Illustrated Parts Manual

Model
740AJ

With ADE or UGM
CONTROL MODULE
SN 0300185828
to Present

P/N
3121652

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ANSI

An Oshkosh Corporation Company

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TABLE OF CONTENTS

SECTION 1 - FRAME 9

FIGURE 1-1. AXLE AND STEERING INSTALLATION WITHOUT TOW PACKAGE 10
FIGURE 1-2. AXLE AND STEERING INSTALLATION WITH TOW PACKAGE (SN 0300185828 through 0300201336) 12
FIGURE 1-3. AXLE AND STEERING INSTALLATION WITH TOW PACKAGE (SN 0300201337 to Present) 16
FIGURE 1-4. TIRE AND WHEEL DRIVE INSTALLATIONS 20
FIGURE 1-5. DRIVE HUB/BRAKE ASSEMBLY (SN 0300185828 through 0300244579) 22
FIGURE 1-6. DRIVE HUB/BRAKE ASSEMBLY (SN 0300244580 to Present) 26
FIGURE 1-7. DRIVE MOTOR ASSEMBLY 28
FIGURE 1-8. FRAME VALVES AND SHIELDS INSTALLATIONS 30
FIGURE 1-9. TOW PACKAGE INSTALLATION 32

SECTION 2 - TURNTABLE 35

FIGURE 2-1. CONTROL VALVES AND AUXILIARY PUMP INSTALLATIONS 36
FIGURE 2-2. MAIN CONTROL VALVE ASSEMBLY (SN 0300185828 through 0300194175) 40
FIGURE 2-3. MAIN CONTROL VALVE ASSEMBLY (SN 0300194176 through 0300240506) 44
FIGURE 2-4. MAIN CONTROL VALVE ASSEMBLY (SN 0300240507 to Present) 48
FIGURE 2-5. ACCESSORY VALVE ASSEMBLY 52
FIGURE 2-6. AUXILIARY PUMP ASSEMBLY 54
FIGURE 2-7. TURNTABLE BEARING AND SWING DRIVE INSTALLATION 56
FIGURE 2-8. SWING MOTOR/HUB ASSEMBLY 58
FIGURE 2-9. DEUTZ D2011 ENGINE INSTALLATION 62
FIGURE 2-10. DEUTZ TD2.9L4 ENGINE INSTALLATION 70
FIGURE 2-11. FORD ENGINE INSTALLATION 82
FIGURE 2-12. GM ENGINE INSTALLATION 94
FIGURE 2-13. HYDROSTATIC PUMP ASSEMBLY (SN 0300185828 through 0300207789) 100
FIGURE 2-14. HYDROSTATIC PUMP ASSEMBLY (SN 0300207790 through 0300240878) 104
FIGURE 2-15. HYDROSTATIC PUMP ASSEMBLY (SN 0300240879 to Present) 106
FIGURE 2-16. VARIABLE PUMP ASSEMBLY 108
FIGURE 2-17. FUEL-WATER SEPARATOR INSTALLATION - DEUTZ TD2011 (OPTIONAL) 112
FIGURE 2-18. FUEL-WATER SEPARATOR INSTALLATION (DEUTZ TD2.9L4 ENGINE) (SN 0300236625 to Present) 114
FIGURE 2-19. TANK INSTALLATIONS 116
FIGURE 2-20. LP TANK INSTALLATIONS (GM ENGINE MACHINES ONLY) 120
FIGURE 2-21. ROTARY COUPLING INSTALLATION 122
FIGURE 2-22. GROUND CONTROL BOX ASSEMBLY 124
FIGURE 2-23. ELECTRICAL OPTIONS INSTALLATION (TURNTABLE MOUNTED) 128
FIGURE 2-24. HOODS INSTALLATION (ABS) 132
FIGURE 2-25. HOODS INSTALLATION (STEEL) 138
FIGURE 2-26. ENGINE TRAY JACK INSTALLATION (OPTIONAL) 144
FIGURE 2-27. 2500W 110V/60HZ GENERATOR INSTALLATION - DEUTZ D2011 MACHINES (OPTIONAL) (ANSI AND ANSI EXPORT SPECS) 146
FIGURE 2-28. 2500W GENERATOR INSTALLATION - DEUTZ TD2.9L4 MACHINES (OPTIONAL) 148
FIGURE 2-29. 2500W GENERATOR INSTALLATION - FORD MACHINES (OPTIONAL) 150
FIGURE 2-30. 2500W GENERATOR INSTALLATION - GM MACHINES (OPTIONAL) 154
FIGURE 2-31. 4000W GENERATOR INSTALLATION - DEUTZ D2011 ENGINES 158
FIGURE 2-32. 4000W GENERATOR INSTALLATION - DEUTZ TD2.9L4 ENGINES 162
FIGURE 2-33. 4000W GENERATOR INSTALLATION - GM ENGINES 166
FIGURE 2-34. 7500W SKYPOWER GENERATOR INSTALLATION - DEUTZ ENGINE MACHINES 170
FIGURE 2-35. 7500W SKYPOWER GENERATOR INSTALLATION - FORD ENGINES 174
FIGURE 2-36. SKYAIR AIR COMPRESSOR INSTALLATION 178
FIGURE 2-37. AIR COMPRESSOR ASSEMBLY 180
FIGURE 2-38. AUXILIARY PUMP WITHOUT BATTERY DISCONNECT (SN 0300240507 to Present) 184
FIGURE 2-39. AUXILIARY PUMP WITH BATTERY DISCONNECT (SN 0300240507 to Present) 186
FIGURE 2-40. BATTERY DISCONNECT (SN 0300240507 to Present) 188

SECTION 3 - BOOM 191

FIGURE 3-1. BOOM AND CYLINDERS INSTALLATION 192
FIGURE 3-2. MAIN BOOM ASSEMBLY 198
FIGURE 3-3. ROTATOR ASSEMBLY 202
FIGURE 3-4. PLATFORM SUPPORT INSTALLATION - WITH 4 CELL LSS 204
FIGURE 3-5. PLATFORM SUPPORT INSTALLATION - WITH 1 CELL LSS 206
FIGURE 3-6. VALVE AND LIMIT SWITCH INSTALLATIONS (BOOM MOUNTED) 208

SECTION 4 - PLATFORM 213

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TABLE OF CONTENTS

FIGURE 4-1. PLATFORM COMPONENTS INSTALLATION 214
FIGURE 4-2. PLATFORM CONSOLE ASSEMBLY (WITHOUT SKYGUARD) 218
FIGURE 4-3. PLATFORM CONSOLE ASSEMBLY (WITH SKYGUARD) 222
FIGURE 4-4. CONTROLLER ASSEMBLY - SWING AND LIFT (SN 0300185828 through 0300194175) 226
FIGURE 4-5. CONTROLLER ASSEMBLY - SWING AND LIFT (SN 0300194176 to Present) 228
FIGURE 4-6. CONTROLLER ASSEMBLY - DRIVE AND STEER (SN 0300185828 through 0300194175) 232
FIGURE 4-7. CONTROLLER ASSEMBLY - DRIVE AND STEER (SN 0300194176 to Present) 234
FIGURE 4-8. SOFT TOUCH SYSTEM INSTALLATION (OPTIONAL) 236
FIGURE 4-9. SKYEYE INSTALLATION 238
FIGURE 4-10. SKYGUARD SYSTEM INSTALLATION 240
FIGURE 4-11. SKYLINE INSTALLATION 242
FIGURE 4-12. CROSS RAIL INSTALLATION 244

SECTION 5 - CYLINDER 247

FIGURE 5-1. LEVEL (SLAVE) CYLINDER ASSEMBLY - JIB (SN 0300185828 through 0300240878) 248
FIGURE 5-2. LEVEL (SLAVE) CYLINDER ASSEMBLY - JIB (SN 0300240879 to Present) 250
FIGURE 5-3. LEVEL (SLAVE) CYLINDER ASSEMBLY - UPRIGHT (SN 0300185828 through 0300240506) 252
FIGURE 5-4. LEVEL (SLAVE) CYLINDER ASSEMBLY - UPRIGHT (SN 0300240507 to Present) 254
FIGURE 5-5. LIFT CYLINDER ASSEMBLY - JIB (SN 0300185828 through 0300245050) 256
FIGURE 5-6. LIFT CYLINDER ASSEMBLY - JIB (SN 0300245051 to Present) 258
FIGURE 5-7. LIFT CYLINDER ASSEMBLY - MAIN BOOM (SN 0300185828 through 0300240506) 260
FIGURE 5-8. LIFT CYLINDER ASSEMBLY - MAIN BOOM (SN 0300240507 to Present) 262
FIGURE 5-9. LIFT CYLINDER ASSEMBLY - TOWER BOOM (SN 0300185828 through 0300240506) 264
FIGURE 5-10. LIFT CYLINDER ASSEMBLY - TOWER BOOM (SN 030040507 to Present) 266
FIGURE 5-11. MASTER CYLINDER ASSEMBLY (SN 0300185828 through 0300243317) 268
FIGURE 5-12. MASTER CYLINDER ASSEMBLY (SN 0300243318 to Present) 270
FIGURE 5-13. STEER CYLINDER ASSEMBLY 272
FIGURE 5-14. STEER CYLINDER ASSEMBLY (SN 0300185828 through 0300201336) 274
FIGURE 5-15. TELESCOPE CYLINDER ASSEMBLY - MAIN BOOM 276
FIGURE 5-16. TELESCOPE CYLINDER ASSEMBLY - MAIN BOOM (SN 0300243318 to Present) 278

SECTION 6 - HYDRAULIC 281

FIGURE 6-1. DRIVE HYDRAULIC DIAGRAM (SN 0300185828 through 0300196955) 282
FIGURE 6-2. DRIVE HYDRAULIC DIAGRAM (SN 0300196956 to Present) 286
FIGURE 6-3. STANDARD HYDRAULIC DIAGRAM (SN 0300185828 through 0300194139) 290
FIGURE 6-4. STANDARD HYDRAULIC DIAGRAM (SN 0300194140 through 0300196855) 294
FIGURE 6-5. STANDARD HYDRAULIC DIAGRAM (SN 0300196956 to Present) 298
FIGURE 6-6. HYDRAULIC DIAGRAM LIST 302

SECTION 7 - ELECTRICAL 303

FIGURE 7-1. ELECTRICAL DIAGRAM LIST 304
FIGURE 7-2. HARNESS COMPONENTS INSTALLATION 306
FIGURE 7-3. SKYEYE INTERMEDIATE HARNESS 324
FIGURE 7-4. SKYEYE EMITTER HARNESS 326
FIGURE 7-5. SKYEYE RECEIVER HARNESS 328
FIGURE 7-6. SKYLINE HARNESS 330

SECTION 8 - DECALS 333

FIGURE 8-1. DECAL INSTALLATION (ANSI AND CSA SPEC) 334
FIGURE 8-2. DECAL INSTALLATION (AUSTRALIAN AND CE SPECS) 338

SECTION 9 - RECOMMENDED SERVICE PARTS STOCK 341

FIGURE 9-1. MODEL 740AJ STANDARD PARTS 342
FIGURE 9-2. MODEL 740AJ VARIABLE PARTS 344

SECTION 10 - SPECIAL OPTIONS 345

FIGURE 10-1. SPECIAL OPTIONS 346

PART NUMBER INDEX 351

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FIGURE 2-1. CONTROL VALVES AND AUXILIARY PUMP INSTALLATIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	VALVES INSTALLATION	
		Ref	Machines without LSS or with 4 Cell LSS:	
	1001156797	Ref	Valves Installation **(SN 0300185828 through 0300194175)**	C
	1001170134	Ref	Valves Installation **(SN 0300194176 to Present)**	F
		Ref	Machines with 1 Cell LSS:	
	1001219986	Ref	Valves Installation	B
1	0100011	AR	Compound, Locking	
2	0641416	2	Bolt 1/4-20 x 2	
3	0641418	2	Bolt 1/4-20 x 2-1/4	
4	0641606	AR	Bolt 3/8-16 x 3/4	
5	0641614	3	Bolt 3/8-16 x 1-3/4	
6	0651406	3	Bolt 1/4-28 x 3/4	
7	3841340	1	Loop, Hose	
8	2120167	1	Return Filter Assembly **(SN 0300185828 through 0300196955)**	
8	2120168	1	Element, Filter	
8	7020021	1	Indicator, Clogged	
9	2120209	1	Pressure Filter Assembly	
9	2120210	1	Element, Filter	
9	70000934	1	O-Ring, Filter Bowl	
9	7020020	1	Indicator, Clog	
10	2220893	1	Fitting, Adapter **(SN 0300185828 through 0300196955)**	
11	3311405	2	Nut 1/4-20	
12	4640866	1	Valve Assembly (Level)	
12A	7017466	1	Cartridge	
12A	2900708	NLA	Seal Kit - Cartridge (Use p/n 7017496)	
12B	7012959	1	Knob	
13	4640921	1	Valve Assembly - Jib (See ACCESSORY VALVE ASSEMBLY for Breakdown) **(SN 0300185828 through 0300194175)**	
14		Ref	Valve Assembly Options: (4WS Only) (See ACCESSORY VALVE ASSEMBLY for Breakdown)	
14	4640922	1	Main Control Valve Assembly (4WS) **(SN 0300185828 through 0300194139)**	
16	4641317	1	Valve Assembly (Brake and 2 Speed)	
16	7012944	2	Coil	
16	7012941	2	Cartridge without Coil	
16	7010543	2	Seal Kit - 7012941 Cartridge (1 Per Cartridge)	
17		Ref	Main Control Valve Assembly Options: (See MAIN CONTROL VALVE ASSEMBLY for Breakdown)	
17	4641453	1	Main Control Valve Assembly (4WS) **(SN 0300185828 through 0300194175)**	
17	1001172219	NLA	Main Control Valve Assembly (4WS) (Use p/n 1001228171) **(SN 0300194176 through 0300240506)**	
17	1001228171	1	Main Control Valve Assembly (4WS) **(SN 0300240507 to Present)**	
18	4711400	AR	Washer 1/4	
19	4711600	3	Washer 3/8	
20	4921927	1	Harness Assembly (Jib Control) (Not Shown - See ELECTRICAL SECTION for Breakdown)	
21	4921928	1	Harness Assembly (4WS) (Not Shown - See ELECTRICAL SECTION for Breakdown)	
22	1001110425	2	Spacer	
23	0630467	AR	Screw, Button head 5/16-18 x 1/2	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
211	4751400	2	Washer 1/4	
	1001173878	Ref	HOODS INSTALLATION WITHOUT AIR COMPRESSOR (DEUTZ ENGINES MACHINES)	B
	1001173879	Ref	HOODS INSTALLATION WITH AIR COMPRESSOR (DEUTZ ENGINES MACHINES)	B
	1001220189	Ref	HOODS INSTALLATION (FORD ENGINE MACHINES)	A
	1001158171	Ref	HOODS INSTALLATION WITHOUT AIR COMPRESSOR (GM ENGINES MACHINES)	C
	1001159523	Ref	HOODS INSTALLATION WITH AIR COMPRESSOR (GM ENGINES MACHINES)	C
302	3311605	4	Nut 3/8-16	
303	3900316	4	Screw 3/8-16 x 1	
303	0641608	4	Bolt 3/8-16 x 1	
304	4751600	AR	Washer 3/8	
305	1001144527	1	Pipe, Exhaust (Deutz Engine Machines)	
305	1001116457	1	Pipe, Exhaust (Ford & GM Engine Machines)	
306	0641406	3	Bolt 1/4-20 x 3/4	
307	3311405	3	Nut 1/4-20	
308	4751400	3	Washer 1/4	
309	1001163101	1	Shield, Heat (Deutz TD2.9L4 Engine Machines)	
309	1001150561	1	Shield, Heat (Deutz D2011, Ford & GM Engine Machines)	
	1001154411	Ref	AIR COMPRESSOR HOOD INSTALLATION (DEUTZ ENGINE MACHINES)	C
	0272741	Ref	AIR COMPRESSOR HOOD INSTALLATION (GM ENGINE MACHINES)	K
401	0100011	AR	Compound, Locking	
405	0641506	7	Bolt 5/16-18 x 3/4	
406	0641608	5	Bolt 3/8-16 x 1	
410	0721005	3	Screw, Machine #10-24 x 5/8	
411	0901921	1	Bracket	
412	0940071	3	Bumper	
419	2600244	1	Hinge	
421	2940080	1	Latch	
424	3311505	10	Nut 5/16-18	
425	3311601	6	Nut 3/8-16	
426	3311605	5	Nut 3/8-16	
428	3574156	1	Plate, Baffle	
429	3574157	1	Bracket	
432	3900032	1	Screw 3/8-16 x 1-1/4	
433	3900316	3	Screw 3/8-16 x 1	
437	4567627	1	Prop	
440	4711600	12	Washer 3/8	
442	4751000	3	Washer #10	
443	4751500	8	Washer 5/16	
444	4751600	10	Washer 3/8	
448	1001121314	1	Hood (Deutz Engine Machines)	
448	2680515	1	Hood (GM Engine Machines)	

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FIGURE 5-15. TELESCOPE CYLINDER ASSEMBLY - MAIN BOOM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	TELESCOPE CYLINDER ASSEMBLY - MAIN BOOM	
	1683672	Ref	Telescope Cylinder Assembly **(SN 0300185828 through 0300200669)**	H
	1001188841	Ref	Telescope Cylinder Assembly **(SN 0300200670 through 0300243317)**	B
		Ref	Note: Original Cylinder may have been replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	0100011	AR	Compound, Locking	
2	0100038	AR	Primer, Locking	
3	0641806	4	Bolt 1/2-13 x 3/4	
4	0961897	1	Bushing, Tapered	
5	0962524	1	Spacer, Tube	
6	1683673	1	Barrel	
7	1683675	1	Rod	
8	1683663	1	Head	
9	2220885	1	Plug, O-Ring	
10	3340838	2	Pad, Wear	
11	3480234	1	Piston	
12	3570775	1	Plate	
13	See Note	NSS	Ring, Wear (Note: Use Item 30)	
14	See Note	NSS	Ring, Back-up (Note: Use Item 30)	
15	See Note	NSS	Ring, Wear (Note: Use Item 30)	
16	See Note	NSS	O-Ring (Note: Use Item 30)	
17	See Note	NSS	O-Ring (Note: Use Item 30)	
18	3931448	4	Capscrew 1/4-20 x 3	
19	3931664	8	Capscrew 3/8-16 x 4	
20	0630535	3	Bolt 1/4-20 x 1-1/8	
21	See Note	NSS	Ring, Back-up (Note: Use Item 30)	
22	See Note	NSS	Seal, Rod (Note: Use Item 30)	
23	See Note	NSS	Ring, Wear (Note: Use Item 30)	
24	See Note	NSS	Wiper (Note: Use Item 30)	
25	See Note	NSS	T-Seal (Note: Use Item 30)	
26	4641033	1	Valve Assembly (No serviceable parts - sold as assembly only)	
26A	7024508	2	O-Ring	
27	0100063	AR	Loctite #RC 609	
30		Ref	Seal Kit Options:	
30	2901712	1	Seal Kit (Includes Items 13-17 & 21-25) (1683672 Cylinder)	
30	1001188843	1	Seal Kit (Includes Items 13-17 & 21-25) (1001188841 Cylinder)	

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