



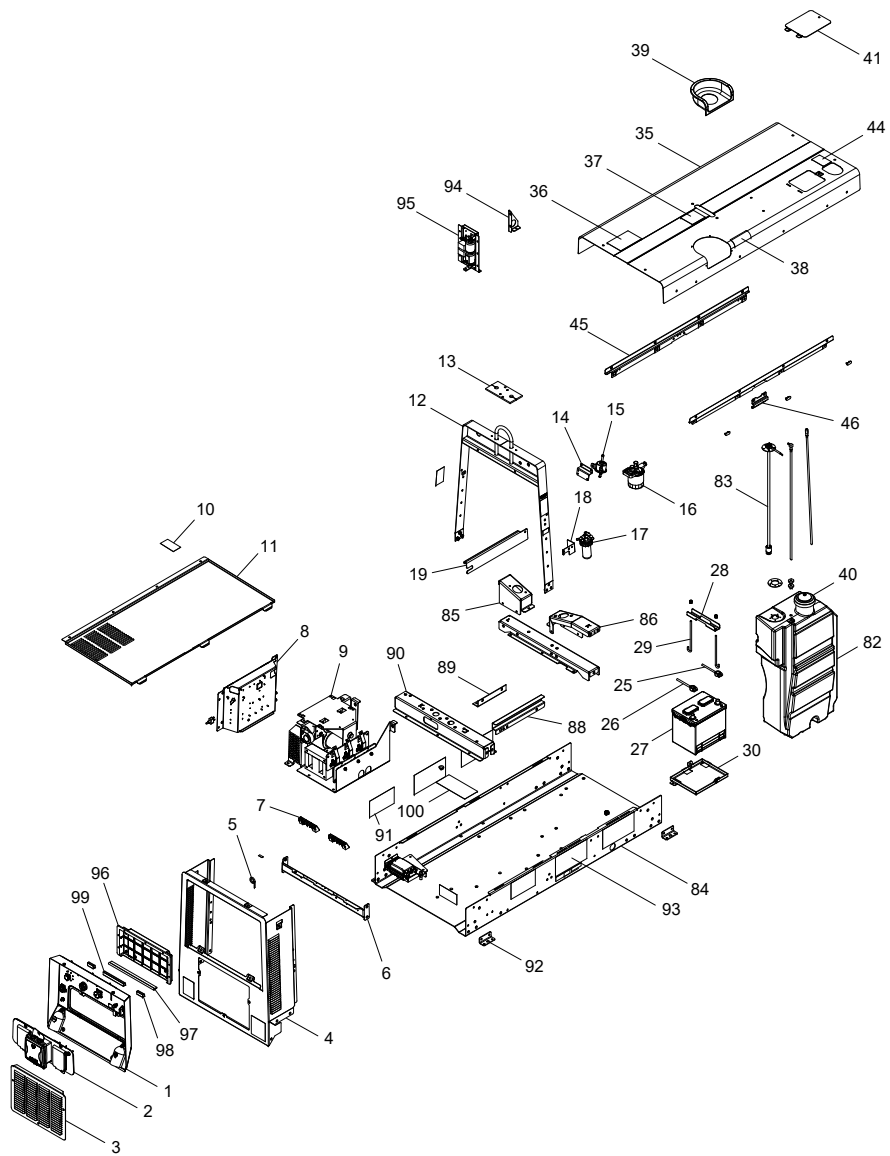
PM- 278215 G

Big Blue 400 Pro

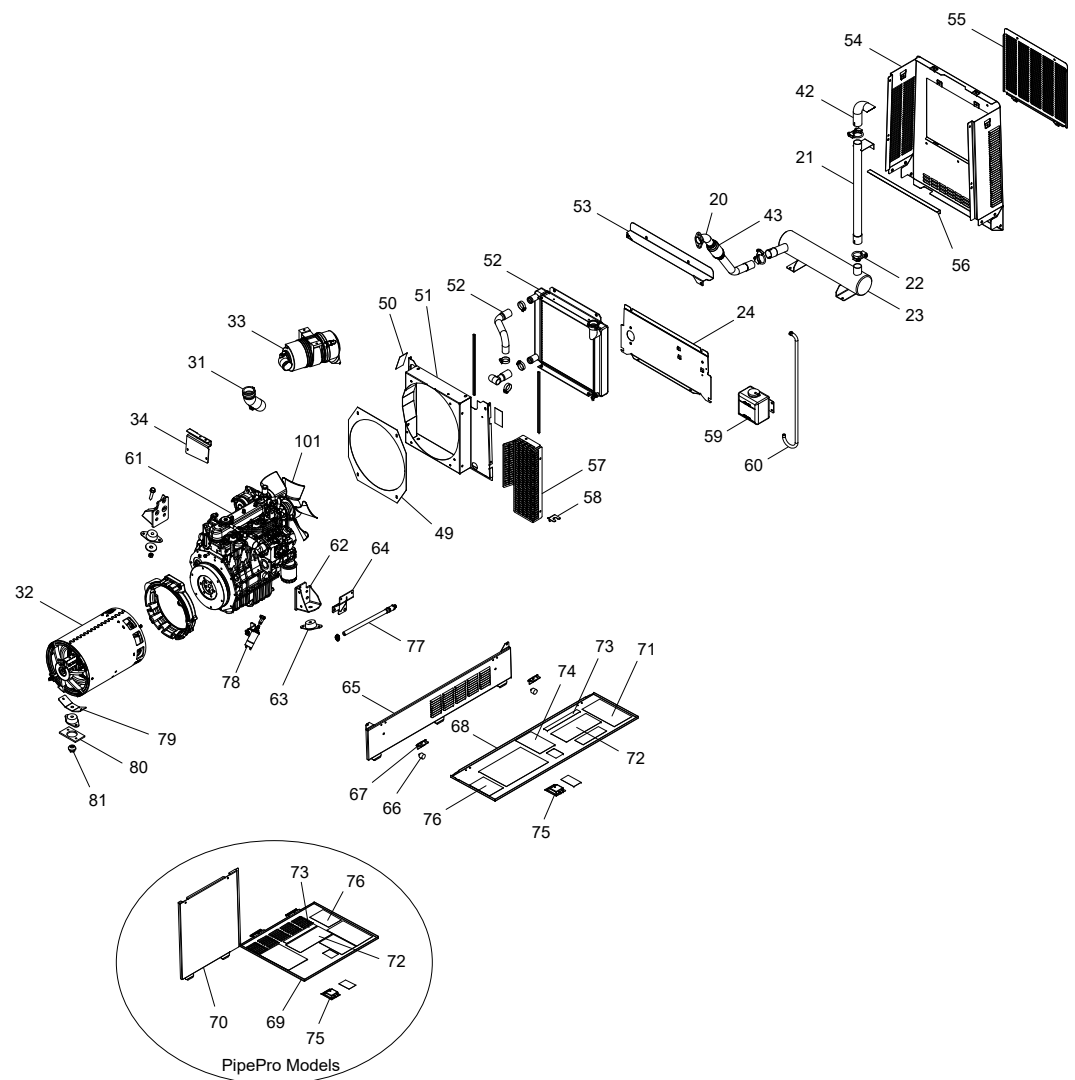
Effective with Serial Number
MH060319R - ZZ222222R



PARTS MANUAL



Main Assembly



PipePro Models

Main Assembly

Item No.	Dia. Mkgs.	Part No.	Description	Qty
1			Panel Front w/Components (See following for subassembly information)	1
2			Auxiliary Power Panel (See following for subassembly information)	1
3		220955	Panel, Front Access	1
4		+ 226104	Upright, Front	1
5		105370	Xfmr, Current	1
6		213500	Brkt, Beam Support	1
7	TE1,TE2	172661	Block, Stud Connection 6 Position	2
		173734	Link, Jumper	3
8			Kubota Control Panel (See following for subassembly information)	1
8			CAT Control Panel; Mitsubishi Control Panel Prior to MK151014R (See following for subassembly information)	1
8			Mitsubishi Control Panel Eff w/MK151014R (See following for subassembly information)	1
9			Weld Control Assembly (See following for subassembly information)	1
10		272334	Label, Warning Moving Parts (En/Fr/Sp-Sym)	1
11		+ 243709	Panel, Engine Side	1
11		+ 249221	Panel, Engine Side SS	1
11		+ 243709	Panel, Engine Side (PipePro)	1
12		+ 259211	Upright, Center Assy	1
13		189464	Seal, Weather Lift Eye	1
14		213501	Bracket, Fuel Pump/Filter Kubota	1
15		207721	Pump, Fuel Electric 12 Vdc 15A 400CC/Min 5 Psi Kubota	1
15		265524	Pump, Fuel Electric 12Vdc w/o Filter Mitsubishi	1
16			Bracket, Fuel Filter Mtg. (Order Thru Engine Manufacturer)	1
*		207715	Filter, Fuel Secondary Spin-On Kubota	1
*		252781	Filter, Fuel Spin-on Mitsubishi	1
*		213858	Filter, Fuel In-Line 5/16 x 5/16 Mic 125 -175 Mitsubishi	1
*		202167	Filter, Fuel Spin on (CAT)	1
17		233482	Kit, Fuel Sedimenter Kubota	1
18		234714	Bracket, Sedimenter Kubota	1
19		214753	Bracket, Holddown Fuel Tank	1
20		212620	Pipe, Exhaust Flexible Inlet Kubota V1505	1
20		241264	Pipe, Exhaust Flexible Inlet Mitsubishi S4L2	1
20		254899	Pipe, Exhaust Flexible Inlet C1.5T Turbo (CAT)	1
		213602	Gasket, Exhaust Outlet Kubota	1
		245752	Gasket, Exhaust Outlet Mitsubishi	1
		256251	Mount, Vibration (CAT)	1
21		212605	Pipe, Exhaust	1
22		209057	Clamp, Muffler 1.625 Dia U Pld MH060319R - MK1400002R	3
22		284717	Clamp, Muffler 1.625 Dia U Pld w/Srrtd Nuts/Notstak MK1400003R - ZZ222222R	3
23		201528	Muffler, Exhaust Engine Kubota, Mitsubishi	1
23		254897	Muffler, Exhaust Engine C1.5T (CAT)	1
24		212604	Baffle, Air Lower Radiator MH060319R - NE250533R	1
24		292239	Baffle, Air Lower Radiator NE250534R - ZZ222222R	1
		191307	Cover, Blank (CAT)	1

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Main Assembly

Item No.	Dia. Mkgs.	Part No.	Description	Qty
25		190207	Cable, Bat Pos 45 In Lg No 1 Awg w/Clamp & .400 Rng	1
26		190206	Cable, Bat Neg 42.000 No 1 Awg w/Clamp & .400 Rng	1
27	BATT		Battery, Stor 12v 570 Crk 100 Rsv Gp 35 M.F.	1
28		261792	Bracket, Battery Holddown	1
29		213465	Bolt, J Stl .312 18 x 7.250 Pld	2
30		261784	Bracket, Battery Locator	1
31		212618	Hose, Air Intake Kubota V1505 Kubota	1
31		241272	Hose, Air Intake (Mitsubishi) MH060319R - MK151013R	1
31		283882	Hose, Air Intake (Mitsubishi) MK151014R - ZZ222222R	1
31		254902	Hose, Air Intake (CAT)	1
32		Generator	(See following for subassembly information)	1
33		249657	↓ Air Cleaner, Intake 5.250 In	1
		249661	→ Dust Ejector, Air Cleaner	1
*		197676	→ Element, Air Cleaner	1
*	~	197679	→ Element, Air Cleaner Safety	1
		249659	→ Cover Assy, Air Cleaner	1
		249658	→ Body, Air Cleaner	1
		249664	→ Latch, Air Cleaner	1
34		249550	→ Bracket, Mounting Air Intake Mitsubishi, CAT	1
35	+	249656	Cover, Top MH060319R - NA340225R	1
35	+	286695	Cover, Top NA340226R - ZZ222222R	1
35	+	249358	Cover, Top w/Protective Coating MH060319R - NA340225R	1
35	+	286697	Cover, Top (Wireless Remote) w/Protective Coating NA340226R - ZZ222222R	1
		254678	Cap, Tank Screw-on 3.500 In w/Vent w/Lanyard 8 In NA340226R - ZZ222222R	1
		024103	Blank, Snap-In Nyl .750 Mtg Hole Black NA340226R - ZZ222222R	1
36		272340	Label, Danger Using Generator Indoor (En/Fr/Sp-Sym)	1
37		272339	Label, Warning Falling Equipment (En/Fr/Sp-Sym)	1
38		227728	Label, Warning Use Diesel Fuel Only (Trilingual)	1
39		189052	Grommet, Plastic Neck Filler Fuel	1
40		254678	Cap, Tank Screw-on 3.500 In w/Vent w/Lanyard 8 In	1
41		201851	Cover, Radiator Access	1
41		249714	Cover, Radiator Access w/Protective Coating	1
42		214604	Pipe, Exhaust Elbow	1
43		209057	Clamp, Muffler 1.625 Dia U Pld	1
44		272333	Label, Warning Hot Parts (En/Fr/Sp-Sym)	1
45		213471	Bracket, Cover Top	2
45		248725	Bracket, Cover Top Door Side (PipePro Only) (PipePro)	1
45		213633	Bracket, Cover Top SS	1
		249201	Bracket, Cover Top Door Side SS	1
46		213472	Keeper, Latch Engine Access	1
47		212616	Hose, Radiator Lower Kubota V1505 (Not Shown)	1
47		241286	Hose, Radiator Lower Mitsubishi S4L2 (Not Shown)	1
47		212614	Hose, Radiator Lower Cat 3013 (Not Shown)	1

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Item No.	Dia. Mkgs.	Part No.	Description	Qty
48		212615	Hose, Radiator Upper Kubota V1505 (Not Shown)	1
48		241256	Hose, Radiator Upper Mitsubishi S4L2 (Not Shown)	1
48		212613	Hose, Radiator Upper Cat 3013 (Not Shown)	1
49		212624	Shroud, Adapter Fan Kubota	1
50		272334	Label, Warning Moving Parts (En/Fr/Sp-Sym)	2
51	+	212607	Shroud, Radiator Kubota MH060319R - NE250533R	1
51	+	292236	Shroud, Radiator (Kubota) Kubota NE250534R - ZZ222222R	1
51	+	241176	Shroud, Radiator Mitsubishi	1
51	+	256613	Shroud, Radiator (CAT)	1
52		244812	↓ Radiator, w/14# Cap 1 Row Core 1.25 In Inlet/Outlet Kubota, Mitsubishi	1
52		292242	↓ Radiator, w/13# Cap 2 Pass 1.250 Inlet/Outlet Kubota, Eff/w Serial No. NE250534R	1
52		243698	↓ Radiator, w/ 14# Cap 1 Row Core 1.25 In Inlet/Outlet	1
		187120	→ Cap, Radiator Pressure 14 Lb (All listed radiators)	1
53		212603	Baffle, Air Upper Radiator Kubota, Mitsubishi	1
53		254901	Baffle, Air Upper Radiator (CAT)	1
54	+	243710	Upright, Rear	1
55		243711	Cover, Radiator Access	1
56		220295	Bracket, Stiffener	1
57		213502	Guard, Fan Kubota H060319R - NE250533R	1
57		292235	Guard, Fan (Kubota) Kubota NE250534R - ZZ222222R	1
57		241266	Guard, Fan Mitsubishi	1
57		259754	Guard, Fan (CAT)	1
58		222652	Bracket, Mtg Hose	1
59		286206	Assy, Tank, Coolant Recovery MK330176R - ZZ222222R	1
59		190190	Tank, Coolant Recovery MH060319R - MK330175R	1
60		254806	Hose Assy, w/Clamp (Coolant) MH060319R - MK330175R	1
61		263133	Engine, Kubota Dsl Elec 1505 (T4f)	1
*		196428	Filter, Oil	1
		213244	Switch, Coolant Temp Nc 110c	1
		217696	Switch, Lubricating Oil Pressure N.O.	1
		200653	Heater, Block Engine 120V 400w Kubota 905	1
*		218468	Belt, Alternator	1
		401380	Belt, Alternator Kubota, Eff w/Serial No. NF450985R	1
S3		221485	Switch, Pressure Oil 4psi No 1/8-28 Bspt	1
		292635	Seal, Strips Kubota, Eff w/Serial No. NE250534R	2
61		263134	Engine, Mitsubishi Dsl Elec S4L2 MH060319R - MK151013R	1
61		283215	Engine, Mitsubishi Dsl Elec S4L2 (T4f) MK151014R - ZZ222222R	1
*		242882	Filter, Lube Oil	1
*		242883	Belt, Alternator	1
		244039	Switch, Coolant Temp NO 111c	1
		244040	Switch, Lubricating Oil Pressure Nc	1
61		284097	Engine, Cat Dsl Elec C15 Turbo (T4f)	1
*		217686	Belt, Alternator	1

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Item No.	Dia. Mkgs.	Part No.	Description	Qty
*		202166	Filter, Oil Cat 220 1523	1
*		273865	Filter, Fuel In line 5/16 x 5/16 Mic 25	1
		217695	Switch, Coolant Temp N C 110C	1
62		213480	Bracket, Mtg Engine Kubota, CAT	2
62		244218	Bracket, Mtg Engine Mitsubishi	2
63		213266	Mount, Engine/Generator Flange Mtg (CAT qty 2 Eff w/ Serial No. MK360749R)	3
64		243950	Bracket, Mtg Fuel Filter Mitsubishi	1
64		254900	Bracket, Mtg Fuel Filter C1.5T (CAT)	1
65		243708	Panel, Rocker	1
66		254634	Bumper	2
67		189975	Hinge, Door Access 180 Deg	2
68		+ 213487	Door, Engine Access	1
69		249122	Door, Engine Access SS (PipePro Models)	1
69		248726	Door, Engine Access (Blue) (PipePro Models)	1
70		249123	Panel, Door Side SS (PipePro Models)	1
70		248727	Panel, Door Side (Blue) (PipePro Models)	1
71		278439	Label, Fuel/Hour/Engine Shutdown	1
72		287061	Label, Diesel Engine Maintenance Kubota	1
72		239396	Label, Diesel Engine Maintenance Mitsubishi S4L2	1
73		272332	Label, Notice Do Not Use Ether (En/Fr-Sym)	1
74		272341	Label, Warning Battery Explosion (En/Fr/Sp-Sym)	1
75		245362	Latch, Paddle Series 20 (Black) (400 Pro Models)	1
75		190126	Latch, Paddle Series 20 (SS) (400 PipePro Models)	1
76		278415	Label, Help Codes	1
			Washer, Oil Drain (Order Thru Engine Manufacturer)	1
77		199505	↓ Hose, Oil Drain 32.000 Lg	1
		113854	→ Hose, Sae .500 Id x .780 Od Xcoil	2.6
		176529	→ Fitting, Hose Brs Barbed Fem 1/2Tbg x 3/8 Npt	1
		165271	→ Valve, Oil Drain 3/8-18Nptf	1
78		264327	Idle Solenoid Assembly NB400247R - ZZ222222R	1
78		287773	Idle, Solenoid Assy MH060319R - NB400246R	1
78		242538	Actuator, Linear Mitsubishi, Prior to Serial No. MK151014R	1
78		270268	Actuator, Linear (CAT)	1
79		213461	Bracket, Mtg Generator	1
80		213462	Pad, Mtg Generator (CAT qty 2 Eff w/ Serial No. MK360749R)	1
81		213463	Spacer/Snubber, Generator Mtg (CAT qty 2 Eff w/ Serial No. MK360749R)	1
82		262722	↓ Tank, Fuel (Includes Fuel Cap)	1
		189908	→ Valve, Drain Fuel 180 Deg	1
		181572	→ Bushing, Tank Fuel	1
		124253	→ Bushing, Tank Fuel	1
83	SENDER	264195	→ Sender, Fuel Gauge	1
		212611	→ Hose, Fuel Stand Pipe w/3/16 In Ftg (Return)	1
		212610	→ Hose, Fuel Stand Pipe w/5/16 In Ftg (Supply)	1

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Main Assembly

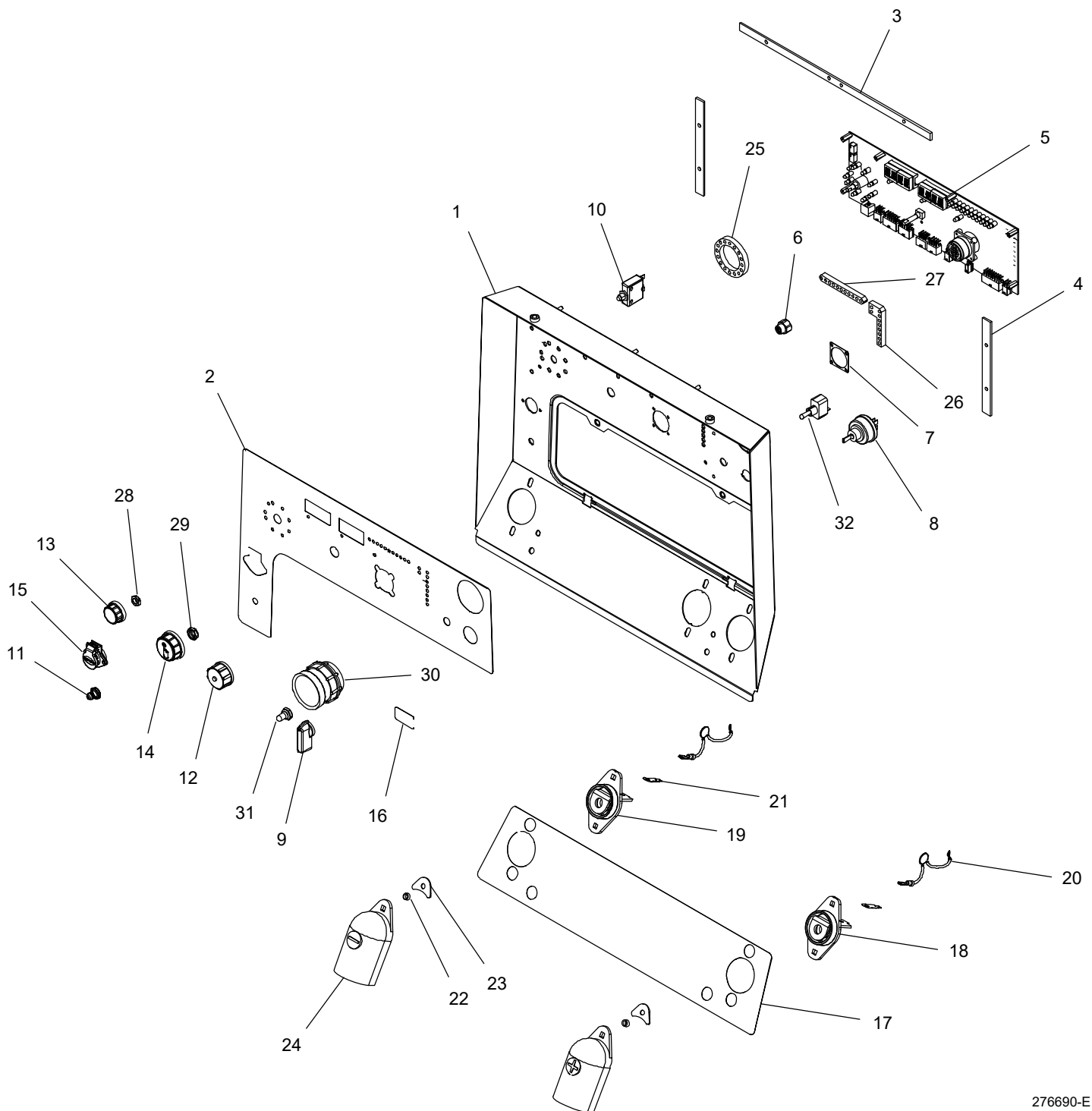
Item No.	Dia. Mkgs.	Part No.	Description	Qty
84		213458	Base	1
85		213485	Support, Engine Lh	1
86		213484	Support, Engine Rh	1
86		213483	Support, Engine Rh	1
87		213459	Crossmember, Engine	1
88		213506	Bracket, Hold Down Fuel Tank	1
89		192303	Angle, Mtg Stabilizer	1
90		213460	Crossmember, Generator	1
90		286279	Crossmember, Generator	1
91		272343	Label, Warning General Precautionary (En/Fr/Sp-Sym)	2
92		213668	Bracket, Mtg Unit	4
93		272342	Label, Warning Do Not Weld On Base (En/Fr/Sp-Sym)	2
94		~ 273314	Bracket, Mtg Wcc Filter Assy	1
95		~ 269559	Circuit Card Assy, Wcc Filter Network Potted	1
96		275812	Cover, Control Board	1
97		277522	Seal, Enclosure Opening Bulb D 12.875	1
98		277519	Seal, Enclosure Opening D 1.625	1
99		277520	Seal, Enclosure Opening D 5750	1
100		282178	Label, Warning Breathing Diesel Engine Exhaust	1
101		264463	Fan, Engine Cooling 6 Blade	1
101		256612	Fan, Engine Cooling (390 mm) 15.354 Dia 6 Blade Pus	1
101		244041	Fan, Engine Cooling Mitsubishi	1
		286634	Label, Warning Remote Start	1
		~ 288137	Kit, Fob	1
		~ 286599	Module, Radio Receiver	1
		~ 287594	Protective Cover, Wireless Interface Control 5 Pk	1
		286278	Bracket, Generator	1
		282766	Mount, Engine 50 Duro Flange Mtg (White Dot)	2
		256089	Ftg, Brs Cplg 1/8 Npt F To 1/8 Npt F	1
		257139	Fuel Line Assy, w/Clamps 11.000 In	1
		258265	Fuel Line Assy, w/Clamps 15.000 In	1
		256488	Fuel Line Assy, w/Clamps 24.000 In	1
		257141	Fuel Line Assy, w/Clamps 25.000 In	1
		258262	Fuel Line Assy, w/Clamps 30.000 In	1
		276788	Cable, LEM	1
		263234	Shield, Breather	1
		256928	Tape, Reflective (Heat) 4in x 10in	1
		283131	Bracket, Mtg Sensor	1
*		276418	USB Flash Drive	1
*		253901	Kit, Filter Kubota	1
*		252782	Filter Kit, Mitsubishi (S4L2)	1
*		274427	Kit, Filter Cat (C1.5)	1

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276690-E

Front Panel with Components

Front Panel with Components

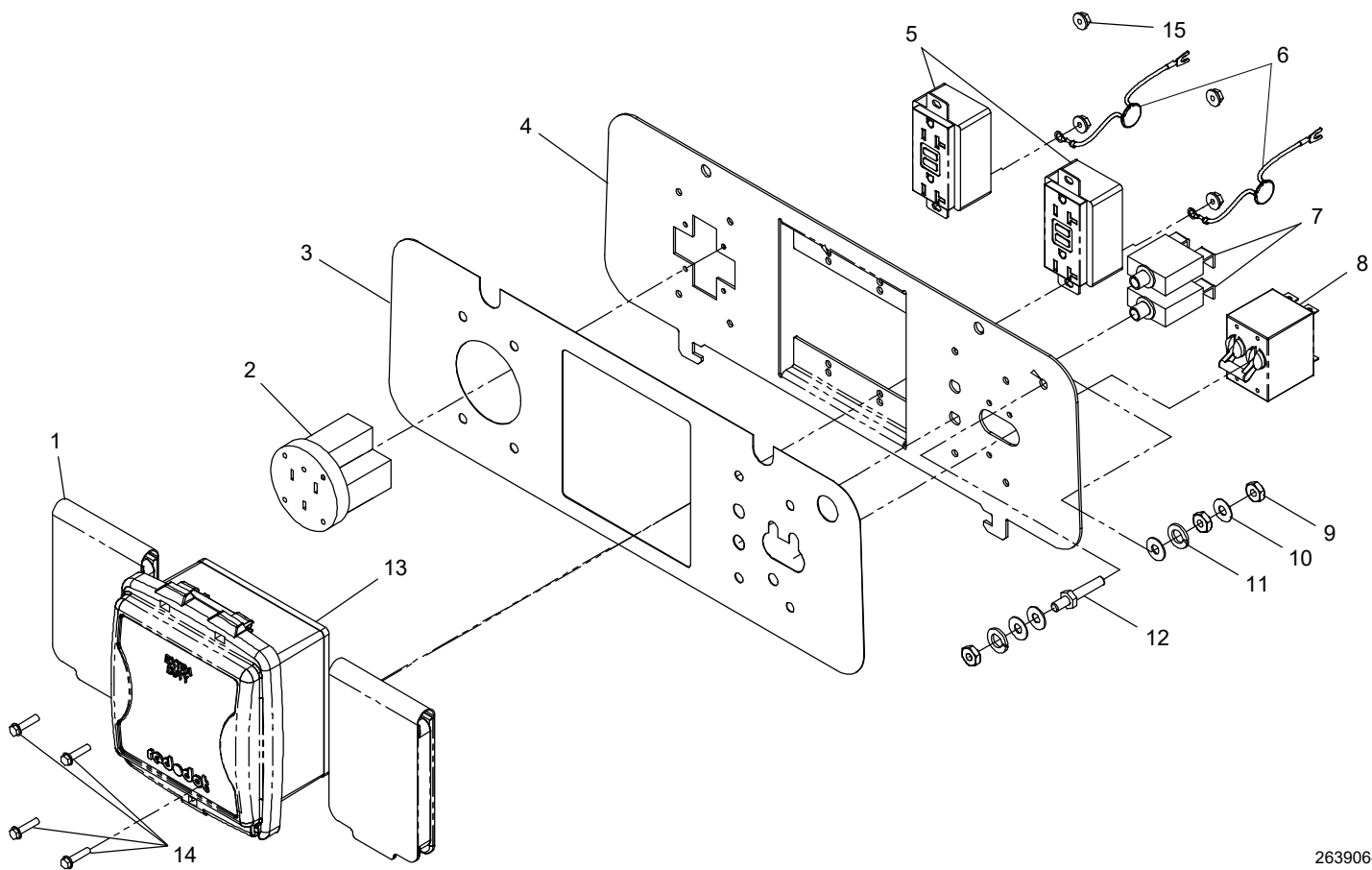
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		+ 275307	Panel, Front Engine/Weld Control	1
2			Label, Nameplate (Order by Model and Serial No.)	1
3		277517	Gasket, Control Board Cover Top	1
4		277518	Gasket, Control Board Cover	2
5	PC1	280612	Kit, Service Control Board	1
6		278485	Assy, Encoder Nut w/O-Ring	1
7		277524	Gasket, 14 Pin Receptacle	1
8	S1	217680	Switch, Ignition 4 Position w/Out Handle	1
9		207073	Lever, Ignition Switch	1
10	CB8	083432	Supplementary Pro, Man Reset 1P 10A 250 Vac Frict	1
11		190323	Boot, Circuit Breaker Clear Hex Nut	1
12		170391	Conn, Circ Ms Protective Cap Size 20 Nylon	1
13		245663	Knob, Encoder 1.250 Dia x .250 Id Push On w/Spring	1
14		276230	Knob, Encod 1.67 D x 6mm Id Push On w/Spring/Print	1
/		280214	Spring, Wave (Stainless Steel)	1
15		276484	Harness, Front Panel USB	1
16		270453	Label, Warning Read Owner's Manual Wordless	1
17			Label, Nameplate (Order by Model and Serial No.)	1
18	POS	241432	Terminal, Pwr Output Red	1
19	NEG	241433	Terminal, Pwr Output Black	1
20	C4-C5	~ 128750	Capacitor, Cer Disc .1 uF 500 Vdc w/Terms (Non-ArcReach Models)	2
21		010381	Connector, Rectifier	2
22		181169	Spacer, Output Stud	2
23		180735	Washer, Output Stud	2
24		186621	Boot, Generic Output Stud	2
25		278559	Foam, LED Process Select	1
26		278564	Foam, LED Fuel And Service	1
27		278563	Foam, LED Dig	1
28		231468	Nut, .375-32 .56 Hex .22h Brs Conical Knurl	1
29		231469	Nut, .500-28 .69 Hex .28h Brs Conical Knurl	1
30		217084	Gauge, Coolant Temp 0-300 Deg F	1
31		021385	Boot, Toggle Switch Lever	1
32	S4	021467	Switch, Tgl Spst 3A 250V Off-None-(On) Spd Term	1

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263906-A

Auxiliary Power Panel

Auxiliary Power Panel

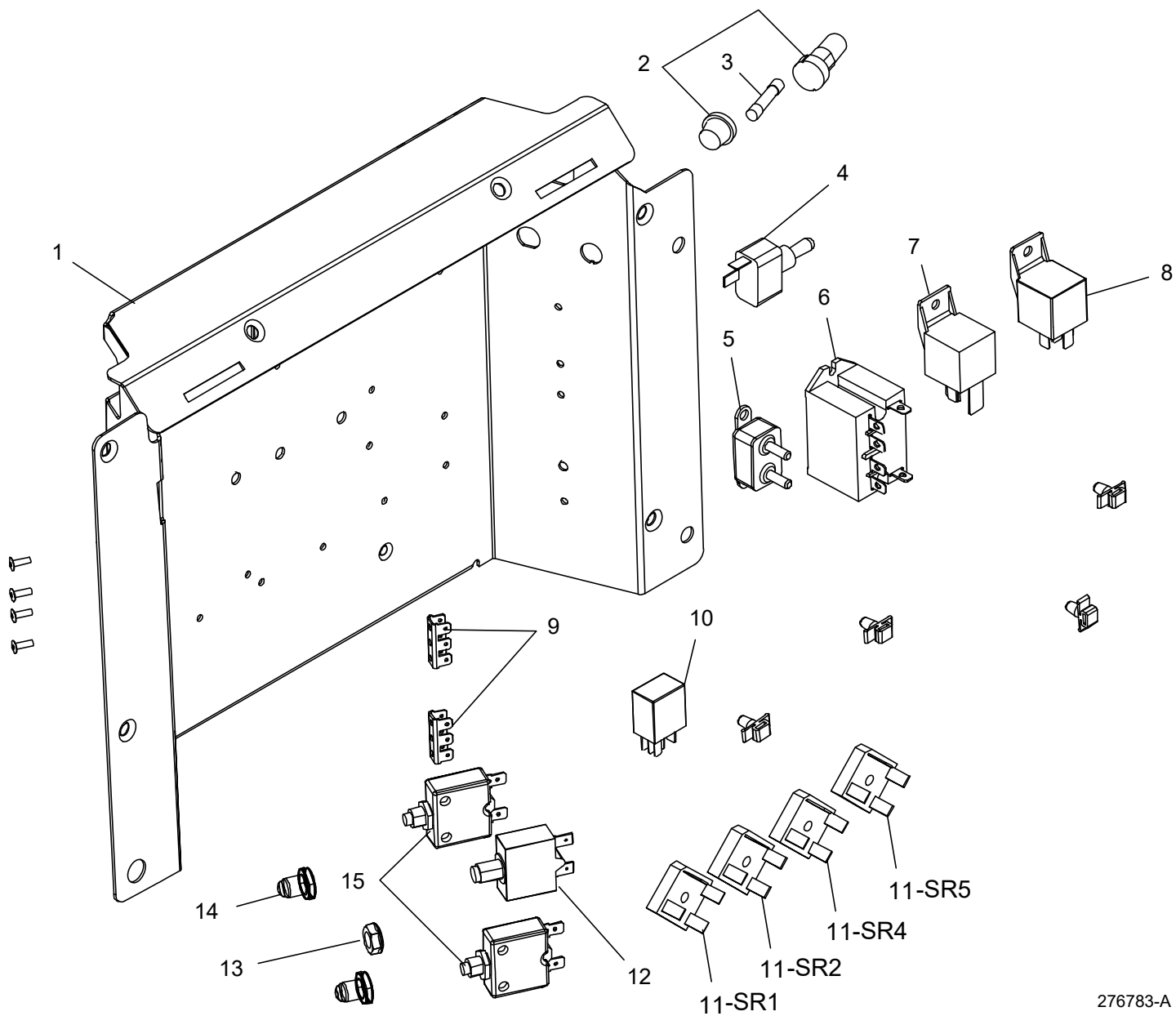
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		209056	Cover, Receptacle w/Gasket	2
2	RC11	182954	Rcpt, Str 3p4w 50A 125/250V Flush Mtg *14-50 Part of 264135 Harness, Rcpt Aux Power	1
3		263481	Label, Aux Power w/In Use Cover (Bf)	1
4		263826	Panel, Power	1
* 5	GFCI1,2	280236	Receptacle, Gfci 15/20A Part of 264135 Harness, Rcpt Aux Power	2
6	C11,C12	217054	Capacitor, Cer Disc .0047 uF 3000 Vdc w/Terms Part of 264135 Harness, Rcpt Aux Power	2
7	CB4,CB6	093996	Supplementary Pro, Man Reset 1P 20A 250 Vac Frict Part of 264135 Harness, Rcpt Aux Power	2
8	CB5	203026	Supplementary Protector, Man Reset 2p 50A 240 Vac Part of 264135 Harness, Rcpt Aux Power	1
9		601836	Nut, .250-20 50 Hex .19H Brs	3
10		010915	Washer, Flat .257 Id x 0.640 Od x .031T Brs	4
11		163167	Washer, Lock .254 Id x 0.489 Od x .062T Sst Split .250	2
12	GRD	083030	Stud, Brs .250-20 x 1.750 w/Hex Collar	1
13		263905	Cover, Receptacle Weatherproof Duplex Dual	1
14		602085	Screw, 008-32 x .75 Hexwhd .34D Stl Pld Slffmg Tap-Rw	4
15		119873	Nut, 008-32 .34 Hex .22I Stl Pld Ser Flange	4
/		264136	Leads List, Small (sold as part of 264135) Part of 264135 Harness, Rcpt Aux Power	1

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276783-A

Kubota Control Panel

Kubota Control Panel

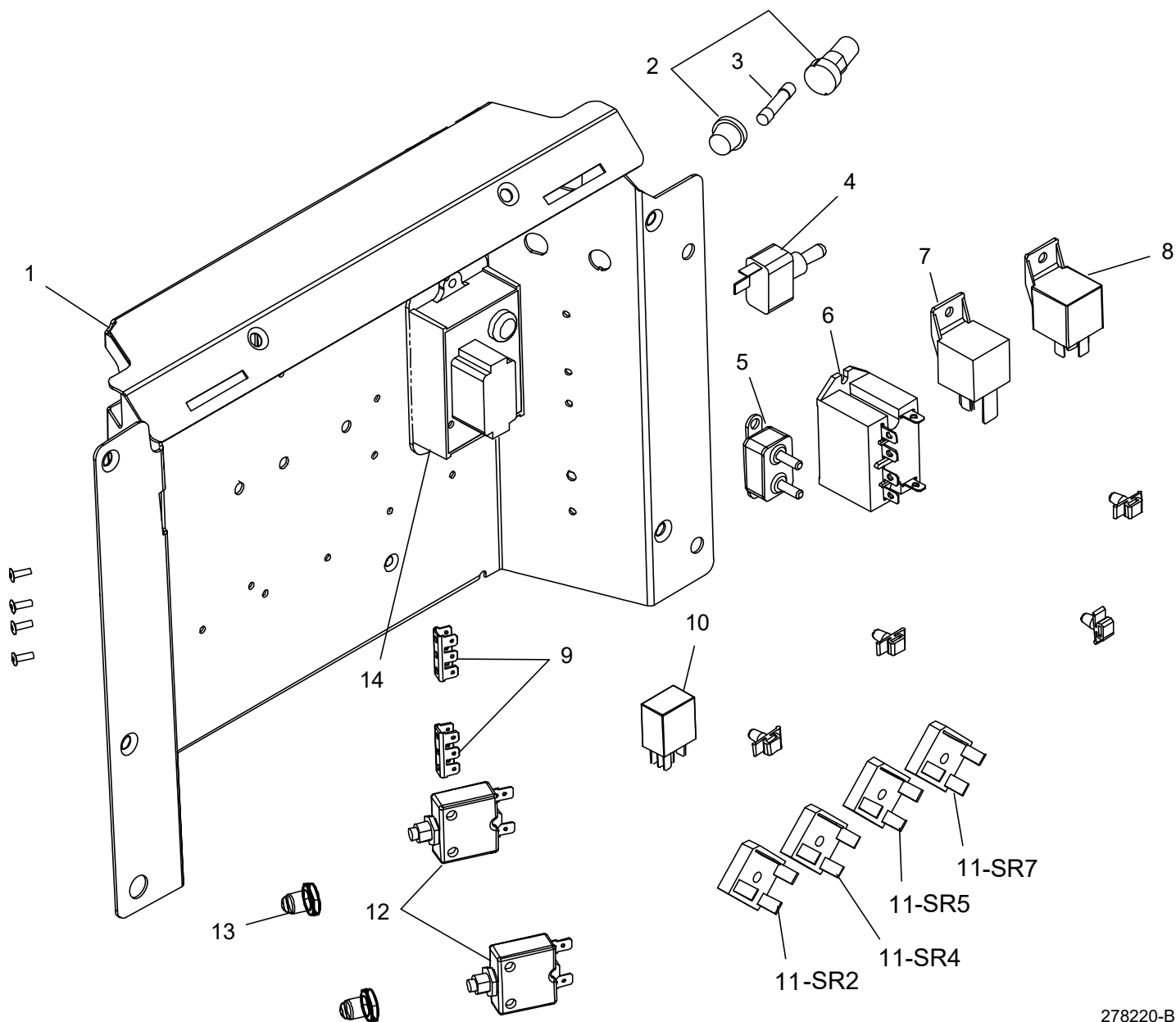
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		220981	Bracket, Mtg Components	1
2		046432	Holder, Fuse Mintr .250 x 1.250 Panel Mtg	1
* 3	F1	085874	Fuse, Mintr Cer Slo-Blo 10. Amp 250 Volt	1
4	S4	021467	Switch, Tgl Spst 3A 250V Off-None-(On) Spd Term	1
/		202209	Spacer, Nylon .805 Od x .510 Id x .220 Lg	1
/		021385	Boot, Toggle Switch Lever	1
5	CB1	190374	Circuit Breaker, Auto Reset 12 Vdc 40 Amp	1
6	CR1	223710	Relay, Encl 12 Vdc Dpst-No 25A 6Pin Flange	1
7	CR3	197325	Relay, Encl 12 Vdc Spst 70A 4Pin Flange Mtg	1
8	CR4	173069	Relay, Encl 12 Vdc Spdt 30A/20A 5 Pin Flange Mtg	1
9		129524	Term, Frict .250 x .032 Uninsul Male .130 Stud Mtg 3pr	2
10	CR2	252053	Relay, Encl 12 Vdc Spst 35A/14 Vdc 5 Pin	1
11	SR1,2,4,5	035704	Rectifier, Integ Bridge 40. Amp 800V	4
12	CB9	230635	Supplementary Pro, Auto Reset 1p 8A 12 Vdc Frict	1
13		147195	Nut, .375-27 .54Hex 25H Nyl Flange 62D	1
14		190323	Boot, Circuit Breaker Clear Hex Nut	2
15	CB2,CB3	083432	Supplementary Pro, Man Reset 1P 10A 250 Vac Frict	2

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278220-B

CAT Control Panel; Mitsubishi Control Panel Prior to MK151014R

CAT Control Panel; Mitsubishi Control Panel Prior to MK151014R

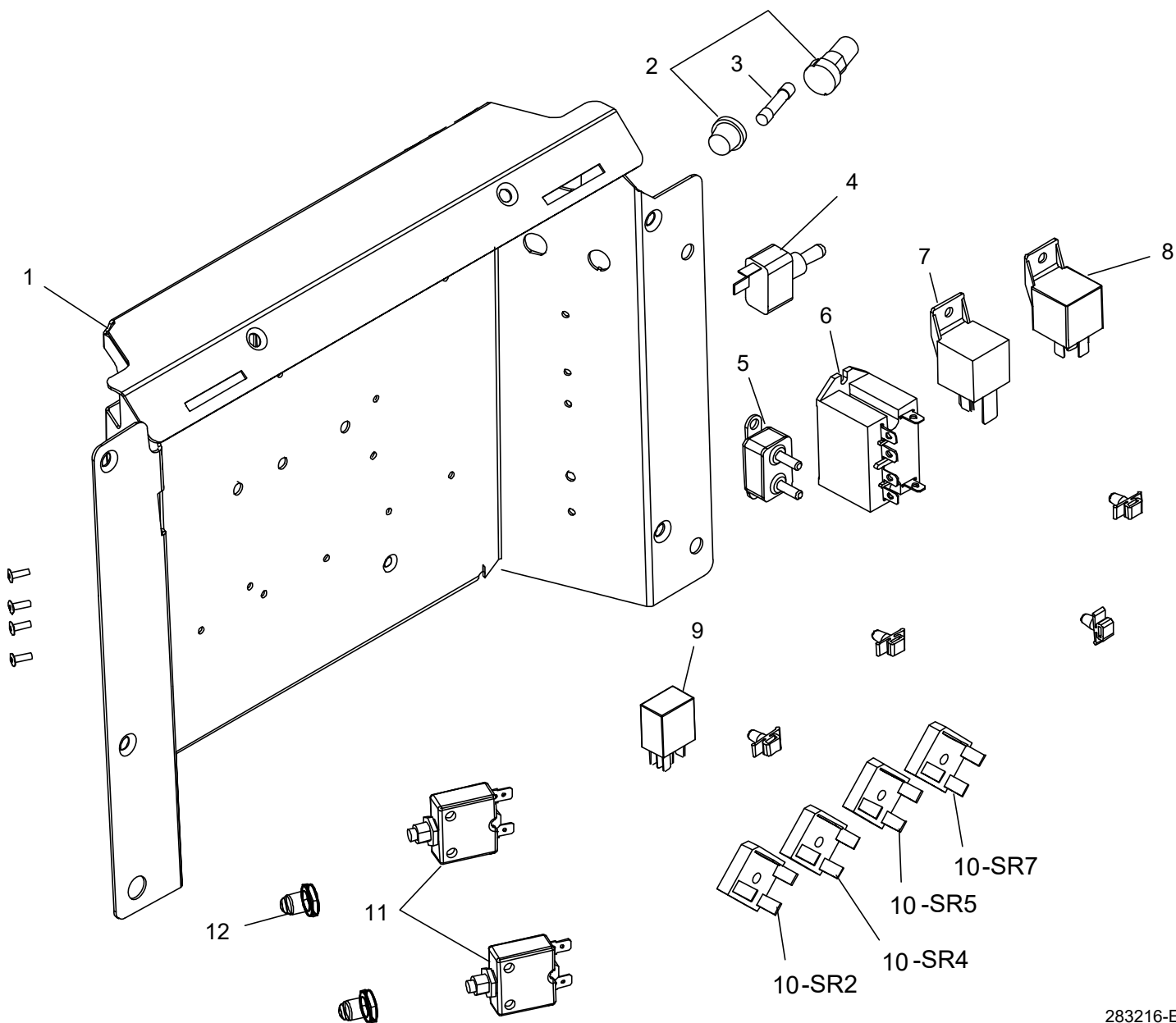
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		220981	Bracket, Mtg Components	1
2		256852	Holder, Fuse Mintr w/10A Slo-Blo Fuse	1
* 3	F1	085874	Fuse, Mintr Cer Slo-Blo 10. Amp 250 Volt	1
4	S4	021467	Switch, Tgl Spst 3A 250V Off-None-(On) Spd Term	1
/		202209	Spacer, Nylon .805 Od x .510 Id x .220 Lg	1
/		021385	Boot, Toggle Switch Lever	1
5	CB1	190374	Circuit Breaker, Auto Reset 12 Vdc 40 Amp	1
6	CR1	223710	Relay, Encl 12 Vdc Dpst-No 25A 6Pin Flange	1
7	CR3	197325	Relay, Encl 12 Vdc Spst 70A 4Pin Flange Mtg	1
8	CR4	173069	Relay, Encl 12 Vdc Spdt 30A/20A 5 Pin Flange Mtg	1
9		129524	Term, Frict .250 x .032 Uninsul Male .130 Stud Mtg 3pr	2
10	CR2	252053	Relay, Encl 12 Vdc Spst 35A/14 Vdc 5 Pin	1
11	SR2,4,5,7	035704	Rectifier, Integ Bridge 40. Amp 800V	4
12	CB2,CB3	083432	Supplementary Pro, Man Reset 1P 10A 250 Vac Frict	2
13		190323	Boot, Circuit Breaker Clear Hex Nut	2
14		266622	Module, Control Governor (Programed) Mitsubishi	1
14		270269	Module, Control Governor Turbo (Program 1500/1800) (CAT)	1

*Recommended Spare Parts ~ Optional ↓ Item includes other parts. → Item is part of a subassembly.

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283216-E

Mitsubishi Control Panel Eff with MK151014R

Mitsubishi Control Panel Eff with MK151014R

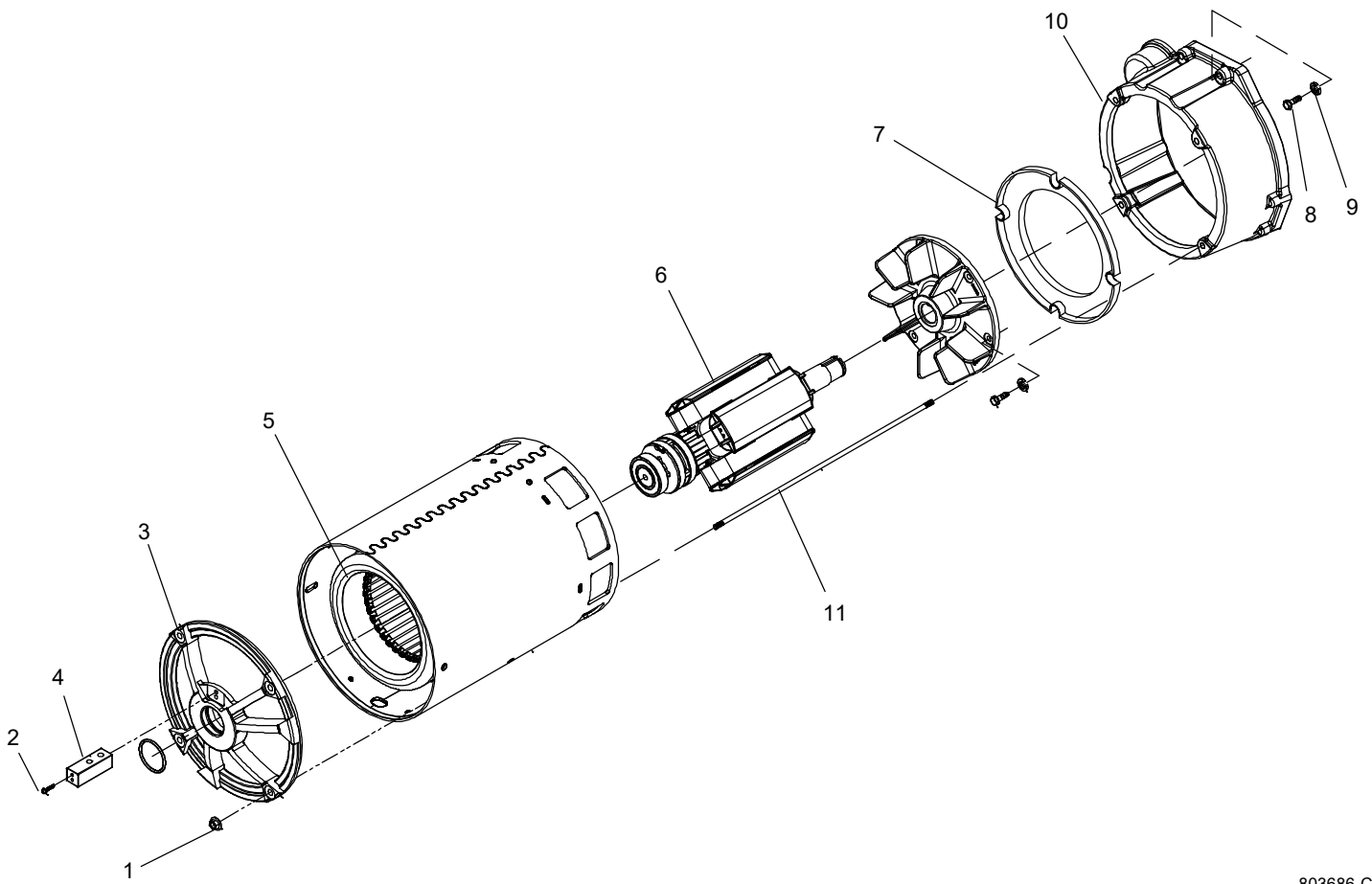
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		220981	Bracket, Mtg Components	1
2		256852	Holder, Fuse Mintr w/10A Slo-Blo Fuse	1
* 3	F1	085874	Fuse, Mintr Cer Slo-Blo 10. Amp 250 Volt	1
4	S4	021467	Switch, Tgl Spst 3A 250V Off-None-(On) Spd Term	1
/		246562	Boot, Switch	1
5	CB1	190374	Circuit Breaker, Auto Reset 12 Vdc 40 Amp	1
6	CR1	223710	Relay, Encl 12 Vdc Dpst-No 25A 6Pin Flange	1
7	CR3	197325	Relay, Encl 12 Vdc Spst 70A 4Pin Flange Mtg	1
8	CR4	173069	Relay, Encl 12 Vdc Spdt 30A/20A 5 Pin Flange Mtg	1
9	CR2	252053	Relay, Encl 12 Vdc Spst 35A/14 Vdc 5 Pin	1
10	SR2,4,5,7	035704	Rectifier, Integ Bridge 40. Amp 800V	4
11	CB2,CB3	083432	Supplementary Pro, Man Reset 1P 10A 250 Vac Frict	2
12		190323	Boot, Circuit Breaker Clear Hex Nut	2

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803686-C

Generator

Generator

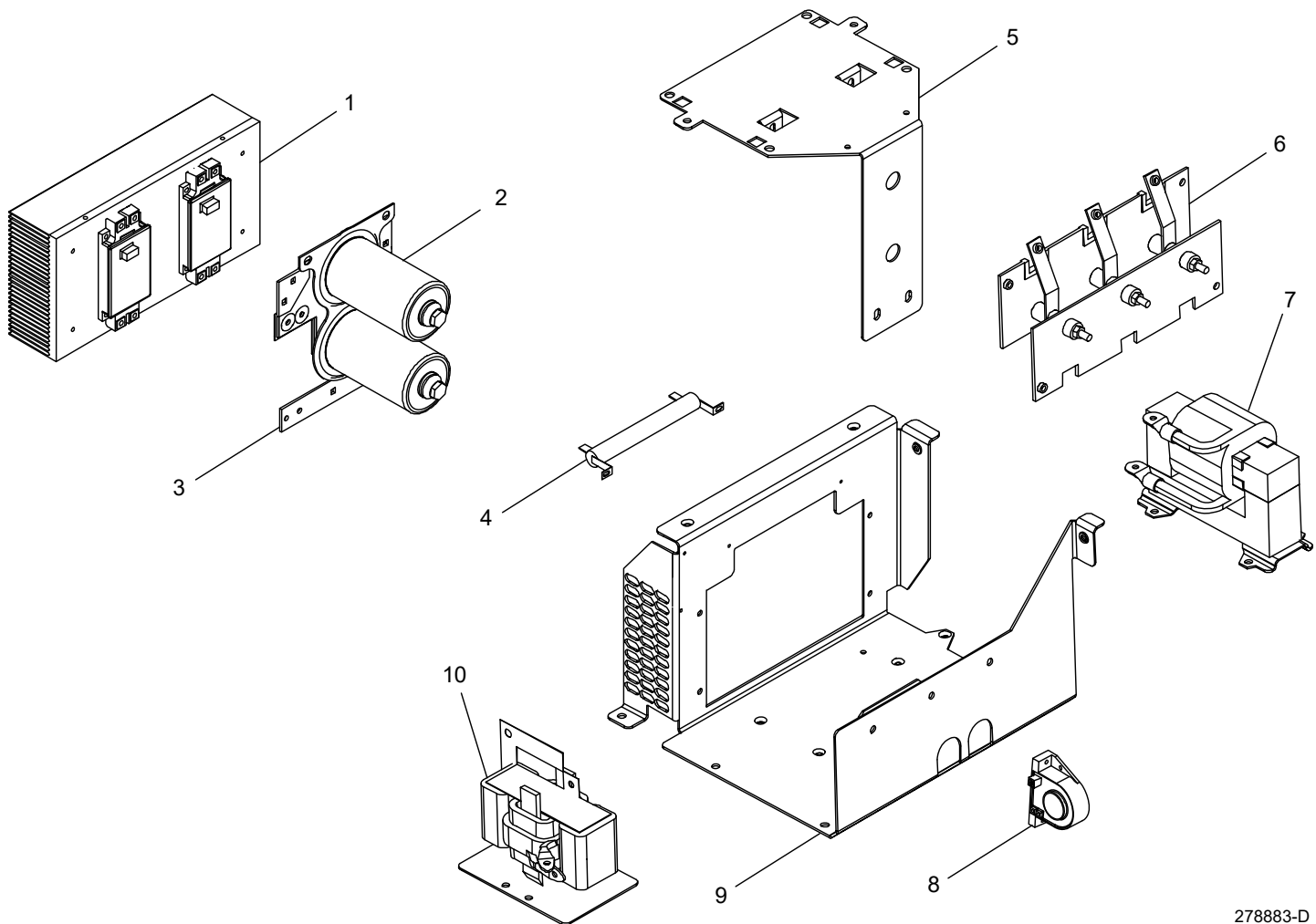
Item No.	Dia. Mkgs.	Part No.	Description	Qty
1		167788	Nut, .375-16 .56 Hex .34h Stl Pld Sem Cone Wshr .88D	4
2		136343	Screw, K50 x 20 Pan Hd-phl Stl Pld Pt Thread Forming	2
3		183336	↓ Endbell	1
/		183419	→ O-Ring, 1.984 Id x .139 Cs 75 Duro Viton	1
4		244290	Brushholder Assembly, Generator w/Leads	1
5	STATOR	276873	Stator, Generator 4 Pole	1
6	ROTOR	273688	↓ Rotor, Generator 4 Pole	1
/		181143	→ Bearing, Ball Rdl Sgl Row .984 x 2.047 x .591	1
/		192600	→ Fan, Rotor Gen	1
7		159918	Baffle, Fan	1
8		192686	Screw, M8-1.25 x 25 Hex Hd pln 8.8 Pld Din933	6
9		602211	Washer, Lock .318 Id x 0.586 Od x .078T Stl Pld Split .312	6
/		242537	Pickup, Magnetic Mitsubishi, Prior to Serial No. MK151014R; CAT	1
10		193515	Adapter, Engine (Kubota shown)	1
10		241075	Adapter, Engine Machined Mitsubishi S4I2 MH60319R - MK151013R	1
10		276895	Adapter, Engine Machined Mitsubishi S4I2 MK151014R - ZZ222222R	1
10		270171	Adapter, Engine Machined Cat Turbo (5/8 Pickup)	1
11		212641	Stud, Stl .375-16 1.625 x 19.000	4

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278883-D

Weld Control Assembly

Weld Control Assembly

Item No.	Dia. Mkgs.	Part No.	Description	Qty
1	MOD1,2	278884	Heat Sink Assy, IGBT	1
2		250590	↓ Kit, Capacitor/Bus Bar	1
/	C1	262919	→ Capacitor/Bus Bar Assy	2
/		251291	→ Hardware Kit	1
3		245378	Bus Bar, AC	1
4	R3	188067	Resistor, WW Fxd 100 W 200 Ohm w/Clips	1
5		245360	Bracket, Mtg Vault	1
6	SR3	225516	Rectifier, Si 3Ph 300 Amp 400 Piv 100% Duty Cycle	1
7	Z1	249772	Stabilizer	1
8	HD1	168829	Transducer, Current 1000A Module Max Open Loop	1
9		245361	Bracket, Mtg Components	1
10	T1	247224	Xfmr, Control	1

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Wiring Harnesses

Item No.	Dia. Mkgs.	Part No.	Description	Qty
/		276786	Harness, Engine Kubota 1505	1
/	CR2	252053	Relay, Encl 12 Vdc Spst 35A/14 Vdc 5 Pin	1
/	PLG17	148850	Socket, Relay 5 Pin	1
/	PLG30	192170	Conn, Rect 250 2skt 2Row Plug Cable Lkg	1
/	PLG20	192168	Conn, Rect 250 1Pin 1Row Rcpt Cable Lkg	1
/		278216	Harness, Engine Mitsubishi S4I2 MH060319R - MK151013R	1
/		247364	↓ Harness, Governor Control	1
/	PLG12	215261	→ Conn, Deutsch 12p 2row Female Plug	1
/		215265	→ Conn, Deutsch Wedge Lock 12 Position	1
/		204702	→ Core, Toroidal .187 Id x .375 Od x .125 Thk	5
/		215343	→ Seal, Plug Deutsch 12-16 Size	5
/		242581	↓→ Cable, Lem	1
/		214708	→→ Cable, Shld No 18Ga 2/C Pltc 300V 105c Pvc Jkt	1.833
/		047994	→→ Term, Frict .250 x .032 Ultrfast Feml 22-18Ga .135 Od	2
/		207354	→→ Conn, Pushin Skt 14-18 Ga	1
/		032455	→→ Term, Frict .250 x .032 Uninsul Comb 18-14Ga 170 Od	1
/		204702	→ Core, Toroidal .187 Id x .375 Od x .125 Thk	1
/	PLG16	150316	Conn, Rect Univ 039 6P/S 3row Plug Cable Lkg	1
/	CR2	252053	Relay, Encl 12 Vdc Spst 35A/14 Vdc 5 Pin	1
/		246562	Boot, Switch	2
/		283217	Harness, Engine Mitsubishi S4L2 MK151014R - ZZ222222R	1
/		283219	↓ Harness, Governor Control	1
/	PLG12	215261	→ Conn, Deutsch 12p 2row Female Plug	1
/		215265	→ Conn, Deutsch Wedge Lock 12 Position	1
/		204702	→ Core, Toroidal .187 Id x .375 Od x .125 Thk	5
/		215343	→ Seal, Plug Deutsch 12-16 Size	5
/		283869	↓→ Cable, Speed Sensor	1
/		214708	→→ Cable, Shld No 18Ga 2/C Pltc 300V 105c Pvc Jkt	1.833
/	PLG14	283866	→→ Conn, Female 2 Pos Swp-Type Yazaki	1
/		283867	→→ Term, Female Swp-Type Yazaki	2
/		283868	→→ Seal, Conn 1 Pos Yazaki	2
/		207354	→→ Conn, Pushin Skt 14-18 Ga	1
/		071851	→→ Term, Ring Tng .250 Stud Pidg 22-16Ga .140 Od	1
/		204702	→→ Core, Toroidal .187 Id x .375 Od x .125 Thk	1
/		284613	→→ Seal, Conn 2 Pos (Yazaki) Yazaki	1
/	PLG13	283703	→ Conn, Molex 12mm 1 x 3 Rcpt Sealed Assy Cable Seal	1
/		283943	→ Seal, Single Wire	3
/		147711	→ Splice, Closed End 22-10 Wire Insulated White	2
/	PLG16	150316	Conn, Rect Univ 039 6P/S 3row Plug Cable Lkg	1
/	PLG409	177859	Conn, Body 5 Terminal	1
/	CR2	252053	Relay, Encl 12 Vdc Spst 35A/14 Vdc 5 Pin	1
/		246562	Boot, Switch	2
/		283387	↓ Harness, Engine CAT Turbo	1

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Wiring Harnesses

Item No.	Dia. Mkgs.	Part No.	Description	Qty
/		247364	→ Harness, Governor Control	1
/	PLG12	215261	→ Conn, Deutsch 12p 2row Female Plug	1
/		215265	→ Conn, Deutsch Wedge Lock 12 Position	1
/		204702	→ Core, Toroidal .187 Id x .375 Od x .125 Thk	5
/		215343	→ Seal, Plug Deutsch 12-16 Size	5
/		242581	↓→ Cable, Lem	1
/		214708	→→ Cable, Shld No 18Ga 2/C Pltc 300V 105c Pvc Jkt	1.833
/		047994	→→ Term, Frict .250 x .032 Ultrfast Feml 22-18Ga .135 Od	2
/		207354	→→ Conn, Pushin Skt 14-18 Ga	1
/		032455	→→ Term, Frict .250 x .032 Uninsul Comb 18-14Ga 170 Od	1
/		204702	→→ Core, Toroidal .187 Id x .375 Od x .125 Thk	1
/	PLG16	150316	Conn, Rect Univ 039 6P/S 3row Plug Cable Lkg	1
/	PLG409	177859	Conn, Body 5 Terminal	1
/	CR2	252053	Relay, Encl 12 Vdc Spst 35A/14 Vdc 5 Pin	1
/		212116	Conn, Deutsch 2P 1Row Female Plug	3
/		212117	Conn, Deutsch Wedge Lock 2 Position	3
/		276784	Harness, Weld Control (Sec Switch)	1
/	S4	021467	Switch, Tgl Spst 3A 250V Off-None-(On) Spd Term	1
/	PLG3	114655	Conn, Rect Mini 045 6skt 2Row Plug Cable Lkg	1
/	PLG4	116513	Conn, Rect Mini 045 12skt 2row Plug Cable Lkg	1
/	PLG5	113752	Conn, Rect Mini 045 10skt 2Row Plug Cable Lkg	1
/	PLG9	117037	Conn, Rect Mini 045 2skt 2row Plug Cable Lkg	1
/	PLG10	113750	Conn, Rect Mini 045 4skt 2Row Plug Cable Lkg	1
/	PLG409	177859	Conn, Body 5 Terminal	1

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Optional Components For Wireless Interface Control

Item No.	Dia. Mkgs.	Part No.	Description	Qty
		286598	↓ Kit, Remote Module/Fob	1
		286602	→ Module, Fob Radio Receiver	1
		286599	→ Module, Radio Receiver	1
		286600	Module, Antenna Radio Receiver	1
		287593	Bracket, WIC Receiver	1
		286687	↓ Harness, Wrg Remote	1
		286321	→ Lead Assy, Twisted Pair	1
	RC409	286535	→ Conn, Body 5 Terminal Rcpt	1
	PLG410	177859	→ Conn, Body 5 Terminal	1
	PLG7	285708	→ Conn, Rect Mx120G 12Pin 2row Rcpt	1
	PLG6	113751	→ Conn, Rect Mini 045 8skt 2Row Plug Cable Lkg	1
		287538	→ Plug, Cavity	3
	CR5	173069	→ Relay, Encl 12 Vdc Spdt 30A/20A 5 Pin Flange Mtg	1
		250930	→ Alarm, Piezo Slow Pulse 4-16 Vdc 105/100 Db	1
		286634	Label, Warning Remote Start	1
		286737	Cable, Charging USB	2
		286604	Charger, USB	2

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