



Illustrated Parts Manual

Models
450A
450AJ

PRIOR TO
SN 0300065080

*See Revision Log Page for exceptions

P/N
3120870

June 20, 2018 - Rev M



An Oshkosh Corporation Company

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

- Thank you very much for reading the preview of the manual.
- You can download the complete manual from: www.heydownloads.com by clicking the link below



- Please note: If there is no response to CLICKING the link, please download this PDF first and then click on it.

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

SECTION 1 - FRAME

FIGURE 1-1. AXLE AND STEERING INSTALLATION - 2WD WITHOUT TOW BAR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0258026	Ref	FIXED AXLE INSTALLATION	C
1	0100011	AR	Loctite #242 (Not Shown)	
2	0362763	4	Bar, Stop	
3	0362764	2	Bar, Stop	
4	0641606	6	Bolt 3/8in-16NC x 3/4in	
5	0641626	2	Bolt 3/8in-16NC x 3 1/4in	
6	0642012	1	Bolt 5/8in-11NC x 1 1/2in	
7	0961950	2	Bushing, Garmax	
8		Ref	Pin, Axle Pivot Options:	
8	3422431	NLA	Pin, Axle Pivot (Use p/n 3422592) (Prior to SN 0300056275)	
8	3422592	1	Pin, Axle Pivot (SN 0300056275 through 0300065080)	
9	3570901	2	Plate, Stop	
10	3841258	1	Keeper, Pin	
11	4060951	1	Shield, Frame	
12	4070972	AR	Shim 3/16in	
13	4070973	AR	Shim 1/8in	
14	4070974	AR	Shim 1/16in	
15	4740158	1	Thrustwasher	
16	4751600	8	Flatwasher 3/8in	
18	4845643	1	Axle Weldment	
18A	0561300	2	Steer Cylinder Mounting Block Assembly	
	0258024	Ref	OSCILLATING AXLE INSTALLATION	G
101	0100011	AR	Loctite #242 (Not Shown)	
102	0641414	4	Bolt 1/4in-20NC x 1 3/4in	
103	0641606	6	Bolt 3/8in-16NC x 3/4in	
104	0641812	2	Bolt 1/2in-13NC x 1 1/2in	
105	0642012	1	Bolt 5/8in-11NC x 1 1/2in	
106	0682248	2	Bolt 3/4in-10NC x 6in	
107	0961950	2	Bushing, Garmax	
108	1100107	1	Cam, Lockout	
109		Ref	Lockout Cylinder Assembly Options (See CYLINDER SECTION for Breakdown):	
109	1683575	2	Lockout Cylinder Assembly (Prior to SN 0300063921)	
109	1684139	2	Lockout Cylinder Assembly (SN 0300063921 through 0300065080)	
110	3272201	2	Nut 3/4in-10NC	
111	3322201	2	Nut 3/4in-16NF	
112		Ref	Pin, Axle Pivot Options:	
112	3422431	NLA	Pin, Axle Pivot (Use p/n 3422592) (Prior to SN 0300056275)	
112	3422592	1	Pin, Axle Pivot (SN 0300056275 through 0300065080)	
113	3841258	1	Keeper, Pin	
114	3841367	2	Rod-End with Grease Fitting	
114	7020180	1	Grease Fitting	
115		Ref	Hardware Options:	
115	3900109	2	Screw, Shoulder (Prior to SN 0300063921)	
115	3422936	2	Pin (SN 0300063921 through 0300065080)	
116	4060951	1	Shield, Frame	
117	4567462	2	Tube, Mounting	
118	4640871	1	Lockout Valve Assembly	
118	7012693	1	Seal Kit - 4640871 Valve	

SECTION 1 - FRAME

FIGURE 1-7. DRIVE HUB ASSEMBLY (SN 0300039594 through 0300065080)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2780235	Ref	DRIVE HUB ASSEMBLY	B
1	See Note	1	Spindle/Housing Assembly (Includes Item 1A-1N) (Note: Purchase Individual Components)	
1A	7017059	1	Spindle	
1B	7001998	1	Seal	
1C	7010429	1	Cone and Cup, Bearing (Includes 1C & 1D)	
1D	7010429	1	Cone and Cup, Bearing (Includes 1C & 1D)	
1E	7000257	1	Cone, Bearing	
1F	7000258	1	Cup, Bearing	
1G	7007601	1	Housing	
1H	7000232	1	Washer, Thrust	
1I	7000229	1	Ring, Retaining	
1J	See Note	1	Plug, Pipe (Note: Not Available for Purchase)	
1N	7007640	9	Stud, Wheel	
2	7000246	1	Gear, Ring	
3	See Note	1	Carrier Assembly (Includes Item 3A-3G) (Note: Purchase Individual Components)	
3A	7001931	1	Carrier	
3B	7001985	6	Flatwasher, Tanged	
3C	7001909	96	Bearing, Needle	
3D	7000263	3	Spacer, Thrust	
3E	7001911	3	Shaft, Planet	
3F	7007643	3	Gear, Cluster	
3G	7010474	3	Rollpin	
4	7000203	1	Gear, Internal	
5	7000230	1	O-Ring	
5A	7000230	1	O-Ring (Black) (Prior to SN 0300061323)	
5A	7017070	1	O-Ring (White) (SN 0300061323 through 0300065080)	
6	See Note	1	Cover Assembly (Includes Items 101 - 109) (Note: Purchase Individual Components)	
7	See Note	1	Input Shaft Assembly (Includes Item 7A-7D) (Note: Purchase Individual Components)	
7A	7000250	1	Shaft, Input	
7B	7000261	1	Ring, Retaining	
7C	7000262	1	Spring	
7D	7000263	2	Spacer, Thrust	
8	7000201	1	Gear, Sun	
9	7000252	1	Spacer, Thrust	
11		Ref	Spacer, Thrust Options:	
11	7000253	2	Spacer, Thrust (Prior to SN 0300061323)	
11	7017096	1	Spacer, Thrust (SN 0300061323 through 0300065080)	
12		Ref	Bolt (Grade 8) Options:	
12	7000217	12	Bolt (Grade 8) (Prior to SN 0300061323)	
12	7017067	12	Bolt (Grade 8) (SN 0300061323 through 0300065080)	
13		Ref	Hardware Options:	
13	7000214	4	Bolt, Shoulder (Grade 8) (Prior to SN 0300061323)	
13	7017080	4	Dowel Pin (SN 0300061323 through 0300065080)	
14	7017060	1	Coupling	
16	7007603	12	Flatwasher	
17	7017063	1	Seal Kit	

SECTION 1 - FRAME

FIGURE 1-10. DRIVE VALVES INSTALLATIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	DRIVE VALVES INSTALLATION - 2WD	
	0258020	Ref	Drive Valves Installation - 2WD (Prior to SN 0300056958)	E
	0270207	Ref	Drive Valves Installation - 2WD (SN 0300056958 through 0300065080)	B
2	0641532	2	Bolt 5/16in-18NC x 4in	
8	3311505	2	Locknut 5/16in-18NC	
11		Ref	Flow Divider Valve Assembly Options:	
11	4640923	1	Valve (Not Shown) (Prior to SN 0300037577)	
11	7012992	1	Valve, Cartridge	
11	7021625	1	Seal Kit - 7012992 Cartridge	
11	7012993	1	Orifice	
11	4641041	1	Valve (SN 0300037577 through 0300065080)	C
11A	7022396	1	Valve, Cartridge (Flow Divider) (Was p/n 7017442)	
11A	7021625	1	Seal Kit - 7022396 Cartridge	
11B	7022398	1	Valve, Cartridge (Load Shuttle) (Was p/n 7010542)	
11B	7023900	1	Seal Kit - 7022398 Cartridge	
11C	7022397	2	Valve, Cartridge (Check) (Was p/n 7012930)	
11C	7022399	2	Seal Kit - 7022397 Cartridge	
11C	See Note	NSS	Orifice (Note: Not Available for Purchase)	
12	4751500	4	Flatwasher 5/16in	
		Ref	DRIVE VALVES INSTALLATION - 4WD	
	0258021	Ref	Drive Valves Installation - 4WD (Prior to SN 0300056958)	F
	0270208	Ref	Drive Valves Installation - 4WD (SN 0300056958 through 0300065080)	C
101	0100011	AR	Loctite #242 (Not Shown)	
102	0641532	4	Bolt 5/16in-18NC x 4in	
103	0641612	2	Bolt 3/8in-16NC x 1 1/2in	
111	3311505		Locknut 5/16in-18NC	
114		Ref	Flow Divider Valve Assembly Options:	
114	4640923	1	Valve (Not Shown) (Prior to SN 0300037577)	
114	7012992	1	Valve, Cartridge	
114	7021625	1	Seal Kit - 7012992 Cartridge	
114	7012993	1	Orifice	
114	4641041	1	Valve (SN 0300037577 through 0300065080)	C
114A	7022396	1	Valve, Cartridge (Flow Divider) (Was p/n 7017442)	
114A	7021625	1	Seal Kit - 7022396 Cartridge	
114B	7022398	1	Valve, Cartridge (Load Shuttle) (Was p/n 7010542)	
114B	7023900	1	Seal Kit - 7022398 Cartridge	
114C	7022397	2	Valve, Cartridge (Check) (Was p/n 7012930)	
114C	7022399	2	Seal Kit - 7022397 Cartridge	
114C	See Note	NSS	Orifice (Note: Not Available for Purchase)	
115		Ref	Flow Divider Valve Assembly Options:	
115	4640937	1	Valve (Not Shown) (Prior to SN 0300037577)	
115	7012993	1	Orifice	
115	7021657	1	Valve, Cartridge	
115	7021625	1	Seal Kit - 7021657 Cartridge	
115	4641074	1	Valve (SN 0300037577 through 0300065080)	B
115	7012994	1	Orifice	
115A	7012943	1	Coil	
115A	7017475	1	Valve, Cartridge (Solenoid)	

SECTION 2 - TURNTABLE

FIGURE 2-1. CONTROL VALVES INSTALLATIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	VALVES INSTALLATIONS	
	0258388	Ref	Valves Installations 450A with Proportional Valves	A
	0258389	Ref	Valves Installations 450AJ with Proportional Valves	B
1	0100011	AR	Loctite #242 (Not Shown)	
2	0140001	1	Horn	
3	0641405	2	Bolt 1/4in-20NC x 5/8in	
4	0641406	1	Bolt 1/4in-20NC x 3/4in	
5	0641408	2	Bolt 1/4in-20NC x 1in	
6	0641416	4	Bolt 1/4in-20NC x 2in	
7	0641607	4	Bolt 3/8in-16NC x 7/8in	
8	0651406	4	Bolt 1/4in-24NF x 3/4in	
10	2120163	1	Pressure Filter Assembly	
10	2120150	1	Element, Filter	
10	7020020	1	Indicator	
10	7023206	1	O-Ring	
10	7023207	1	Ring, Back-up	
11	2120165	1	Hydraulic Oil Filter Assembly	
11	2120158	1	Element, Filter	
11	7020021	1	Indicator, Clogged	
12	3311405	6	Locknut 1/4in-20NC	
13	4921927	1	Harness, Jib (450AJ Only) (Not Shown - See ELECTRICAL SECTION for Breakdown)	
14		Ref	Main Control Valve Assembly Options:	
14	4641056	1	Main Control Valve Assembly 450A with Proportional Valve (See MAIN CONTROL VALVE ASSEMBLY - PROPORTIONAL for Breakdown)	
14	4641057	1	Main Control Valve Assembly 450AJ with Proportional Valve (See MAIN CONTROL VALVE ASSEMBLY - PROPORTIONAL for Breakdown)	
15	4641059	1	Valve Assembly - Level	
15A	7017466	1	Cartridge	
15A	2900708	1	Seal Kit - 7017466 Cartridge	
15A	7012959	1	Knob	
15B	7012981	1	Cartridge without Coil	
15B	7012998	1	Seal Kit - 7012981 Cartridge	
15C	7012944	1	Coil	
15C	7017467	1	Cartridge without Coil	
15C	7012967	1	Seal Kit - 7017467 Cartridge	
16	4711400	24	Flatwasher 1/4in Narrow	
17	4711600	8	Flatwasher 3/8in Narrow	
18	4791400	1	Starwasher 1/4in	
19	0902459	1	Bracket, Mounting - Leveling Valve	
20	4640907	1	Solenoid Valve Assembly (Brake)	
20	7012944	1	Coil	
20	7012941	1	Cartridge without Coil	
20	7012907	1	Seal Kit - 7012941 Cartridge	
	0254604	Ref	TILT INDICATOR INSTALLATION	
101	4360372	1	Sensor, Level	
102	0641406	2	Bolt 1/4in-20NC x 3/4in	
103	3311405	2	Locknut 1/4in-20NC	-/1

SECTION 2 - TURNTABLE

FIGURE 2-6. DEUTZ ENGINE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	DEUTZ ENGINE INSTALLATIONS	
	0257949	Ref	Standard Machines	11-G
1		Ref	Engine Assembly Options:	
1	2000154	1	Engine Assembly (Prior to SN 0300041036)	
1	2000162	1	Engine Assembly (SN 0300041036 through 0300065080)	
3		Ref	Piston Pump Assembly Options (See PISTON PUMP ASSEMBLY for Breakdown):	
3	3600260	1	Piston Pump Assembly (Prior to SN 0300043370)	
3	3600290	1	Piston Pump Assembly (SN 0300043370 through 0300065080)	
4	0641812	2	Bolt 1/2in-13NC x 1 1/2in	
5	3600271	1	Gear Pump Assembly	
5	7011046	1	Seal Kit - 3600271 Pump	
6	3931620	2	Capscrew, Socket Head 3/8in-16NC x 1 1/4in	
7	3570800	1	Plate, Front Mounting	
8	0701414	4	Bolt, Metric 14MM x 30MM	
9	3570801	1	Plate, Rear Mounting	
10	0701015	4	Bolt, Metric 10mm x 35mm	
11	0701012	4	Bolt, Metric 10mm x 25mm	
12	3200378	4	Mount, Rubber Motor	
13	0641820	4	Bolt 1/2in-13NC x 2 1/2in	
14	4740274	4	Washer, Snubbing	
15	3311805	4	Locknut 1/2in-13NC	
16	0902461	1	Bracket, Throttle Mount (Part of Item 17)	
17	2901637	1	Throttle Mounting Kit	
18	0060033	NLA	Actuator Assembly (Use p/n 2910000) (See ELECTRICAL SECTION for Breakdown)	
19	0902464	1	Bracket, Throttle Mounting (Part of Item 17)	
20	0641406	12	Bolt 1/4in-20NC x 3/4in	
21	4751400	20	Flatwasher 1/4in	
22	3311405	12	Locknut 1/4in-20NC	
23	4845613	1	Tray, Engine	
24	3570571	1	Plate, Radiator Mount	
25	3570607	1	Plate, Radiator Support	
26	3600279	1	Auxiliary Pump Assembly	
26A	7016768	1	Motor, Replacement	
26A	7013757	1	Brush Kit	
26B	7013711	1	Coupling, Drive	
26C	7016769	1	Bracket, Mounting	
26D	7016744	4	Screw 5/16in-18NC x 1in	
26E	7016745	2	Capscrew, Socket Head 5/16in-24NF x 4 3/4in	
26F	7016746	1	Adapter, Mounting	
26G	7013766	1	Pin	
26H	7013771	1	Pump, Replacement	
26H	7013701	1	Seal Kit	
27	0641609	8	Bolt 3/8in-16NC x 1 1/8in	
28	4751600	50	Flatwasher 3/8in	
29	3311605	22	Locknut 3/8in-16NC	
30	0641610	18	Bolt 3/8in-16NC x 1 1/4in	
31	3620033	1	Cooler, Oil	

SECTION 2 - TURNTABLE

FIGURE 2-8. PISTON PUMP ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	PISTON PUMP ASSEMBLIES	
	3600260	Ref	Piston Pump Assemblies (Prior to SN 0300043370)	1-A
	3600290	Ref	Piston Pump Assemblies (SN 0300043370 through 0300065080)	1-A
1	7007413	1	Shim Kit - Relief Valve	
2	7007414	1	Plug	
3	See Note	NSS	O-Ring (Note: Use Item 101)	
4	7007416	1	Spring, Relief Valve	
5	7007417	1	Valve, Relief	
6	See Note	NSS	O-Ring (Note: Use Item 101)	
7	7007419	2	Plug	
10	7007420	2	Plug	
11	7007208	2	Plug	
12	7007421	10	Screw	
14	See Note	NSS	Gasket, Servo Cover (Note: Use Item 101)	
15	7007423	1	Nut, Special	
16	7007424	1	Cover, Adjustment	
18	7007425	1	Bearing, Needle	
19	See Note	NSS	Ring, Retaining (Note: Use Item 104)	
20	See Note	NSS	Washer (Note: Use Item 104)	
21	See Note	NSS	Spring (Note: Use Item 104)	
23	See Note	NSS	Washer (Note: Use Item 104)	
24	See Note	NSS	Retainer (Note: Use Item 104)	
25	See Note	NSS	Pin, Slipper Holddown (Note: Use Item 104)	
26	See Note	NSS	Piston Assembly (Note: Use Item 104)	
27	See Note	NSS	Guide, Slipper (Note: Use Item 104)	
28	See Note	NSS	Guide, Retainer (Note: Use Item 104)	
29	7007435	1	Pin, Spring	
30	7007436	1	Screw, 12 Point Head	
31	7007437	1	Bearing, Ball	
32	7007438	2	Ring	
33	7007439	2	Ring	
34	7007440	2	Pin, Spring	
35	7007441	1	Handle, Pin	
36	7007442	1	Sleeve, Bearing	
37	See Note	NSS	Gasket, Front Cover (Note: Use Item 101)	
38	7007444	1	Pin	
39	7007445	1	Plug, Expansion	
40	See Note	NSS	Pin (Note: Use Item 104)	
41	See Note	1	O-Ring (Note: Use Items 101 or 103)	
42	See Note	1	Ring, Load Temper (Note: Use Items 101 or 103)	
43	7007449	1	Housing, Pump	
44	See Note	NSS	Ring, Back-Up (Note: Use Item 101)	
45	See Note	NSS	O-Ring (Note: Use Item 101)	
46	See Note	NSS	Cover, Gerotor (Note: Use Item 103)	
47	7007453	3	Bolt, Hex	
48	7007208	1	Plug	
49	7007454	1	Cover, Front	
50	See Note	NSS	Block, Cylinder (Note: Use Item 104)	
51	7007456	6	Screw, 12 Point Head	

SECTION 2 - TURNTABLE

FIGURE 2-11. ELECTRICAL OPTIONS INSTALLATION (TURNTABLE MOUNTED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0258307	Ref	STROBE LIGHT INSTALLATIONS (AMBER) (OPTIONAL)	2
1		Ref	Guard Options:	
1	4060907	1	Guard (Prior to SN 0300037923)	
1	4060865	1	Guard (SN 0300037923 through 0300065080)	
2	0721008	2	Screw, Machines #10-24NC x 1in	
3	4751000	4	Flatwasher #10	
4	3311005	2	Locknut #10-24NC	
5	2820035	12 ft/31cm	Loom (Not Shown)	
6	4460320	1	Plug, Terminal	
7	4460267	2	Pin, Male	
10	4220162	1	Spacer, Stop	
11	0630491	1	Bolt, Special	
12	3539281	1	Plate, Mounting	
13	0741606	1	Screw, Flathead Countersunk3/8in-16NC x 3/4in	
14	0100011	AR	Loctite #242 (Not Shown)	
15	4240032	1	Wire-Tile	
16		Ref	Strobe Light/Harness Assembly Options:	
16	0255917	1	Light Assembly (Includes Guard p/n 4060907) (Prior to SN 0300037923)	
16	7016380	1	Bulb for ECCO Model 6640	
16	70001941	1	Bulb for ECCO Model 6650	
16	4060907	1	Guard for ECCO Model 6640	
16	2920215	1	Guard for ECCO Model 6650	
16	2920146	1	Light Assembly (SN 0300037923 through 0300065080)	
16	7016319	1	Bulb, Replacement	
16	7016372	1	Lens	
17	4460234	1	Clamp	
18	0100048	AR	Sealant, Silicone (Not Shown)	
	0258306	Ref	LIGHTS INSTALLATIONS (OPTIONAL)	1
25	2920110	2	Headlight	
26	0902206	2	Bracket, Mounting	
27	0642612	1	Bolt 1in-8NC x 1 1/2in	
28	4220162	2	Spacer	
29	0100011	AR	Loctite#242	
30	2920113	2	Taillight	
31	3911040	4	Screw, Machine #10-24NC x 2 1/2in	
32	3311005	4	Nut #10-24NC	
33	4751000	4	Flatwasher #10	
34	4740362	4	Washer, Fender	
35	3960461	2	Gasket	
37	4240032	12	Tie-Strap (Not Shown)	
38	4460234	12	Mount, Tie-Strap (Not Shown)	
39	4360336	1	Switch, Toggle (Not Shown - Located on Console)	
40	3790012	1	O-Ring (Not Shown - Located on Console)	
	0258308	Ref	ALARMS INSTALLATIONS	2
44	0257887	1	Alarm/Harness Assembly	
45	0641406	2	Bolt 1/4in-20NC x 3/4in	
46	4711400	2	Flatwasher 1/4in	
47	0100048	AR	Sealant, Silicone (Not Shown)	

SECTION 3 - BOOM

FIGURE 3-2. MAIN BOOM AND CYLINDERS INSTALLATION - 450A

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	BOOM AND CYLINDERS INSTALLATION - 450A	
	0257868	Ref	Boom and Cylinders Installation 450A (Prior to SN 0300056176)	D
	0259531	Ref	Boom and Cylinders Installation 450A (SN 0300056176 through 0300065080)	A
1	0100011	AR	Loctite #242 (Not Shown)	
2		Ref	Platform Support and Rotator Assembly Options: (See Items 101-126)	
2	0257879	1	Platform Support and Rotator Assembly (Prior to SN 0300056176)	
2	0259530	1	Platform Support and Rotator Assembly (SN 0300056176 through 0300065080)	
5	0641607	1	Bolt 3/8in-16NC x 7/8in	
9	0642010	2	Bolt 5/8in-11NC x 1 1/4in	
10	0642012	1	Bolt 5/8in-11NC x 1 1/2in	
12	0801131	1	Main Boom Assembly (See MAIN BOOM ASSEMBLIES for Breakdown)	
14	0961950	2	Bearing, Garmax	
17		Ref	Main Lift Cylinder Assembly Options (See CYLINDER SECTION for Breakdown):	
17	1683588	NLA	Main Lift Cylinder Assembly (Use p/n 1683728) (Prior to SN 0300038944)	
17	1683728	1	Main Lift Cylinder Assembly (SN 0300038944 through 0300065080)	
18		Ref	Platform Level Cylinder Assembly Options (See CYLINDER SECTION for Breakdown):	
18	1683598	NLA	Platform Level Cylinder Assembly (Use p/n 1683730) (Prior to SN 0300038944)	
18	1683730	1	Platform Level Cylinder Assembly (SN 0300038944 through 0300065080)	
20	3312005	1	Locknut 5/8in-11NC	
23	3422666	1	Pin	
24	3422668	1	Pin	
25	3422669	1	Pin	
26	3422724	1	Pin	
29	3841143	1	Keeper, Pin	
30	3841258	3	Keeper, Pin	
		Ref	PLATFORM SUPPORT AND ROTATOR ASSEMBLY	
	0257879	Ref	Platform Support and Rotator Assembly 450A (Prior to SN 0300056176)	J
	0259530	Ref	Platform Support and Rotator Assembly 450A (SN 0300056176 through 0300065080)	B
101	0257826	2	Cap	
102	4040266	2	Pin	
103	0641406	AR	Bolt 1/4in-20NC x 3/4in	
105	0641420	2	Bolt 1/4in-20NC x 2 1/2in	
106	0641609	2	Bolt 3/8in-16NC x 1 1/8in	
108	0642012	1	Bolt 5/8in-11NC x 1 1/2in	
109	1683579	2	Rotator Cylinder Assembly (See CYLINDER SECTION for Breakdown)	
110	3311405	11	Locknut 1/4in-20NC	
111	3311605	4	Locknut 3/8in-16NC	
112	3312005	1	Locknut 5/8in-11NC	

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

- Thank you very much for reading the preview of the manual.
- You can download the complete manual from: www.heydownloads.com by clicking the link below



- Please note: If there is no response to CLICKING the link, please download this PDF first and then click on it.

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

SECTION 4 - PLATFORM

FIGURE 4-2. PLATFORM CONSOLE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	CONSOLE BOX ASSEMBLY OPTIONS:	
	0861167	Ref	2WD Machines with Poly Box (Australian Spec)	8
	0861238	Ref	2WD Machine with Aluminum Box (Australian Spec)	7
	0861171	Ref	2WD Machines with Poly Box (CE Spec)	8
	0861240	Ref	2WD Machines with Aluminum Box (CE Spec)	7
	0861168	Ref	4WD Machines with Poly Box (Australian Spec)	8
	0861239	Ref	4WD Machine with Aluminum Box (Australian Spec)	7
	0861172	Ref	4WD Machines with Poly Box (CE Spec)	8
	0861241	Ref	4WD Machines with Aluminum Box (CE Spec)	7
1		Ref	Box, Console Options:	
1	0861195	1	Poly Box	
1	7020099	1	Fastener	
1	7020100	1	Mounting Clip	
1	0860984	1	Aluminum Box	
1	3931664	1	Bolt 3/8in-16NC 4in	
1	3790109	1	O-Ring	
2	3740113	1	Relay, Time Delay	
3	3740115	1	Relay, Time Delay	
4		Ref	Controller and PC Board Assy Options (Lift and Swing):	
4	1600278	NLA	Controller and PC Board Assy (Use p/n 1600288) (See CONTROLLER ASSEMBLY (LIFT AND SWING) for Breakdown) (Prior to SN 0300039857)	
4	1600288	1	Controller and PC Board Assy (See CONTROLLER ASSEMBLY (LIFT AND SWING) for Breakdown) (SN 0300039857 through 0300065080)	
5		Ref	Controller Assembly Options (Drive and Steer):	
5	1600270	NLA	Controller Assembly (Use p/n 1600287) (See CONTROLLER ASSEMBLY (DRIVE AND STEER) for Breakdown) (Prior to SN 0300039857)	
5	1600287	1	Controller Assembly (See CONTROLLER ASSEMBLY (DRIVE AND STEER) for Breakdown) (SN 0300039857 through 0300065080)	
7		Ref	Decal (Horn/Drive Speed/Level) Options:	
7	1703689	1	2WD Machines	
7	1703678	1	4WD Machines	
8	1702564	1	Decal (Stop)	
9	1702565	1	Decal (Drive and Steer)	
10	1702566	1	Decal (Lift and Swing)	
11	1702567	1	Decal (Lower Lift/Tele/Rotate/Jib)	
12	2760105	1	Housing, Display Light	
13	4360387	1	Switch, Pushbutton	
14	2560136	1	Knob, Speed Control	
15	1600272	1	Speed Controller Assembly (See CONTROLLER ASSEMBLY (SPEED) for Breakdown)	
16	3311005	5	Locknut #10-24NC	
17		Ref	Switch, Emergency Stop Options:	
17	4360289	1	Switch, Emergency Stop (Prior to SN 0300044666)	
17	4360475	1	Switch, Emergency Stop (SN 0300044666 through 0300065080)	
17	7012611	1	Cap, Mushroom (Prior to SN 0300044666)	
17	7020175	1	Cap, Mushroom (SN 0300044666 through 0300065080)	
17	7012612	1	Boot Only (Prior to SN 0300044666)	

SECTION 4 - PLATFORM

FIGURE 4-5. CONTROLLER ASSEMBLY (DRIVE AND STEER) (Prior to SN 0300039857)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	Note: use p/n 1600287 when replacing complete controller	
	1600270	Ref	CONTROLLER ASSEMBLY	A
1	See Note	1	Handle Assembly (Note: Not Available - Purchase Individual Components)	
1A	7019126	1	Halves, Handle (Includes Both Halves and Hardware)	
1B	7019127	1	Boot, Switch	
1C	7003981	1	Rocker	
1D	7003982	1	Switch, Micro	
2	7003984	1	Coupling	
3	7003966	1	Boot	
4	7003938	1	Clamp, Boot (Not Shown)	
5	7003957	1	Ring, Retaining	
6	7003967	1	Flatwasher	
7	7003968	1	Detent Assembly	
8	7003969	2	Screw	
8	7003941	2	Washer	
9	7003933	1	Gasket	
10	7003950	1	Plate, Base	
11	7019103	1	Pin	
12	7019105	1	Shaft/Gear Assembly	
13	7019125	1	Micro Cam Assembly (Includes Items 14-25)	
14	See Note	NSS	Screw (Note: Use p/n 7019175)	
15	See Note	NSS	Cam, 4 Hole (Note: Use p/n 7019175)	
16	See Note	NSS	Cam, 4 Hole (Note: Use p/n 7019175)	
17	See Note	NSS	Cam, 4 Hole (Note: Use p/n 7019175)	
18	See Note	NSS	Cam, 4 Hole (Note: Use p/n 7019175)	
19	See Note	NSS	Spacer, Cam (Note: Use p/n 7019175)	
20	See Note	NSS	Spacer, Cam (Note: Use p/n 7019175)	
21	See Note	NSS	Plate, Cam - Left Side (Note: Use p/n 7019175)	
22	See Note	NSS	Coupling, Cam (Note: Use p/n 7019175)	
23	See Note	NSS	Spacer, Cam (Note: Use p/n 7019175)	
24	See Note	NSS	Coupling, Cam (Note: Use p/n 7019175)	
25	See Note	NSS	Spacer, Cam (Note: Use p/n 7019175)	
26	7003994	4	Screw	
26	See Note	4	Washer (Note: Not Available - Purchase Locally)	
27	7019106	2	Screw	
28	7003961	1	Microswitch	
29	7019107	1	Insulator	
30	7019108	1	Insulator, Black	
31	7019109	2	Nut, Tinnerman (Not Shown - Use with #27)	
32	7003946	1	Spring, Return	
33	7019110	1	Spacer	
34	7019111	1	Bearing	
35	7019112	1	Washer, Cam Retainer	
36	7003935	1	Gear, Slave	
37	7019113	1	Nut/Cam Assembly	
38	7019114	1	Coupling, Potentiometer	
39	7019115	2	Stand-Off	
40	7019124	1	Board, Circuit with Potentiometer	
41	7019112	1	Washer, Cam Retainer	

SECTION 5 - CYLINDER

SECTION 5 - CYLINDER

FIGURE 5-4. LIFT CYLINDER ASSEMBLY - MAIN

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	MAIN LIFT CYLINDER ASSEMBLY:	
	1683588	Ref	Main lift cylinder assembly 450A (Prior to SN 0300038944)	E
	1683728	Ref	Main lift cylinder assembly 450A (SN 0300038944 through 0300065080)	B
	1683637	Ref	Main lift cylinder assembly 450AJ (Prior to SN 0300038944)	D
	1683729	Ref	Main lift cylinder assembly 450AJ (SN 0300038944 through 0300065080)	B
1		Ref	Barrel Weldment	
1	1683590	1	Barrel Weldment 450A	
1	1683659	1	Barrel Weldment 450AJ	
2		Ref	Rod Weldment	
2	1683589	1	Rod Weldment 450A	
2	1683660	1	Rod Weldment 450AJ	
3		Ref	Piston	
3	3480205	1	Piston 450A	
3	3480235	1	Piston 450AJ	
4	0961897	1	Bushing, Tapered	
5		Ref	Head	
5	1683057	1	Head 450A	
5	1683077	1	Head 450AJ	
6		Ref	Washer, Ring	
6	3760369	1	Washer, Ring 450A	
6	3760370	1	Washer, Ring 450AJ	
7		Ref	Bolt, Socket Head	
7	3931620	8	Bolt, Socket Head 450A (3/8in-16NC x 1 1/16in)	
7	3931724	8	Bolt, Socket Head 450AJ (7/16in-14NC x 1 1/2in)	
8		Ref	Cartridge, Valve Options (Counterbalance Non-Vented):	
8	4641075	NLA	Cartridge, Valve (Use p/n 4640999) (Prior to SN 0300038103)	
8	4640999	1	Cartridge, Valve (SN 0300038103 through 0300065080)	
8	7011185	1	Seal Kit - 4640999 Valve	
9		Ref	Spacer, Tube	
9	4567332	1	Spacer, Tube 450A (Prior to SN 0300038944)	
9	4567762	1	Spacer, Tube 450A (SN 0300038944 through 0300065080)	
9	4567469	1	Spacer, Tube 450AJ (Prior to SN 0300038944)	
9	4567763	1	Spacer, Tube 450AJ (SN 0300038944 through 0300065080)	
10	0961950	4	Bushing	
11	0100011	AR	Loctite #242 (Not Shown)	
12	0100038	AR	Primer, Locking (Not Shown)	
13	See Note	NSS	Wiper (Note: Use Item 51)	
14	See Note	NSS	Seal (Note: Use Item 51)	
15	See Note	NSS	Ring, Back-Up (Note: Use Item 51)	
16	See Note	NSS	O-Ring (Note: Use Item 51)	
17	See Note	NSS	Ring, Back-Up (Note: Use Item 51)	
18	See Note	NSS	O-Ring (Note: Use Item 51)	
19	See Note	NSS	Seal (Note: Use Item 51)	
20	See Note	NSS	Ring, Wear (Note: Use Item 51)	
21	See Note	NSS	Ring, Wear (Note: Use Item 51)	
23	0630535	3	Capscrew 1/4in-20NC x 1 1/8in	
51		Ref	Seal Kit Options (Includes Items 13-21):	
51	2901554	1	Seal Kit 1683637 & 1683729 Cylinders	

SECTION 5 - CYLINDER

FIGURE 5-8. STEER CYLINDER ASSEMBLY (ORIGINAL EQUIPMENT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1683614	Ref	STEER CYLINDER ASSEMBLY (ORIGINAL EQUIPMENT) Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	C
		Ref		
1	1683615	1	Barrel Weldment	
2	1683658	1	Rod Weldment	
3	1683076	2	Cap	
4	3760367	2	Washer, Ring	
5	3931516	16	Bolt, Socket Head 5/16in-18NC x 2in	
7	See Note	NSS	Wiper (Note: Use Item 51)	
8	See Note	NSS	Ring, Back-Up (Note: Use Item 51)	
9	See Note	NSS	O-Ring (Note: Use Item 51)	
10	See Note	NSS	Ring, Wear (Note: Use Item 51)	
11	See Note	NSS	Ring, Wear (Note: Use Item 51)	
12	See Note	NSS	Seal (Note: Use Item 51)	
13	See Note	NSS	T-Seal (Note: Use Item 51)	
14	0100011	AR	Loctite #242 (Not Shown)	
15	0100038	AR	Primer, Locking (Not Shown)	
51	2901547	1	Seal Kit (Includes Items 7-13)	

SECTION 6 - HYDRAULIC

FIGURE 6-2. TOW BAR HYDRAULIC DIAGRAM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2792414	Ref	TOW BAR HYDRAULIC DIAGRAM	1-B
1	2220628	1	Fitting, 90	
2	2752589	1	Hose	
3	2220468	2	Fitting, Straight	
4	2220605	3	Fitting, Tee	
5	2751426	1	Hose	
6	2220609	1	Fitting, Reducer	
7	2752590	1	Hose	

SECTION 7 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
708A	See Note	1	Plug, Male (Note: Not Supplied With P/N 4921957-Purchase Locally)	
708B	4460710	1	Receptacle, Female (220V) (Note: Not Supplied With P/N 4921957)	
709	2920140	2	Platform Worklights Harness (Includes Light and Wire Only)	
709	2820035	9 ft/2.8m	Loom, Vinyl	
709A	4460598	1	Connector, Strain Relief	
709A	4460442	2	Terminal (Not Shown-Located in Platform Console)	
710	4922140	1	2WD/4WD Valve Harness Assembly	
710A	4460499	3	DIN Connector with Diode	
711	See Note	1	Lights Harness (Note: Not Available for Purchase)	
711	1060341	37 ft/11.3m	Cable, Electrical - 16/2	
712	4922304	1	Load Sensor Harness (Inside Platform Box)	
712	3990010	1	Diode 6 Amp	
713	Not Available	1	Load Sensor Harness (Platform Box to Load Control Box)	
713	1060079	6 ft/1.8m	Cable, Electrical - 16/4	
713A	4460428	1	Connector, Strain Relief	
714	Not Available	1	Load Cell Harness (Purchase Load Cell)	
714A	Not Available	1	Connector	
		Ref	TOOLS	
	4921850	1	Service Harness (For Setting Deutz Throttle Actuator)	
801	7002821	1	Crimper (For Wire to Pin/Socket Connections)	
802	7002823	1	Extractor (For Removal of Pin/Socket from Connectors)	
803	4460467	1	Extractor, Pin (Blue 16-18 Gauge) (For Removal of Pin/Socket from Connectors)	
803	4460510	1	Extractor, Pin (Yellow 12-14 Gauge) (For Removal of Pin/Socket from Connectors)	
804	7002828	1	Stripper, Wire	

SECTION 10 - SPECIAL OPTIONS

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

- Thank you very much for reading the preview of the manual.
- You can download the complete manual from: www.heydownloads.com by clicking the link below



- Please note: If there is no response to CLICKING the link, please download this PDF first and then click on it.

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL