Illustrated Parts Manual

Models
450A
450AJ

PVC
2001
2007

P/N
31215023

February 7, 2020 - Rev B

ANSI

CE

AS/NZS

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FIGURE 3-7. ENGINE ASSEMBLY - DEUTZ D2.9L4 ENGINE (WITH ARCTIC PACKAGE) (ANSI AND CSA SPECS) (PVC 2001)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174777	Ref	ENGINE ASSEMBLY - DEUTZ D2.9L4 ENGINE (WITH ARCTIC PACKAGE)	S
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0100081	AR	Adhesive	
7	0711214	1	Bolt M12 x 30	
8	0711224	4	Bolt M12 x 80	
9	0741606	2	Screw 3/8 x 3/4	
10	0760610	6	Bolt M6 x 20	
11	0760808	1	Bolt M8 x 16	
12	0760812	1	Bolt M8 x 25	
13	0760814	8	Bolt M8 x 30	
14	0761014	2	Bolt M10 x 30	
15	0761015	7	Bolt M10 x 35	
16	0761016	4	Bolt M10 x 40	
17	0761210	1	Bolt M12 x 20	
18	0761212	2	Bolt M12 x 25	
19	0771414	9	Bolt M14 x 30 Grade 10.9	
21	0961951	2	Bushing	
22	1321716	2	Clamp	
23	1703162	2	Decal - Caution Fan	
24	2220315	1	Fitting, Barbed	
26	2720015	2 ft/0.61m	Hose	
27	2720340	8 in /0.2m	Hose	
28	2902065	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
29	3290605	7	Nut M6	
30	3290805	11	Nut M8	
31	3291001	4	Nut M10	
32	3291005	9	Nut M10	
33	3310401	3	Nut #4	
34	3331215	4	Nut M12 x 1.75	
35	3910408	3	Screw #4- x 1/2	
36	3931512	4	Capscrew 5/16 x 3/4	
37	4031914	4	Bolt M8 x 50	
38	4060805	2.25 ft/ 0.69m	Flex-Trim	
39	4240099	AR	Tie-Strap	
40	4640751	1	Valve, Oil Drain	
41	4710400	3	Washer #4	
42	4711500	4	Washer 5/16	
43	4811700	4	Washer M6	
44	4811900	35	Washer M8	
45	4812000	22	Washer M10	
46	4812100	4	Washer M12	
47	4812200	9	Washer M14	
48	5241200	4	Washer M12	
49	8305401	2	Nut Jam	
50	8307109	2	Washer, .250	
51	8310548	2	Screw 1/4 x 1/2	

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FIGURE 3-20. ENGINE ASSEMBLY - DEUTZ D2011 ENGINE (WITH ARCTIC PACKAGE) (ANSI EXPORT AND CHINA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174783	Ref	ENGINE ASSEMBLY - DEUTZ D2011 ENGINE (WITH ARCTIC PACKAGE)	L
1	0080231	1	Spacer, Fan	
2	0100011	AR	Compound, Locking	
3	0100020	AR	Sealant, Pipe	
4	0100081	AR	Adhesive	
7	0711224	4	Bolt M12 x 80 Grade 10.9	
8	0760610	6	Bolt M6 x 20	
9	0760814	8	Bolt M8 x 30	
10	0760815	9	Bolt M8 x 35	
11	0761015	11	Bolt M10 x 35	
12	0771414	8	Bolt M14 x 30 Grade 10.9	
13	0961951	2	Bushing	
14	1320016	2	Clamp	
15	1703162	2	Decal - Caution Fan	
16	2060025	1	Fan	
17	2220315	1	Fitting, Barbed	
18	2220451	2	Fitting, Straight JIC/ORB	
19	2580062	1	Heater, Engine Block	
21	3290605	6	Nut M6	
22	3290805	13	Nut M8	
23	3291005	11	Nut M10	
24	3331215	4	Nut M12	
25	3520054	2	Plug	
26	3740067	2	Relay Assembly	
26	3300220	2	Nut	
26	3321001	1	Nut #10	
26	3740140	1	Relay	
26	4761000	1	Washer #10	
26	1001111424	2	Washer	
27	3960407	1	Gasket	
28	4240099	AR	Tie-Strap (Not Shown)	
29	4811700	15	Washer M6	
30	4811900	20	Washer M8	
31	4812000	22	Washer M10	
32	4812200	8	Washer M14	
33	4923451	1	Harness, Glow Plugs	
34	5241200	4	Washer M12	
35	8305401	2	Nut, Jam	
36	8307109	2	Washer	
37	8310548	2	Screw 1/4 x 1/2	
38	1001132195	1	Bracket, Engine Mount	
39	1001132196	1	Bracket, Engine Mount	
40	1001138173	1	Support, Service Indicator	
41	1001138175	1	Bracket, Service Indicator	
42	1001139819	1	Adapter, Air Intake	
43	1001141694	1	Clamp, Air Cleaner	
44	1001141995	1	Fitting, Barbed	
45	1001143390	1	Indicator	

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FIGURE 10-1. RECOMMENDED SERVICE PARTS STOCK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	Note: The following list will service one machine (built to current production per date on the front cover) with emergency repair parts which can be installed in the field. Parts from the list should be replaced when inventory is depleted to keep service parts stock supplied. For further information, contact your JLG dealer or the JLG Industries Parts Department.	
		Ref	STANDARD PARTS	
	7024885	1	Coil	
	70002386	1	Coil	
	70003788	1	Coil	
	70005219	1	Coil	
	70004897	1	Coil	
	70004871	1	Coil	
	7027628	1	Coil	
	1001212415	1	Controller Assembly (Drive and Steer)	
	1001129555	1	Controller Assembly (Lift and Swing)	
	70010383	1	Element, Filter Charge Pump (Includes O-Ring)	
	70002838	1	Fill Cap Assembly (Includes Cap, Chain and Fill Basket)	
	70003614	1	Filter Kit (Includes Hydraulic Element, Breather Element and Gasket)	
	1001095704	2	Fuse - 3Amp	
	1001196635	2	Fuse - 3Amp	
	8229242	2	Fuse - 5Amp	
	8229244	2	Fuse - 15Amp	
	1001129285	2	Fuse with Diode – 1Amp	
	3740067	1	Relay	
	3740140	1	Relay	
	3740086	1	Relay	
	1001095704	1	Relay	
	1001117308	1	Relay	
	2860030	1	Key, Replacement	
	4360328	1	Switch, Toggle	
	4360387	1	Switch, Push Button	
	4360475	1	Switch, Emergency Stop	
	4360476	1	Switch, Contact Block	
	4360407	1	Switch, Potentiometer	
	1001155045	1	Switch, Toggle	
	1001159256	1	Switch, Toggle	
	1001161709	1	Switch, Toggle	
		Ref	VARIABLE PARTS	
	1001181045	1	Breaker, 30mA/16Amp (CE Spec with 2 Breaker Box)	
	1001152479	1	Breaker, Circuit 16A Double (CE Specs Machines with 3 Breaker Box)	
	1001152482	1	Breaker, Circuit 30mA (CE Specs Machines with 3 Breaker Box)	
	70003783	12	Element, Air Cleaner (Deutz 2.9L4, Deutz D2011 Engines and Deutz D2.9L4 Engines (Stage V))	
	7016331	12	Filter, Oil (Deutz Engines)	
	70006023	12	Filter, Oil (Kubota Engines)	
	70025153	12	Filter, Fuel (Deutz 2.9L4 Engines)	
	70025161	12	Filter, Fuel (Deutz 2.9L4 Engines)	

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