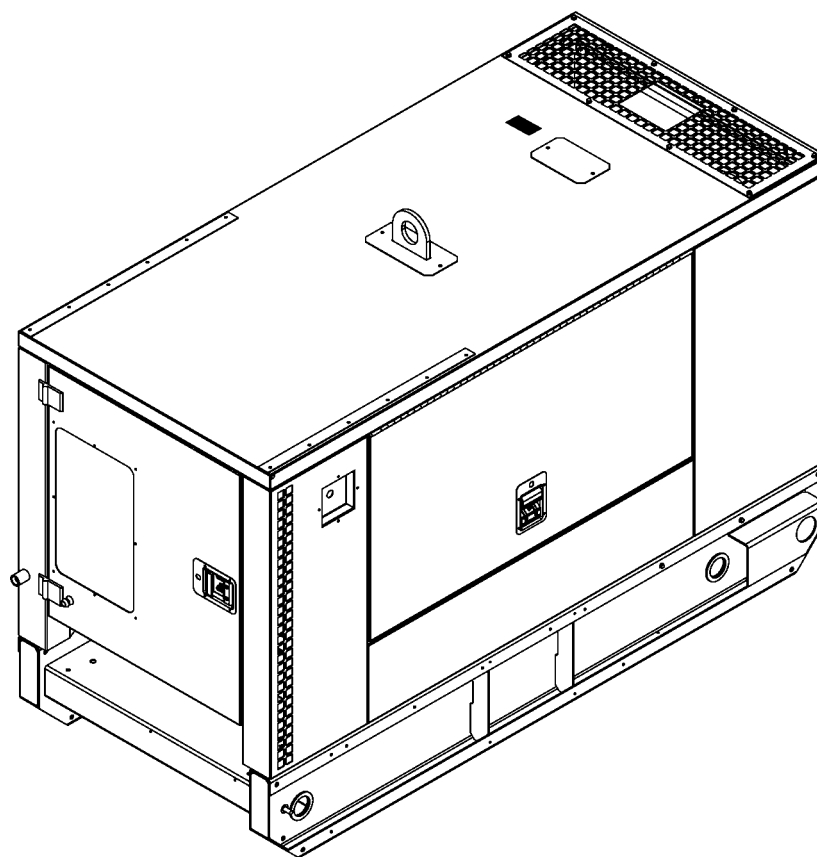




Portable Power

G30-50Hz

PARTS MANUAL



22957138_G_11/12



Portable Power

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Section A - Parts Ordering

GENERAL

This publication, which contains an illustrated parts breakdown, has been prepared as an aid in locating those parts which may be required in the maintenance of the unit. Always insist on genuine Doosan branded parts for your unit.

Doosan Infracore Portable Power can bear no responsibility for injury or damages resulting directly from the use of non-approved repair parts.

Portable Power service facilities and Doosan parts are available worldwide. Consult local yellow pages or visit: www.doosanportablepower.com.

Special order parts may not be included in this manual. Contact the Portable Power Parts Department with the unit serial number for assistance with these special parts.

Description

The illustrated parts breakdown illustrates and lists the various assemblies, subassemblies and detailed parts which make up this particular machine. This covers the standard models and the more popular options that are available.

In referring to the rear, the front or to either side of the unit, always consider the drawbar end of the unit as the front.

Standing at the rear of the unit facing the drawbar (front) will determine the right and left sides.

Fasteners

Both SAE/inch and ISO/metric hardware have been used in the design and assembly of these units. In the disassembly and reassembly of parts, extreme care must be taken to avoid damaging threads by the use of wrong fasteners.

How To Order

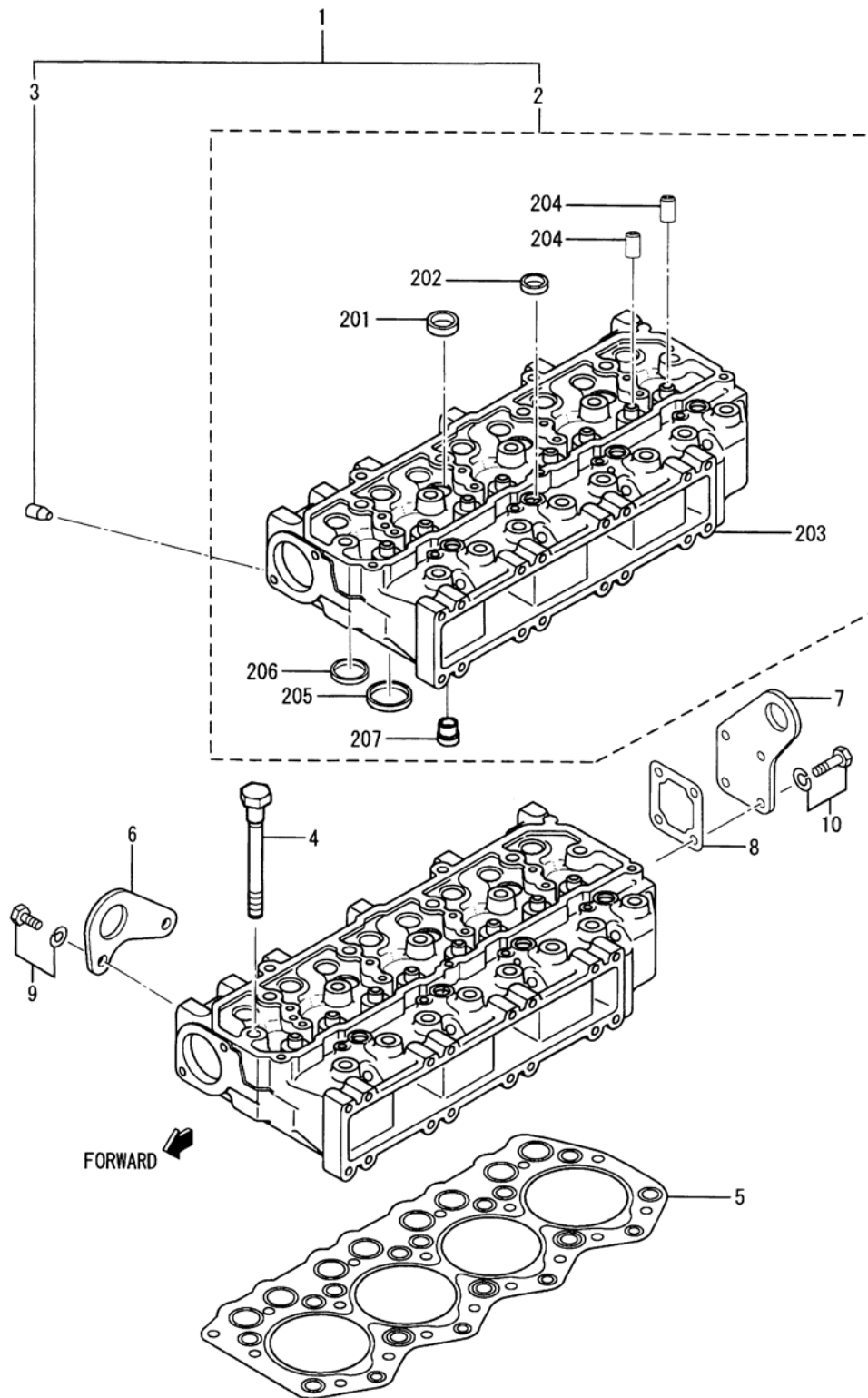
Always specify the model and serial number of the unit.

Specify the part number and description.



Engine Parts List

Cylinder Head

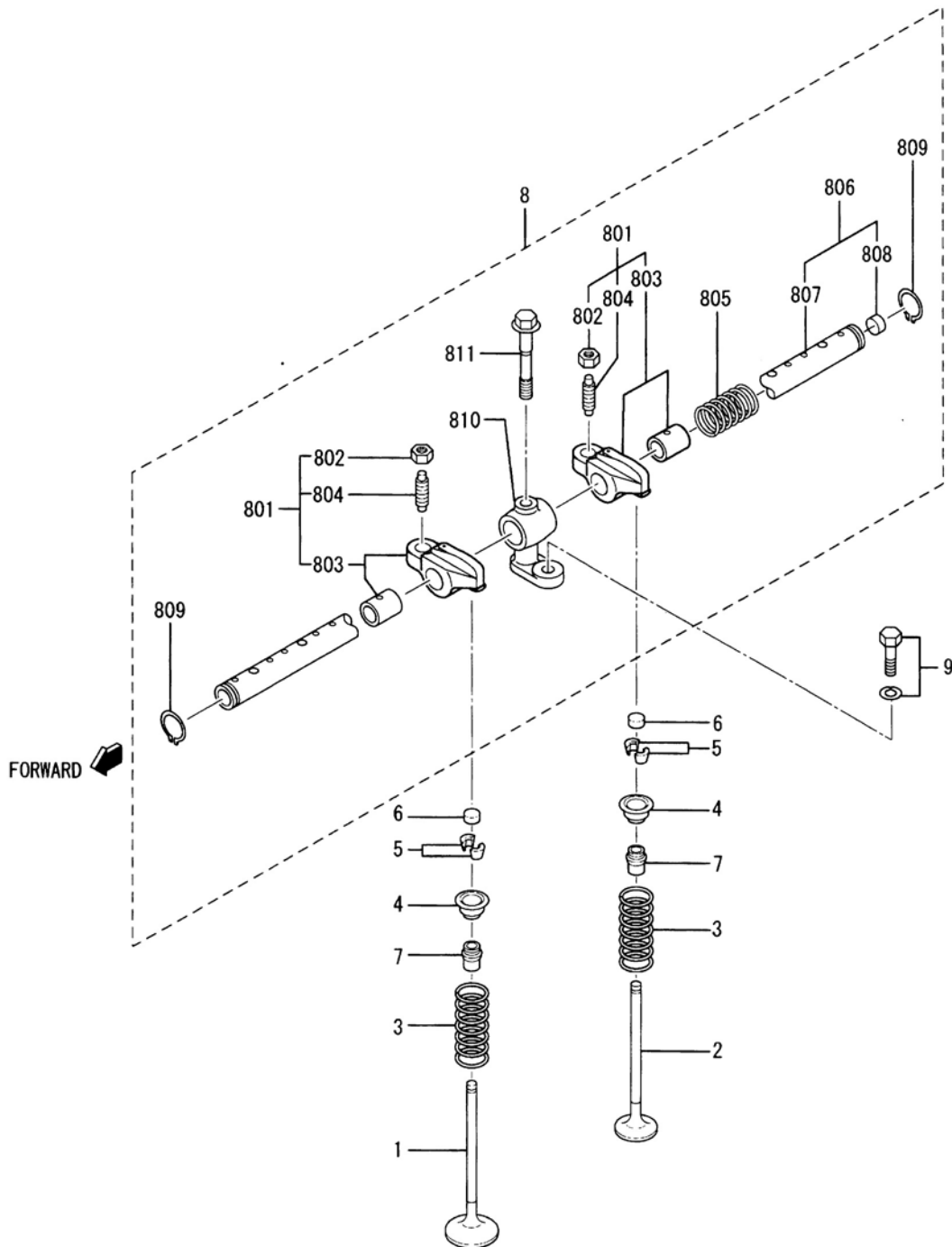


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Cylinder Head

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22851679	Head Assembly, Cylinder	1	
2	NSS	Head Sub Assembly Cylinder	1	
201	22801666	Cap, Sealing	8	
202	22801674	Cap, Sealing	7	
203	NSS	Cylinder Head	1	
204	22851646	Guide, Valve	8	
205	22851653	Seat, Inlet Valve	4	
206	22851661	Seat, Exhaust Valve	4	
207	22851687	Jet, Combustion	4	
3	NSS	Plug	1	
4	22802201	Bolt, Cylinder Head	17	
5	85060812	Gasket, Cylinder Head	1	
6	22802219	Eye, Lifting Front	1	
7	22802227	Eye, Lifting Rear	1	
8	36134336	Gasket, Head Rear	1	
9	22852289	Bolt, W/Washer	2	
10	22804694	Bolt, W/Washer	4	

Valve Mechanism



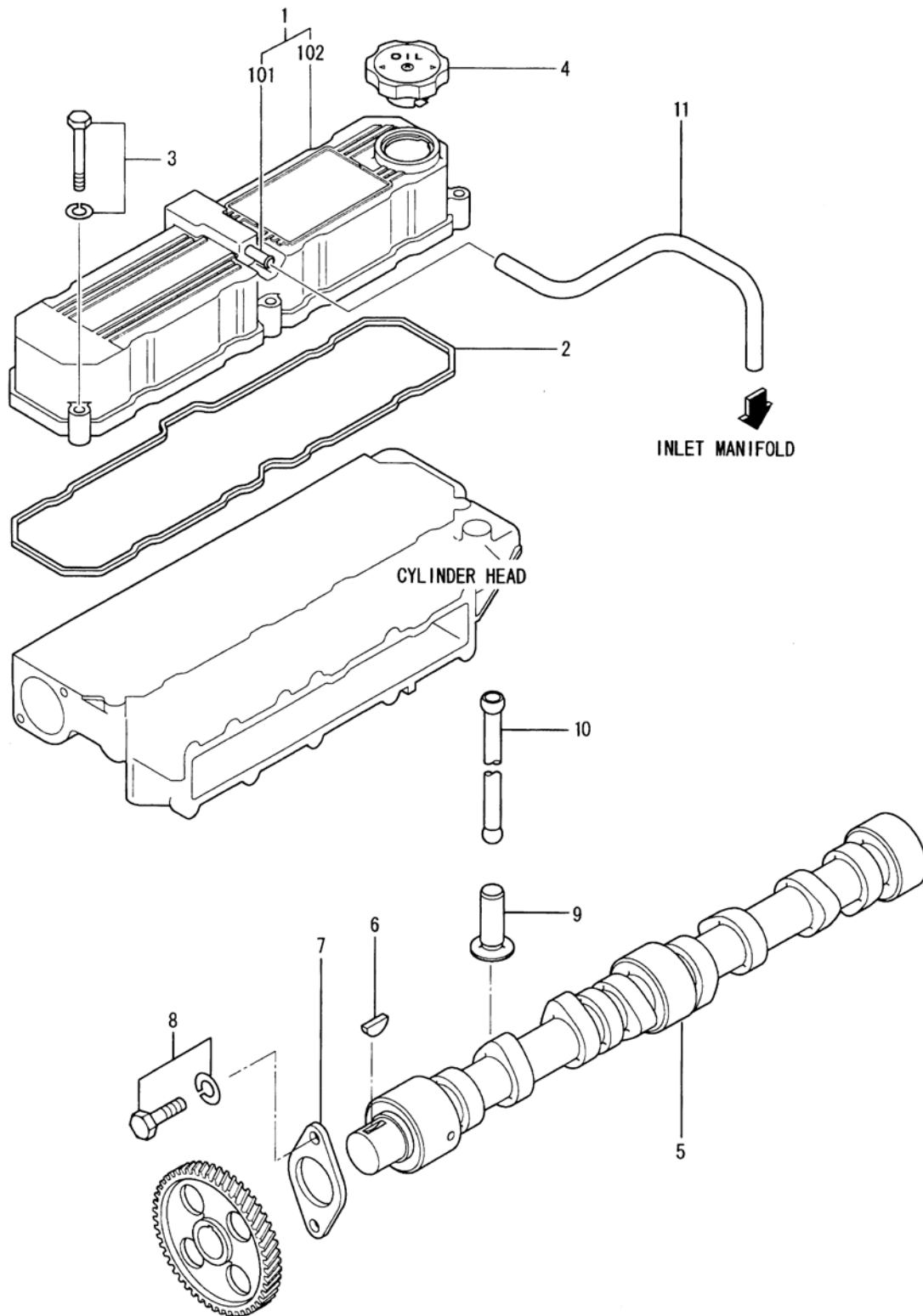
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Valve Mechanism

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22851695	Valve, Inlet	4	
2	22851703	Valve, Exhaust	4	
3	22801765	Spring, Valve	8	
4	85625747	Retainer, Upper	8	
5	85625812	Cotter, Valve	16	
6	85625879	Cap	8	
7	22802292	Seal, Valve Stem	8	
8	NSS	Rocker & Shaft Assembly	1	
801	22802391	Rocker Assembly	8	
802	22804728	Nut, Jam	8	
803	NSS	Rocker & Bushing	8	
804	22802284	Screw, Rocker	8	
805	22803746	Spring, Rocker	3	
806	22802300	Shaft Assembly, Rocker	1	
807	NSS	Shaft, Rocker	1	
808	22801609	Cap, Sealing	2	
809	22852065	Ring, Snap	2	
810	22802318	Bracket, Rocker Shaft	4	
811	22802326	Bolt, Rocker Bracket	4	
9	22852305	Bolt, W/Washer	4	

Rocker Cover & Camshaft

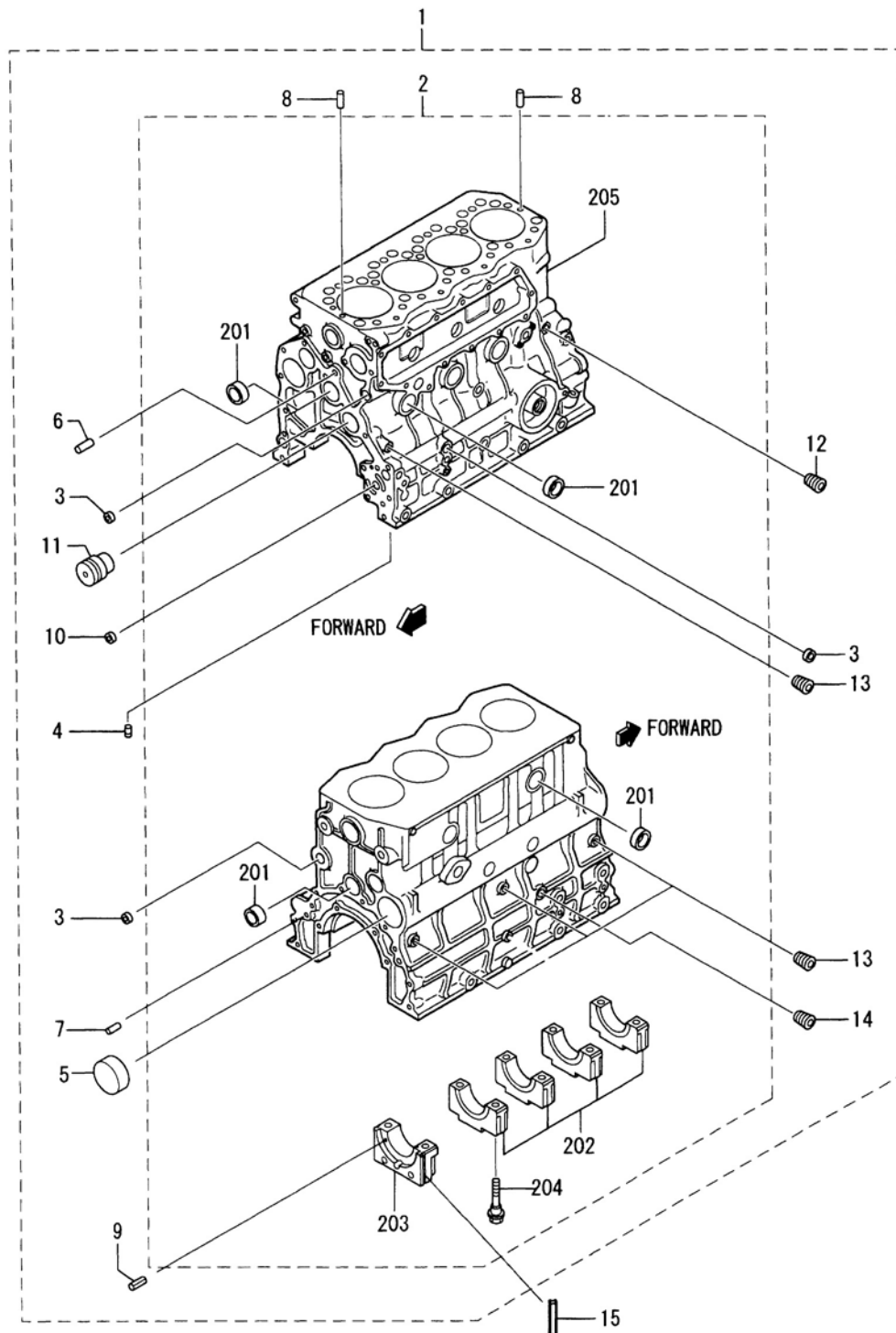


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Rocker Cover & Camshaft

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22802367	Cover Assembly Rocker	1	
101	NSS	Pipe	1	
102	NSS	Cover, Rocker	1	
2	85400174	Gasket, Rocker Cover	1	
3	22852321	Bolt, W/Washer	5	
4	85508562	Cap, Oil Filler	1	
5	22802433	Camshaft	1	
6	22852511	Key, Woodruff	1	
7	22801732	Plate, Thrust	1	
8	22852289	Bolt, W/Washer	2	
9	22802441	Tappet	8	
10	22802458	Rod, Push	8	
11	22803118	Hose, Breather	1	

Crankcase

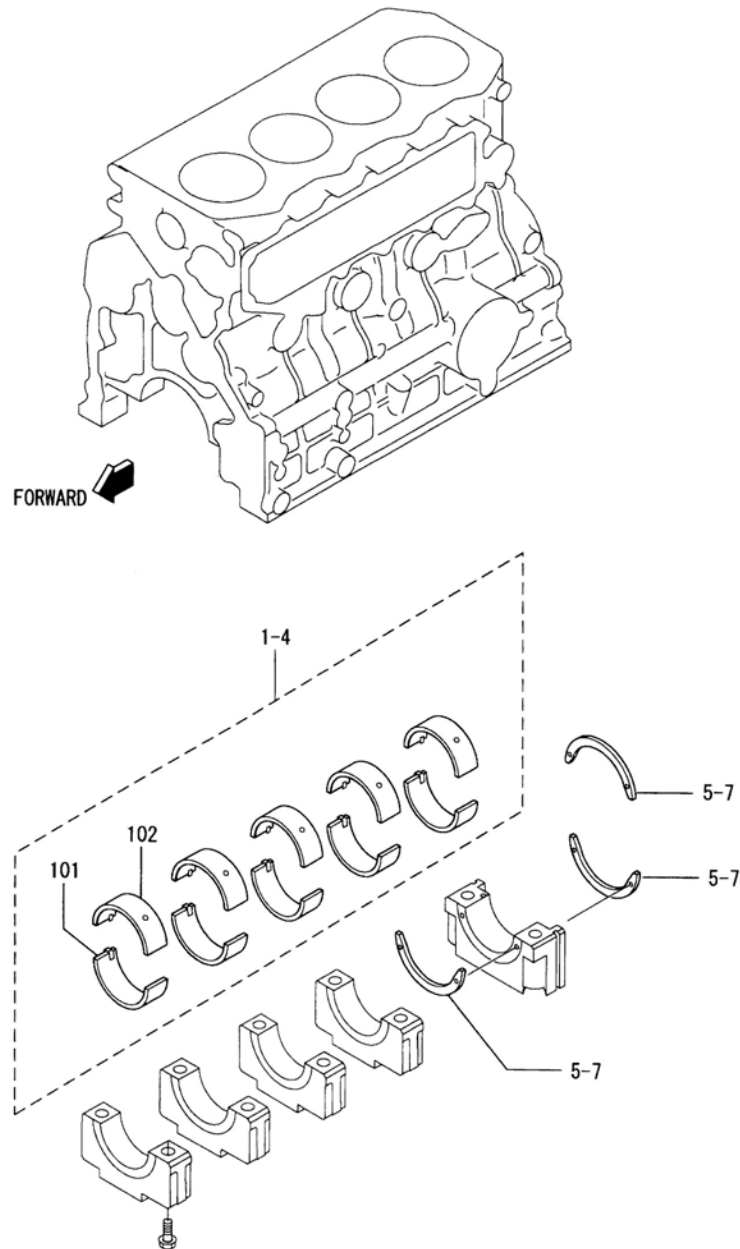


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Crankcase

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22851711	Crankcase Assembly	1	
2	NSS	Crankcase Sub Assembly	1	
201	22801682	Cap, Sealing	10	
202	NSS	Cap, Bearing	4	
203	NSS	Cap, Bearing Rear	1	
204	22802516	Bolt, Bearing Cap	10	
205	NSS	Crankcase	1	
3	22801625	Cap, Sealing	5	
4	NSS	Plug	3	
5	36129633	Plug, Cam	1	
6	22802474	Pin, Dowel	2	
7	22852495	Pin, Dowel	2	
8	22844161	Pin, Dowel	2	
9	22852503	Pin, Spring	6	
10	22801690	Bushing	1	
11	22802896	Shaft, Idler	1	
12	22804785	Plug, Tapered	1	
13	22805402	Plug, Tapered	6	
14	22805410	Plug, Tapered	1	
15	22802540	Seal, Side	2	

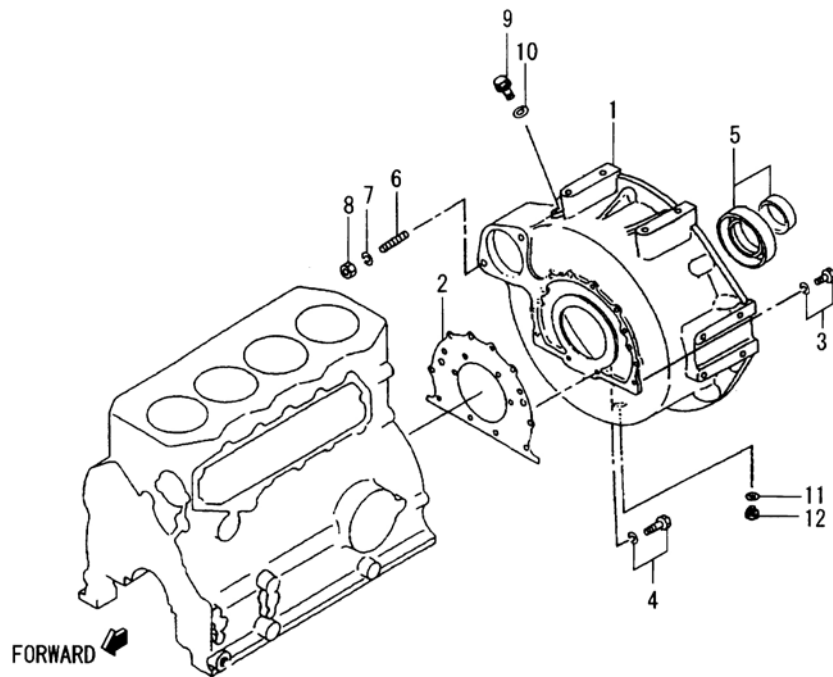
Main Metal



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22851729	Metal Set, Main	1	
101	NSS	Metal, Main Lower	5	
102	NSS	Metal, Main Upper	5	
2	22851737	Metal Set, Main	1	
3	22851745	Metal Set, Main	1	
4	22851752	Metal Set, Main	1	
5	22803563	Plate, Thrust	3	
6	22851935	Plate, Thrust	3	
7	22851943	Plate, Thrust	3	

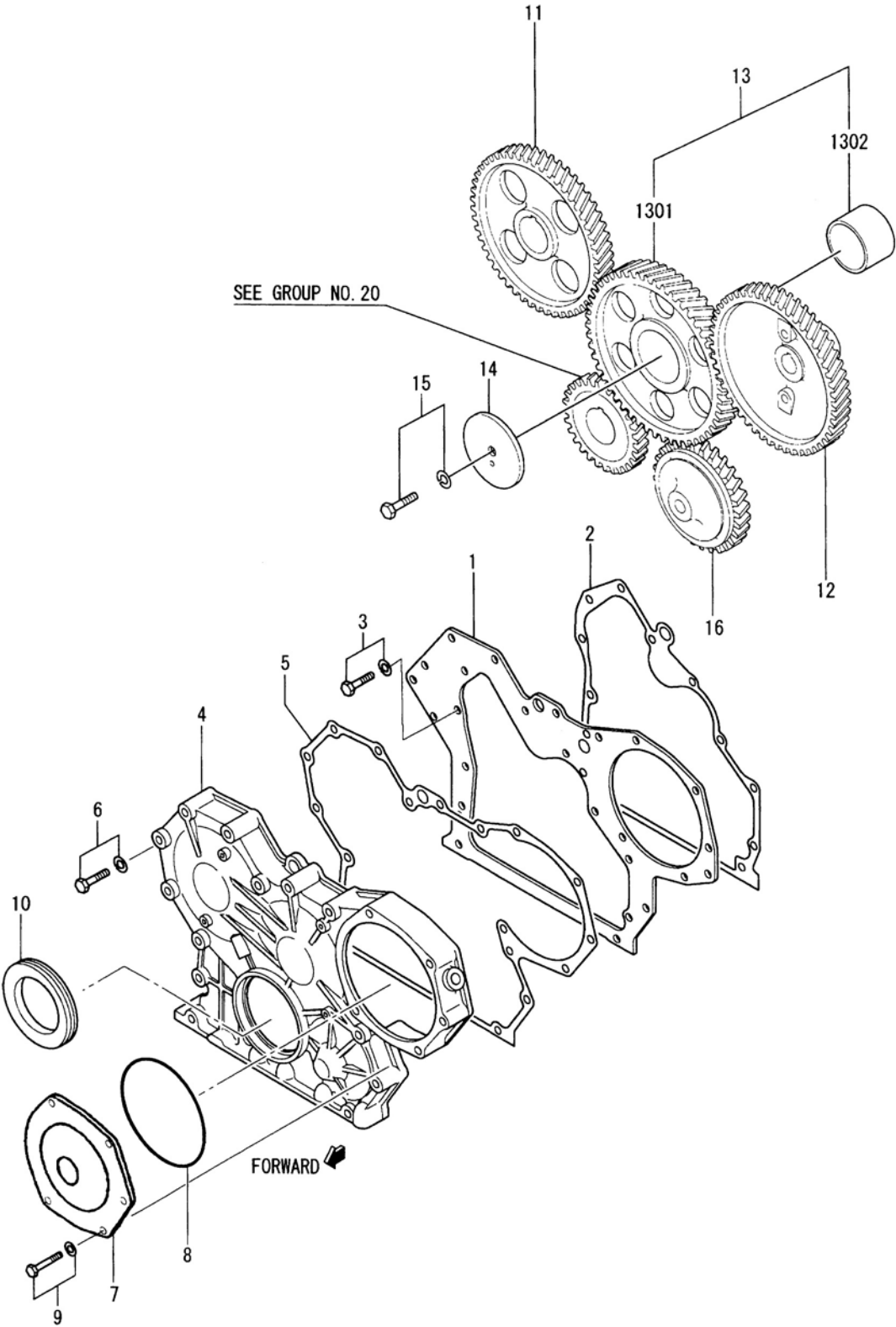
Flywheel Housing



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22803571	Housing, Flywheel	1	
2	36135887	Gasket, Rear	1	
3	22852412	Bolt, W/Washer	10	
4	22852420	Bolt, W/Washer	2	
5	22851422	Seal Assembly Oil	1	
6	22805246	Stud	2	
7	22852982	Washer, Spring	2	
8	22852479	Nut, Lock	2	
9	22805295	Plug, Drain	1	
10	22801880	Gasket	1	
11	85626240	Gasket, Oil Drain	1	
12	22804793	Plug, Drain	1	

Timing Gear Case & Timing Gear

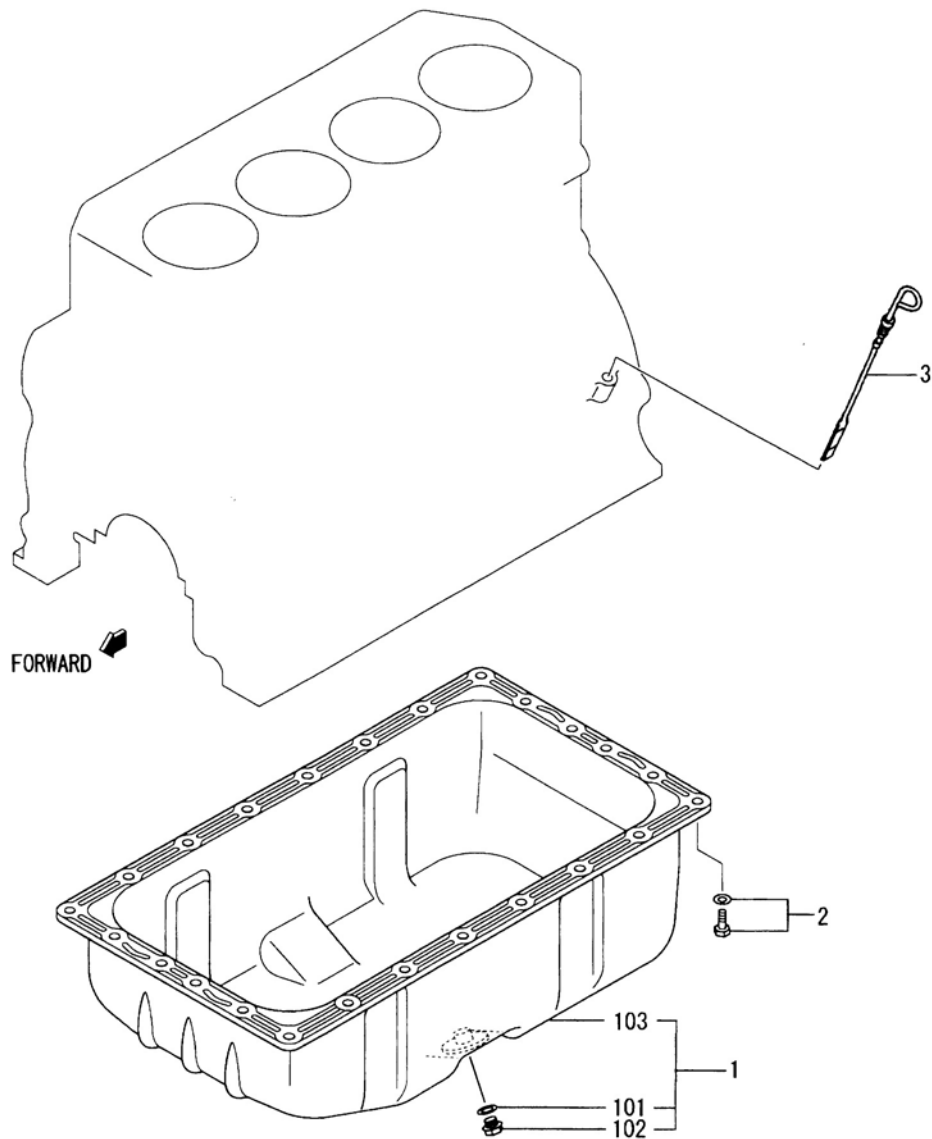


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Timing Gear Case & Timing Gear

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22802623	Plate, Front	1	
2	22802524	Gasket, Front Plate	1	
3	22852289	Bolt, W/Washer	5	
4	22802599	Case, Timing Gear	1	
5	22802607	Gasket, Gear Case	1	
6	22852354	Bolt, W/Washer	13	
7	22802615	Cover, Timing Gear	1	
8	22801724	O-Ring	1	
9	22852370	Bolt, W/Washer	5	
10	36129625	Seal, Oil	1	
11	22802854	Gear, Camshaft	1	
12	22802904	Gear, Injection Pump	1	
13	22802862	Idler Assembly Gear	1	
1301	NSS	Gear, Idler	1	
1302	NSS	Bushing	1	
14	22801989	Plate, Thrust	1	
15	22852404	Bolt, W/Washer	1	
16	22802979	Gear, Oil Pump	1	

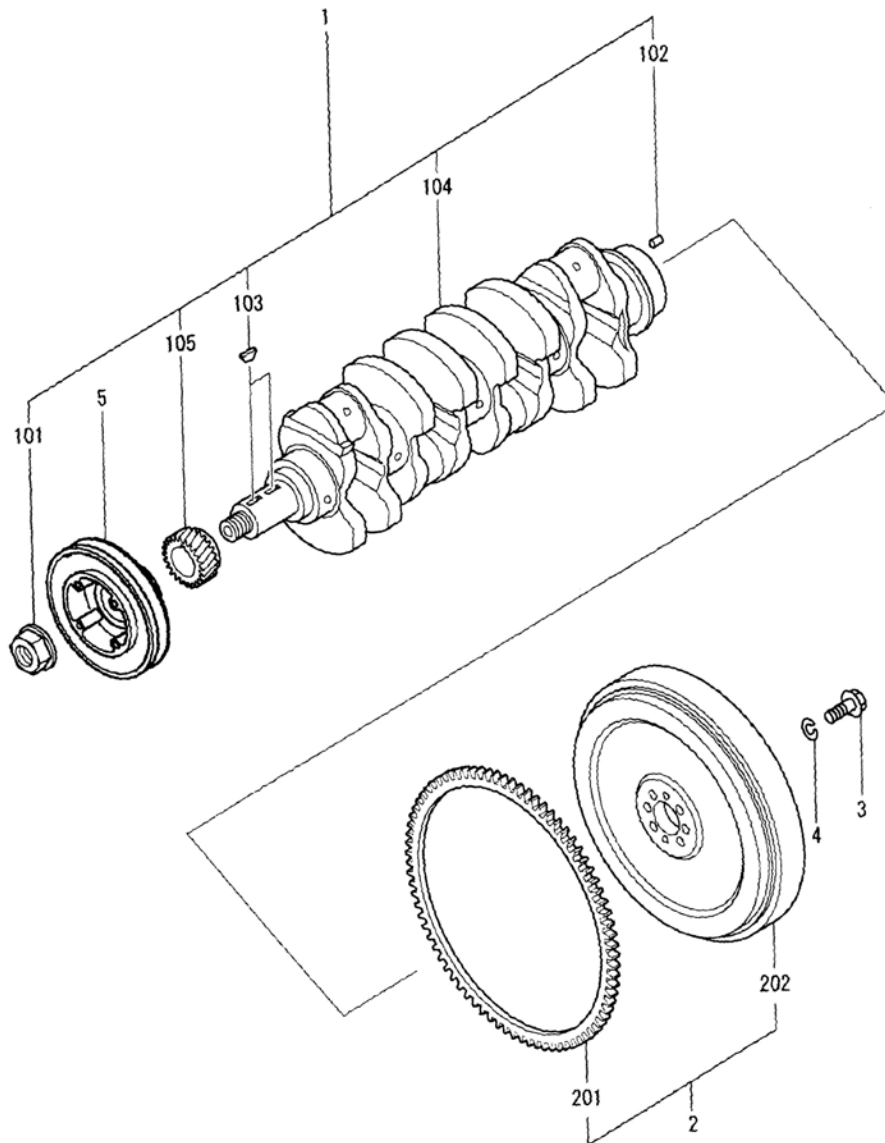
Oil Pan & Oil Level Gauge



22636807_014_03/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22802631	Pan Assembly, Oil	1	
101	85625135	Gasket	1	
102	22804819	Plug, Drain	1	
103	NSS	Pan, Oil	1	
2	22852289	Bolt, W/Washer	24	
3	36134971	Dipstick, Oil Level	1	

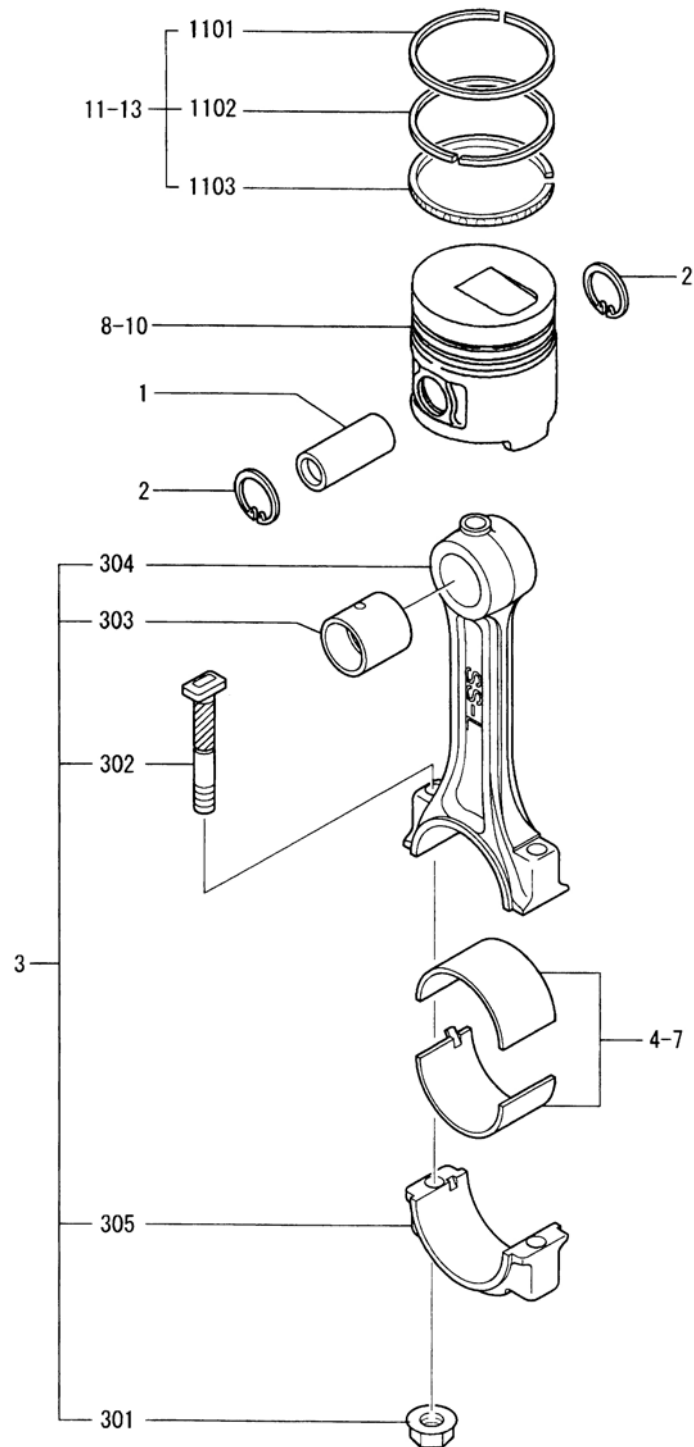
Crankshaft & Flywheel



22636807_015_03/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22851869	Crankshaft Assembly	1	
101	22802821	Nut, Crankshaft	1	
102	22852487	Pin, Dowel	2	
103	22852511	Key, Woodruff	2	
104	NSS	Crankshaft	1	
105	22802847	Gear, Crankshaft	1	
2	22802839	Flywheel Assembly	1	
201	22851877	Gear, Ring	1	
202	NSS	Flywheel	1	
3	22852255	Bolt	4	
4	22852990	Washer, Spring	4	
5	22802813	Pulley, Crankshaft	1	

Piston & Connecting Rod

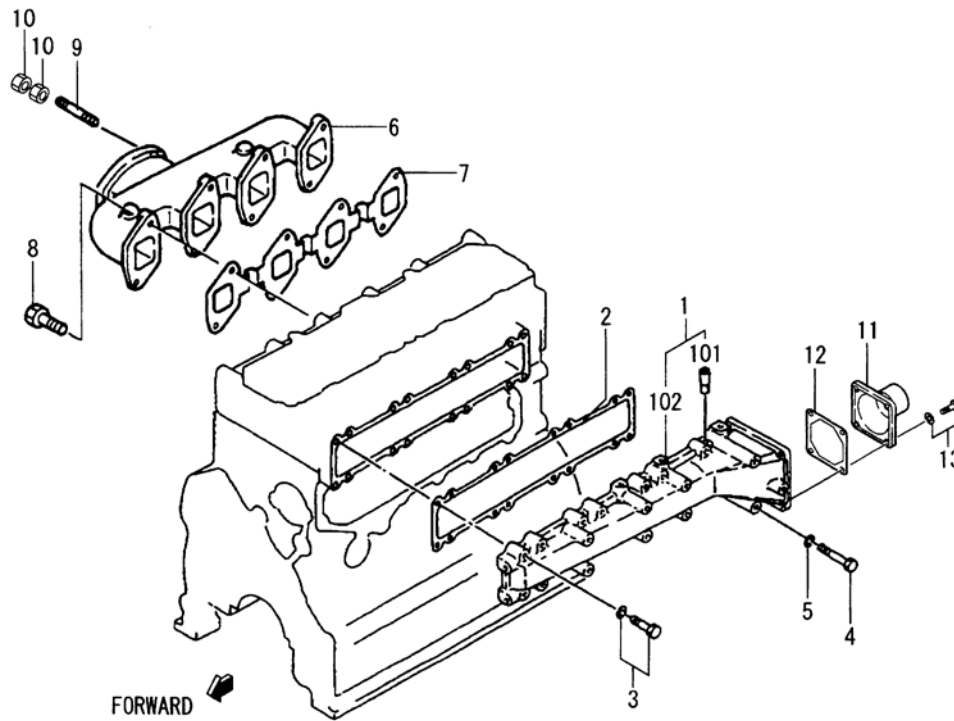


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Piston & Connecting Rod

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	36134344	Pin, Piston	4	
2	22852552	Ring, Snap	8	
3	22802748	Rod Assembly, Connecting	4	
301	22801831	Nut, Connecting Rod	8	
302	22802771	Bolt, Connecting Rod	8	
303	22851810	Bushing, Con-Rod	4	
304	NSS	Connecting Rod	4	
305	NSS	Cap, Connecting Rod	4	
4	22851828	Metal Set, Con-Rod	1	
5	22851836	Metal Set, Con-Rod	1	
6	22851844	Metal Set, Con-Rod	1	
7	22851851	Metal Set, Con-Rod	1	
8	22802730	Piston	4	
9	22851794	Piston	4	
10	22851802	Piston	4	
11	22851760	Ring Set, Piston	4	
1101	NSS	Ring, No. 1	4	
1102	NSS	Ring, No. 2	4	
1103	NSS	Ring, Oil	4	
12	22851778	Ring Set, Piston	4	
13	22851786	Ring Set, Piston	4	

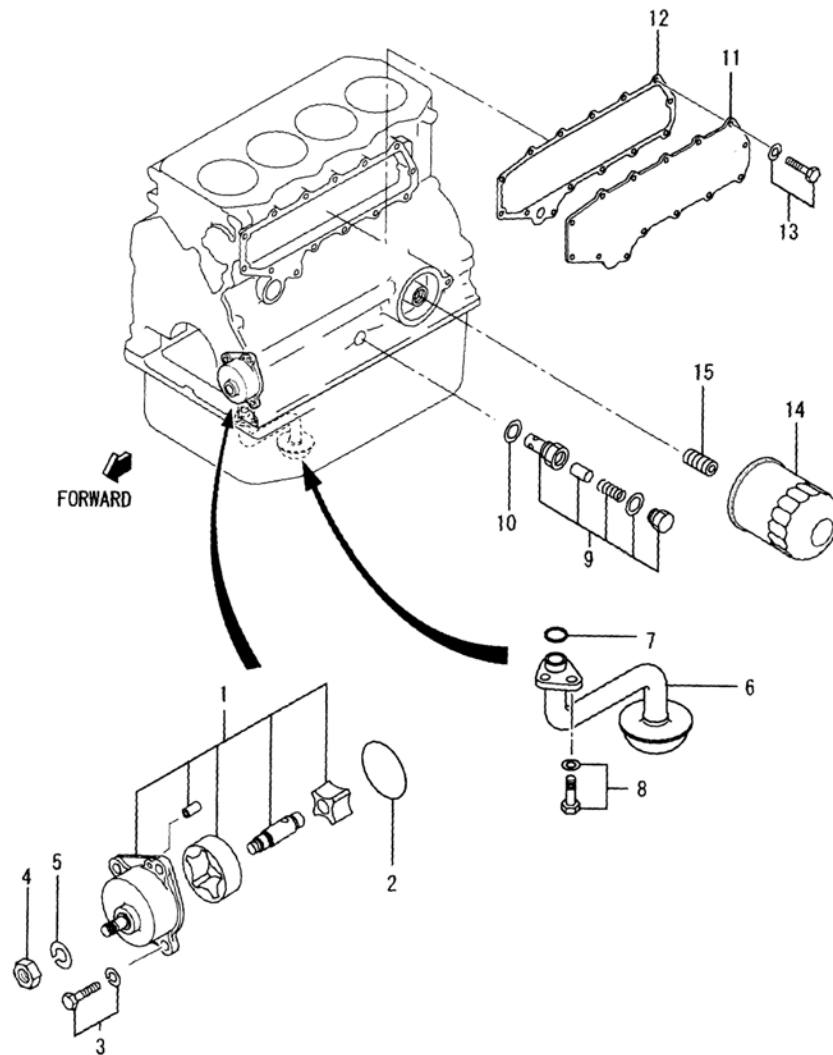
Inlet & Exhaust Manifold



22636807_018_03/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22802912	Manifold Assembly, Inlet	1	
101	NSS	Pipe	1	
102	NSS	Manifold, Inlet	1	
2	36135291	Gasket, Inlet	1	
3	22852321	Bolt, W/Washer	14	
4	22852230	Bolt	2	
5	36135721	Washer, Spring	2	
6	22802938	Manifold, Exhaust	1	
7	36135309	Gasket, Exhaust	1	
8	22844153	Bolt	8	
9	22848378	Stud	4	
10	22635072	Nut	8	
11	22802086	Pip, Air Inlet	1	
12	22801997	Gasket Air Heater	1	
13	22805030	Bolt, W/Washer	4	

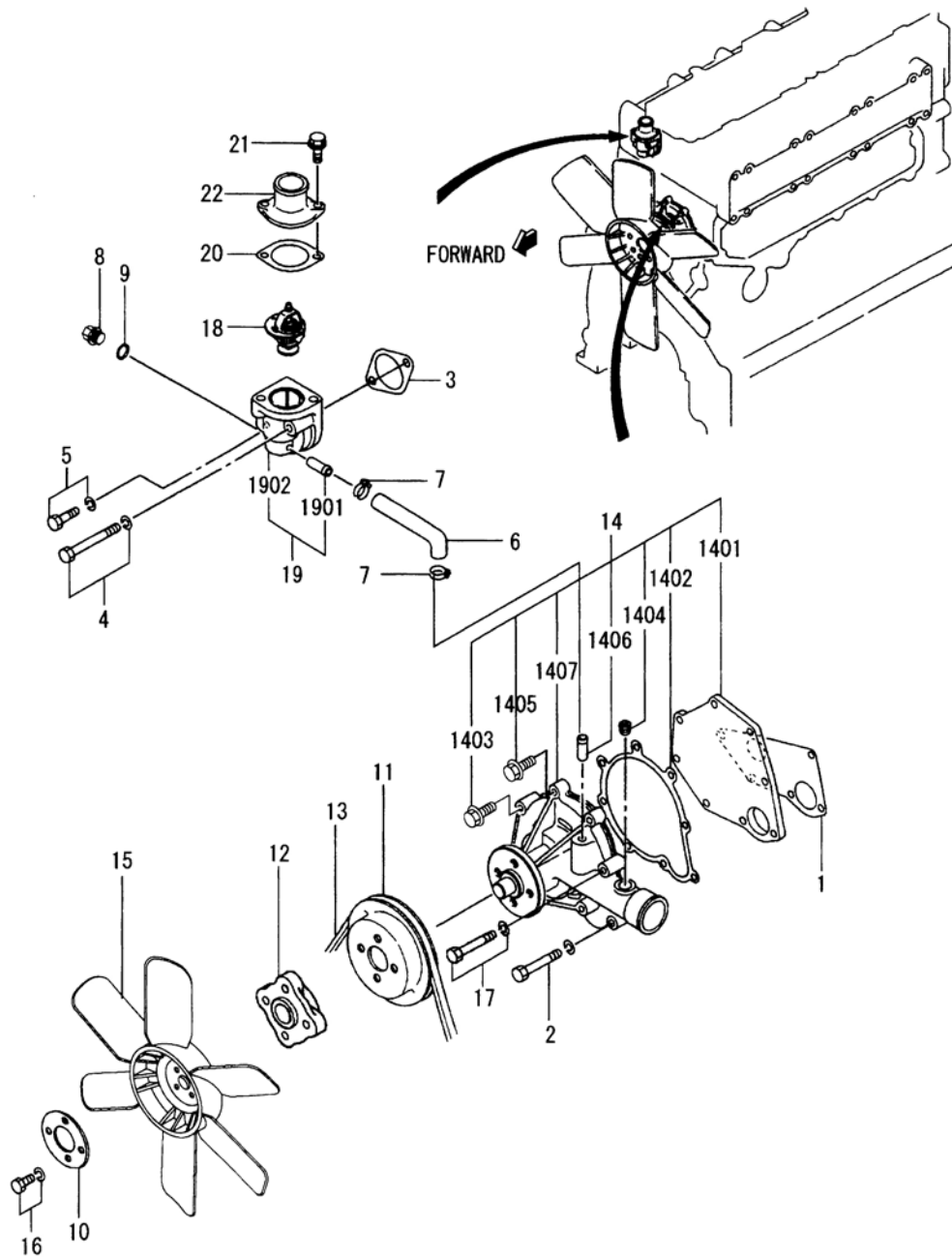
Oil System



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22802961	Pump Assembly, Oil	1	
2	22802946	O-Ring	1	
3	22804694	Bolt, W/Washer	4	
4	23048598	Nut, Jam	1	
5	22852982	Washer, Spring	1	
6	22802987	Strainer, Oil	1	
7	22852529	O-Ring	1	
8	22852289	Bolt, W/Washer	2	
9	22803027	Valve Assembly, Relief	1	
10	22802003	Gasket	1	
11	22803092	Cover, Side	1	
12	22803100	Gasket, Side Cover	1	
13	22852289	Bolt, W/Washer	14	
14	85426831	Filter, Oil	1	
15	85626463	Union, Oil Filter	1	

Cooling System

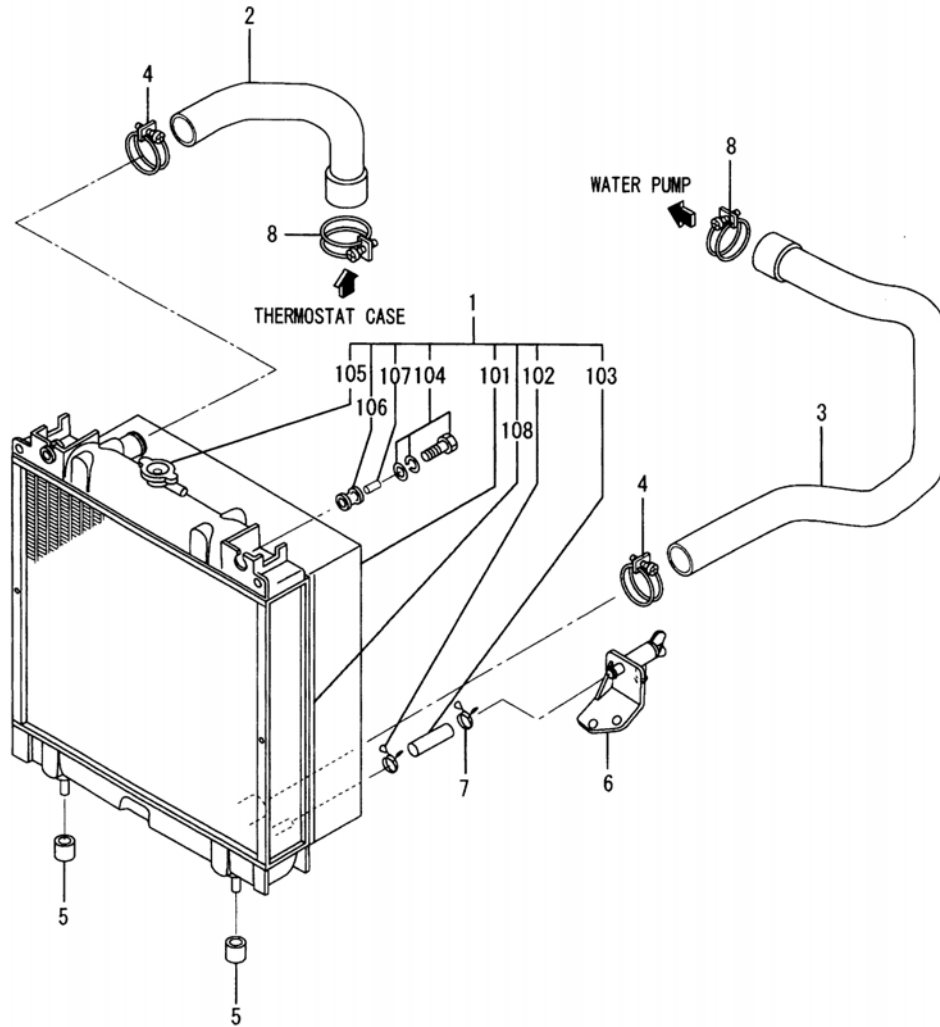


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Cooling System

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	85400489	Gasket, Water Pump	1	
2	22852339	Bolt, W/Washer	4	
3	22803233	Gasket	1	
4	22852388	Bolt, W/Washer	1	
5	22852339	Bolt, W/Washer	1	
6	22803266	Hose, By-pass	1	
7	22848295	Clamp, Hose	2	
8	22805295	Plug, Drain	1	
9	22801880	Gasket	1	
10	22801930	Plate	1	
11	22803175	Pulley, Water Pump	1	
12	22804579	Spacer, Fan	1	
13	22801716	Belt, Fan	1	
14	22712392	Pump Assembly, Water	1	
1401	22803126	Cover, Water Pump	1	
1402	36135143	Gasket, Pump Cover	1	
1403	22804983	Bolt, Flange	1	
1404	22803167	Plug, Tapered	1	
1405	22805287	Bolt, Flange	2	
1406	NSS	Pipe, Water Pump	1	
1407	NSS	Case, Water Pump	1	
15	22803381	Fan	1	
16	22805105	Bolt, W/Washer	4	
17	22805154	Bolt, W/Washer	1	
18	85400281	Thermostat	1	
19	22803241	Case Assembly, Thermostat	1	
1901	NSS	Pipe, Thermostat	1	
1902	NSS	Case, Thermostat	1	
20	22803225	Gasket, Thermostat	1	
21	22804975	Bolt, Flange	2	
22	36135283	Cover, Thermostat	1	

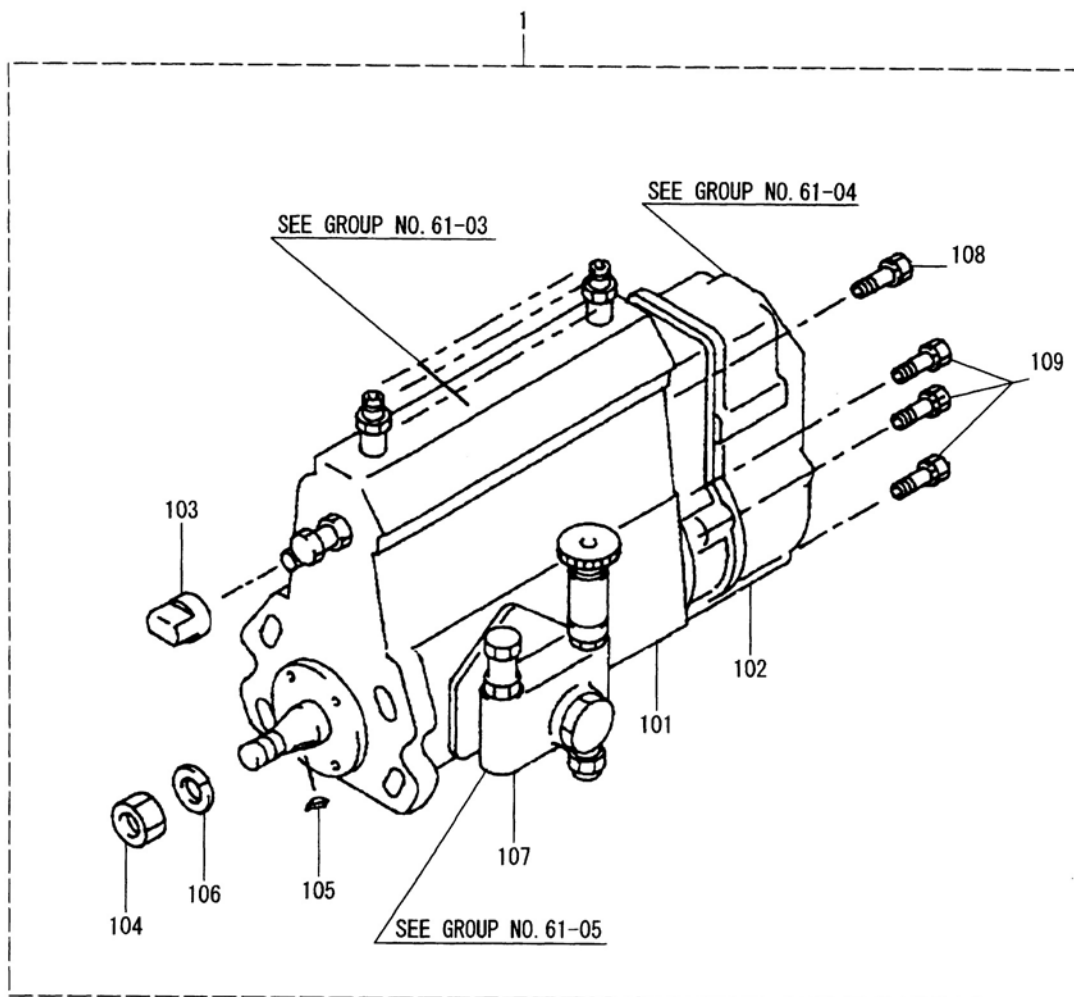
Radiator



22636807_022_03/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22803332	Radiator Assembly	1	
101	22686463	Shroud	1	
102	22802094	Clip, Hose	1	
103	22803373	Hose	1	
104	22804702	Bolt, W/Washer	4	
105	22712459	Cap, Pressure	1	
106	22803340	Cushion	2	
107	22803357	Collar	2	
108	22803365	Packing	2	
2	22803316	Hose, Radiator Top	1	
3	22803324	Hose, Radiator Bottom	1	
4	22623284	Clamp, Hose	2	
5	22635080	Cushion	2	
6	22802169	Cock Assembly	1	
7	22802094	Clip, Hose	1	
8	22623292	Clamp, Hose	2	

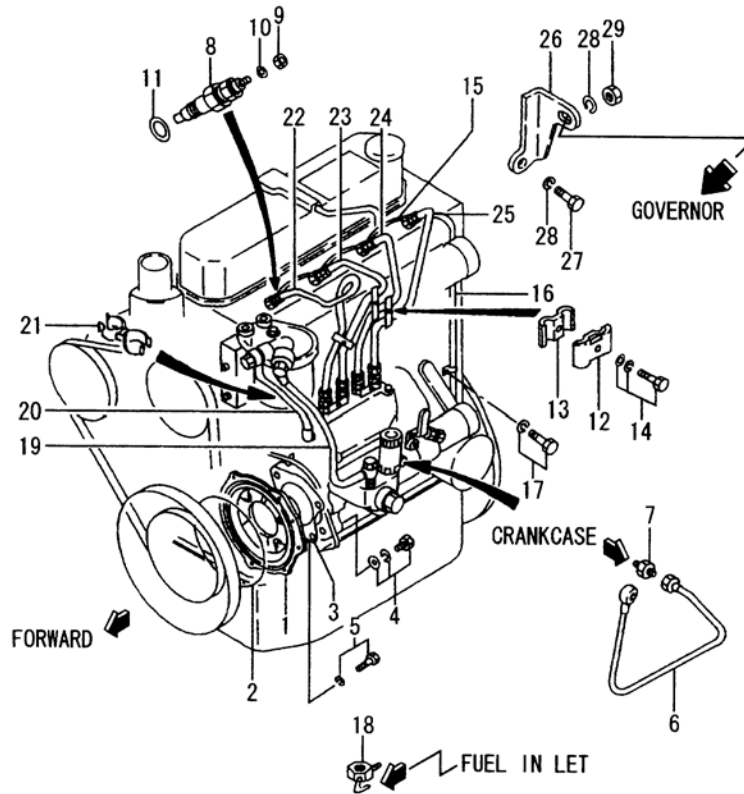
Fuel Injection Pump General



22636807_023_03/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	23048606	Pump Assembly, Injection	1	
101	NSS	Body Assembly, Injection	1	
102	NSS	Governor Assembly	1	
103	22848386	Cover, Control, Rack	1	
104	22852024	Nut, Hexagon	1	
105	22852115	Key, Woodruff	1	
106	22851604	Washer, Spring	1	
107	22851430	Pump Assembly, Feed	1	
108	22851539	Bolt, W/Washer	1	
109	22851521	Bolt, W/Washer	6	

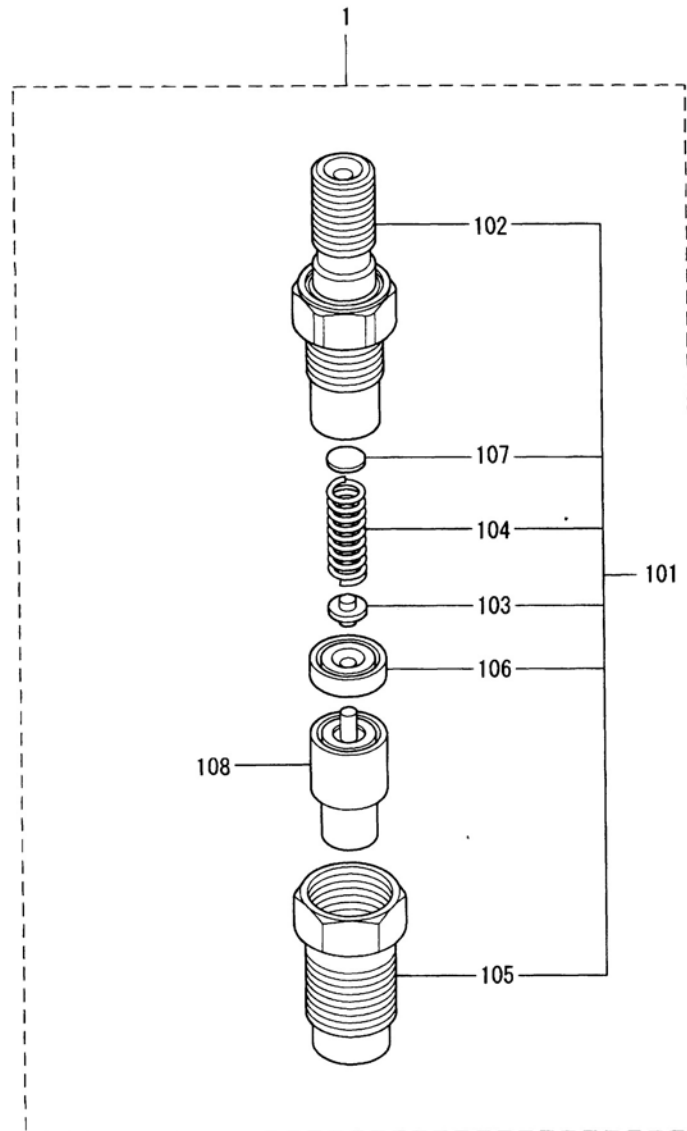
Fuel System



Fuel System

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22803407	Flange, Injection Pump	1	
2	22801724	O-Ring	1	
3	22801914	Gasket	1	
4	22804710	Bolt, W/Washer	4	
5	22804694	Bolt, W/Washer	3	
6	22803084	Pipe, Oil	3	
7	22804777	Connector	3	
8	85400463	Nozzle Assembly (Injector)	4	
9	22804827	Nut	4	
10	85400109	Gasket, Fuel Return	4	
11	85400117	Gasket, Holder	4	
12	22805311	Clamp (A)	3	
13	22805303	Clamp (B)	3	
14	22852446	Bolt, W/Washer	3	
15	22803431	Pipe, Fuel Leak Off	1	
16	22803415	Pipe, Fuel	1	
17	22852271	Bolt, W/Washer	1	
18	22801898	Joint, Eye	1	
19	22803456	Hose, Fuel	1	
20	22804959	Hose, Fuel Feed	1	
21	22803423	Clamp, Pipe	1	
22	22803589	Pipe, Injection No. 1	1	
23	22803605	Pipe, Injection No. 2	1	
24	22803613	Pipe, Injection No. 3	1	
25	22803621	Pipe, Injection No. 4	1	
26	22803399	Bracket, Injection Pump	1	
27	22802672	Bolt	1	
28	36135721	Washer, Spring	1	
29	22635072	Nut	1	

Nozzle

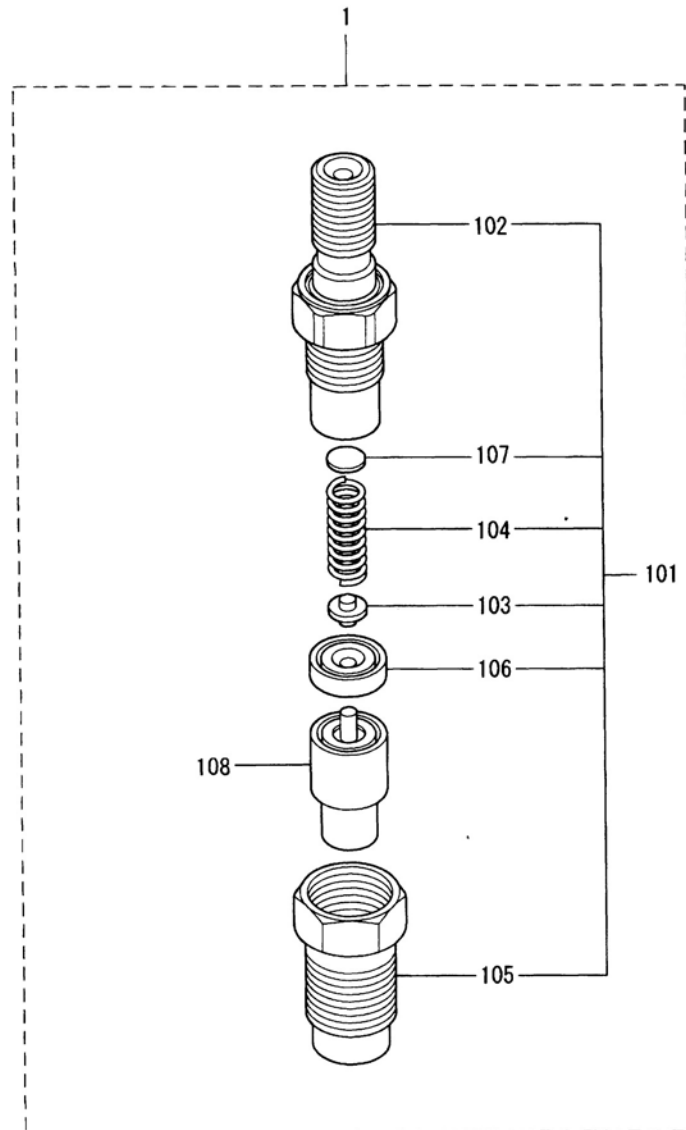


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Nozzle

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	85400463	Nozzle & Holder Assembly	4	
101	22804637	Holder Assembly Nozzle	4	
102	22849871	Body Sub Assembly	4	
103	22843627	Pin, Pressure	4	
104	22849889	Spring, Pressure	4	
105	22843643	Nut, Nozzle Retaining	4	
106	22843650	Piece, Distance	4	
107	22849897	Washer	AR	T=0.900
	22849905	Washer	AR	T=0.925
	22849913	Washer	AR	T=0.950
	22849921	Washer	AR	T=0.975
	22849939	Washer	AR	T=1.000
	22849947	Washer	AR	T=1.025
	22849954	Washer	AR	T=1.050
	22849962	Washer	AR	T=1.075
	22849970	Washer	AR	T=1.110
	22849988	Washer	AR	T=1.125
	22849996	Washer	AR	T=1.150
	22851174	Washer	AR	T=1.175
	22851182	Washer	AR	T=1.200
	22849590	Washer	AR	T=1.225
	22842520	Washer	AR	T=1.250
	22849608	Washer	AR	T=1.275
	22842538	Washer	AR	T=1.300
	22849616	Washer	AR	T=1.325
	22842546	Washer	AR	T=1.350
	22849624	Washer	AR	T=1.375
	22842553	Washer	AR	T=1.400
	22849632	Washer	AR	T=1.425
	22842561	Washer	AR	T=1.450
	22849640	Washer	AR	T=1.475
	22842579	Washer	AR	T=1.500
	22855001	Washer	AR	T=1.525
				<i>Continued.....</i>

Nozzle

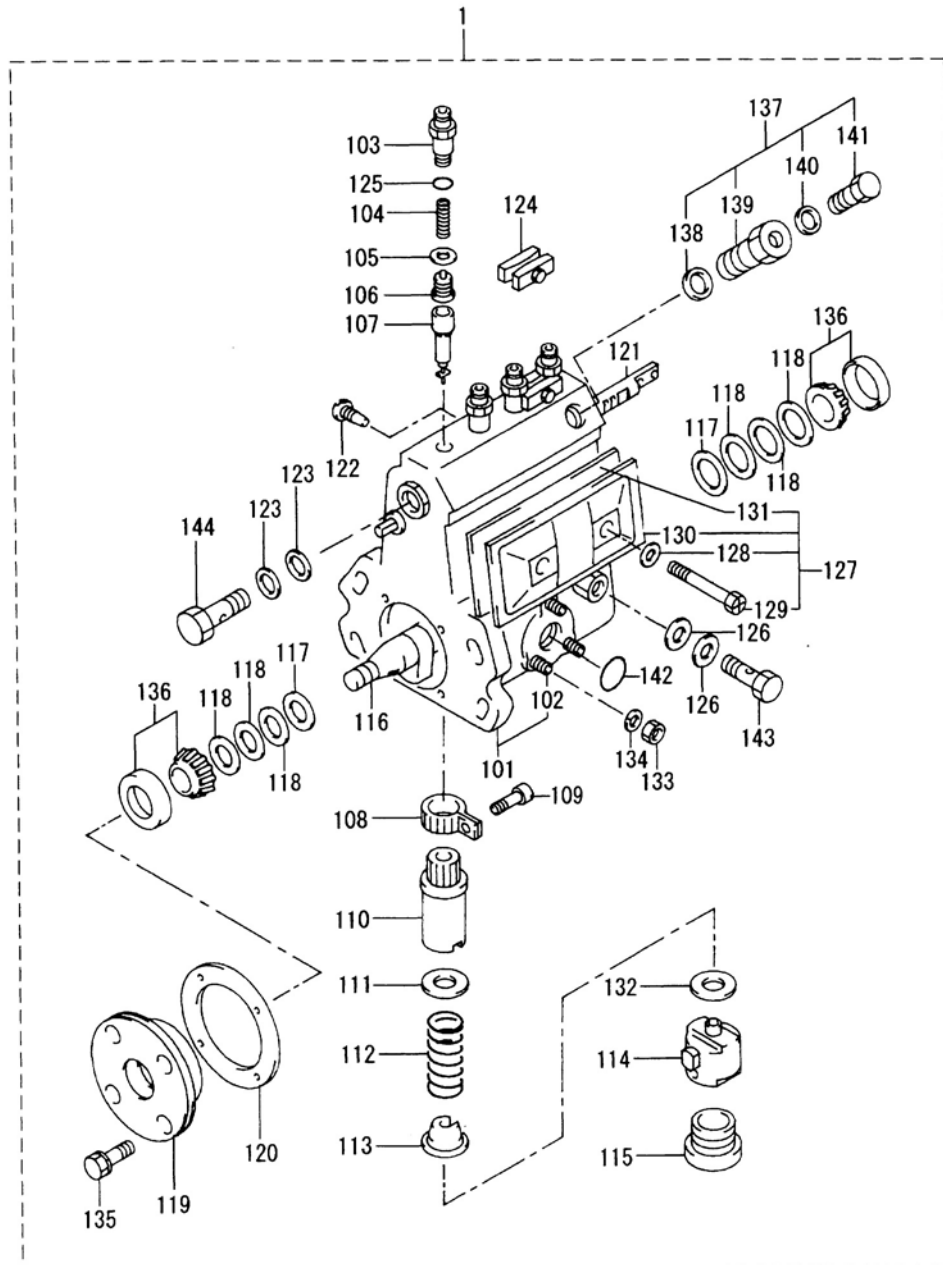


22636807_028_03/07_A

Nozzle

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
108	22842587	Washer	AR	 Continued T=1.550
	22849665	Washer	AR	T=1.575
	22842595	Washer	AR	T=1.600
	22849673	Washer	AR	T=1.625
	22842603	Washer	AR	T=1.650
	22849681	Washer	AR	T=1.675
	22842611	Washer	AR	T=1.700
	22849699	Washer	AR	T=1.725
	22849707	Washer	AR	T=1.750
	22849715	Washer	AR	T=1.775
	22849723	Washer	AR	T=1.800
	22849731	Washer	AR	T=1.825
	22849749	Washer	AR	T=1.850
	22849756	Washer	AR	T=1.875
	22849764	Washer	AR	T=1.900
	22849772	Washer	AR	T=1.925
	22849780	Washer	AR	T=1.950
	85502839	Tip Assembly Nozzle	4	

Injection Pump

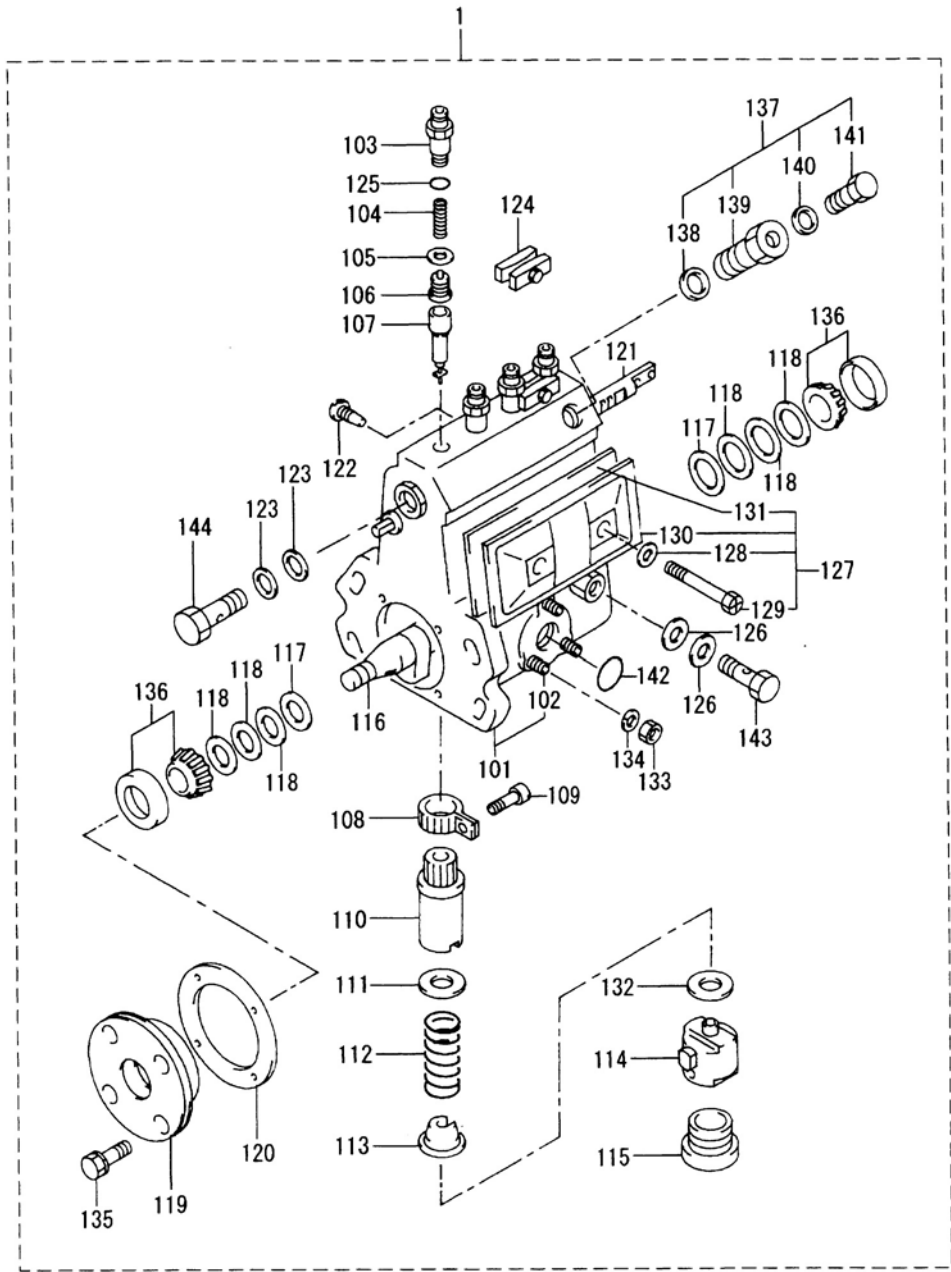


22636807_030_03/07_A

Injection Pump

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	NSS	Body Assembly, Injection	1	
101	22849798	Housing, Pump	1	
102	22851950	Bolt, Stud	3	
103	22848394	Holder, Delivery	4	
104	22848410	Spring, Delivery	4	
105	22848428	Gasket, Delivery	4	
106	22848436	Valve, Delivery	4	
107	22848451	Element, Pump	4	
108	22848469	Pinion, Control	4	
109	22848477	Screw, Pinion Clamp	4	
110	22848485	Sleeve, Control	4	
111	22848493	Seat, Upper Spring	4	
112	22848501	Spring, Plunger	4	
113	22848519	Seat, Lower Spring	4	
114	22842454	Tappet Sub Assembly	4	
115	22848527	Plug, Screw	4	
116	22848535	Camshaft	1	
117	22848543	Ring, Adjusting	2	
118	22848550	Shim	AR	T=0.10
	22848568	Shim	AR	T=0.12
	22848576	Shim	AR	T=0.14
	22848584	Shim	AR	T=0.16
	22848592	Shim	AR	T=0.18
	22848600	Shim	AR	T=0.50
	22848618	Shim	AR	T=0.30
	22848626	Shim	AR	T=1.00
	22848634	Shim	AR	T=1.50
	22848642	Shim	AR	T=2.00
	22848659	Shim	AR	T=0.03
119	22848667	Cover, Bearing	1	
120	22848675	Gasket, Bearing Cover	1	
121	22848683	Rack, Control	1	
122	22848691	Screw, Rack Guide	1	
123	22848709	Washer, Union	2	
124	22848725	Plate Set, Lock	2	
125	22852149	O-Ring	4	
				Continued.....

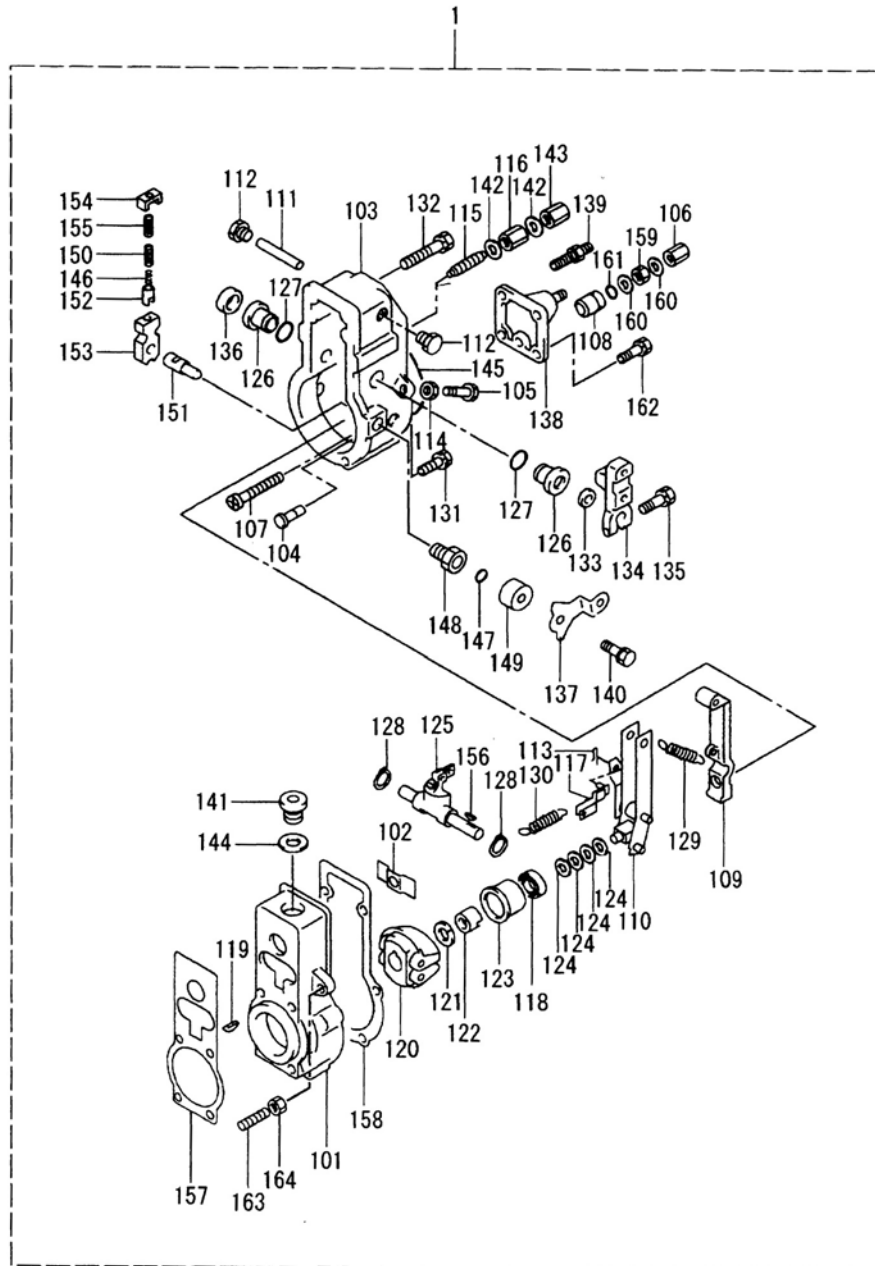
Injection Pump



Injection Pump

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
				 <i>Continued</i>
126	22848782	Washer, Drain Union	2	
127	22848790	Cover, Pump	1	
128	22848766	Packing	2	
129	22848824	Screw, Hexagon	2	
130	22848816	Cover, Plate	1	
131	22848808	Gasket, Cover Plate	1	
132	22848832	Plate, Tappet Shim	AR	T=0.60
	22848865	Plate, Tappet Shim	AR	T=0.70
	22848873	Plate, Tappet Shim	AR	T=0.80
	22848881	Plate, Tappet Shim	AR	T=0.90
	22848899	Plate, Tappet Shim	AR	T=1.00
	22848907	Plate, Tappet Shim	AR	T=1.10
	22848915	Plate, Tappet Shim	AR	T=1.20
	22848923	Plate, Tappet Shim	AR	T=1.30
132	22848931	Plate, Tappet Shim	AR	T=1.40
	22848949	Plate, Tappet Shim	AR	T=0.10
	22848956	Plate, Tappet Shim	AR	T=0.20
	22848964	Plate, Tappet Shim	AR	T=0.30
	22848972	Plate, Tappet Shim	AR	T=0.40
	22848980	Plate, Tappet Shim	AR	T=0.50
	22848998	Plate, Tappet Shim	AR	T=0.15
	22849004	Plate, Tappet Shim	AR	T=0.13
133	22851463	Nut, Hexagon	3	
134	22851489	Washer, Spring	3	
135	22851984	Bolt, W/Washer	4	
136	22852081	Bearing, Roller	2	
137	22848741	Bleeder, Air	1	
138	23048549	Washer, Nipple	1	
139	22848758	Nipple, Air Bleeder	1	
140	22848766	Packing	1	
141	22848774	Screw, Air Bleeder	1	
142	22852131	O-Ring	1	
143	22852206	Screw, Hollow	1	
144	22852214	Screw, Hollow	1	

Governor

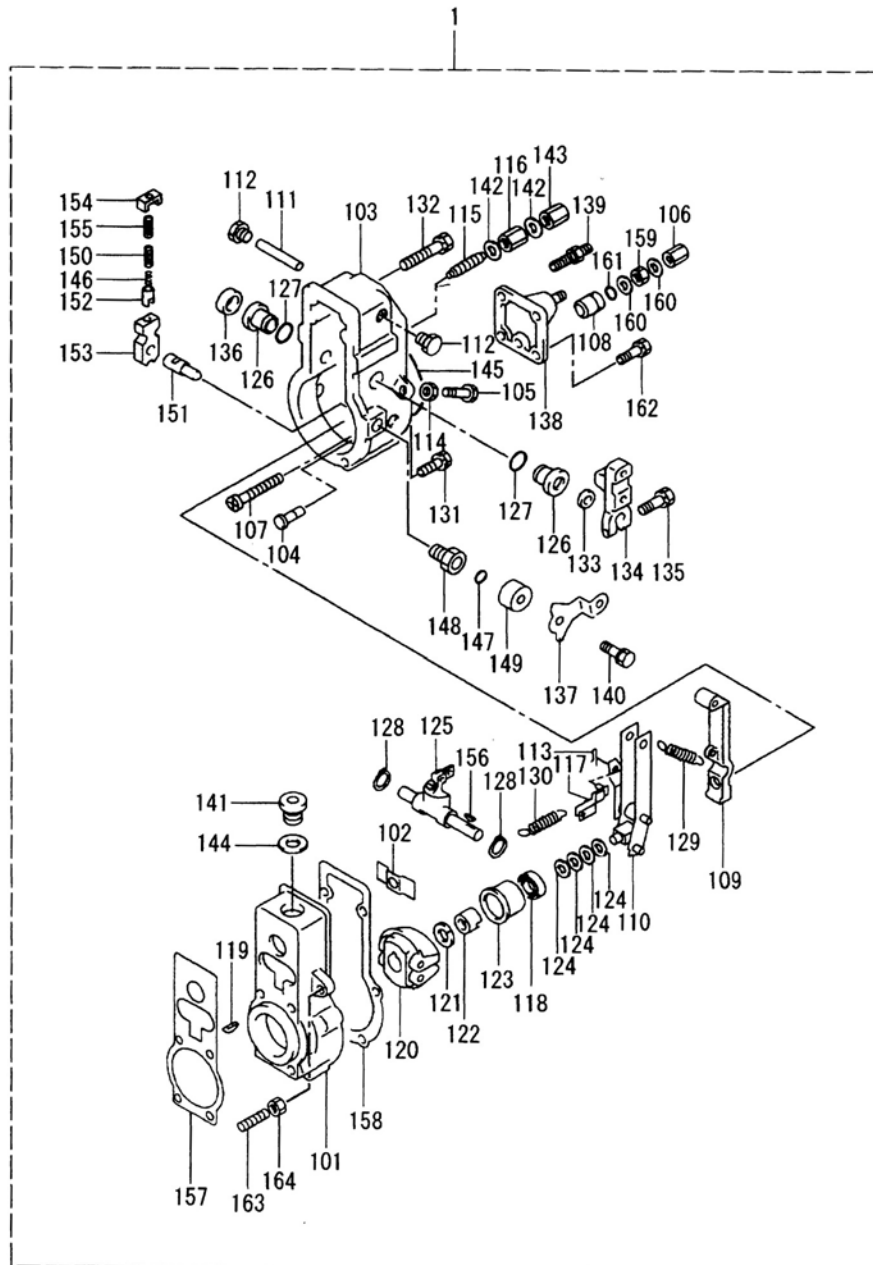


22636807_034_03/07_A

Governor

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	NSS	Governor Assembly	1	
101	22849038	Housing, Governor	1	
102	22849095	Plate	1	
103	22849236	Cover, Governor	1	
104	22849244	Pin, Stop	1	
105	22849269	Screw, Adjusting	1	
106	22849293	Nut, Cap	1	
107	22849228	Screw, Adjusting	1	
108	22849152	Bushing	1	
109	22849129	Lever, Tension	1	
110	22849145	Lever Assembly, Control	1	
111	22849178	Shaft, Lever Support	1	
112	22849186	Plug, Screw	2	
113	22851497	Pin, Split	1	
114	22851547	Nut	1	
115	22849012	Capsule	1	
116	22849137	Nut, Adapter Lock	1	
117	22849160	Shackle	1	
118	22852073	Bearing, Ball	1	
119	22852107	Key, Woodruff	1	
120	22849061	Flyweight Assembly	1	
121	22851604	Washer, Spring	1	
122	22849079	Nut, Round	1	
123	22849087	Sleeve, Governor	1	
124	22851554	Washer, Plate	AR	T=0.2
	22851562	Washer, Plate	AR	T=0.3
	22851570	Washer, Plate	AR	T=0.4
	22851588	Washer, Plate	AR	T=0.1
	22851596	Washer, Plate	AR	T=1.0
125	22849103	Lever, Swiveling	1	
126	22849111	Bushing, Lever	2	
127	22851513	O-ring	2	
128	22852057	Washer, Snap	2	
129	22849202	Spring, Control	1	
130	22849210	Spring, Start	1	
				<i>Continued.....</i>

Governor



22636807_036_03/07_A

Governor

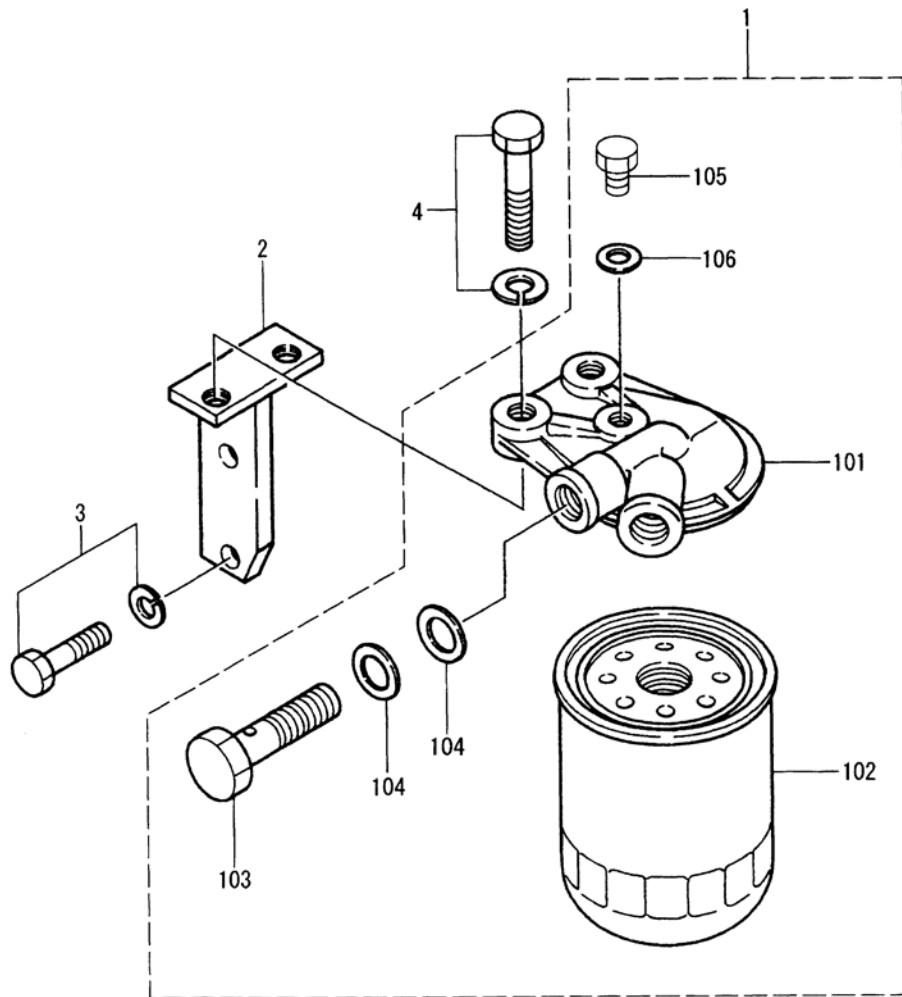
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
131	22852008	Bolt, W/Washer	4	Continued
132	22851992	Bolt, W/Washer	2	
133	22852156	Seal, Oil	1	
134	22849392	Lever, Adjusting	1	
135	22851976	Bolt, W/Washer	1	
136	22849418	Cap, Lever	1	
137	22849400	Lever, Stop	1	
138	22849384	Plate, Cover	1	
139	22851968	Bolt, Stud	2	
140	22851521	Bolt, W/Washer	1	
141	22849426	Plug, Screw	1	
142	23048549	Washer, Nipple	2	
143	22849285	Nut, Cap	1	
144	22851620	Washer, Copper Plate	1	
145	22852040	Packing	1	
146	22849350	Spring, Pressure	1	
147	22852123	O-Ring	1	
148	22849251	Bushing, Bearing	1	
149	22849376	Cover, Spring	1	
150	22849368	Spring, Pressure	1	
151	22849327	Shaft, Governor	1	
152	22849335	Cup, Spring	1	
153	22849319	Lever, Support	1	
154	22849301	Plate, Cap	1	
155	22849343	Spring, Pressure	1	
156	22852099	Key, Woodruff	1	
157	22849053	Gasket	1	
158	22849046	Gasket	1	
159	22852032	Nut, Hexagon	1	
160	22843692	Washer, Pipe Union	2	
161	22851505	O-Ring	1	
162	22852016	Bolt, W/washer	2	
163	23048630	Screw, Adjusting	1	
164	22851547	Nut, Hexagon	1	

Feed Pump

Drawing Not Shown

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22851430	Pump Assembly, Feed	1	

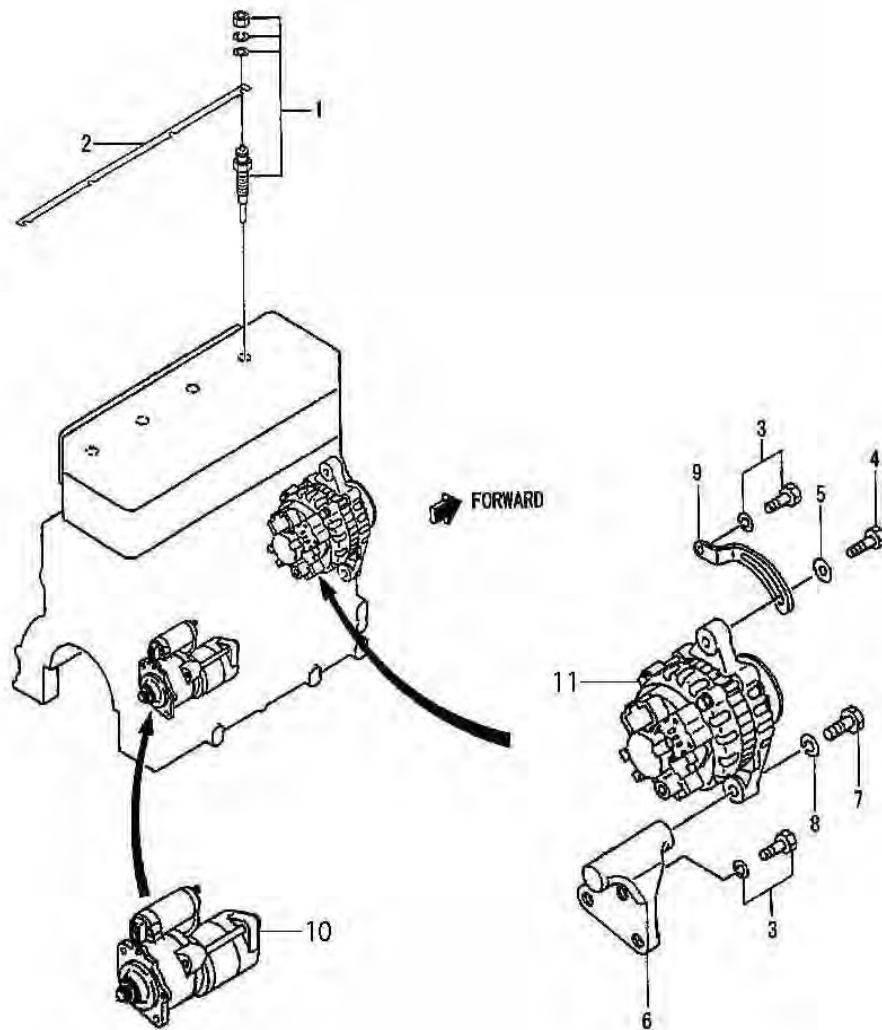
Fuel Filter



22636807_040_03/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	85508380	Filter Assembly, Fuel	1	
101	22851448	Bracket, Fuel Filter	1	
102	85426823	Filter, Fuel	1	
103	22852859	Bolt, Eye	2	
104	22848345	Washer, Sealing	4	
105	22852842	Plug, Air	1	
106	22848311	Washer, Sealing	1	
2	22803464	Bracket, Fuel Filter	1	
3	22804694	Bolt, W/Washer	2	
4	22852412	Bolt, W/Washer	2	

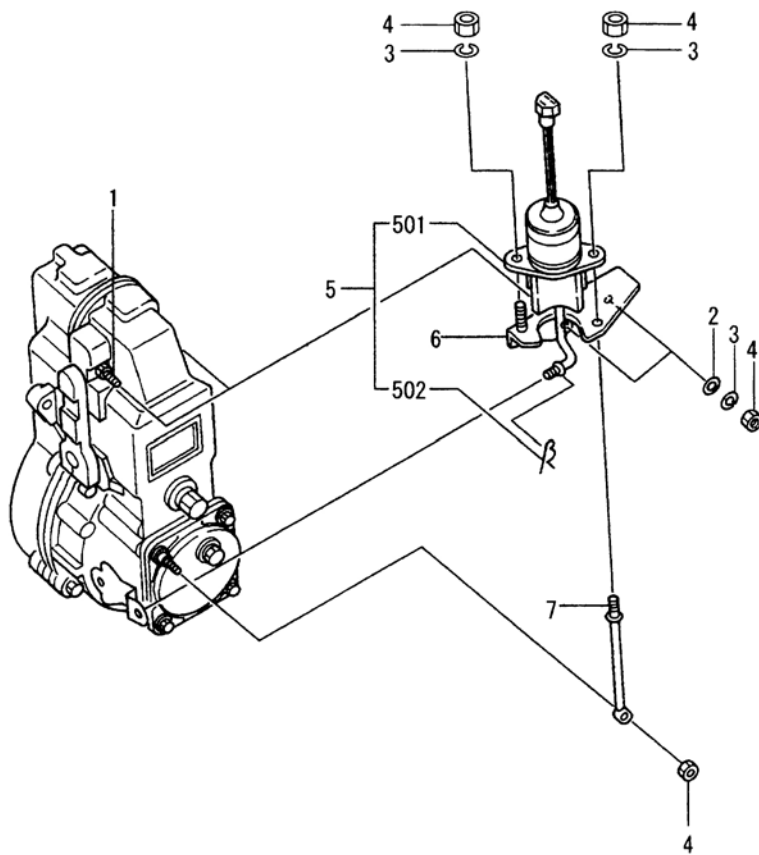
Alternator Assembly



22636807_041_03/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	85400612	Plug, Glow	4	
2	22803480	Plate, Connection	1	
3	22804694	Bolt, Washer Assembly	2	
4	22804967	Bolt, Flange	1	
5	22804801	Washer	1	
6	22803498	Bracket, Alternator	1	
7	22852248	Bolt	1	
8	22852982	Washer, Spring	1	
9	22803506	Plate, Adjusting	1	
10	85621548	Starter	1	
11	85621530	Alternator, Charging	1	

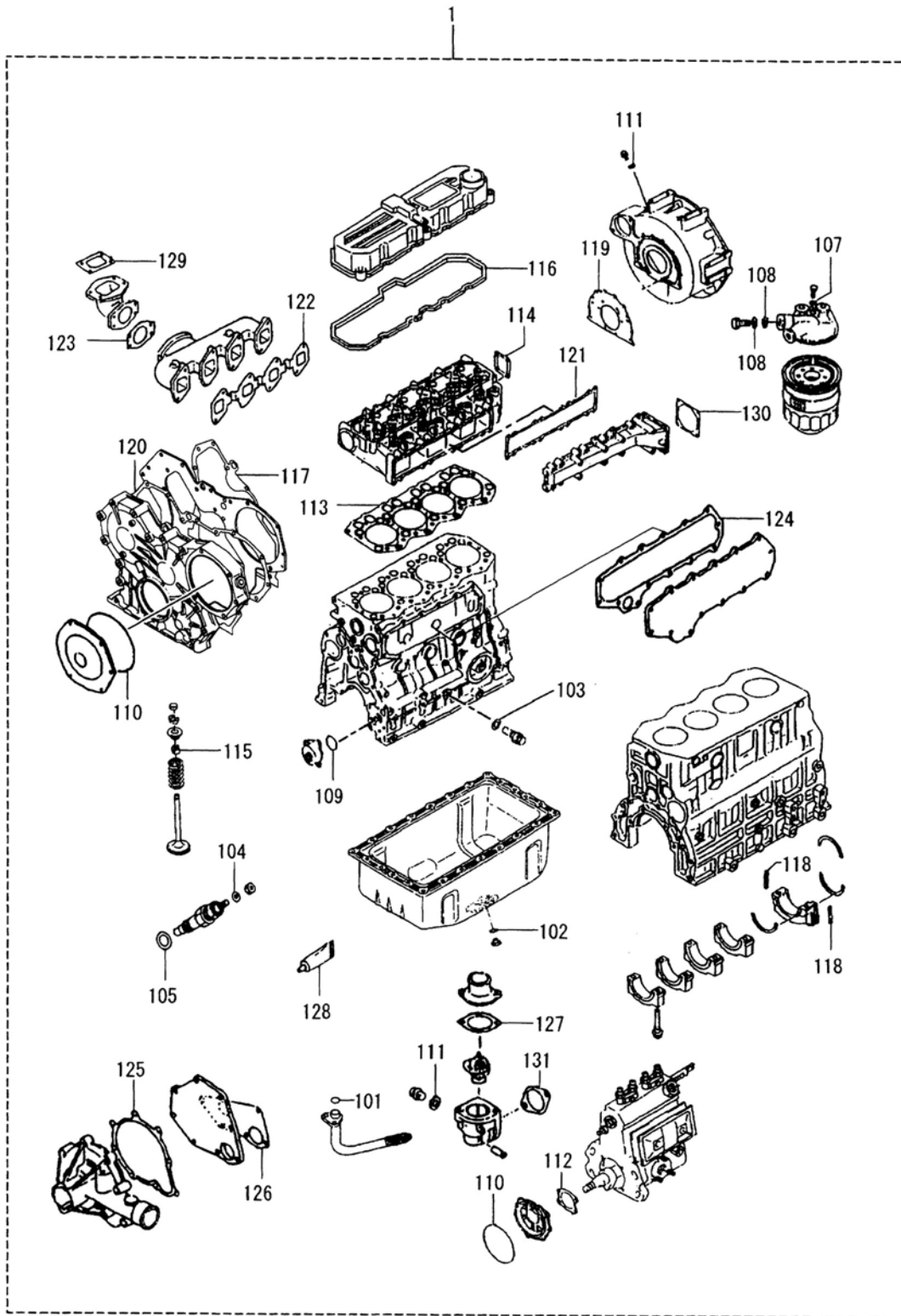
Control System



22636807_044_03/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22801971	Rod, Solenoid	2	
2	22804736	Washer, Plain	2	
3	22852974	Washer, Spring	4	
4	22852461	Nut, Lock	5	
5	22803555	Solenoid Assembly	1	
501	22803548	Solenoid (12V)	1	
502	22803530	Clip	1	
6	22803514	Bracket	1	
7	22803522	Rod, Support	1	

Overhaul Gasket Kit



22636807_046_03/07_A

Accessory

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22851919	Gasket Kit, (O/H)	1	
101	22852529	O-Ring	3	
102	85625689	Gasket, Oil Pan	1	
103	22802003	Gasket	1	
104	85400109	Gasket, Fuel Return	4	
105	85400117	Gasket, Holder	4	
107	22848311	Washer, Sealing	1	
108	22848345	Washer, Sealing	10	
109	22802946	O-Ring	1	
110	22801724	O-Ring	2	
111	22801880	Gasket	2	
112	22801914	Gasket, Injection Pump	1	
113	85060812	Gasket, Cylinder Head	1	
114	36134336	Gasket, Head Rear	1	
115	22802292	Seal, Valve Stem	8	
116	85400174	Gasket, Rocker Cover	1	
117	22802524	Gasket, Front Plate	1	
118	22802540	Seal, Side	2	
119	36135887	Gasket, Rear	1	
120	22802607	Gasket, Gear Case	1	
121	36135291	Gasket, Inlet Manifold	1	
122	36135309	Gasket, Exhaust Manifold	1	
123	22635056	Gasket, Exhaust	1	
124	22803100	Gasket, Side Cover	1	
125	36135143	Gasket, Pump Cover	1	
126	85400489	Gasket, Water Pump	1	
127	22803225	Gasket, Thermostat	1	
128	22843999	Gasket, Liquid	1	
129	22851406	Gasket, Exhaust	1	
130	22801997	Gasket, Air Heater	1	
131	22802045	Gasket	1	
132	22852537	O-ring	2	
133	22852560	Gasket	4	
134	22852578	GasketSeal, Valve Stem	2	
135	22852586	Gasket	2	
136	22852867	Gasket, Nozzle	4	
137	23048648	O-Ring	1	
138	22842322	O-Ring	1	
139	22848303	Washer, Sealing	8	
140	22848329	Washer, Sealing	2	
141	22848337	Washer, Sealing	2	
142	22848352	O-Ring	1	
143	22851885	Gasket	1	
144	22851893	Gasket	1	
145	22851901	Gasket, Water Heater	1	
146	22851414	Gasket, Oil Pipe	1	

Accessory



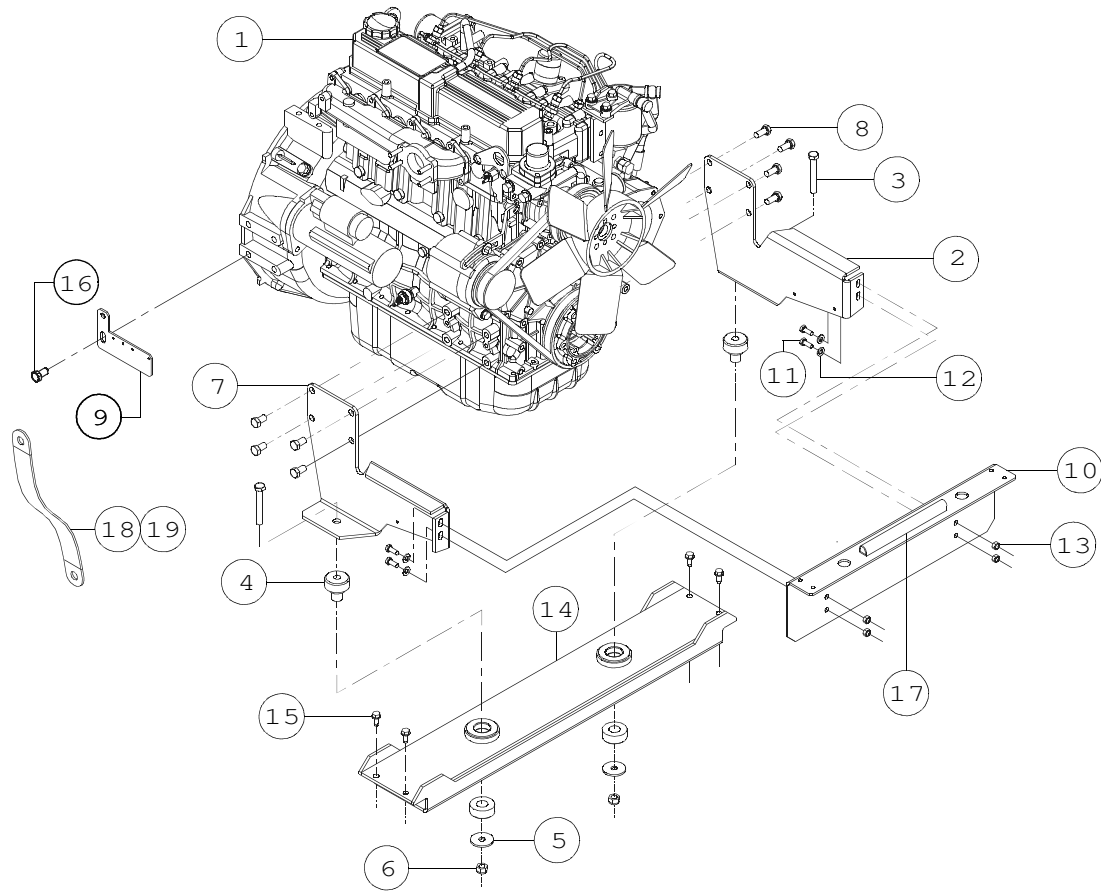
22636807_045_03/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22635056	Gasket, Exhaust	1	
2	22635072	Nut, Lock	8	



Parts List

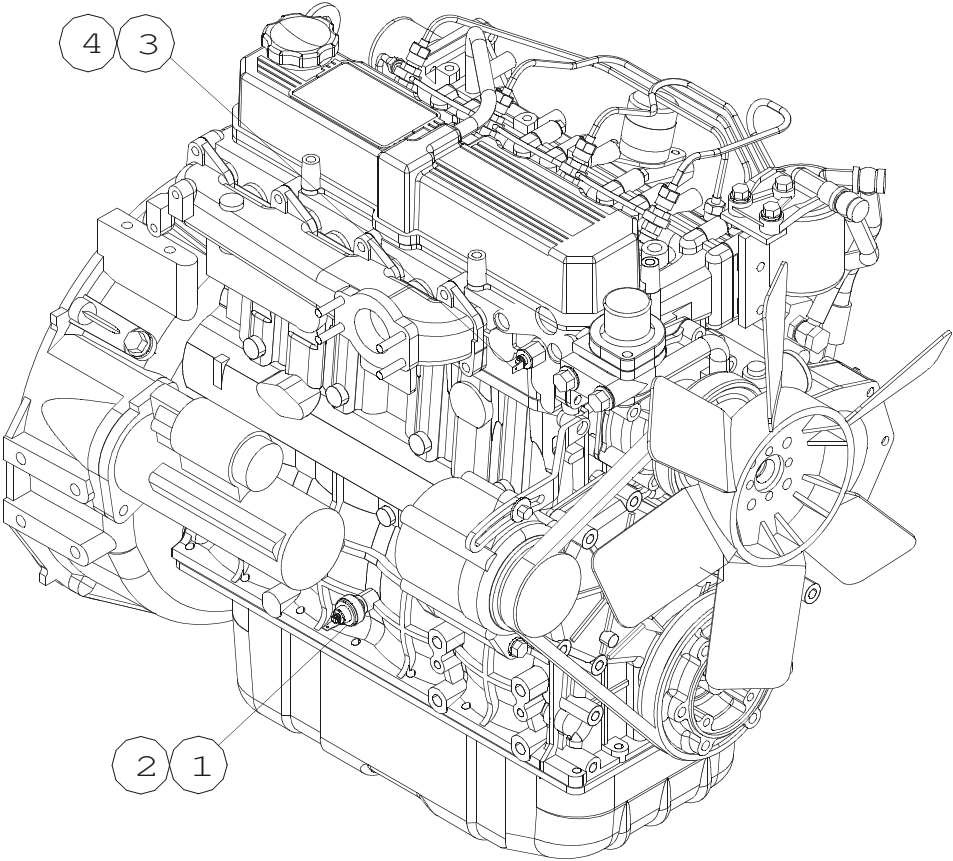
Engine and Engine Mounting



22957138_056_03/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22755151	Engine	1	
2	22516959	Engine Mounting Bracket, LH	1	
3	96740782	Screw, Hex	2	M12 - 1.75 X 80
4	54439062	Isolator	2	
5	54429295	Washer, Snubbing	2	
6	35304047	Nut, Nylon	2	M12 X 1.75
7	22516942	Engine Mounting Bracket, RH	1	
8	96719869	Screw, Hex	8	M12 - 1.75 X 20
9	22611610	Plate, Relay Mounting	1	
10	22600589	Radiator, Bracket Support	1	
11	96702824	Screw, Hex	4	M8 - 1.25 X 20
12	95934998	Washer	4	
13	96735543	Nut, Hex	4	M8
14	22516967	Support, Engine	1	
15	35279025	Screw, Tapping	4	M8 - 1.25 X 20
16	92368687	Screw	2	
17	22617674	Seal, Rubber Strip	1	0.8'
18	36783488	Strap, Ground	1	
19	36719869	Screw, Hex	2	M12 - 1.75 X 20

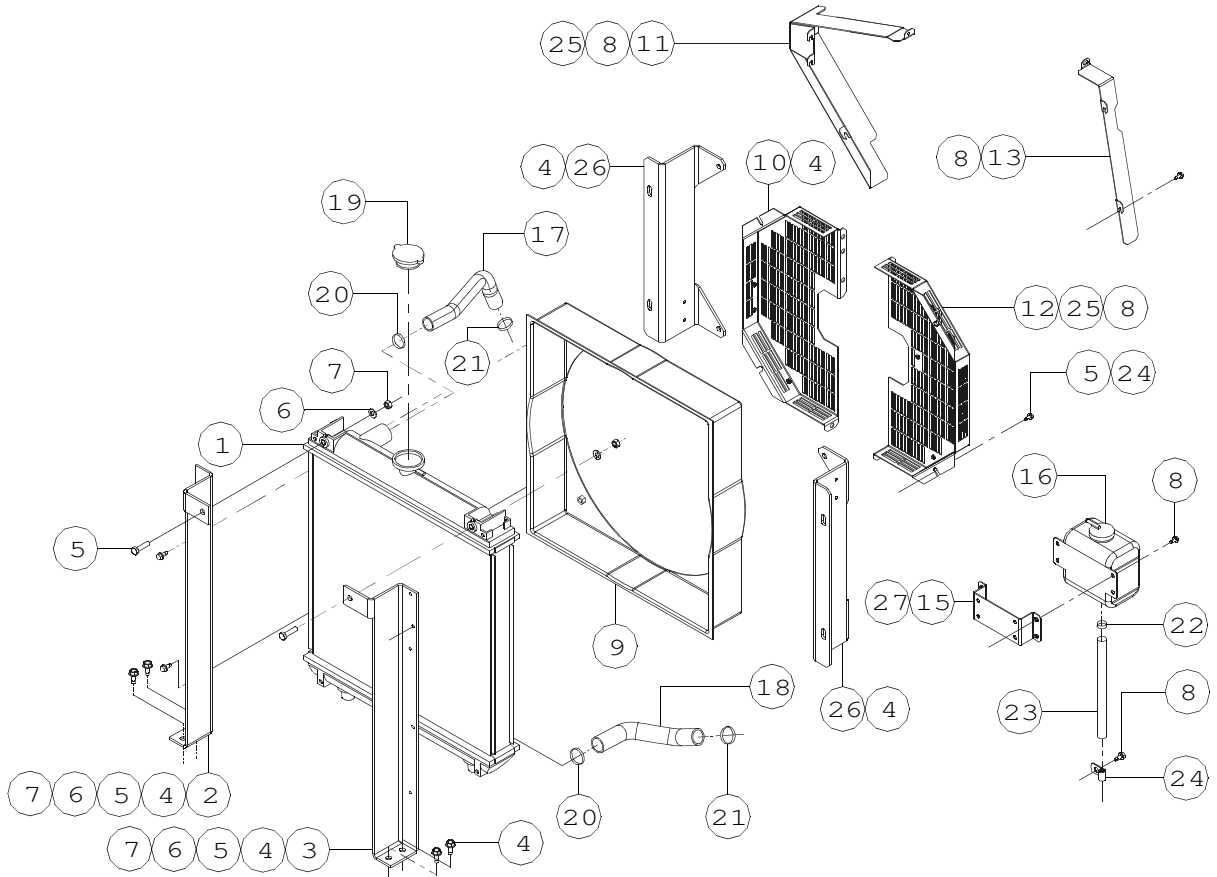
Engine Spare Parts



22957138_057_03/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	54757935	Oil Pressure Switch	1	
2	96746334	Adapter	1	
3	22554224	Water Temperature Switch	1	
4	22741714	Washer, Sealing	1	
5	22714703	Wiring Harness, Engine (Not Shown)	1	

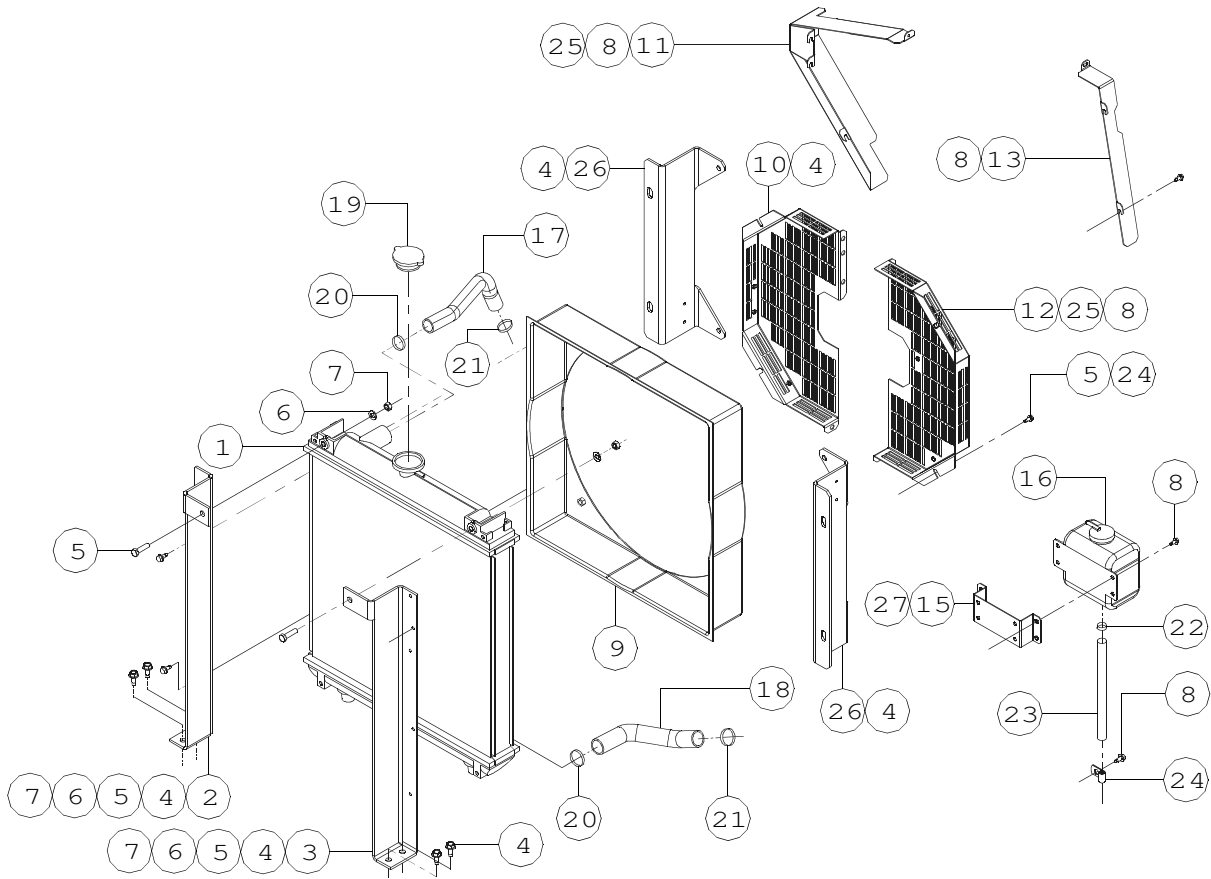
Cooling System Parts



22957138_058_03/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22803332	Radiator	1	
2	22578694	Support, Cooler Right	1	
3	22578702	Support, Cooler Left	1	
4	22959936	Screw, Tapping	4	M8 - 1.25 X 20
5	35271162	Screw, Hex	2	M8 - 1.25 X 30
6	95934998	Washer	2	
7	96735543	Nut, Hex	2	M8
8	92368687	Screw, Tapping	19	M6 - 1.0 X 14
9	22686463	Shroud Radiator	1	
10	22678890	Fan Guard, Right	1	
11	22678916	Belt Guard, Right	1	
12	22678908	Fan Guard, Left	1	
13	22678924	Belt Guard, Left	1	
14	35253038	Clamp, Hose (Not Shown)	3	.38 ID
15	22624977	Bracket, Coolant Bottle	1	
16	36884948	Bottle, Coolant Heater	1	
17	22803316	Hose, Radiator Top	1	
18	22803324	Hose, Radiator Bottom	1	
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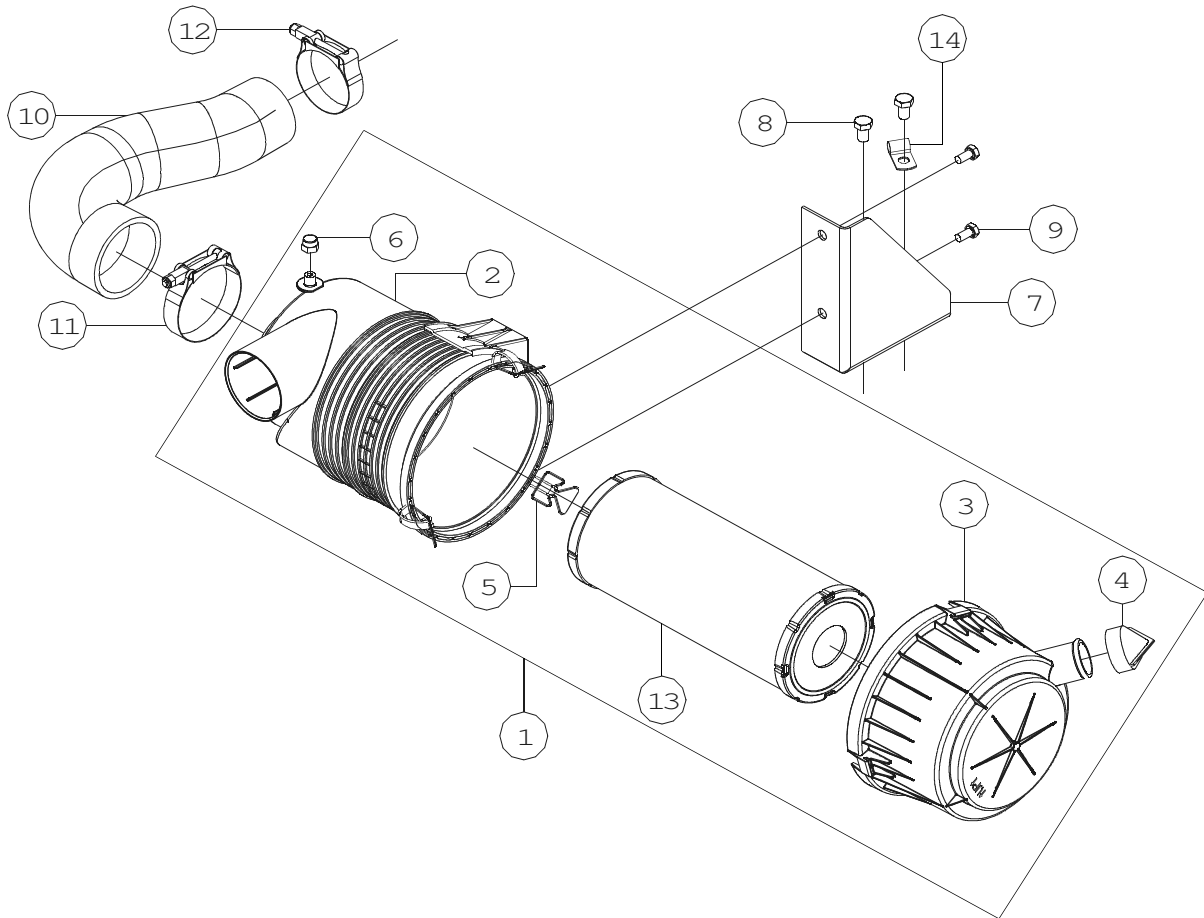
Cooling System Parts



22957138_058_03/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
19	22712459	Radiator Cap	1	<i>.....Continued</i> 30" M6 - 1.0 M6 -0 1.0 X 12
20	22623284	Clamp, Hose	2	
21	22623292	Clamp, Hose	2	
22	35296342	Clamp, Hose	2	
23	35363498	Hose, Overflow	1	
24	35253038	Support, Clamp	3	
25	36921344	Nutsert, Hex	5	
26	23050883	Support, Fan Shroud	2	
27	36797652	Screw, Tapping	2	

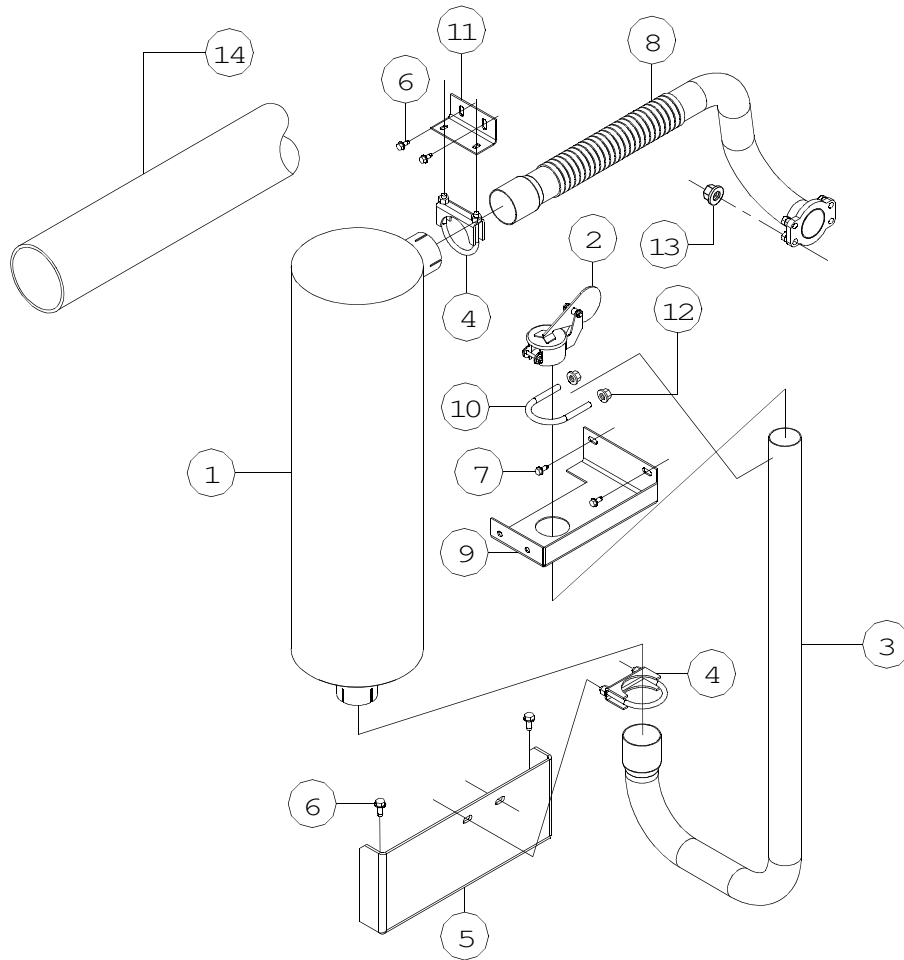
Engine Air Intake



22957138_060_06/08_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	36897999	Air Cleaner Assembly	1	
2	35393701	Body, Air Cleaner	1	
3	35393693	Cover, Air Cleaner	1	
4	35393677	Valve, Dust Ejector	1	
5	35393669	Clip, Retaining	3	
6	35393719	Cap, Plug	1	
7	17783465	Bracket, Air Filter	1	
8	96702279	Screw, Hex	2	M10 - 1.50 X 16
9	36889608	Screw, Hex	2	M8 X 16
10	22618383	Hose, Air Intake	1	3 X 2.375
11	35374073	Clamp, T-Bolt	1	3.62 NOM
12	35330703	Clamp, T-Bolt	1	3.00 NOM
13	35393685	Element, Air Filter	1	
14	35253038	Clamp, Hose	1	

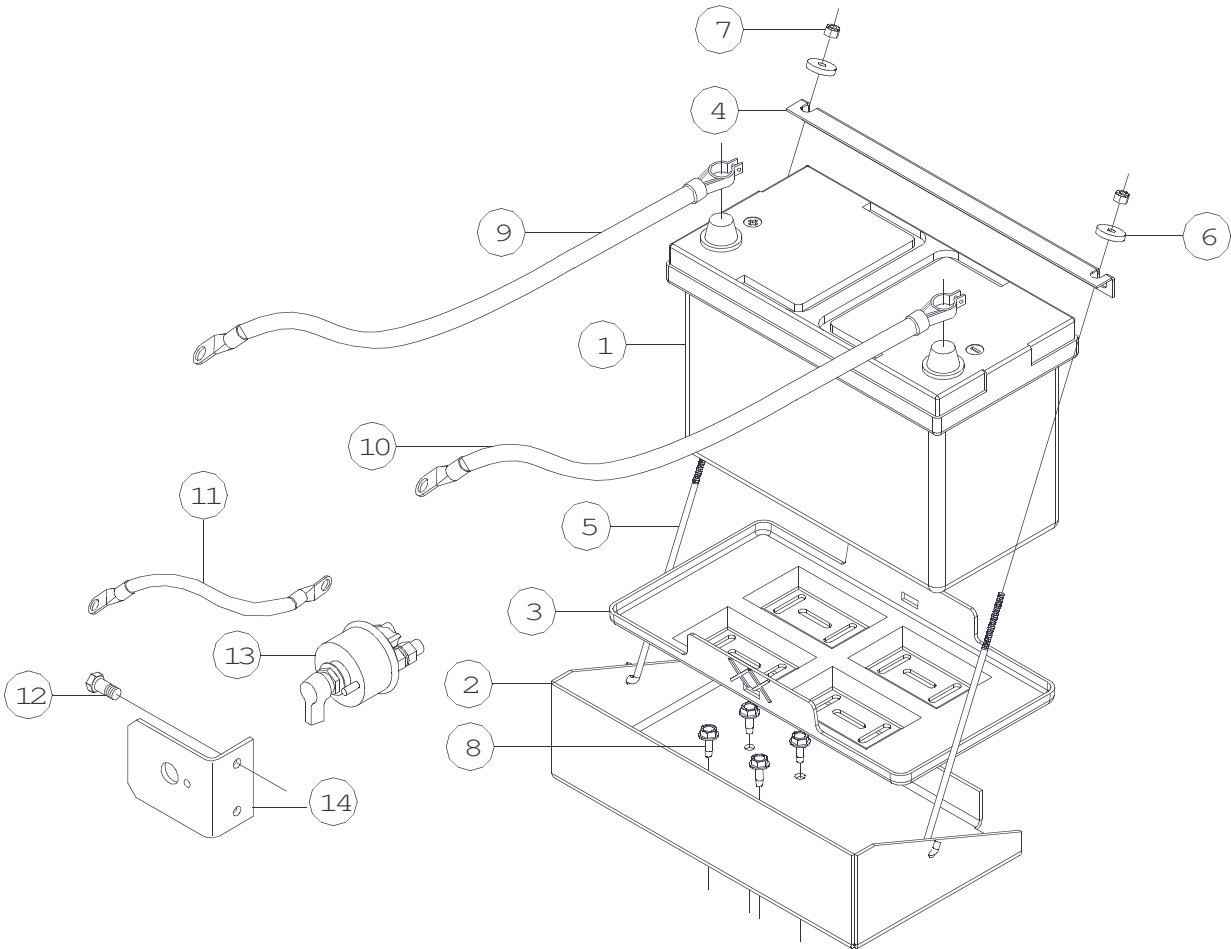
Exhaust Assembly



22957138_061_06/08_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22597595	Muffler, Exhaust	1	
2	23146905	Cap, Rain	1	
3	22896633	Tube, Exhaust	1	
4	35209048	Clamp Saddle	2	
5	22737365	Bracket, Muffler Mounting	1	
6	92368687	Screw, Hex	4	M10 - 1.50 X 20
7	35279025	Screw, Tapping	2	M8 - 1.25 X 20
8	22526404	Tube, Exhaust	1	
9	22872451	Bracket, Muffler Pipe	1	
10	36506756	U-Bolt, Round Bend	1	5/16" - 18 X 2"
11	22737704	Bracket, Muffler Support	1	
12	95922894	Nut	2	3/8" - 16
13	96735543	Nut	8	M8 - 1.25
14	22998348	Wrap, Exhaust	1	

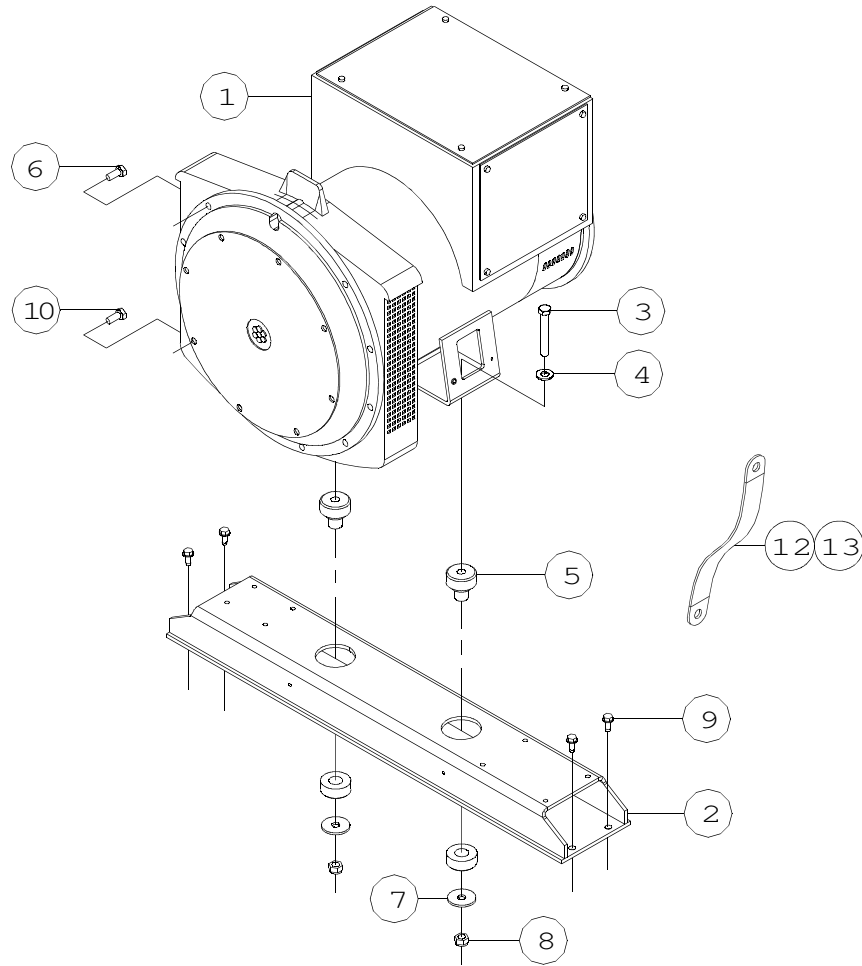
Battery



22957138_062_03/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22890701	Battery Module	1	
2	22550370	Bracket, Battery Mounting	1	
3	36878064	Tray, Battery	1	
4	36853257	Angle	1	
5	23050982	J-Bolt	2	
6	36853265	Washer, Plastic	2	
7	95923298	Nut, Hex	2	
8	22959936	Screw, Tapping	4	M8 - 1.25 X 20
9	35582410	Cable, Battery Positive	1	20"
10	35582402	Cable, Battery Negative	1	20"
11	22730972	Cable, Jumper (From Switch To Starter)	1	
12	35279025	Screw	2	
13	36896975	Switch, Cut-Off	1	
14	22597306	Bracket Disconnect	1	

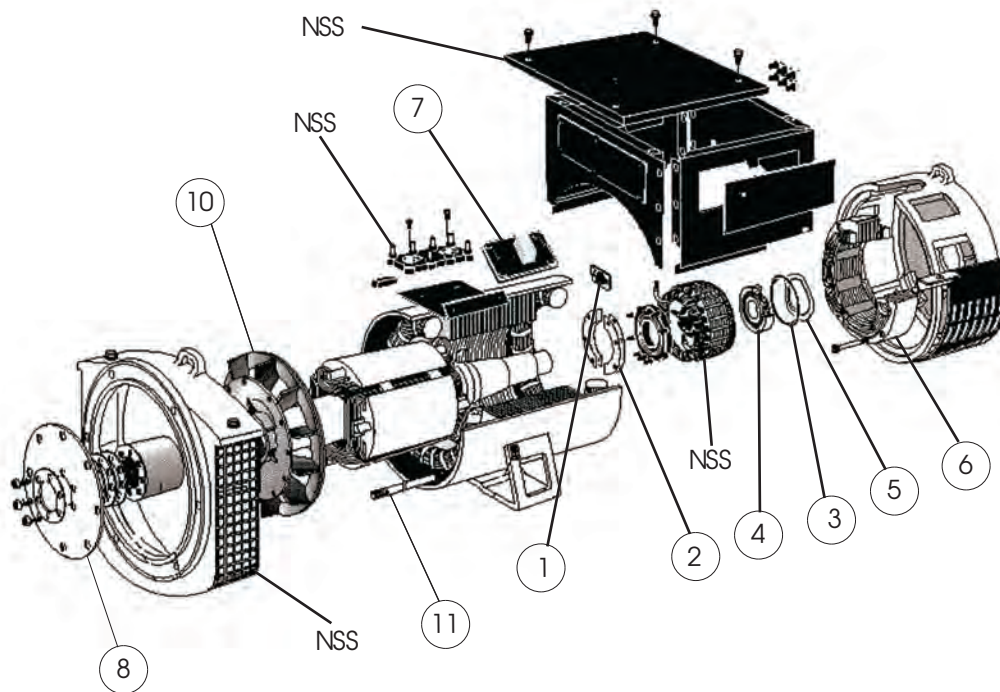
Alternator, Alternator Mounting



22957138_063_03/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22757348	Alternator, LSA 422L9	1	
2	22612667	Support, Alternator	1	
3	96740782	Screw, Hex	2	M12 - 1.75 X 80
4	95935003	Washer, Plain	2	
5	54439062	Isolator, 2-Piece	2	
6	96704929	Bolt, Drive Disk	8	
7	54429295	Washer, Snubbing	4	
8	35304047	Nut, Locking	2	
9	35279025	Screw, Tapping	4	M8 - 1.25 X 20
10	36880995	Bolt, Engine-Generator	10	
11	22874507	Alternator Wire Assembly (Not Shown)	1	
12	35578194	Strap, Ground	1	14"
13	22959936	Screw, Tapping	1	M8 - 1.25 X 20

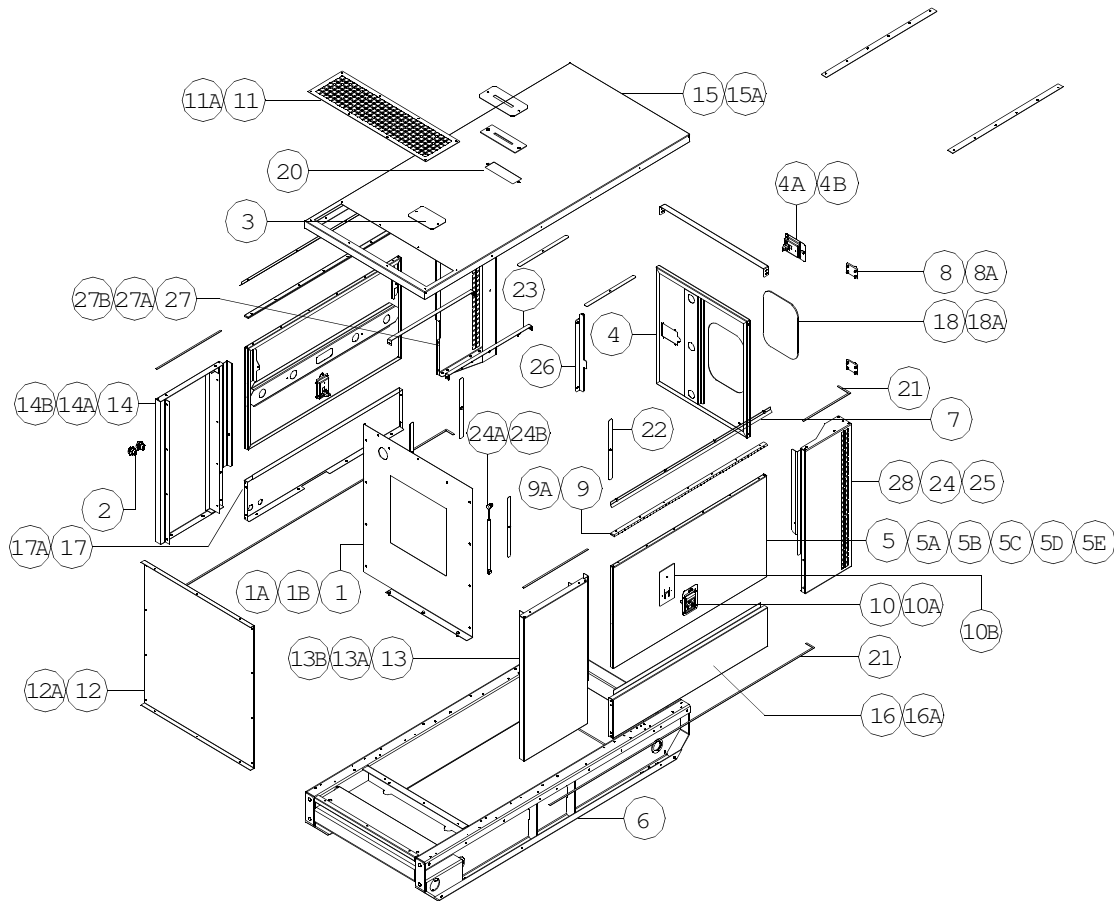
Alternator, Alternator Mounting



22957138_064_03/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	85425858	Diode Bridge Assembly	1	
2	85425866	Surge Suppressor	1	
3	85508992	O-Ring	1	
4	85425882	Bearing	1	
5	85509032	Wavey Washer	1	
6	85508893	Wound Exciter Field	1	
7	85402451	Voltage Regulator	1	
8	85425973	Drive Disc LSA 422L9	1	
9	55626968	Fuse, 8 Amp (Not Shown)	1	
10	22754006	Fan (Requires Rotor Rebalance)	1	
11	22980122	Tie Rods		
12	22980049	Stud Terminal Blocks (Not Shown)		
13	22980072	Nuts, Stud (Not Shown)		

Enclosure Assembly

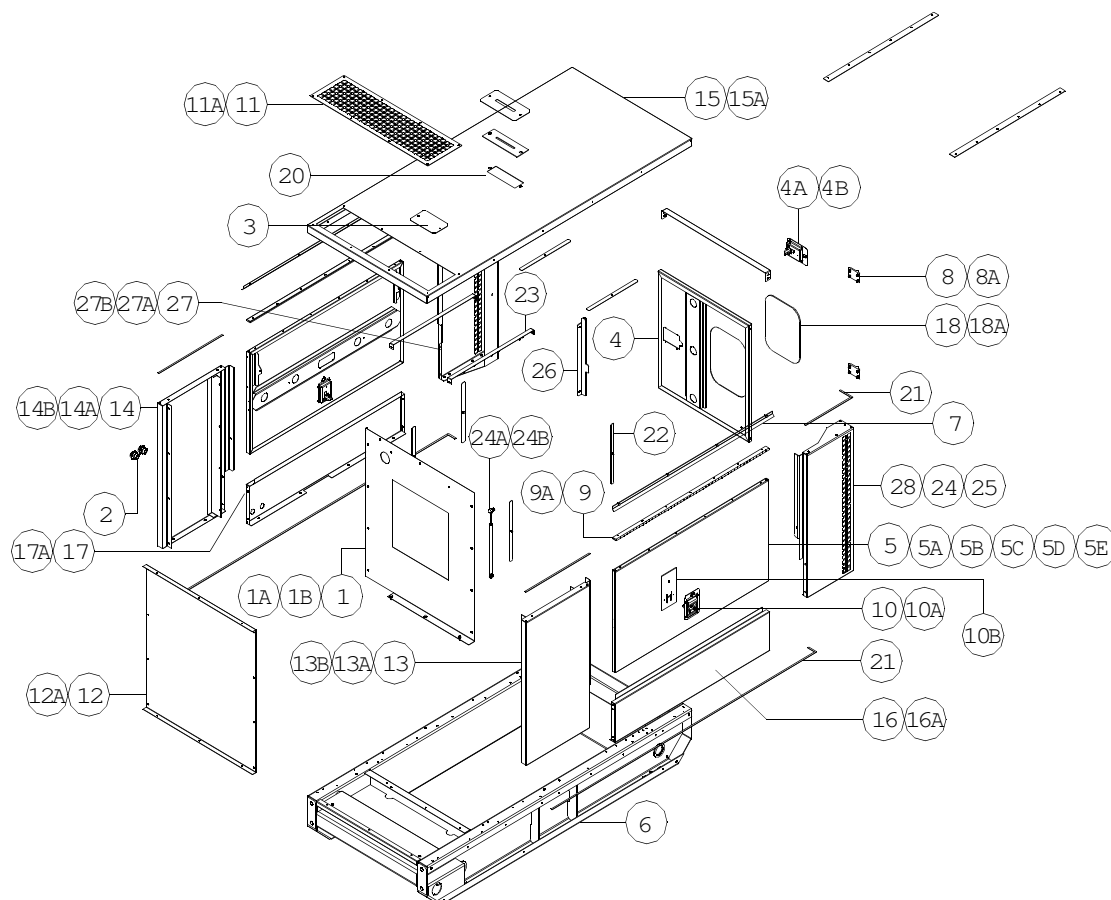


22957138_065_06/08_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22858807	Baffle, Radiator	1	
1A	36797652	Screw, Tapping	11	M6 - 1.0 X 12
1B	35279025	Screw, Tapping	3	M8 - 1.25 X 20
2	22219026	Connector, Bulkhead	2	.50 NPT
3	22312409	Cover, Radiator	1	
4	22659643	Door, Rear	1	
4A	22788673	Latch, Door Rear	1	
4B	36794816	Rivet	4	1.87 X 2.0 - 1.25
4C	22064158	Seal, Door Push On (Not Shown)	142"	Each Side (3.6M)
5	22901409	Door, Side	2	
5A	35600261	Spring, Gas	4	
5B	36881886	Nut, Hex Flange	8	M8 - 1.25
5C	35256429	Stud, Short	2	
5D	35256445	Retainer	2	
5E	35337328	Ball Stud	4	
6	22905517	Frame	1	

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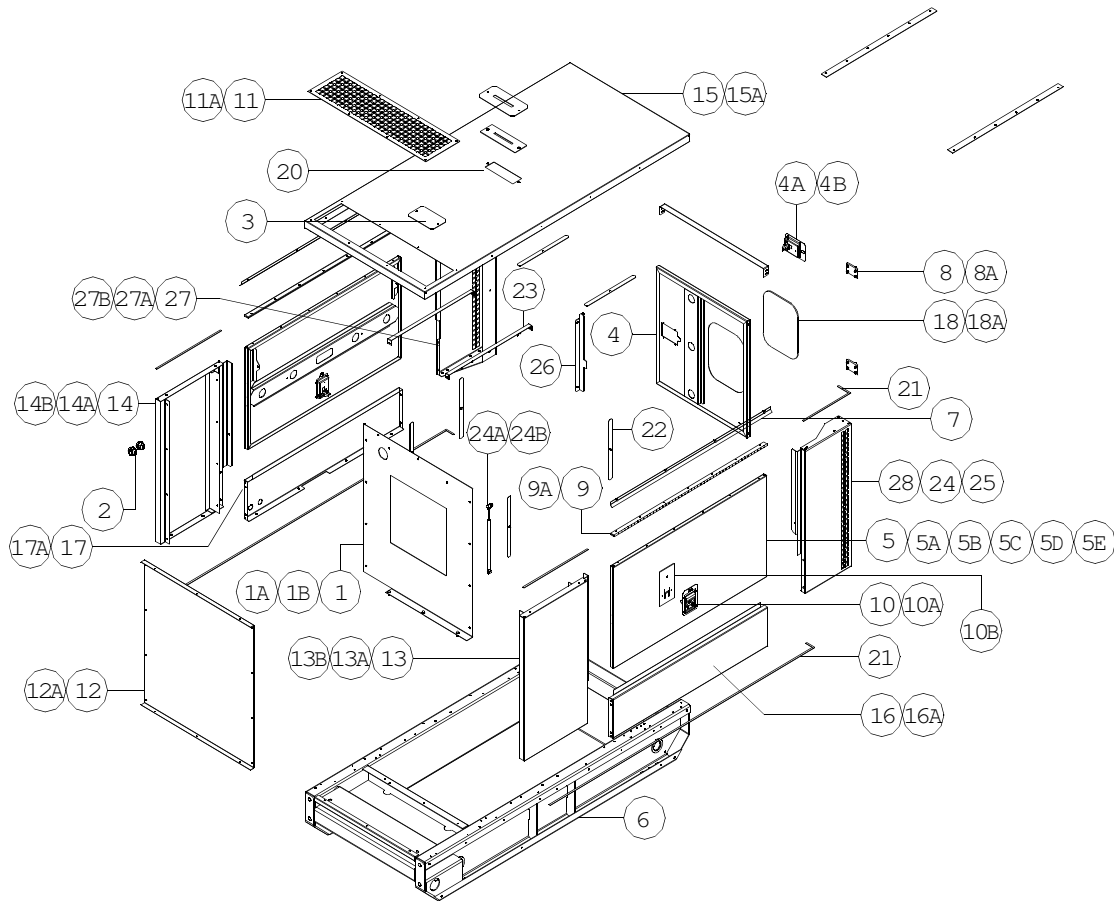
Enclosure Assembly



22957138_065_06/08_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
				Continued
7	35256452	Receptacle, Clip-on	2	
8	89287692	Hinge, Front Access Door	2	
8A	35278530	Nut, Locking	8	M8 X 1.25
9	22321111	Hinge, Side Door	2	
9A	36797652	Screw, Tapping	13	M6 - 1.0 X 12
10	36793602	Latch, Slam Door	3	
10A	36794816	Rivet	8	1.87 X 2.0 - 125
10B	22869937	Seal, Latch	2	
11	22470249	Panel, Exhaust Grille	1	
11A	36797652	Screw, Tapping	8	M6 - 1.0 X 12
12	22470322	Panel, Front	1	
12A	36797652	Screw, Tapping	14	M6 - 1.0 X 12
13	22901326	Panel, Left Side, Front	1	
13A	36797652	Screw, Tapping	2	M6 - 1.0 X 12
13B	35279025	Screw, Tapping	2	M8 - 1.25 X 20
				Continued on next page

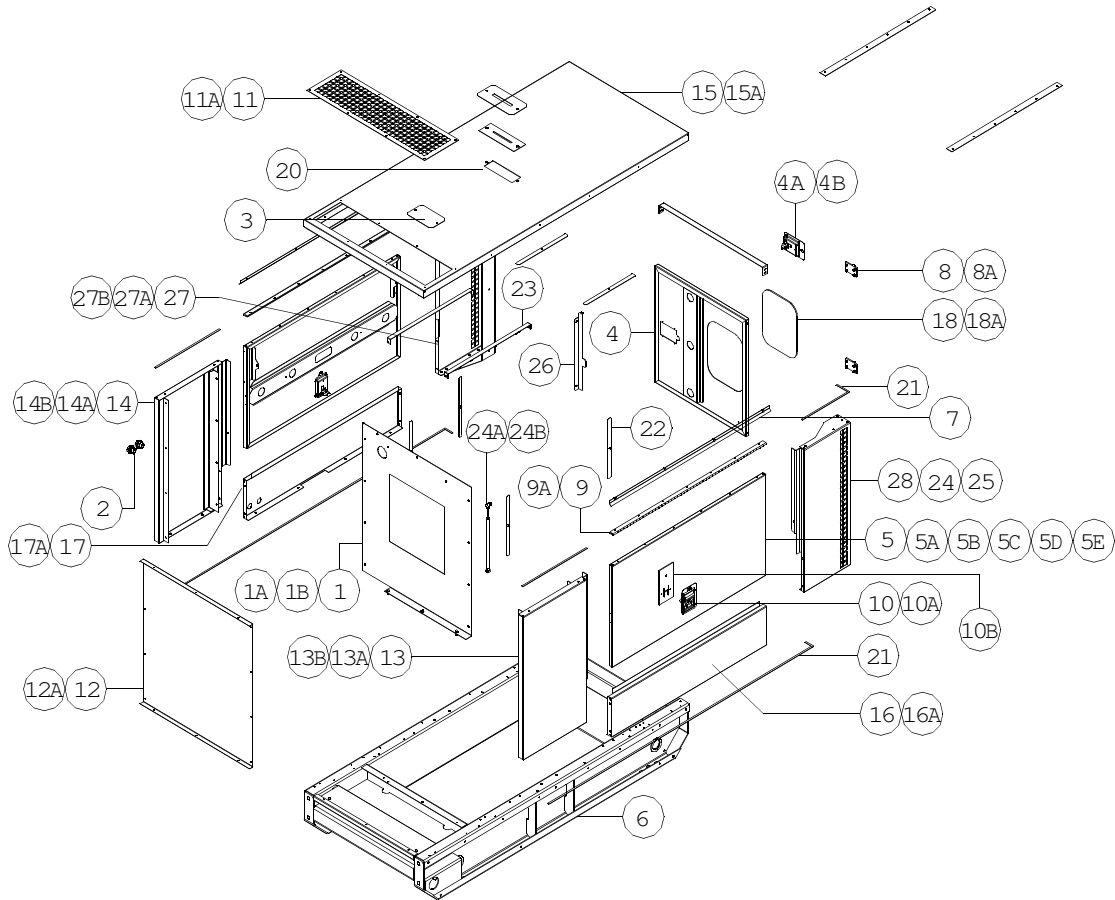
Enclosure Assembly



22957138_065_06/08_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
14	22901334	Panel, Right Side, Front	1	Continued
14A	36797652	Screw, Tapping	2	
14B	35279025	Screw, Tapping	2	
15	22901508	Panel, Roof	1	
15A	36921344	Nutsert, Hex	3	
16	22901367	Panel, Left Side Bottom	1	
16A	35279025	Screw, Tapping	4	
16B	36797652	Screw, Tapping (Not Shown)	4	
17	22901359	Panel, Right Side Bottom	1	
17A	35279025	Screw, Tapping	4	
17B	36797652	Screw, Tapping (Not Shown)	4	
18	22741417	Plexiglass Window	1	
18A	22897342	Seal Strip, Self Sealing	4.5'	
20	22682488	Cover, Lifting Bail	1	
21	22617666	Rubber Seal Strip	10	
				Continued on next page

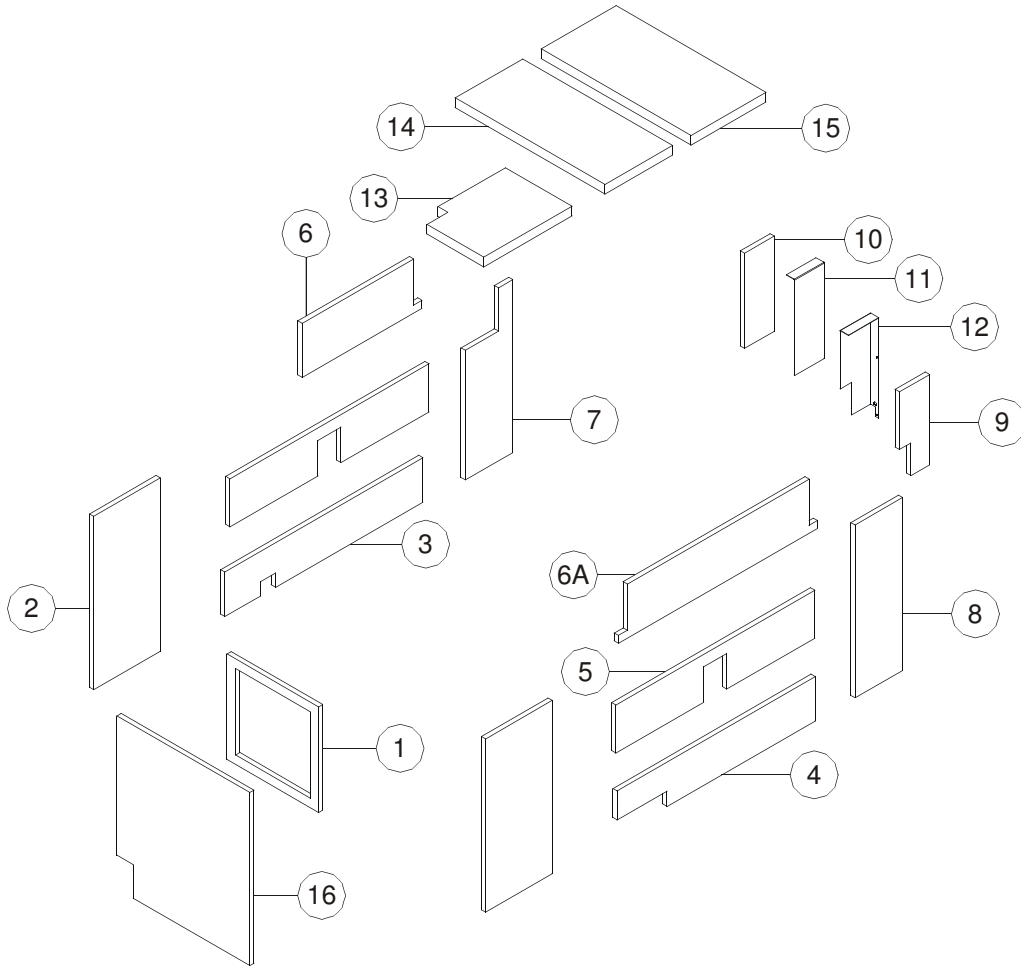
Enclosure Assembly



22957138_065_06/08_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
22	54718184	Strap, Foam Retention	6	 Continued
23	22631584	Strap, Roof Foam	2	
24	36797652	Screw, Tapping	3	
24A	35337328	Stud, Ball	8	
24B	36881886	Nut, Hex Flange	8	
25	35279025	Screw, Tapping	3	
26	22769046	Support, Rear Door	1	
27	22901383	Panel, Corner Right, Rear	1	
27A	36797652	Screw, Tapping	3	
27B	35279025	Screw, Tapping	3	
28	22901375	Panel, Corner Left, Rear	1	
28A	36797652	Screw, Tapping	3	
28B	35279025	Screw, Tapping	3	

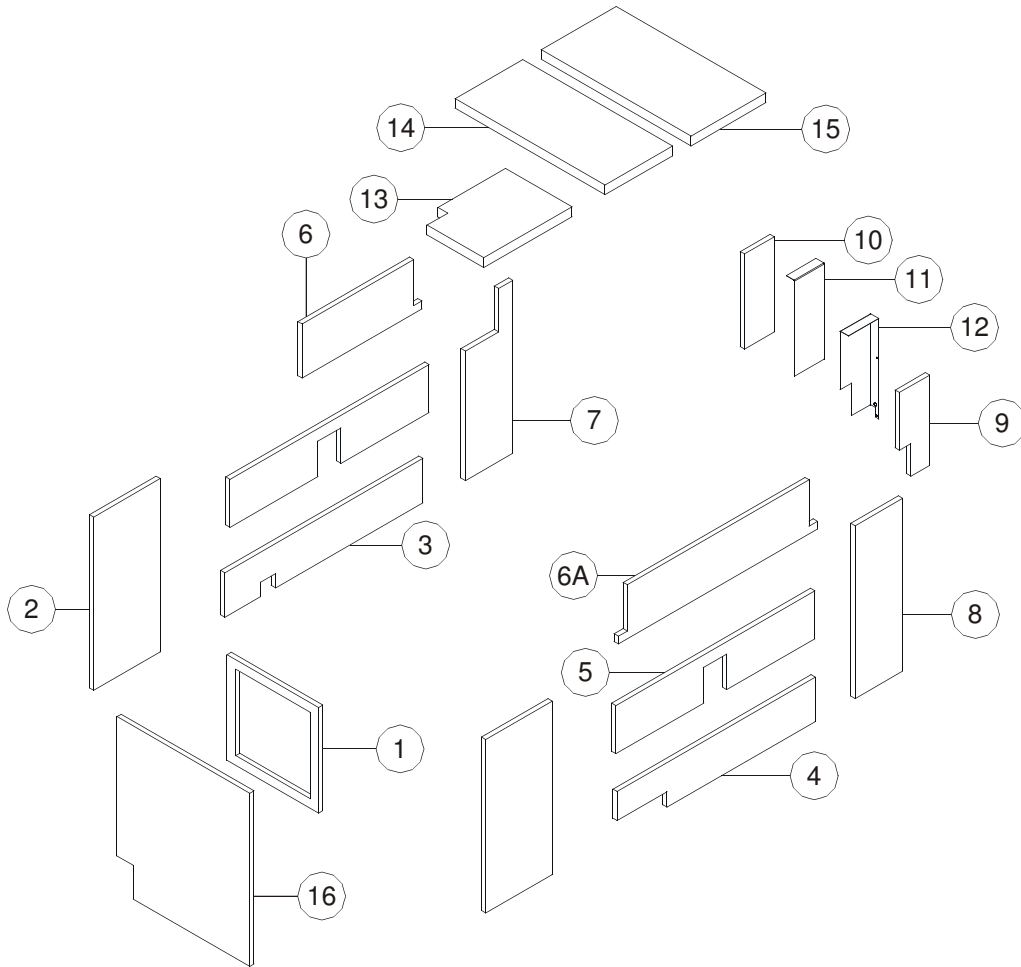
Foam Assembly



22957138_069_03/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	(A)	Foam, Exhaust Baffle	1	Install on 22470447
2	22631600	Fiberglass, Exhaust Plenum	2	Install 22470265/22470298
3	(A)	Foam, Bottom, Right Side	1	Install on 22600597
4	(A)	Foam, Bottom, Left Side	1	Install on 22470280
5	(A)	Foam, Side Door, Bottom	2	Install on 22901409
6	(A)	Foam, Right Side Door, Top	1	Install on 22901409
6A	(A)	Foam, Left Side Door, Top	1	Install on 22901409
7	(A)	Foam, Right Rear Corner	1	Install on 22470306
8	(A)	Foam, Left Rear Corner	1	Install on 22470264
9	(A)	Foam, Left Intake Baffle	1	Install on 22525622
10	(A)	Foam, Right Intake Baffle	1	Install on 22525630
11	22529630	Baffle, Right Intake	1	Mount to Pedestal Back
12	22529622	Baffle, Left Intake	1	Mount to Pedestal Back
13	(A)	Foam, Roof, Front	1	Install on 22470231
14	(A)	Foam, Roof, Middle	1	Install on 22470231
15	(A)	Foam, Roof, Rear	1	Install on 22470231
16	22631592	Fiberglass, Front Panel	1	Install on 22470322
Continued.....				

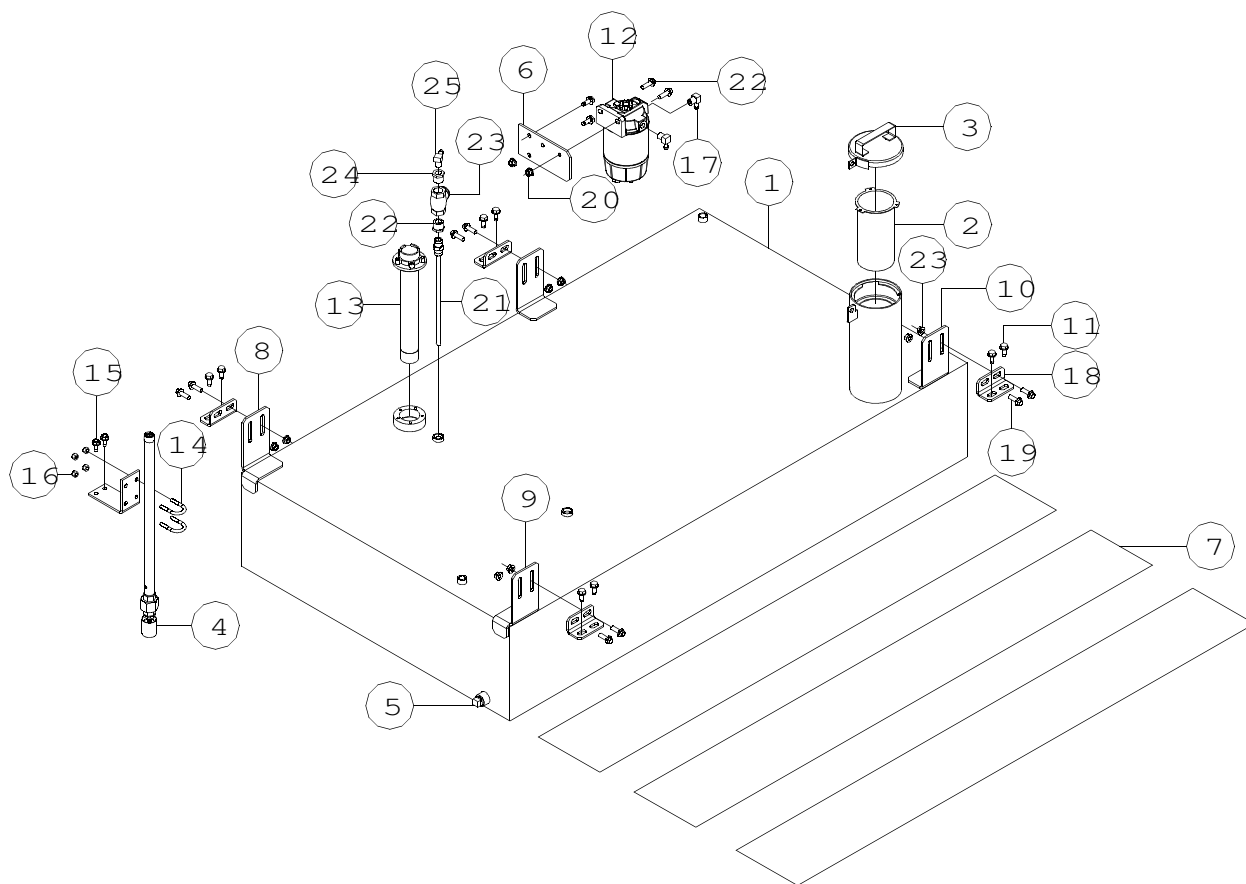
Foam Assembly



22957138_069_03/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
(A)	REF	Bulk Foam		Continued
17	92949742	Foam, Bulk (Not Shown)	AR	1.9M x 1.5M x 25mm Thick
18	92949759	Foam, Bulk (Not Shown)	AR	0.95M x 1.5M x 25mm Thick
19	92949767	Foam, Bulk (Not Shown)	AR	1.9M x 1.5M x 50mm Thick
20	92949775	Foam, Bulk (Not Shown)	AR	0.95M x 1.5M x 50mm Thick
				Note: Supplying individual foam pieces is often a very time consuming process and can prove to be very expensive for the customer. To address this problem Doosan Portable Power offers complete foam sheets from which the customer can cut pieces to fit individual requirements.

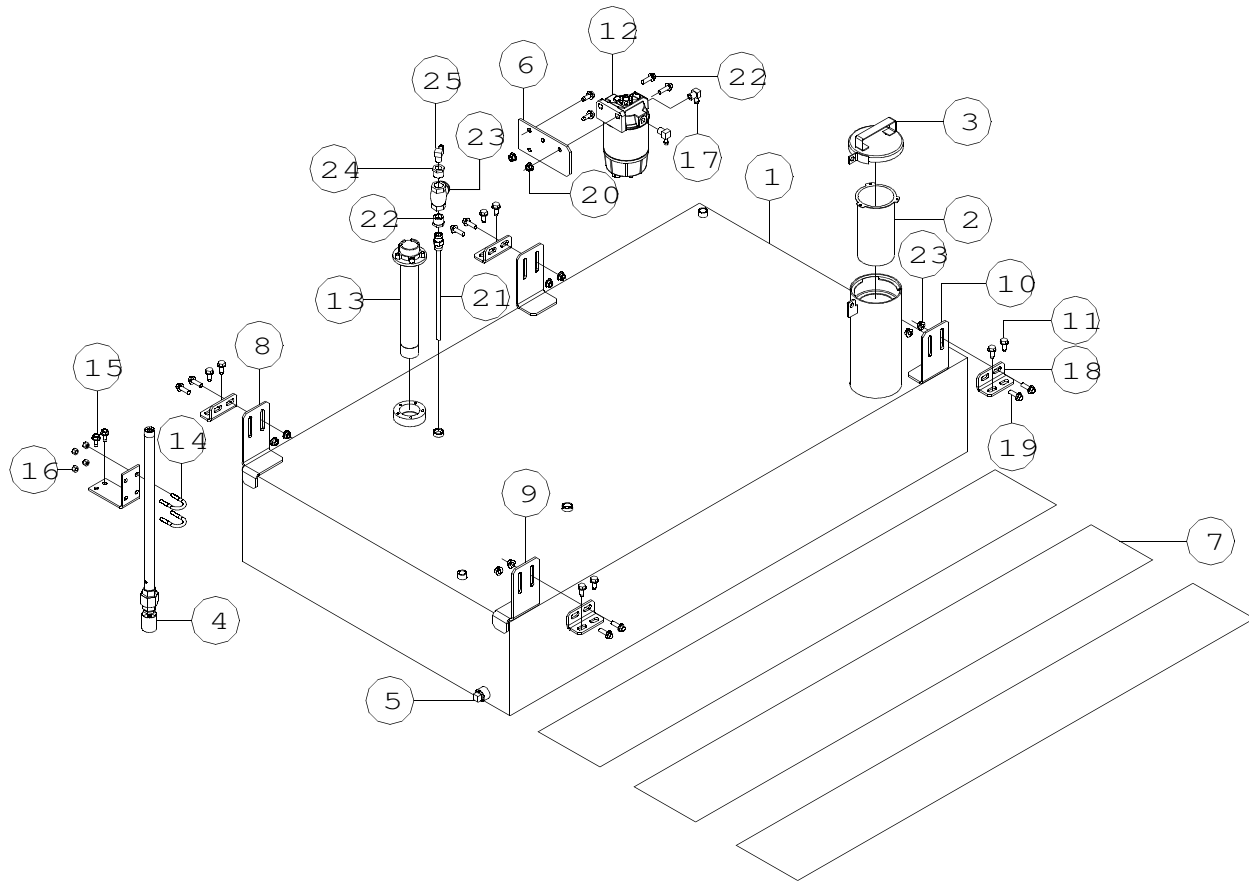
Fuel Tank & Hardware



22957138_070_03/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22464036	Tank	1	M8 - 1.25 X 20 Continued.....
2	36845022	Str, Fuel Tank	1	
3	36845014	Cap, Fuel	1	
4	22580351	Containment Level Switch	1	
5	95992392	Plug, Vent Fuel / Water	1	
6	22630628	Bracket, Fuel / Water Separator	1	
7	22593743	Pad, Fuel Tank	3	
8	22765531	Bracket, Tank Mounting L/S, Rear	1	
9	22765549	Bracket, Tank Mounting R/S, Rear	1	
10	22765523	Bracket, Tank Mounting, Front	2	
11	35279025	Screw, Tapping	10	
12	54525506	Separator, Fuel Water	1	

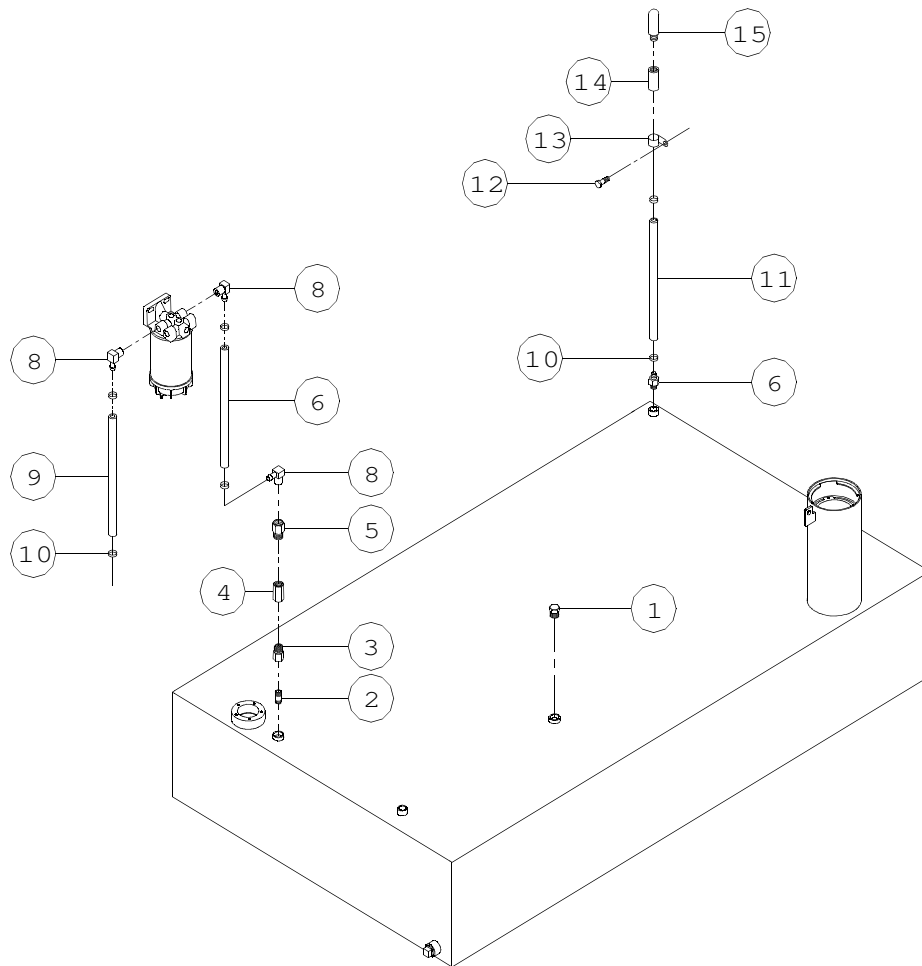
Fuel Tank & Hardware



22957138_070_03/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
13	22579213	Sender, Fuel Level	1	Continued M8 - 1.25 X 25 M8 - 1.25 1/2
14	22616353	Clamp, Saddle	2	
15	22959936	Screw	2	
16	95923298	Nut	4	
17	35378538	Elbow 90°	3	
18	22783245	Bracket, Tank	4	
19	36889608	Screw	8	
20	36881886	Nut	8	
21	22861546	Tube, Pick-up Assembly	1	
22	95952248	Bushing	1	
23	22503023	Valve, Check	1	
24	95944625	Bushing	1	

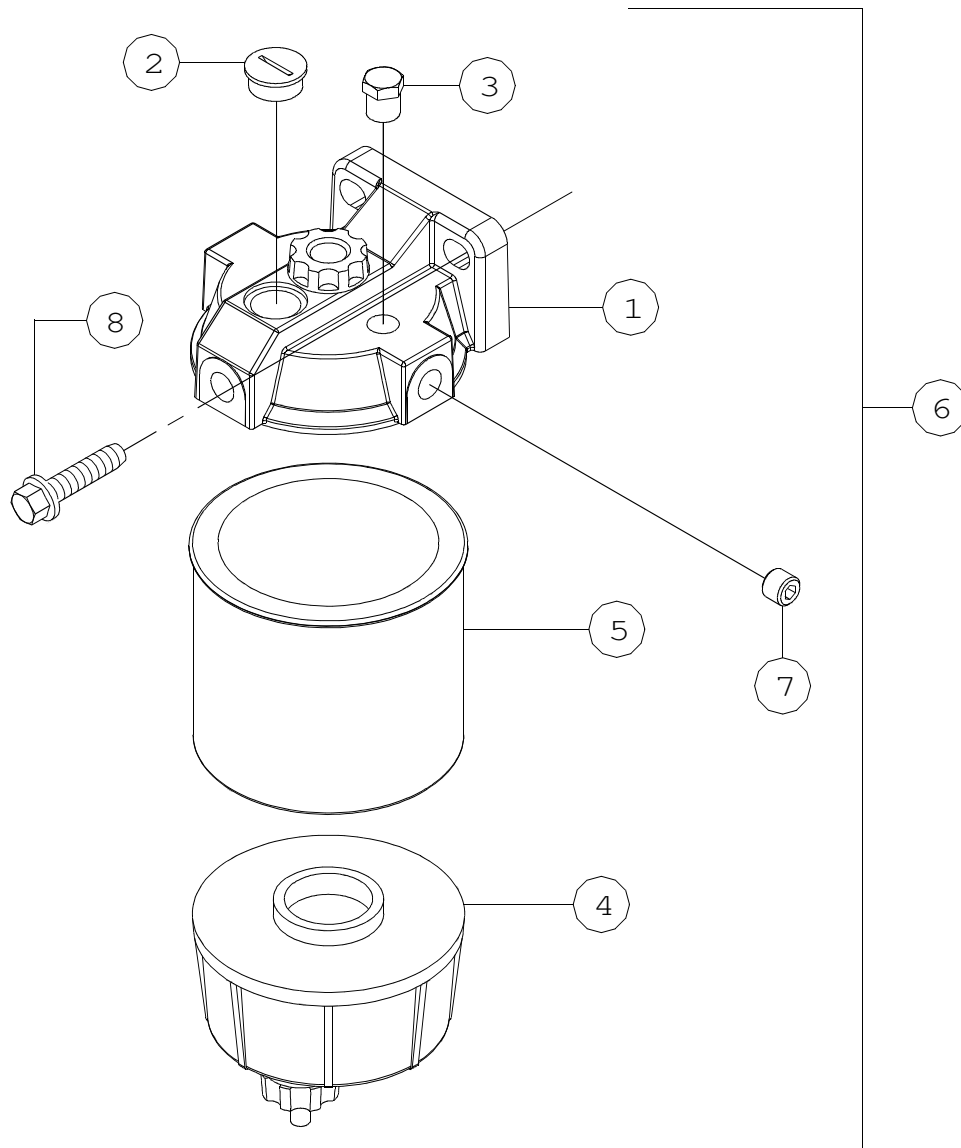
Fuel Tank Piping



22957138_072_06/08_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	95928222	Plug	1	40" 90 deg. 10" M6 - 1.0 X 14
2	95953618	Nipple	1	
3	95952248	Bushing	1	
4	22503023	Valve, Check	1	
5	95944625	Bushing	1	
6	35369339	Connector, Female	2	
7	35363498	Hose	1	
8	35378538	Elbow, Barbed	3	
9	35363498	Hose To Engine Fuel Inlet	1	
10	35296342	Clamp, Hose	8	
11	35356484	Tubing (Front-20" and Rear-28")	2	
12	92368687	Screw	2	
13	35253038	Clamp, Hose	2	
14	35369347	Coupling	2	
15	35322395	Silencer	2	

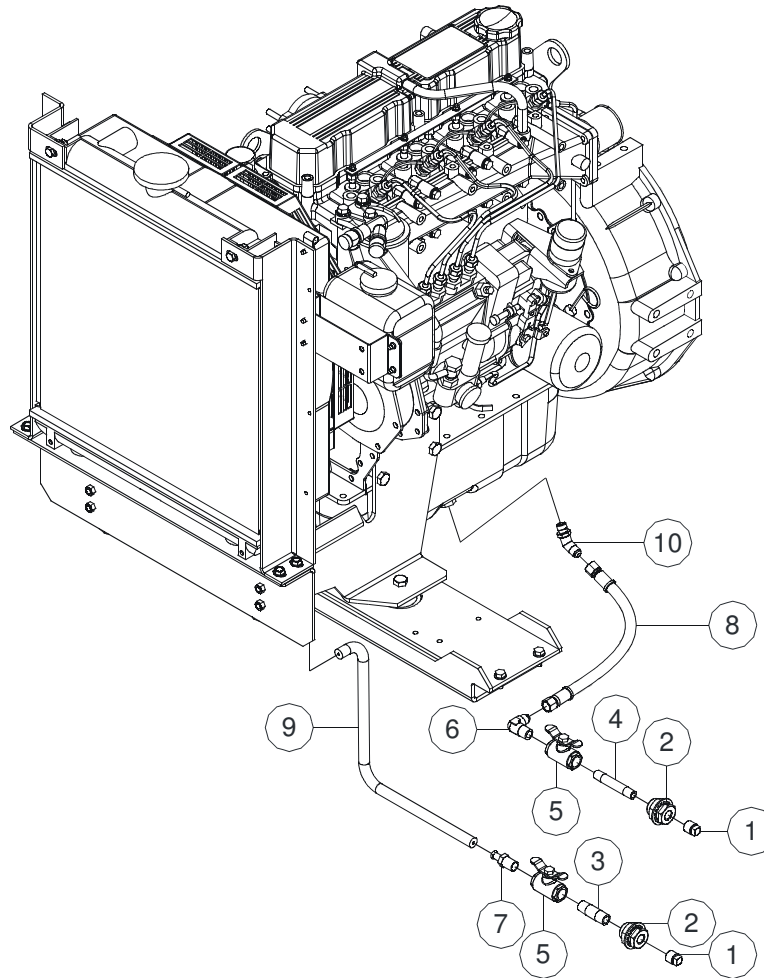
Fuel / Water Separator



22957138_073_06/08_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	54480512	Head Assembly	1	
2	35358381	Cover, Check Ball	1	
3	54480520	Plug	1	
4	54480504	Bowl	1	
5	54525530	Filter, Fuel/Water Separator	1	
6	54525506	Separator, Fuel/water Assembly	1	
7	95928230	Plug, Pipe	1	1/4"
8	36889608	Screw	2	M8 - 1.25 X 25

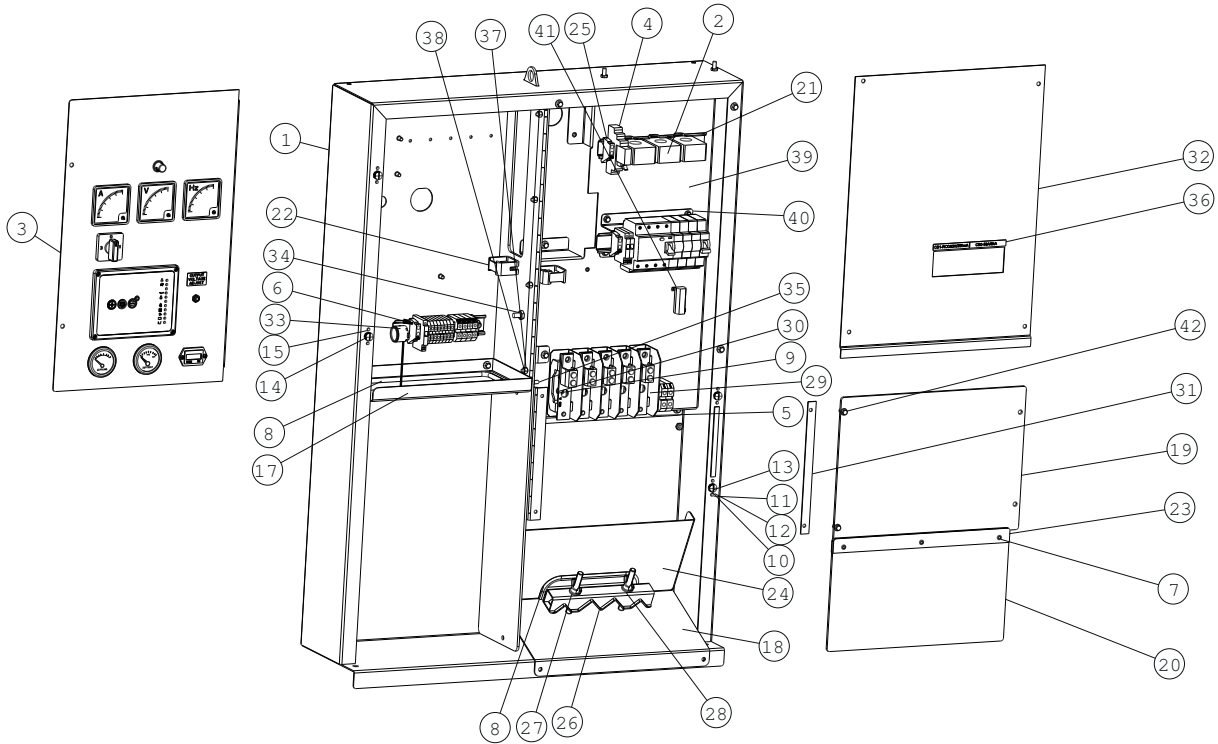
Central Drains



22957138_074_03/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	95033601	Plug	2	
2	22219026	Bulkhead Connector	2	
3	95953642	Nipple	1	
4	95991626	Nipple	1	
5	22375141	Valve	2	
6	35279926	Elbow	1	90°
7	35305234	Hose Connector, Barbed	1	
8	35283282	Hose Assembly	1	
9	35285600	Hose (19 inches)	1	
10	22741722	Elbow	1	45°

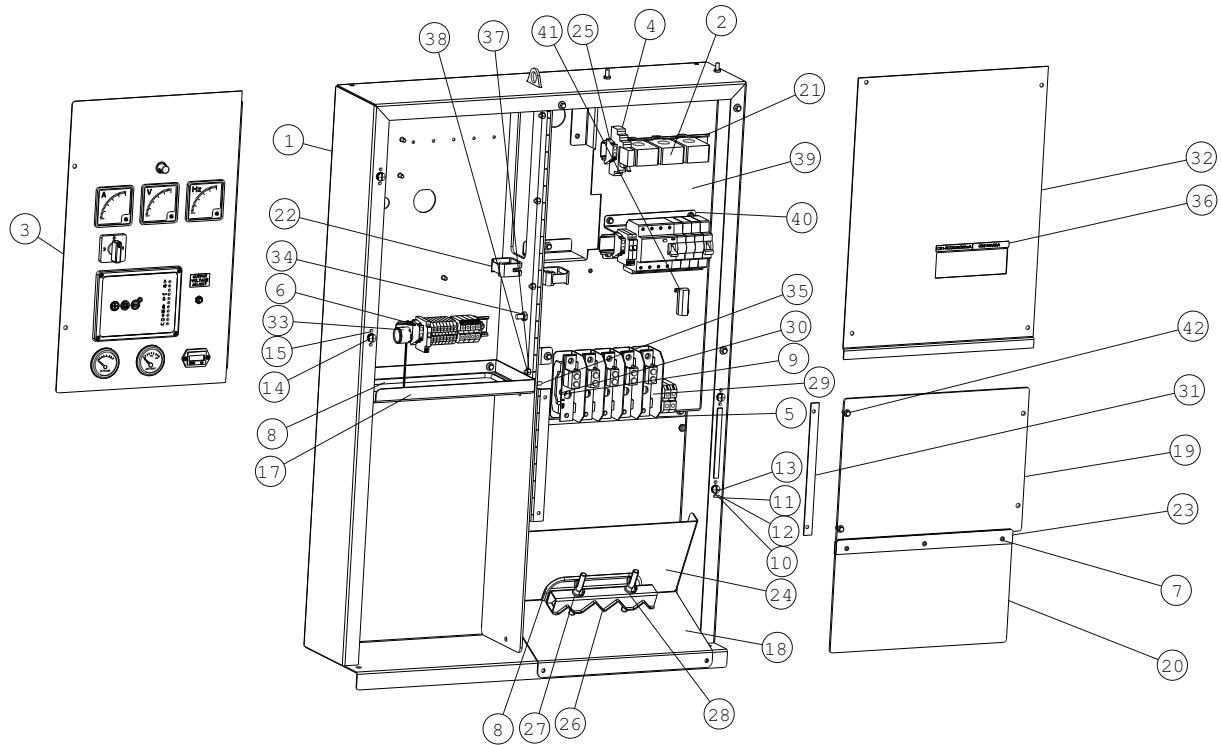
Power Pedestal Assy - Analog W/O RCD



23078314_025_06/08_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22641229	Enclosure	1	M6 - 1.0 X 16
2	22721088	Transformer, Current	3	
3	22723894	Panel, Control	1	
4	22747315	Relay, Switch	1	
5	22750673	Terminal Assembly, Output Cables	1	
6	22750863	Terminal Assembly, Receptacles Conn.	1	
7	22054498	Rivet	3	
8	22293419	Seal	2	
9	96702694	Screw	5	
10	22465165	Stud, 1/4 Turn	2	
11	22465207	Receptacle, 1/4 Turn	4	
12	22499487	Washer, Nylon	4	
13	22499495	Retainer	4	
14	22511901	Stud, 1/4 Turn	2	
15	22515605	Rivet	8	
16	22674998	Divider, Receptacles	1	
17	22677231	Base, Breaker	1	
18	22720460	Support, Cable	1	
19	22721690	Door, Plexiglass	1	
20	22721906	Shroud, Rubber	1	
				Continued.....

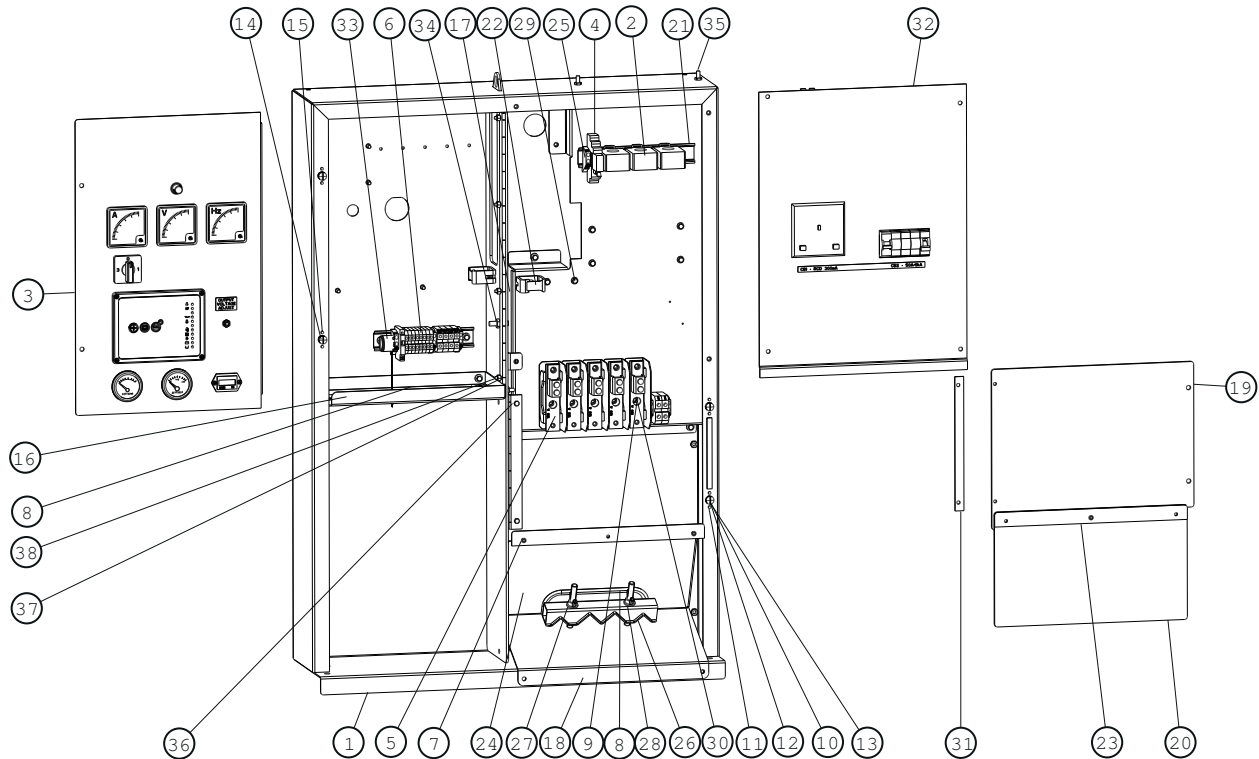
Power Pedestal Assy - Analog W/O RCD



23078314_025_06/08_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
21	22734834	Rail, Din	1	Continued
22	22747216	Clip, Wire Bundle	1	
23	22747307	Washer	2	
24	22747927	Shroud, Cables	1	
25	22750970	Lock, Terminal	1	
26	22778260	Holder, Cable	1	
27	22787436	Nut, Wing	2	M10 - 1.5
28	22787444	Washer	2	
29	96750575	Bolt	14	M5 - 0.8 X 10
30	22837538	Washer	5	
31	22883748	Washer	1	
32	22641237	Cover, Power Pedestal Box	1	
33	23189319	Buzzer	1	
34	36889608	Screw	1	M8 - 1.25 X 25
35	36898096	Screw	14	M6 - 1.0 X 20
36	22747257	Decal, Main Breaker	1	
37	95928800	Nut	4	#10 - 32
38	95942595	Screw	4	#10 - 32 X 1/2"
39	22677231	Base, Breaker	1	
40	22752067	Breaker, Main	1	
41	22747323	Resistor	1	
42	92304492	Nut	2	M5 - 0.8

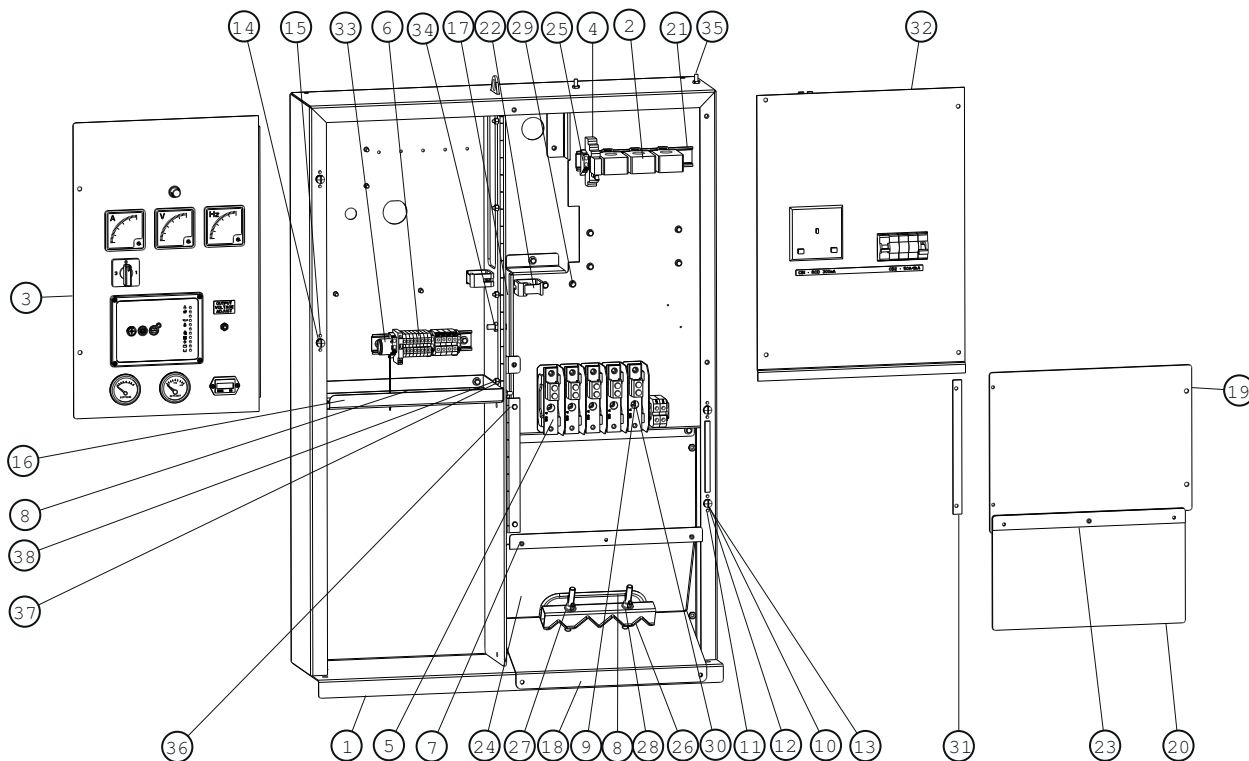
Power Pedestal Assy - Analog W/ RCD



23078314_025_06/08_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22641229	Enclosure	1	M6 - 1.0 X 16
2	22721088	Trasnformer, Current	1	
3	22723894	Panel, Control	1	
4	22747315	Relay, Switch	1	
5	22750673	Terminal Assembly, Output Cable	1	
6	22750863	Terminal Assembly, Receptacle Conn.	1	
7	22054498	Rivet	3	
8	22293419	Seal	2	
9	96702964	Screw	5	
10	22465165	Stud, 1/4 Turn	2	
11	22465207	Receptacle, 1/4 Turn	4	
12	22499487	Washer, Nylon	4	
13	22499495	Retainer	4	
14	22511901	Stud, 1/4 Turn	2	
15	22515605	Rivet	8	
16	22674998	Divider, Receptacle	1	
17	22677231	Base, Breaker	1	
18	22720460	Support, Cable	1	
19	22721690	Door, Plexiglass	1	
20	22721096	Shroud, Rubber	1	
				Continued.....

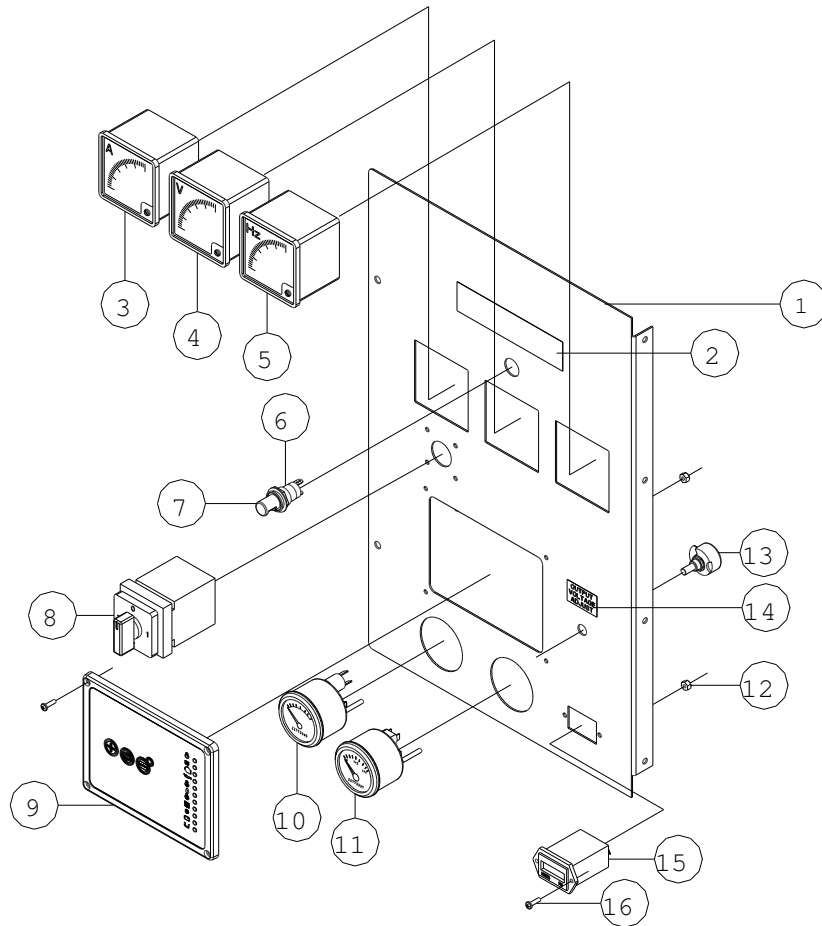
Power Pedestal Assy - Analog W/ RCD



23078314_025_06/08_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
21	22734834	Rail, DIN	1	Continued
22	22747216	Clip, Wire Bundle	2	
23	22747307	Washer	2	
24	22747927	Shroud, Cable	1	
25	22750970	Lock, Terminals	1	
26	22778260	Holder, Cable	1	
27	22787436	Nut, Wing	2	
28	22787444	Washer	2	
29	96750575	Screw	14	
30	22837538	Washer	5	
31	22883748	Washer	1	
32	23145931	Assembly, Adjustable RCD Option	1	
33	23189319	Buzzer	1	
34	36889608	Screw	1	
35	36898096	Screw	14	
36	92304492	Nut	2	
37	95928800	Nut	4	
38	95942595	Screw	4	

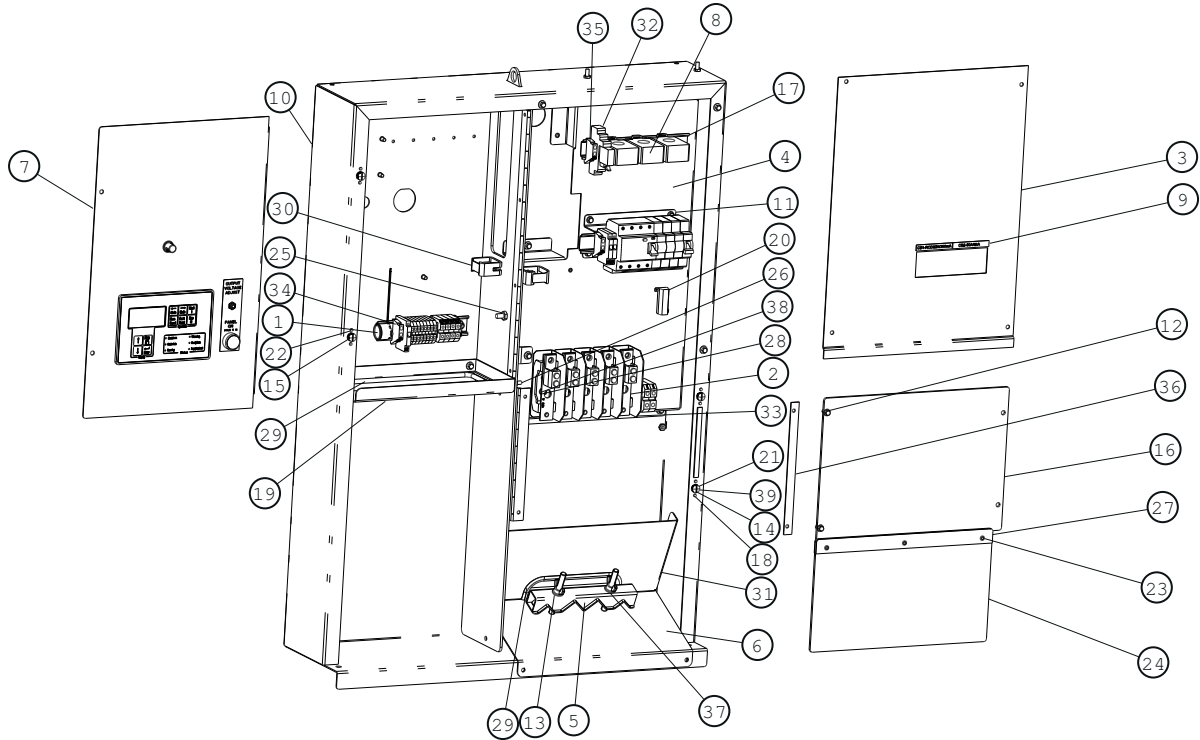
Control Panel - Analog



22957138_076_06/08_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22666424	Panel, Control	1	
2	NSS	Decal	1	
3	22672539	Ammeter	1	
4	22672471	Voltmeter	1	
5	22672547	Hertzmeter	1	
6	22503825	Bulb, Lamp	1	
7	36852622	Lamp Minature	1	
8	22747893	Ammeter Switch	1	
9	22778013	Controller, Auto-start	1	
10	22773345	Guage, Voltmeter	1	
11	22773337	Gauge, Fuel Level	1	
12	95930517	Nut	6	#6 - 32
13	23185739	Potentiometer	1	
14	22747166	Decal	1	
15	22780985	Meter Hour Quartz	1	
16	95942520	Screw	6	#6 - 32 X 1/2"

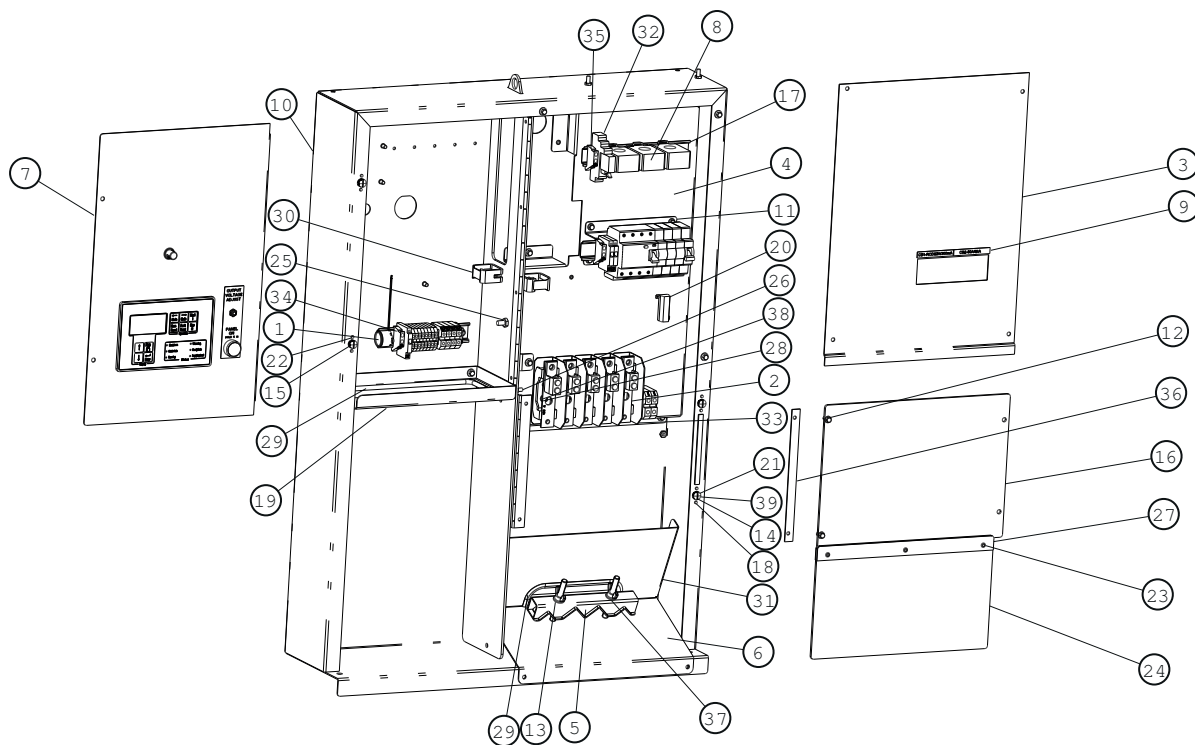
Power Pedestal Assy - Digital W/O RCD



23078314_025_06/08_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	23189319	Buzzer	1	M5 - 0.8 X 10
2	96750575	Screw	12	
3	22641237	Cover, Box	1	
4	22677231	Base, Breaker	1	
5	22778260	Holder, Cable	1	
6	22720460	Support, Cable	1	
7	23151822	Panel, Control	1	
8	22721088	Transformer, Current	3	
9	22747257	Decal, Main Breaker	1	
10	22641229	Enclosure	1	
11	22752067	Breaker, Main	1	
12	92304492	Nut	2	M5 - 0.8
13	22787436	Nut, Wing	2	M10 - 1.5
14	22465165	Stud, 1/4 Turn	2	
15	22511901	Stud, 1/4 Turn	2	
16	22721690	Door, Plexiglass	1	
17	22734834	Rial, DIN	1	
18	22465207	Receptacle, 1/4 Turn	4	
19	22674998	Divider, Receptacles	1	
				Continued.....

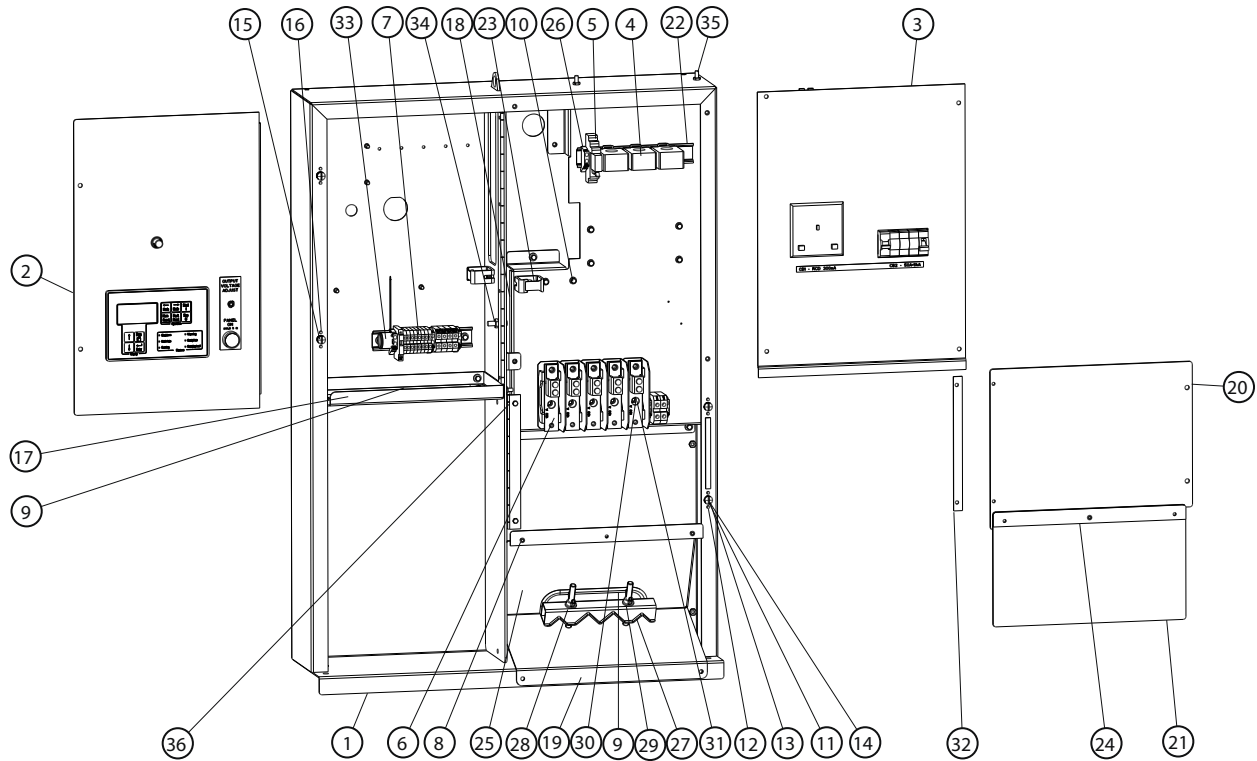
Power Pedestal Assy - Digital W/O RCD



23078314_025_06/08_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
20	22747323	Resistor	1	Continued M8 - 1.25 X 25 M6 - 1.0 x 20
21	22499495	Retainer	4	
22	22515605	Rivet	8	
23	22054498	Rivet	3	
24	22721906	Shroud, Rubber	1	
25	36889608	Screw	1	
26	36898096	Screw	18	
27	22747307	Washer	2	
28	96702964	Screw	5	
29	22293419	Seal	2	
30	22747216	Wire	2	
31	22747927	Shroud, Cable	1	
32	22747315	Relay, Switch	1	
33	22750673	Terminal Assembly, Output Cable	1	
34	22750863	Terminal Assembly, Receptacle Conn.	1	
35	22750970	Lock, Terminal	1	
36	22883748	Washer	1	
37	22787444	Washer	2	
38	22837538	Washer	5	
39	22499487	Washer	4	

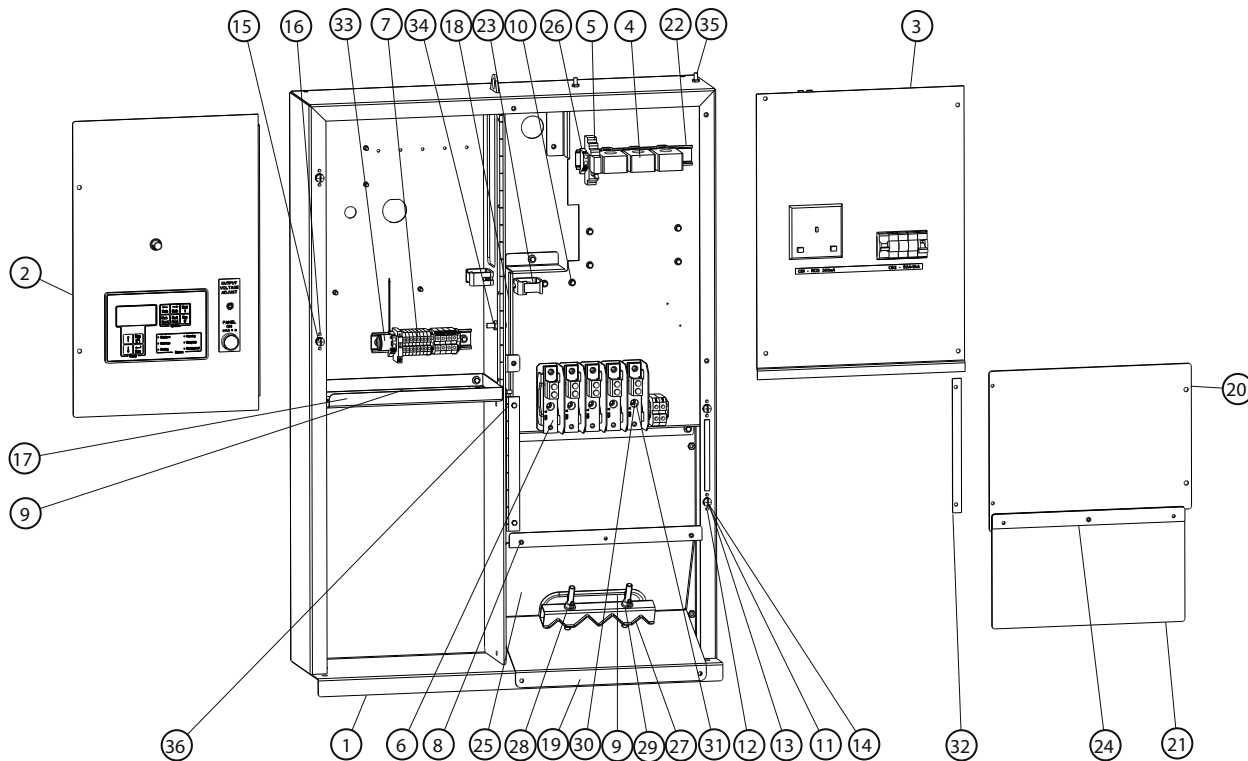
Power Pedestal Assy - Digital W/ RCD



23078314_025_06/08_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22641229	Enclosure	1	<i>Continued.....</i>
2	23151822	Panel, Control	1	
3	23145931	Assembly, Adjustable RCD Option	1	
4	22721088	Transformer, Current	3	
5	22747315	Relay, Switch	1	
6	22750673	Terminal Assembly, Output Cables	1	
7	22750863	Terminal Assembly, Receptacles Conn.	1	
8	22054498	Rivet	3	
9	22293419	Seal	2	
10	96750575	Screw	14	
11	22465165	Stud, 1/4 Turn	2	
12	22465207	Receptacle, 1/4 Turn	4	
13	22499487	Washer, Nylon	4	
14	22499495	Retainer	4	
15	22511901	Stud, 1/4 Turn	2	
16	22515605	Rivet	8	
17	22674998	Divider, Receptacle	1	
18	22677231	Base, Breaker	1	

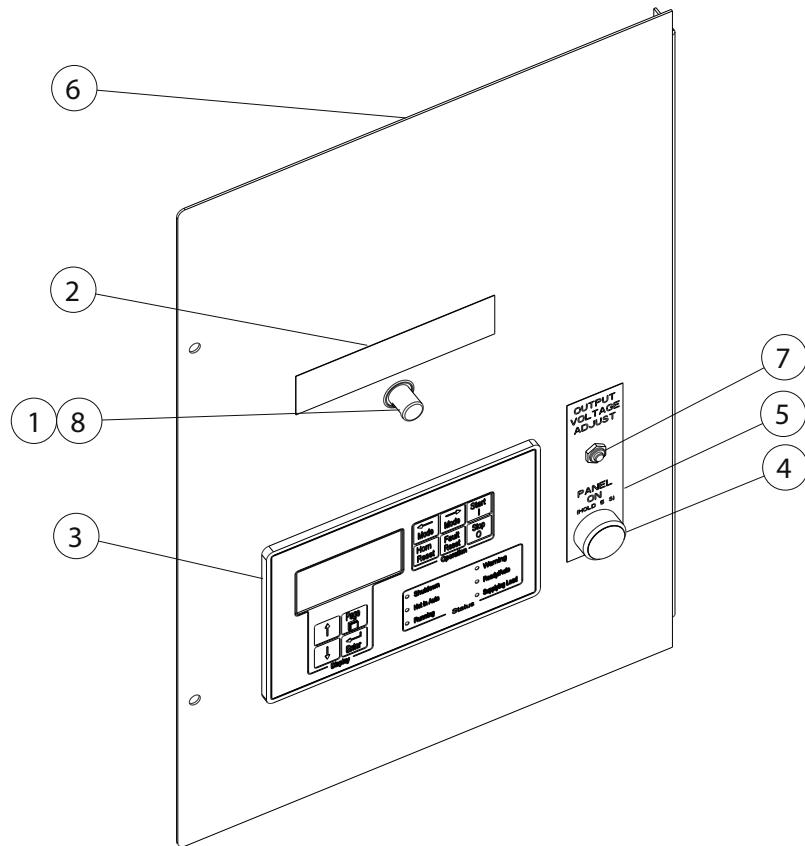
Power Pedestal Assy - Digital W/ RCD



23078314_025_06/08_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES	
19	22720460	Support, Cable	1	 <i>Continued</i>	
20	22721690	Door, Plexiglass	1		
21	22721906	Shroud, Rubber	1		
22	22734834	Rail, DIN	1		
23	22747216	Clip, Wire Bundle	2		
24	22747307	Washer	2		
25	22747927	Shroud, Cable	1		
26	22750970	Terminal Lock	1		
27	22778260	Holder, Cable	1		
28	22787436	Nut, Wing	2		M10 - 1.5
29	22787444	Washer	2		
30	96702964	Screw	5		M6 - 1.0 X 16
31	22837538	Washer	5		
32	22883748	Washer	1		
33	23189319	Buzzer	1		
34	36889608	Screw	1		M8 - 1.25 X 25
35	36898096	Screw	14		M6 - 1.0 X 20
36	92304492	Nut	2		M5 - 0.8

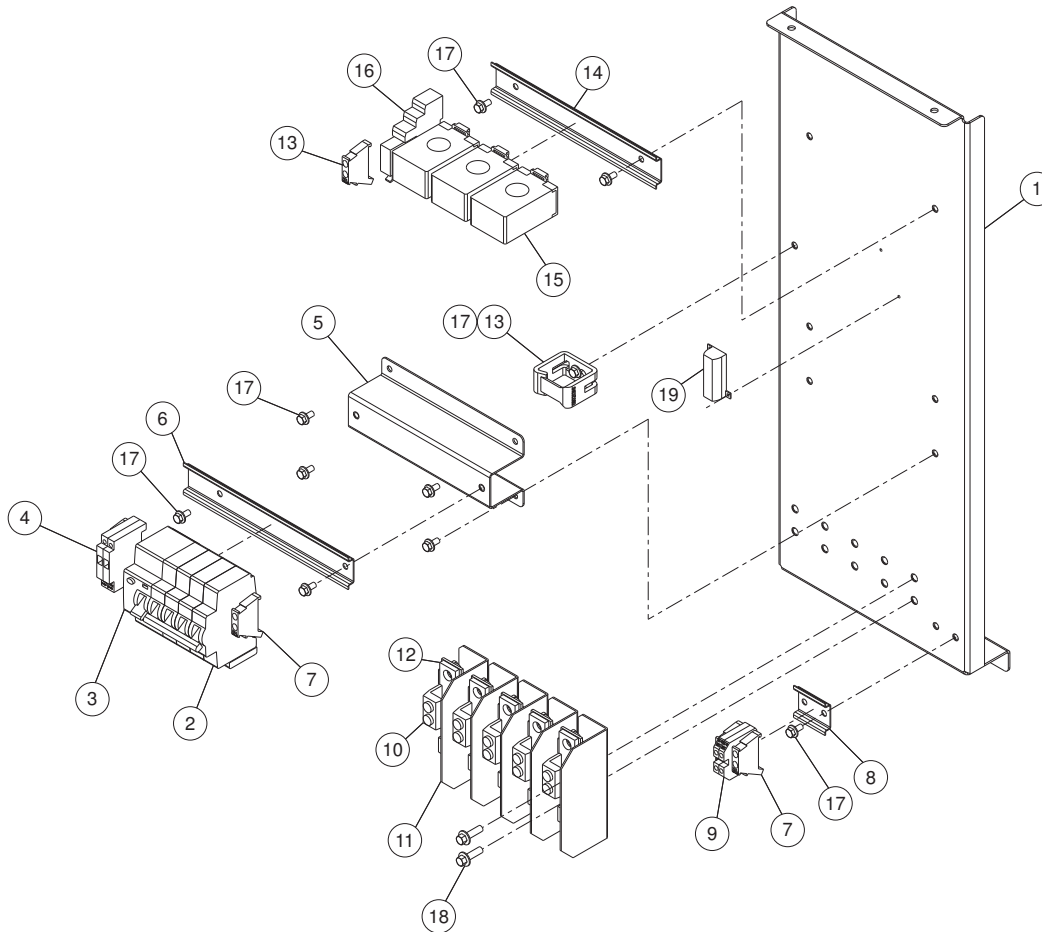
Control Panel - Digital



23078314_026_06/08_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22503825	Bulb, Lamp	1	
2	NSS	Decal	1	
3	23142888	Controller, Digital	1	
4	23149438	Pushbutton, Green	1	
5	23150030	Decal, Output Voltage Adjustment	1	
6	23151830	Panel, Control	1	
7	23185739	Potentiometer	1	
8	36852622	Lamp, Minature	1	

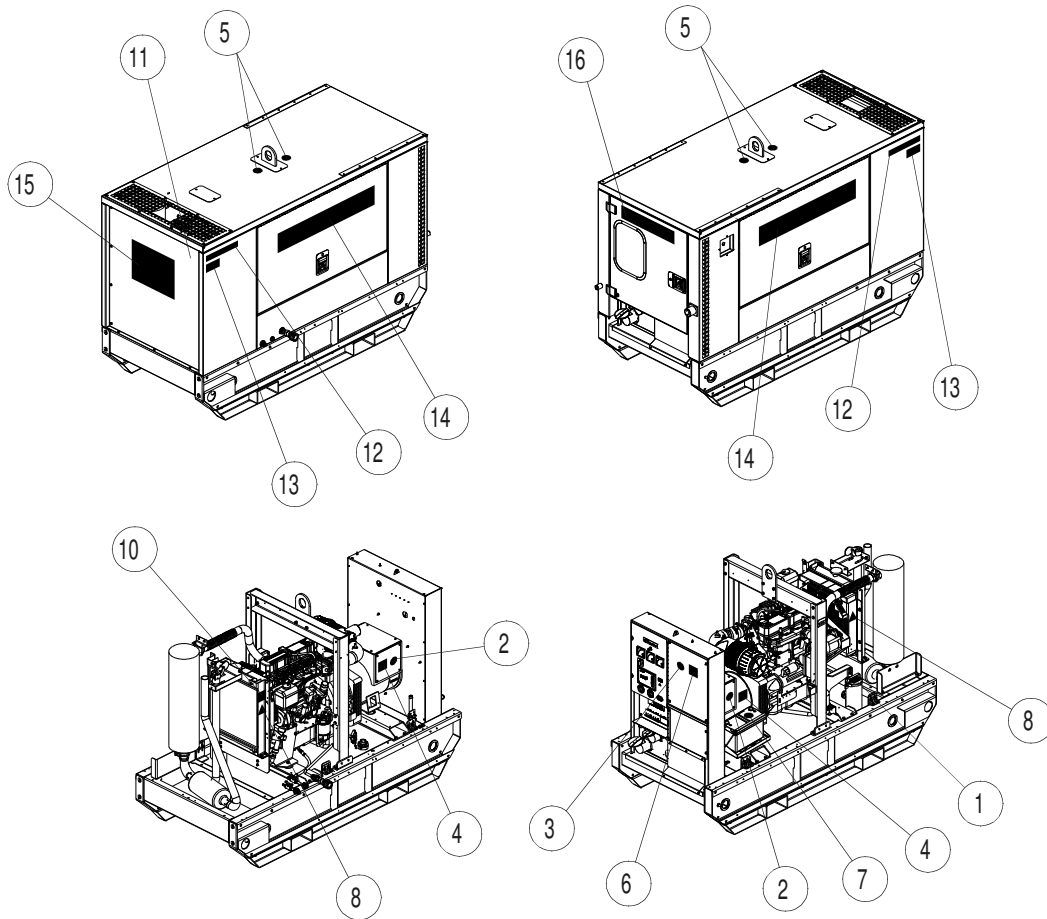
Circuit Breaker Assembly



22929087_086_01/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22677231	Base, Breaker	1	
2	22681969	Circuit Breaker	1	
3	22748602	Circuit Breaker	1	
4	22747299	Fuseholder	2	
5	22675003	Spacer	1	
6	22677017	Rail, Din	1	
7	22750970	Terminals, Lock	2	
8	22734842	Rail, Din	1	
9	22750699	Terminal	2	
10	22817522	Terminal	2	
11	22825533	Barrier	5	
12	22832174	Terminal	5	
13	22747216	Clip	1	
14	22734834	Rail, Din	1	
15	22721088	Transformer, Current	3	
16	22747315	Relay, Switch	1	
17	96750575	Screw	11	M5 - 0.8 X 10
18	96702964	Screw	10	M6 - 1.0 X 16
19	22747323	Resistor	1	

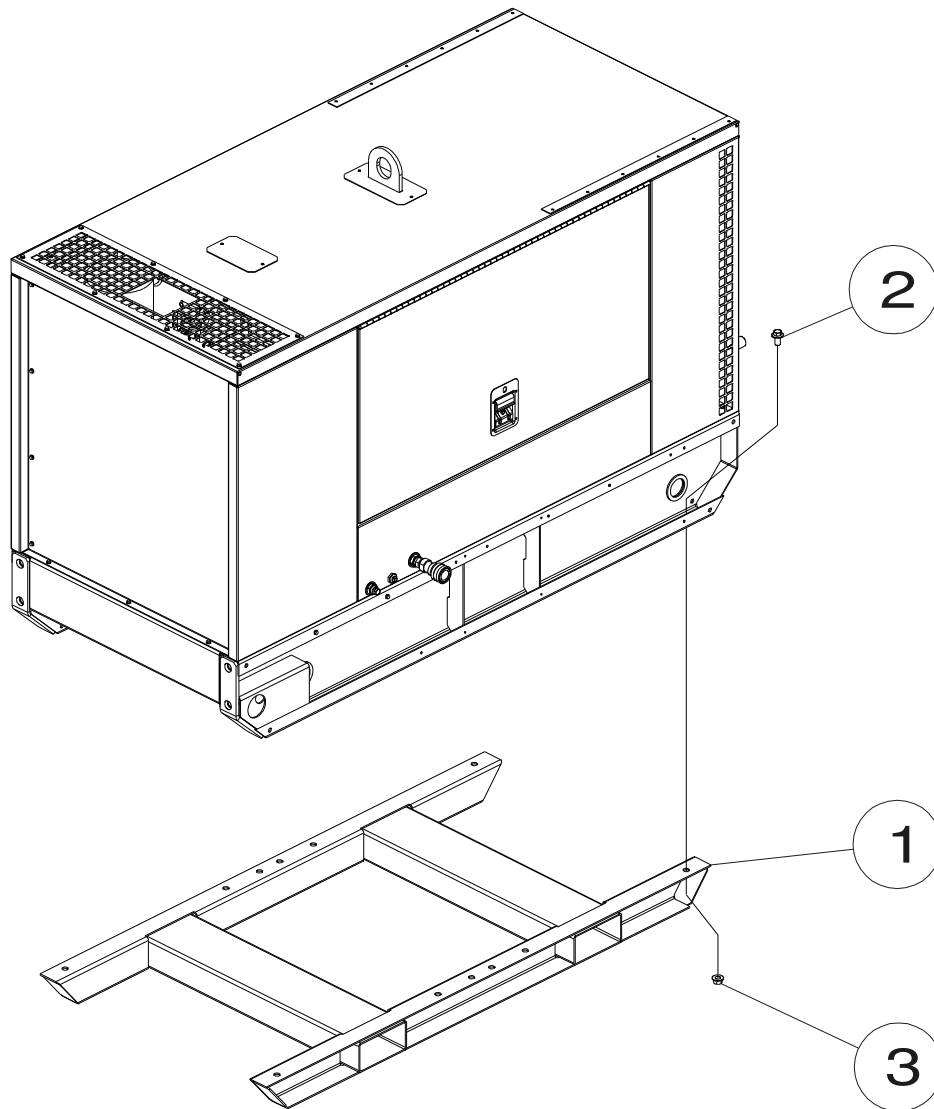
Decal Location



22957138_079_06/08_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	93171254	Decal, Diesel Fuel	1	Place Near Switch
2	23047566	Decal, No Water	2	
3	92867449	Decal, Refer to Manual	1	
4	92930593	Decal, Hazardous Voltage	1	
5	93171262	Decal, Lift Point	2	
6	95912559	Decal, Earth Warning	1	
7	23047608	Decal, No Flame	1	
8	23047582	Decal, Crush Hazard	2	
9	54642327	Decal, Battery Disconnect (Not Shown)	1	
10	23047624	Decal, Coolant Level	1	
11	NSS	Decal	1	
12	22762512	Decal, Powersource	2	
13	23035041	Decal, Model Number	2	
14	NSS	Decal	2	
15	NSS	Decal	1	
16	NSS	Decal	1	
17	23250756	Data plate 50Hz (Not Shown)	1	
18	36794816	Rivet (Not Shown)	2	
19	23054182	Decal, 94dB Sound Power (Not Shown)	2	

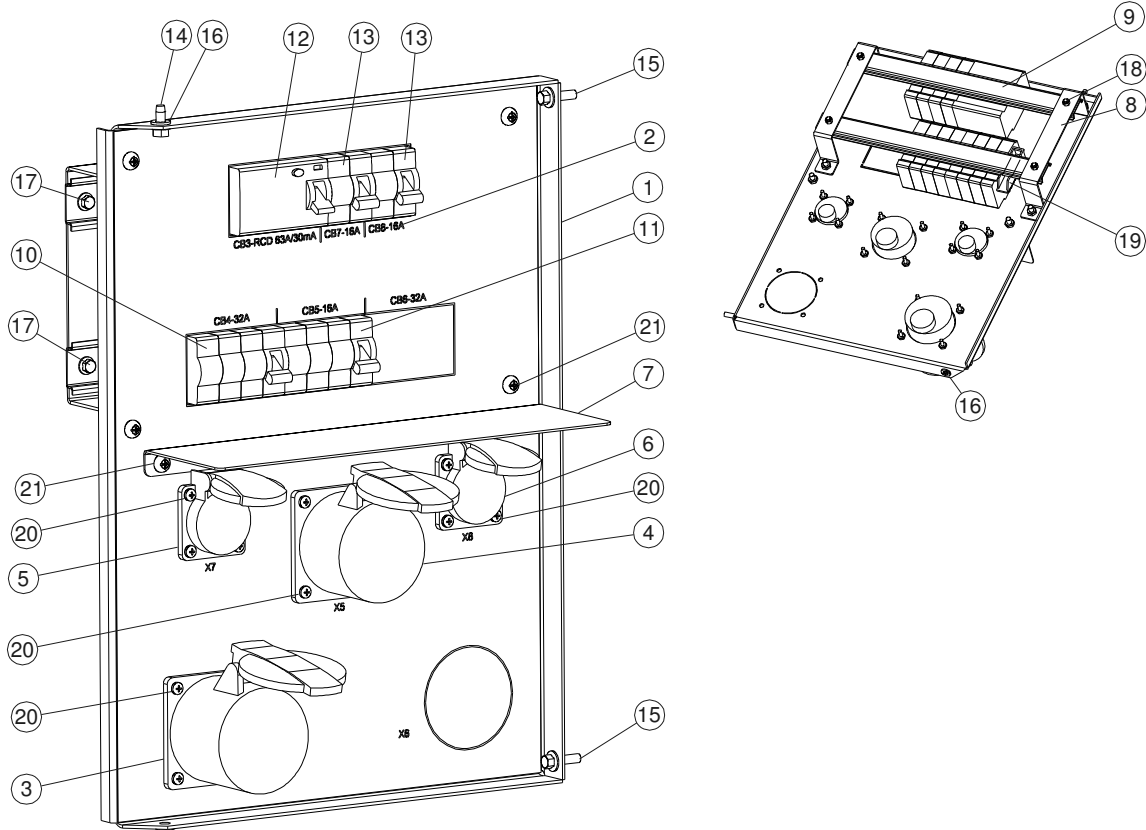
Forklift Skid Option



22957138_079_06/08_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22724165	Skid, Forklift	1	
2	96747142	Screw	8	M16 - 2.0 X 30
3	36879211	Nut	8	M16 - 2.0

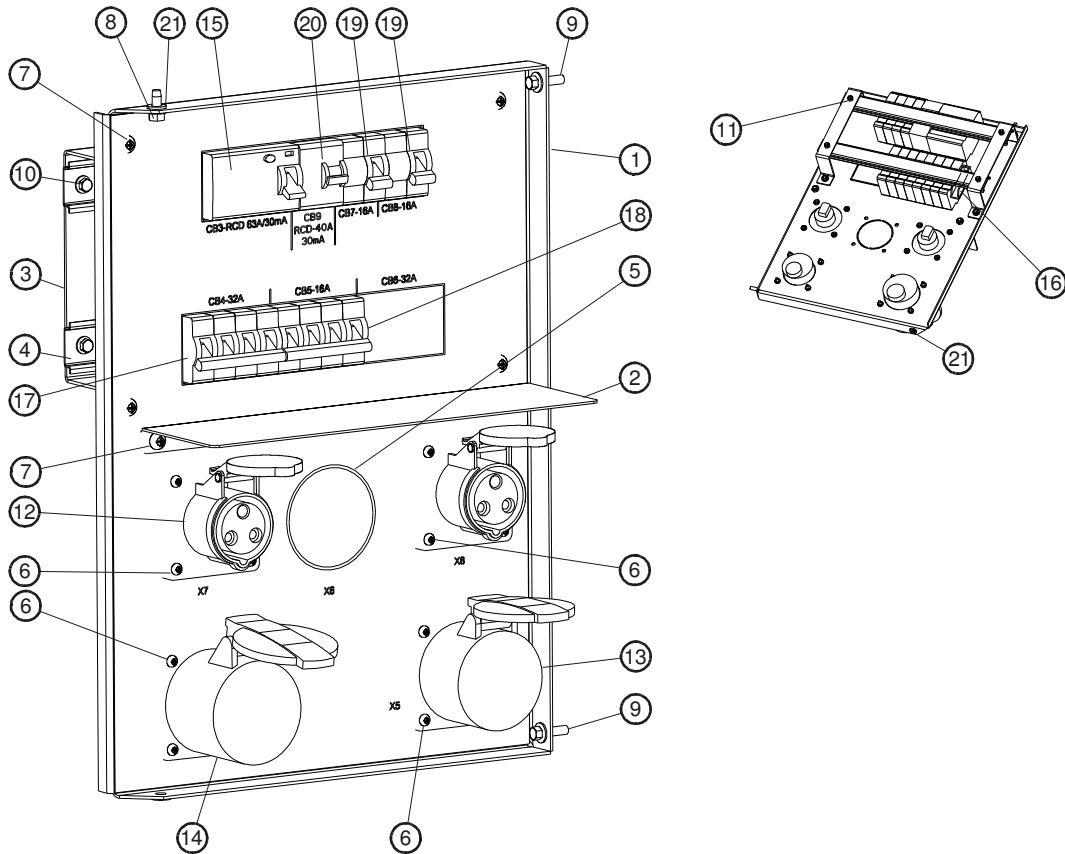
CE Light Socket Option



23078215_031_04/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22641211	Recptacles Base	1	
2	23031305	Decal, Socket	1	
3	22650469	Socket, 32A, 400V	1	
4	22650444	Socket, 16A, 400V	1	
5	22650451	Socket, 16A, 230V	1	
6	22681373	Socket, 16A, 230V	1	
7	22663918	Shroud	1	
8	22658967	Holder	2	
9	22734867	Rail, Din	2	
10	22774533	Circuit Breaker	1	
11	22681431	Circuit Breaker	1	
12	22656870	RCD Breaker	1	
13	22681449	Circuit Breaker	1	
14	92368687	Screw	1	M6 - 1.0 X 14
15	36898096	Screw	2	M6 - 1.0 X 20
16	92042241	Washer	2	M7
17	96750575	Screw	4	M5 - 0.8 X 10
18	92304492	Nut	4	M5 - 0.8
19	22666093	PE Bridge (Not Shown)	1	
20	96720578	Screw	16	M4 - 0.7 X 20
21	22090898	Screw	6	M6 - 1.0 X 16

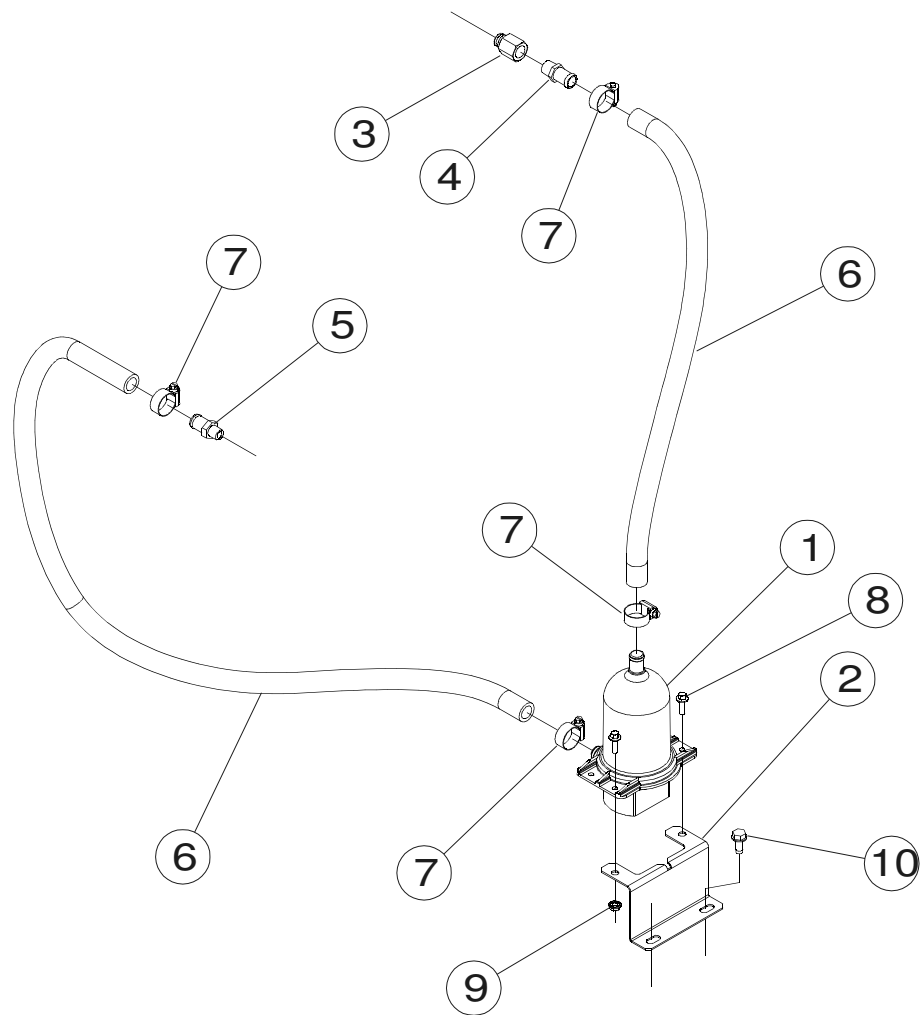
UK Light Socket Option



23078215_031_04/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	23058084	Recptacle Base	1	
2	22663918	Shroud, Breakers	1	
3	22658967	Holder, Breakers	2	
4	22734867	Rail, DIN	2	
5	23058183	Decal, Sockets	1	
6	TBD	Screw	16	M4 - 0.7 X 16
7	TBD	Screw	6	M6 - 1.0 X 10
8	92368687	Screw	1	M6 - 1.0 X 14
9	36898096	Screw	2	M6 - 1.0 X 20
10	96750575	Screw	4	M5 - 0.8 X 10
11	92304492	Nut	4	M5 - 0.8
12	23059637	Socket, 16A, 110V	2	
13	22650444	Socket, 16A, 400V	1	
14	22650469	Socket, 32A, 400V	1	
15	22656870	Breaker, RCD	1	
16	22666093	PE Bridge (Not Shown)	1	
17	22681423	Circuit Breaker	1	
18	22681431	Circuit Breaker	1	
19	22681449	Circuit Breaker	2	
20	23057896	Breaker, RCD	1	
21	92042241	Washer	2	M7

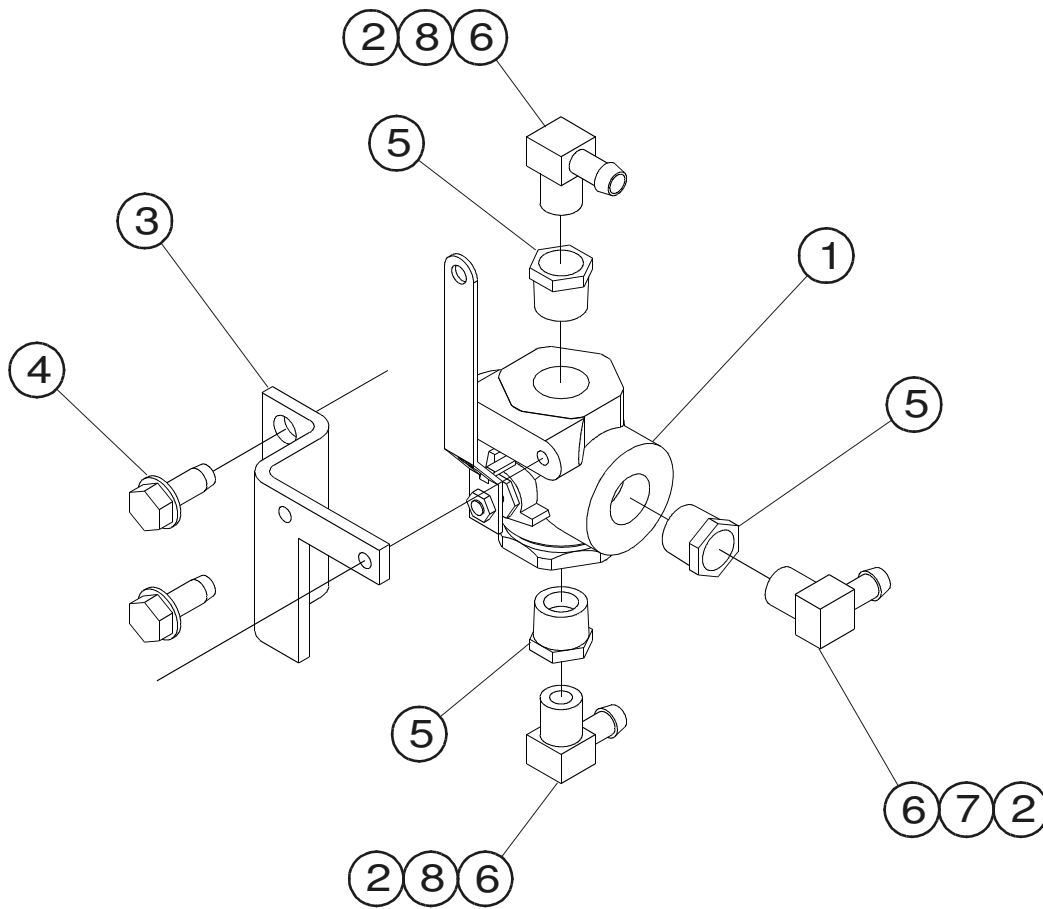
Cold Start Option



23078314_030_06/08_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	23212103	Tank, Heater (120V)	1	60" total
1	23212145	Tank, Heater (240V)	1	
2	22811806	Bracket, Heater Tank	1	
3	22382287	Adapter	1	
4	54577770	Adapter	1	
5	54618111	Adapter	1	
6	35326578	Hose, Heater	2	
7	95220844	Clamp	4	
8	36898096	Screw	2	
9	96737564	Nut	2	
10	22959936	Screw, Tapping	2	

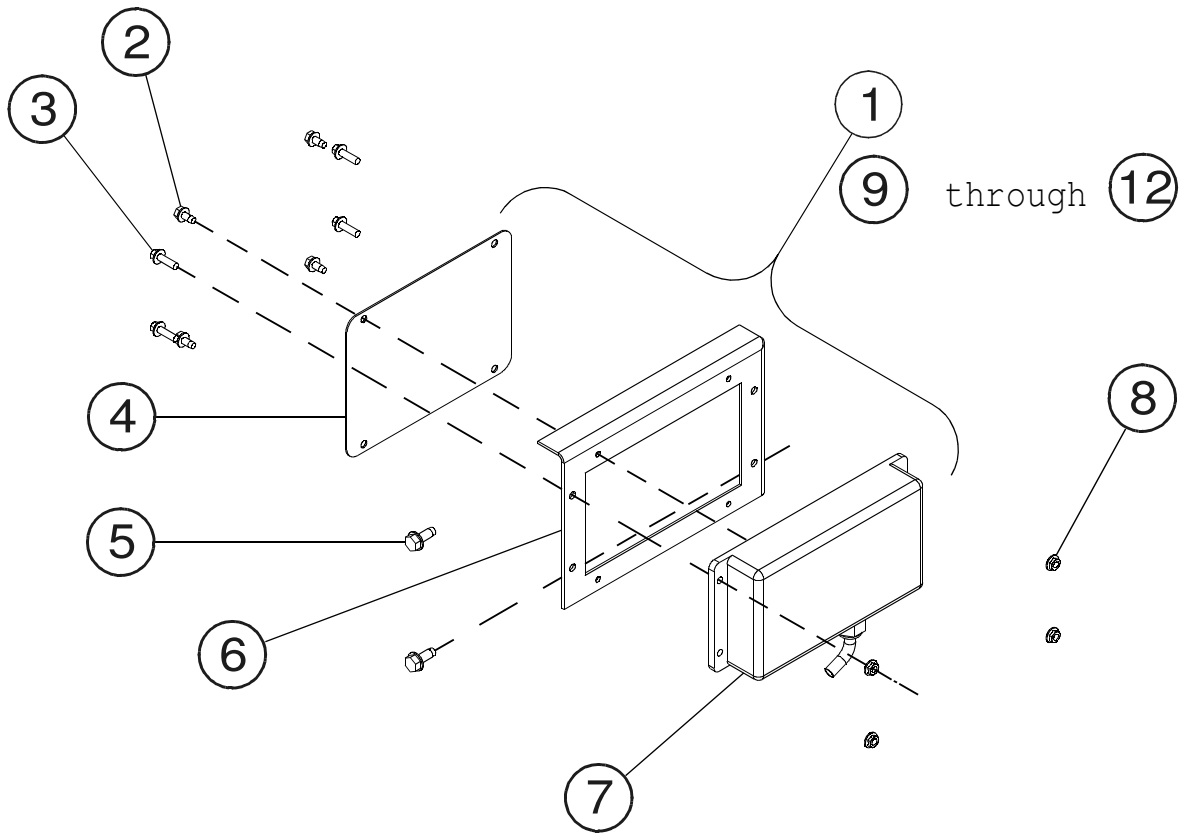
3-Way Fuel Valve Option



23078314_030_06/08_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22208649	Valve, 3 Way Fuel	1	M8 - 1.25 X 20 24" 18"
2	35296342	Clamp	6	
3	22496111	Bracket, Valve	1	
4	35279025	Screw	2	
5	95940748	Bushing	2	
6	35378538	Elbow, 90 deg.	3	
7	35363498	Hose	1	
8	35363498	Hose	2	

Electronic Speed Controller



22636807_07/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	23039886	Kit, Speed Governor	1	
2	36797652	Screw, Tapping M06-1.0 X 12	4	
3	36898096	Screw, Hex Flange M06-1.0 X 20	4	
4	23033137	Plate, Adjustment	1	Included in Item 1
5	35279025	Screw, Tapping M8-1.25 X 20	2	
6	23031594	Bracket, Governor	1	Included in Item 1
7	23031586	Controller, Speed	1	Included in Item 1
8	36898104	Nut, Hex Flange M06-1.0	4	
9	23039878	Kit, Install E-38 (not Shown)	1	Included in Item 1
10	23039852	Pick-up, Magnetic (not Shown)	1	Included in Item 1
11	23039845	Kit, Linkage (not Shown)	1	Included in Item 1
12	23039837	Actuator, SV (not Shown)	1	Included in Item 1
13	23034829	Manual, Installation (not Shown)	1	Included in Item 1

Recommended Spares & Service Kits

	CLASS 1: RECOMMENDED MAINTENANCE AND REPAIR ITEMS 89311716 Oil Protec 15W40 85426823 Fuel Filter Primary 54525530 Fuel Water Separator Filter 85426831 Oil Filter 35393685 Air Filter Element 22803316 Upper Radiator Hose 22803324 Lower Radiator Hose 22712459 Cap, Radiator 22801716 Fan Belt 54757935 Oil Pressure Switch 22554224 Water Temperature Switch 23192214 Solenoid Assembly 85400281 Thermostat 85400174 Rocker Cover Gasket 22503692 Emergency Stop Switch 44000404 Maintenance Kit - Without Fluids 250 Hr. 44000412 Maintenance Kit - Without Fluids 500 Hr. CLASS 2: PARTS REQUIRED TO PREVENT EXTENDED DOWNTIME IN REMOTE LOCATIONS 85400463 Nozzle Assembly (Injector) 85621548 Starter 85621530 Charging Alternator 22712392 Water Pump 85400612 Glow Plug 22757348 AC Alternator Assembly 85626968 Fuse Voltage Regulator 85402451 Automatic Voltage Regulator 85425882 Bearing 85425858 Diode Bridge 85425866 Surge Suppressor 22980122 Tie Rods 22778013 Autostart Controller, ASSC 22762231 Voltage Adjust Potentiometer R2 1000 ohm 22579213 Fuel Sender U1 22672547 Frequency Meter M4 22672471 AC Voltmeter M5 22672539 Ammeter M6 22980049 Stud Terminal Block 22980072 Stud Nuts 23143191 Trip Relay, CB1-ST 22780985 Hour Meter M1	20L	
			Continued.....

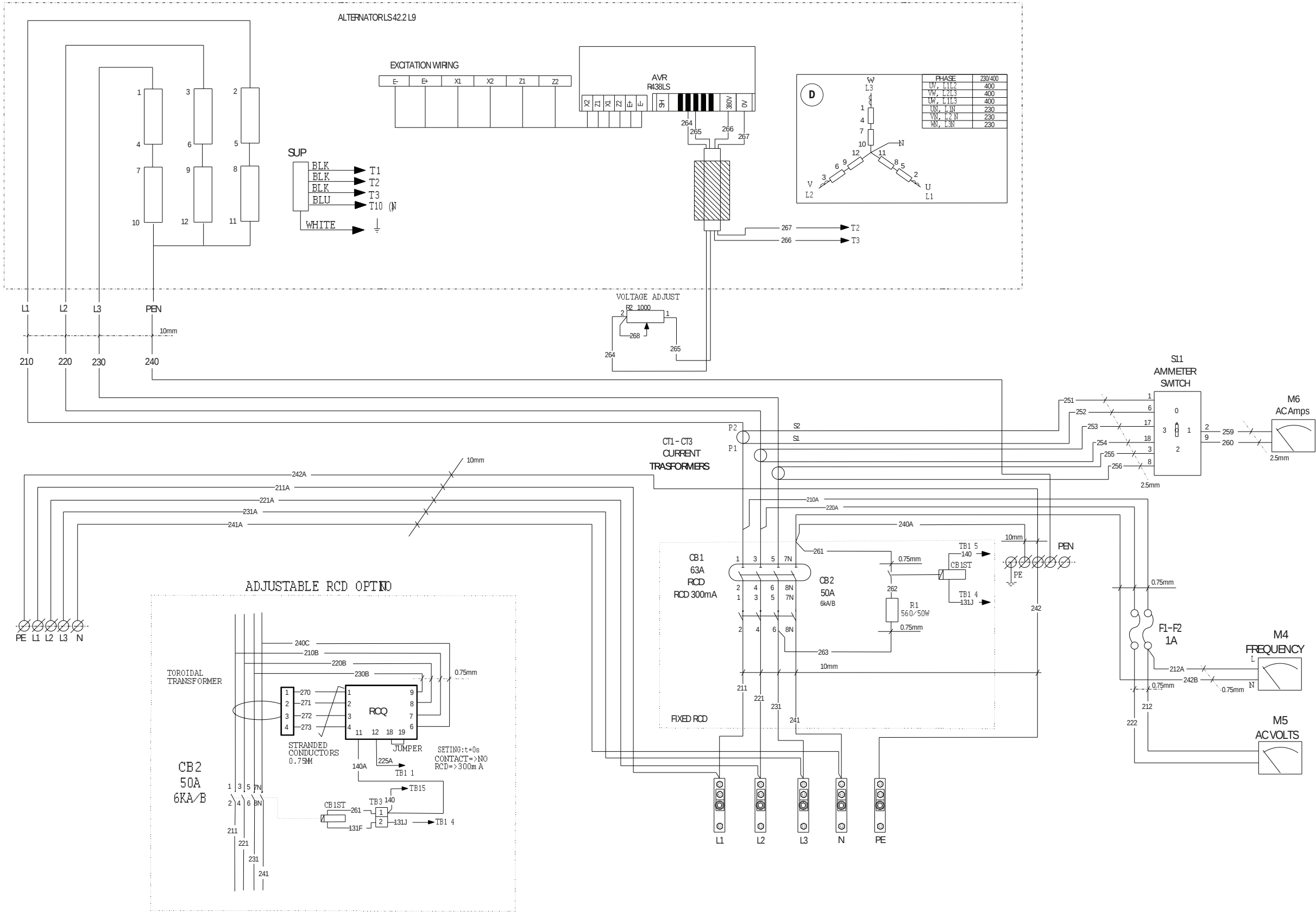
Recommended Spares & Service Kits

		CLASS 2: PARTS REQUIRED TO PREVENT EXTENDED DOWNTIME IN REMOTE LOCATIONS 22748602 Breaker, CB1 22681969 Breaker, CB2 22511505 Starter Relay K1 22511505 Heater Relay K2 54368048 Fuel Relay, K3 23161466 Fuse F1, F2, 1 Amp 36793651 Fuse, F4, 25 Amp 22617526 Fuse, F5, 5 Amp 23189319 Alarm, 12V, DS2		 <i>Continued</i>



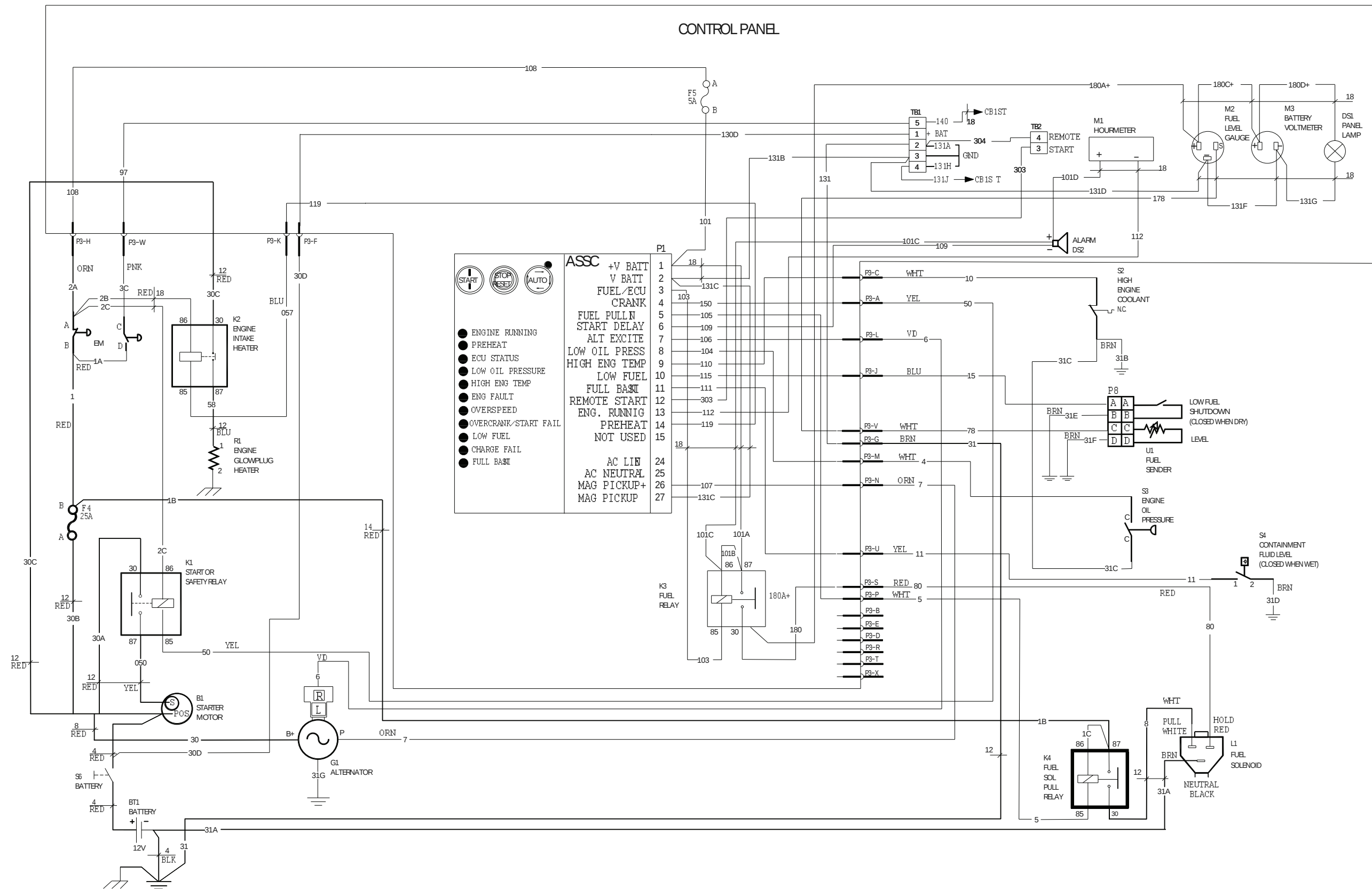
Wiring Diagrams

AC Wiring Diagram - Analog



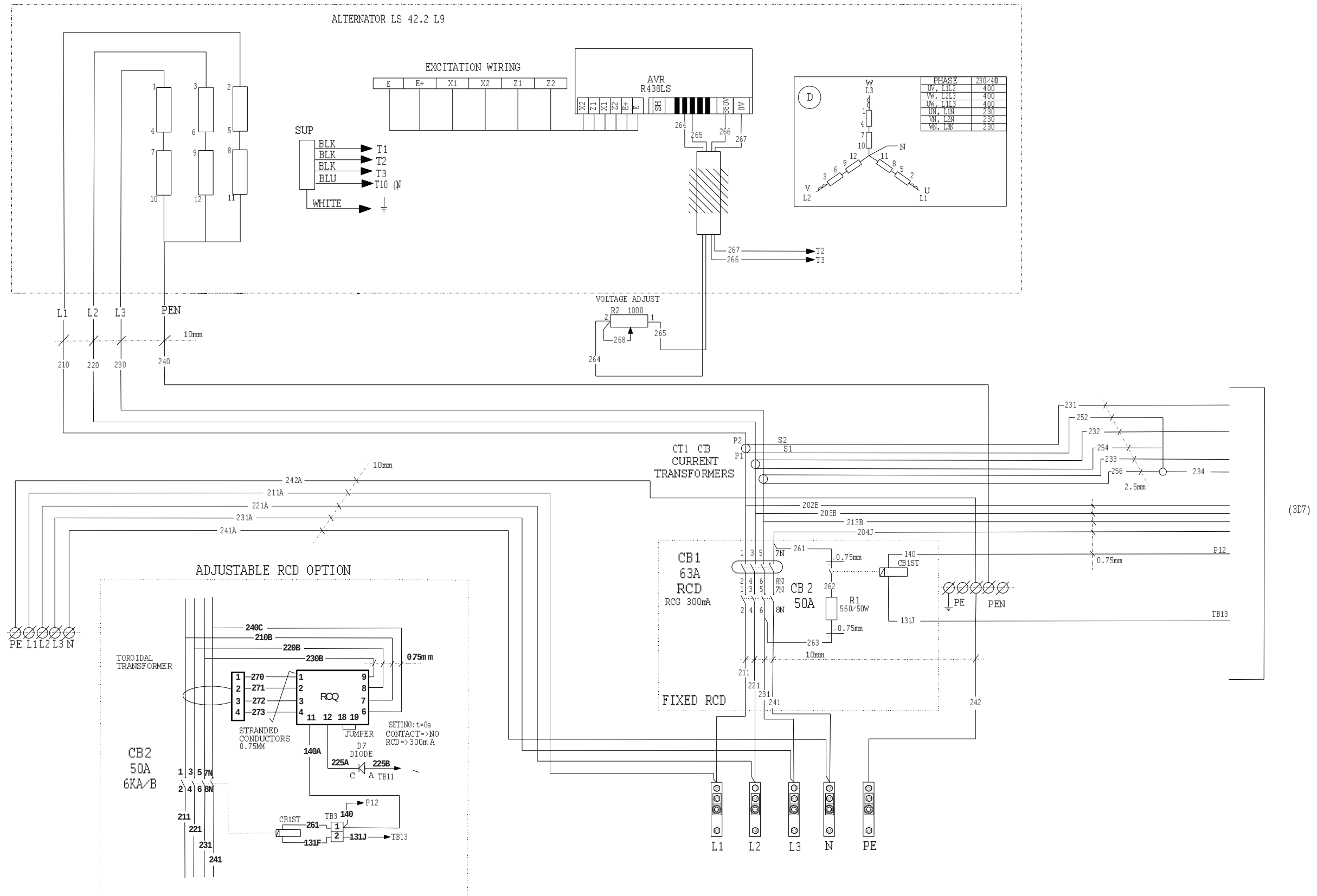
23078330_085_02/06_A

DC Wiring Diagram - Analog



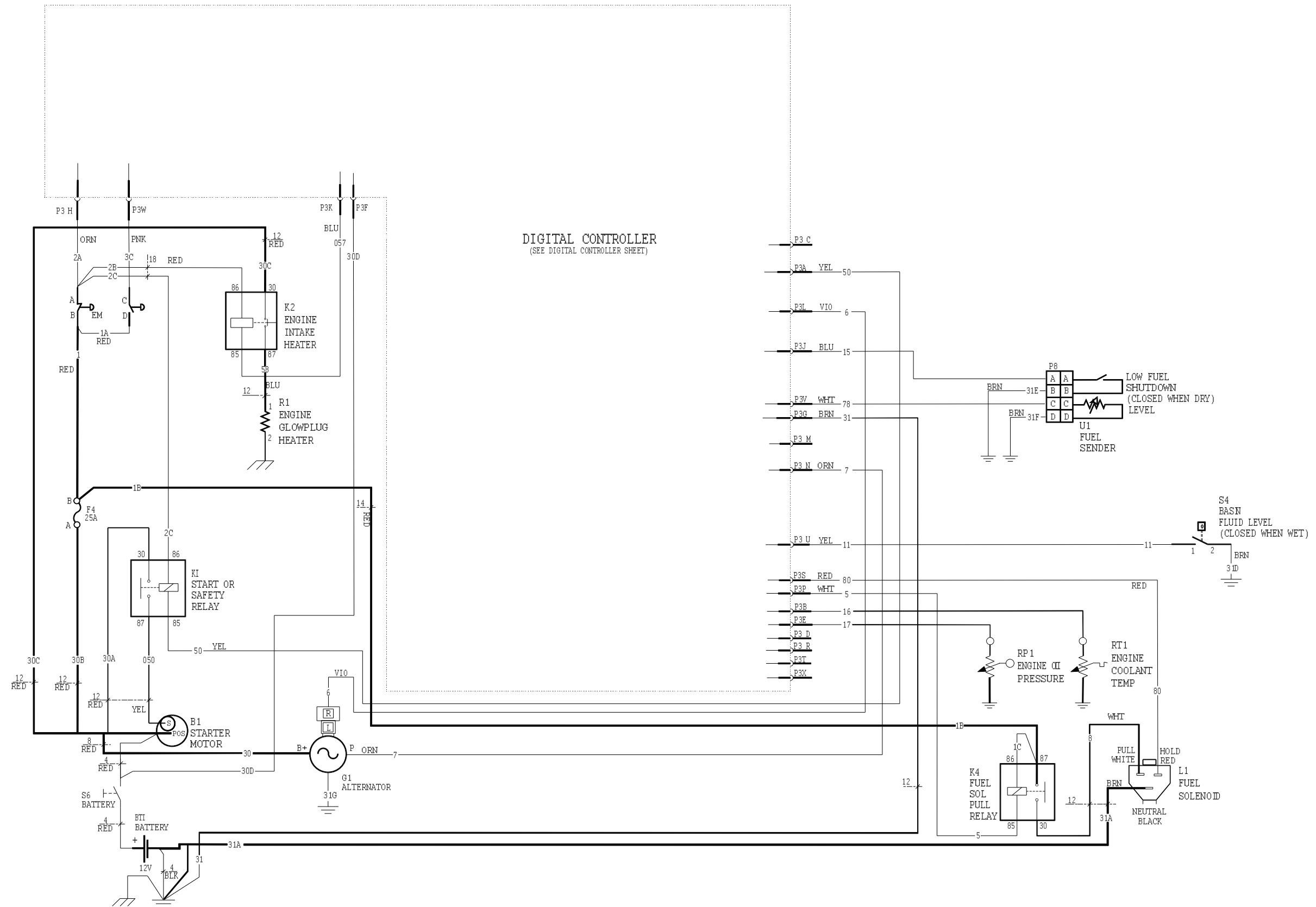
23078330_086_02/06_A

AC Wiring Diagram - Digital



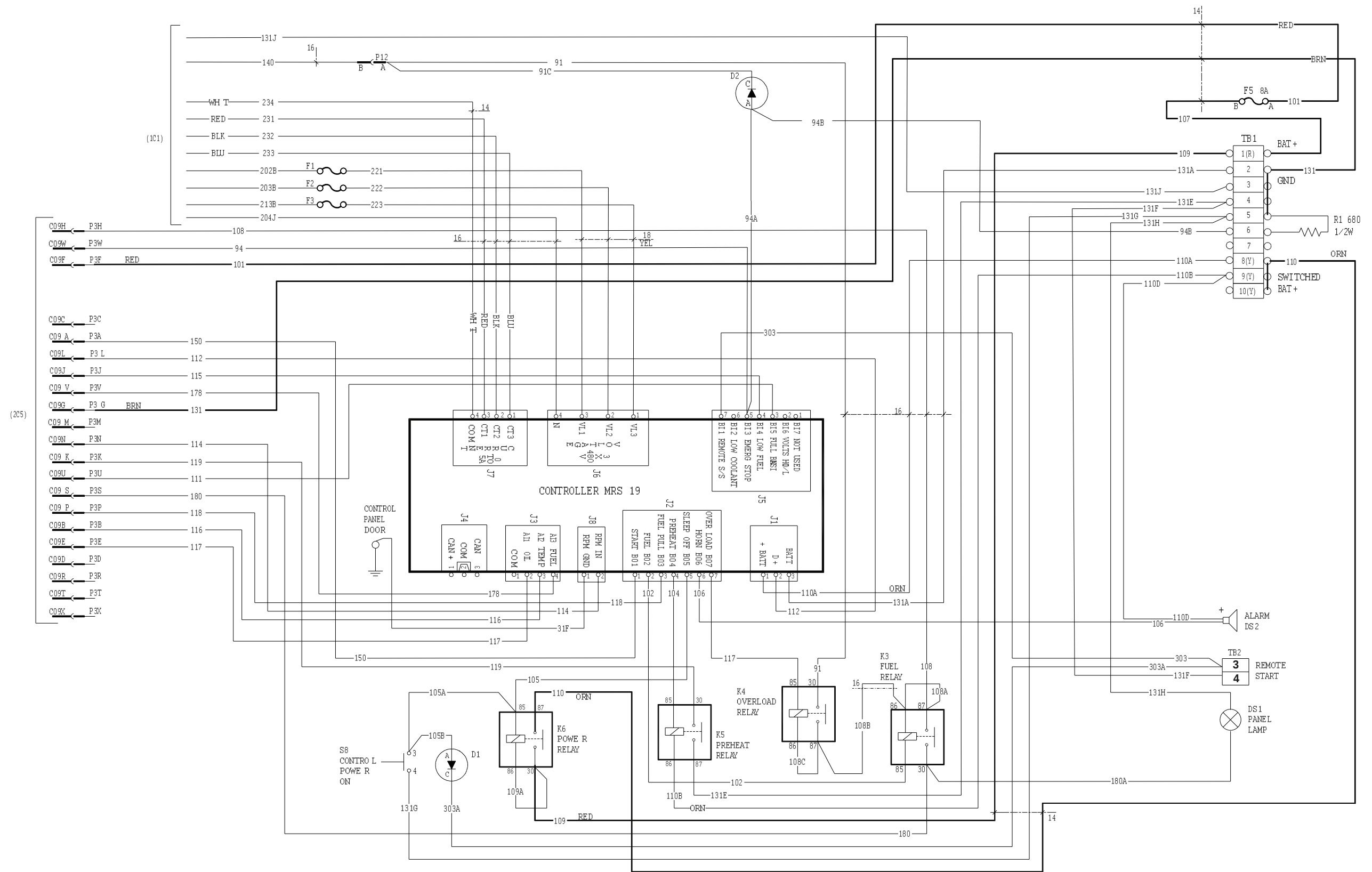
23078330_085_02/06_A

DC Wiring Diagram - Digital



23078330_086_02/06_A

DC Wiring Diagram - Digital Controller



23078330_086_02/06_A

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