 to S/N 33476 (See Figure 1-4 for Breakdown)		
	0920110	S/N 33476 to Present (See Figure 1-4 for Breakdown)		
	0920119	Optional Replacement (Note: Can be used as suitable replacement. Requires P/N 4300097 5-1/8" long Stud) (was p/n 0920117)		
		Note: Repair Kit p/n 7018612 & Mounting Face Gasket p/n 7000731 are only Service Parts available for Brake p/ns 0920119 & 0920117.		
203		Motor Assembly Options:	2	
	Use 1001096405	Original Equipment (was p/n 3160132 - See Figure 1-5 for Breakdown)		
	1001096405	Service Replacement Kit (See Figure 1-6 for Breakdown)		
204	4300092	Stud 1/2"-13NC x 5 1/2"	4	
205	4751800	Flatwasher 1/2"	4	
206	4761800	Lockwasher 1/2"	4	
207	3311801	Nut 1/2"-13NC	4	
208	0642216	Bolt 3/4"-10NC x 2"	24	
209	4762200	Lockwasher 3/4" Narrow	24	
210	3300007	Lugnut 3/4"-16NF	24	
		TIRE AND WHEEL INSTALLATIONS	Ref.	
		Note: Assemblies may require ballast/foam filling to manufacturer's specifications prior to installing on a machine. Refer to Operation & Safety or Service & Maintenance Manuals. Purchase individual tire and/or rim only if able to foam fill tire & wheel assembly, otherwise, purchase complete assembly.		
301	0239344	Tire and Wheel Assembly - 15 x 22.5 Foam-Filled (Prior to April 1993)	A/R	
	0253929	Tire and Wheel Assembly - 385/65R22.5 Foam-Filled (April 1993 to S/N 44997)	A/R	
	0259456	Tire and Wheel Assembly - 385/65R22.5 Foam-Filled L.H. (S/N 44997 to Present)	2	
	0259442	Tire and Wheel Assembly - 385/65R22.5 Foam-Filled R.H. (S/N 44997 to Present)	2	

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SECTION 2 TURNTABLE

FIGURE 2-1. TURNTABLE, BOOM AND CUTOUT SWITCH INSTALLATIONS (4620044 TURNTABLE MACHINES) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		BOOM INSTALLATION (VARIABLE PARTS)	Ref.	
	0250612	**110HX Prior To Early 1990**	Ref.	—
	0251019	**110HX Early 1990 To May 1992**	Ref.	D
	0239863	**110HXER Prior To Early 1990**	Ref.	D
	0251018	**110HXER Early1990 To May 1992**	Ref.	C
151		Master Cylinder Assembly Options (See Section 5 for Breakdown):	1	
	1681978	110HX		
	1681580	110HXER		
152		Pin Options:	1	
	3421586	110HX		
	0236548	110HXER		
153		Flatwasher, Special Options:	A/R	
	Not Required	110HX	0	
	4740006	110HXER	1	
154		Bolt 3/8"-16NC x 1" Options:	1	
	Not Required	110HX		
	0641608	110HXER		
155		Lockwasher 3/8" Options:	3	
	Not Required	110HX		
	4761600	110HXER		
156		Pin Options:	1	
	3421561	110HX		
	3420085	110HXER		
157		Pin, Cotter 3/16" x 2 1/2" Options:	2	
	Not Required	110HX		
	3450610	110HXER		
	0251007	**HORIZONTAL CUTOUT LIMIT SWITCH INSTALLATION (RIGHT SIDE)**	Ref.	2/B
201	4360277	Switch, Limit	1	
202	4360236	Head, Actuator	1	
203	4360278	Roller and Arm	1	
204	0560984	Block, Switch Mounting	1	
205	3900168	Bolt, Socket Head #10-24NC Special	2	
206	4920140	Lockwire	1	
207	4460052	Connector, Strain Relief	1	
208	1100048	Cam	1	
209	1120372	Cap	1	
210	0681812	Bolt 1/2"-13NC x 1 1/2" (Grade 8)	2	
211	4740171	Washer, Special Hardened	2	
212	Not Used			
213	0641408	Bolt 1/4"-20NC x 1"	2	
214	4761400	Lockwasher 1/4"	2	
		— — — — — — — — — —		
	0100019	Loctite #271	A/R	

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FIGURE 4-8. OPTIONAL COMMON PLATFORM MOUNTED COMPONENTS (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
	1281083	**PLATFORM BUMPERS INSTALLATION (WELDED-ON TYPE)**	Ref.	I
	0250689	**3' x 5' STANDARD PLATFORM (100HX/110HX)**	Ref.	C
	0250071	**3' x 6' STANDARD PLATFORM (100HX/110HX)**	Ref.	C
	0239743	**3' x 8' STANDARD PLATFORM (100HX/110HX)**	Ref.	D
	0251349	**3' x 5' EXTEND-A-REACH PLATFORM (110HXER/ 100HX+10) (PRIOR TO MAY 1992)**	Ref.	
	0251350	**3' x 6' EXTEND-A-REACH PLATFORM (110HXER/ 100HX+10) (PRIOR TO MAY 1992)**	Ref.	
	0250919	**3' x 5' LOW MOUNT PLATFORM (110HXER/ 100HX+10) (MAY 1992 TO PRESENT)**	Ref.	
	0253426	**3' X 6' LOW MOUNT PLATFORM (110HXER/ 100HX+10) (MAY 1992 TO PRESENT)**	Ref.	A
	0252902	**3' X 8' LOW MOUNT PLATFORM (110HXER/ 100HX+10) (MAY 1992 TO PRESENT)**	Ref.	A
201	4360215	Switch, Proximity	4	
	4460521	Connector, Strain Relief	4	
202	0940038	Padding, Bumper	A/R	
203	4360274	Switch, Push Button (Override)	1	
	3251596	Nameplate - Override	1	
	3740049	Relay (Not Shown)	1	
	1282197	**PLATFORM BUMPERS INSTALLATION - SOFT TOUCH SYSTEM (CHAIN MOUNTED TYPE)**	Ref.	D
	0254463	**3' x 5' LOW MOUNT PLATFORM (110HXER/ 100HX+10)**	Ref.	6
	0254464	**3' x 6' LOW MOUNT PLATFORM (110HXER/ 100HX+10)**	Ref.	7
	0254465	**3' x 8' LOW MOUNT PLATFORM (110HXER/ 100HX+10)**	Ref.	7
251	0630440	Eyebolt	8	
	3010088	Link, Quick	8	
	1260136	Chain	A/R	
252	4360057	Switch, Limit	1	
	0200048	Arm, Actuator	1	
253	0940038	Padding (Bottom Rail)	A/R	
	1670663	Padding (Rail Behind Console Box) (Prior to S/N 44770)	1	
	1670664	Padding (LH Top Rail - 36" x 60" Platform)	1	
	1670715	Padding (LH Top Rail - 36" x 72" Platform)	1	
	1670720	Padding (LH Top Rail - 36" x 96" Platform)	1	
	1670665	Padding (Vertical Rails)	4	
	1670666	Padding (Gate)	1	
	1670667	Padding (RH Top Rail - 36" x 60" Platform)	1	
	1670716	Padding (RH Top Rail - 36" x 72" Platform)	1	
	1670721	Padding (RH Top Rail - 36" x 96" Platform)	1	
	1670671	Padding (LH Mid Rail - 36" x 60" Platform)	1	
	1670717	Padding (LH Mid Rail - 36" x 72" Platform)	1	

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SECTION 7 ELECTRICAL

FIGURE 7-1. ELECTRICAL DIAGRAM LIST (Continued)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
	4932492	**French Spec Wiring Diagram (Prior to S/N 28224)**	Ref.	C
	1693405	Relay, Timer	1	
	1693406	Clip, Retainer	1	
	1692927	Socket, Relay	1	
	4931858	**Generator Wiring Diagram - 110V (Deutz)**	Ref.	A
	3990001	Diode - 3.5 Amp	1	
	0252928	**Heaters Wiring Diagram**	Ref.	F
	4932312	**Horizontal Drive Cutout (Italian Spec) (Prior to S/N 8224)**	Ref.	A
	3740057	Relay (Located in Ground Control Box)	1	
	4120012	Socket, Relay (Located in Ground Control Box)	1	
	3740066	Spring, Relay (Located in Ground Control Box)	1	
	4931941	**Lights Wiring Diagram - Headlights and Taillights (Prior to January 1995)**	Ref.	E
	4360232	Breaker, Circuit - 15 Amp	1	
	3740049	Relay - SPDT	1	
	4360199	Switch, Toggle	1	
	4460052	Connector, Strain Relief	1	
	3300047	Nut, Conduit	1	
	3251019	Nameplate - Lights On/Off	1	
	1282370	**Lights Wiring Diagram (January 1995 to Present)**	Ref.	C
	4933007	**Load Sensing System (French Spec)**	Ref.	1/A
	0255274	**Low Oil Pressure Shutdown Wiring Diagram**	Ref.	3
	2920026	Lamp, Indicator	1	
	2920029	Bulb, Light	1	
	4360065	Switch, Oil Pressure	1	
	3740049	Relay (In Platform Console Box)	1	
	3990010	Diode - 6 Amp	1	
	3740080	Relay (In Platform Console Box)	1	
	3252074	Nameplate - Engine Distress	1	
	1692883	**Manual Descent Wiring Diagram (French & Italian Spec) (Prior to January 1993)**	Ref.	C
	4932607	**Manual Descent Wiring Diagram (French & Italian Spec) (January 1993 to Present)**	Ref.	2
	3990001	Diode	3	
	3990010	Diode (January 1993 to Present)	1	
	3740049	Relay	1	
	3740274	Switch, Push Button	1	
	1701746	Decal - Manual Descent	1	
	0252917	**Oil Cooler Wiring Diagram**	Ref.	3

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