



Parts Manual

Generator Set

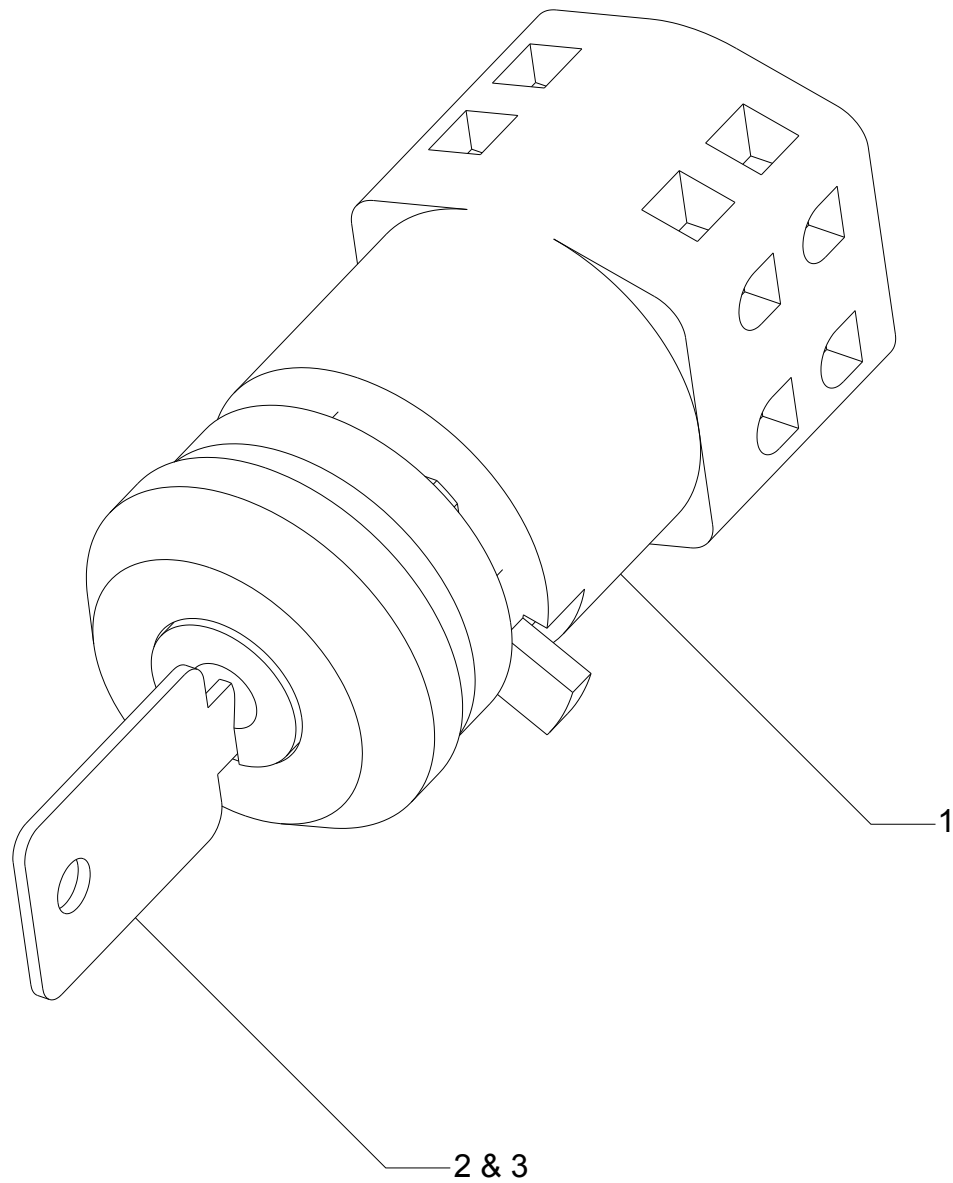
4BTA3.9G1 Engine with PCC1301 Control

C80 D5

Disclaimer: The information contained within this manual is for a standard generator set. Some options are included for reference. To ensure the correct part is identified (and ordered) use the generator set serial number to obtain the bill of materials (BOM) specific to the generator set as a reference. Inline with Cummins Power Generation policy of continuous improvement, information is subject to change without notification.

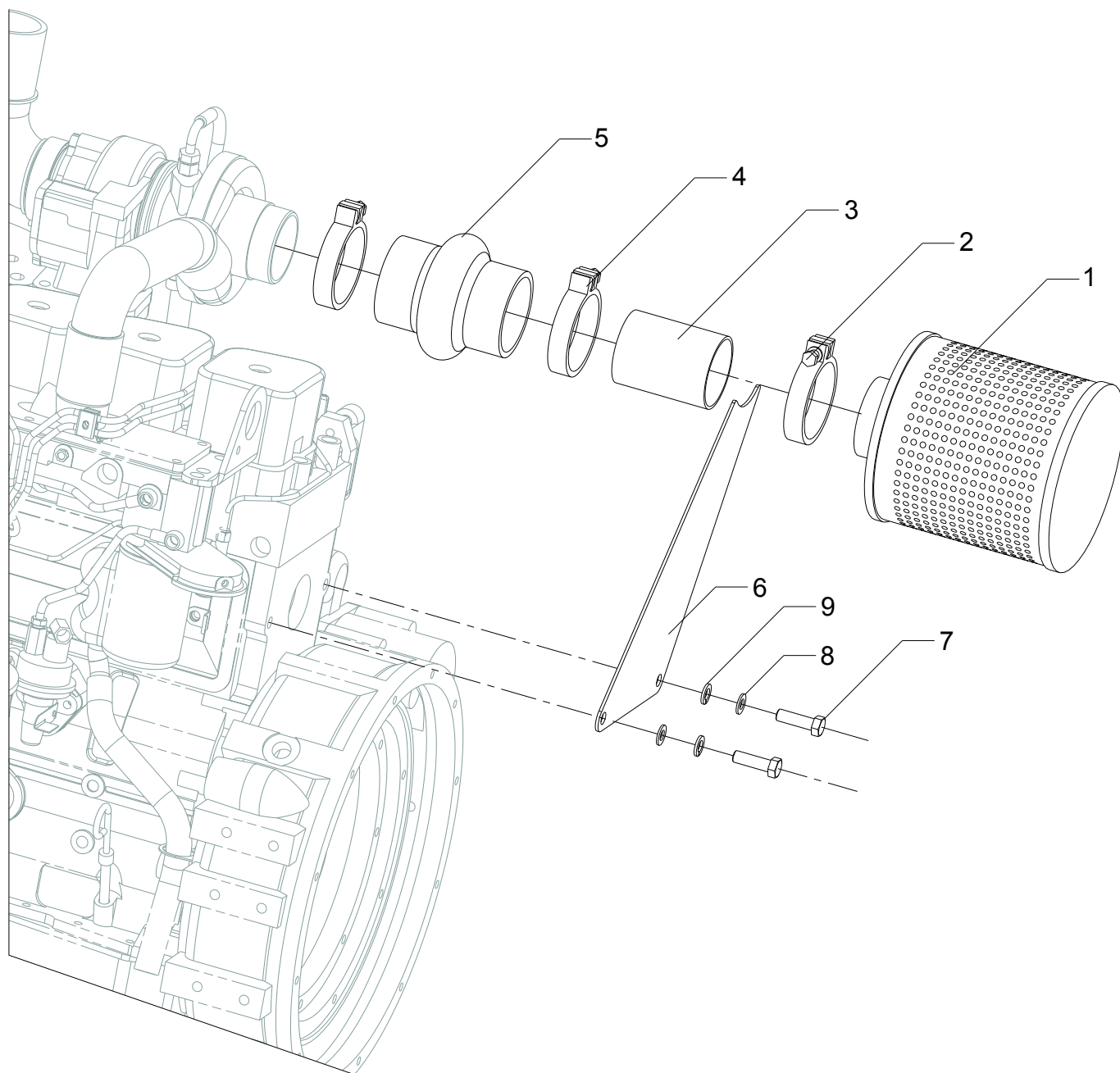
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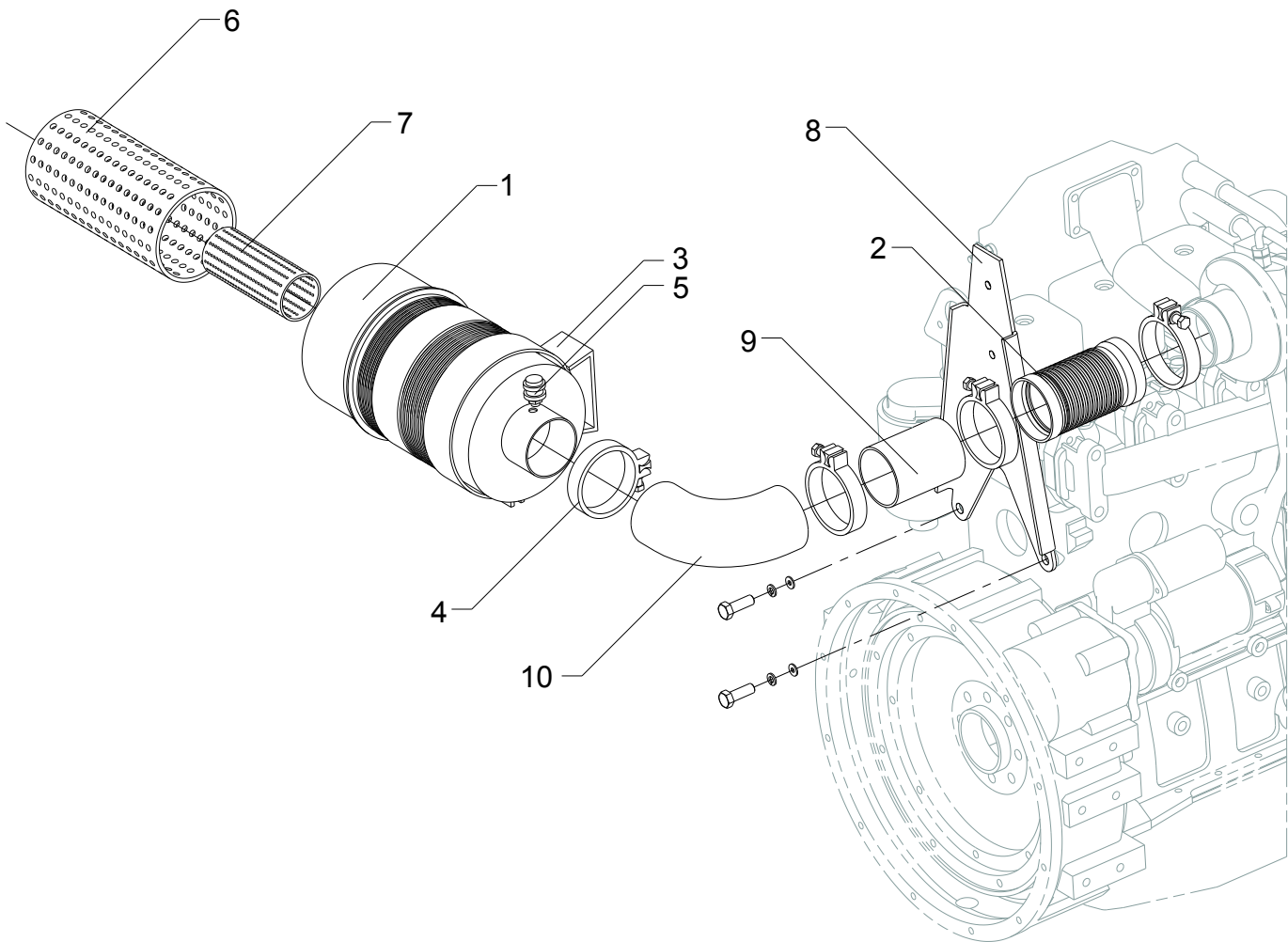
Actuator Instl.

Item No	Part Number	Description	Qty.
1	0308-1085	Switch Selector	1
2	0308-1045	Switch - Key Operator	1
3	0308-1046	Key Spare	1



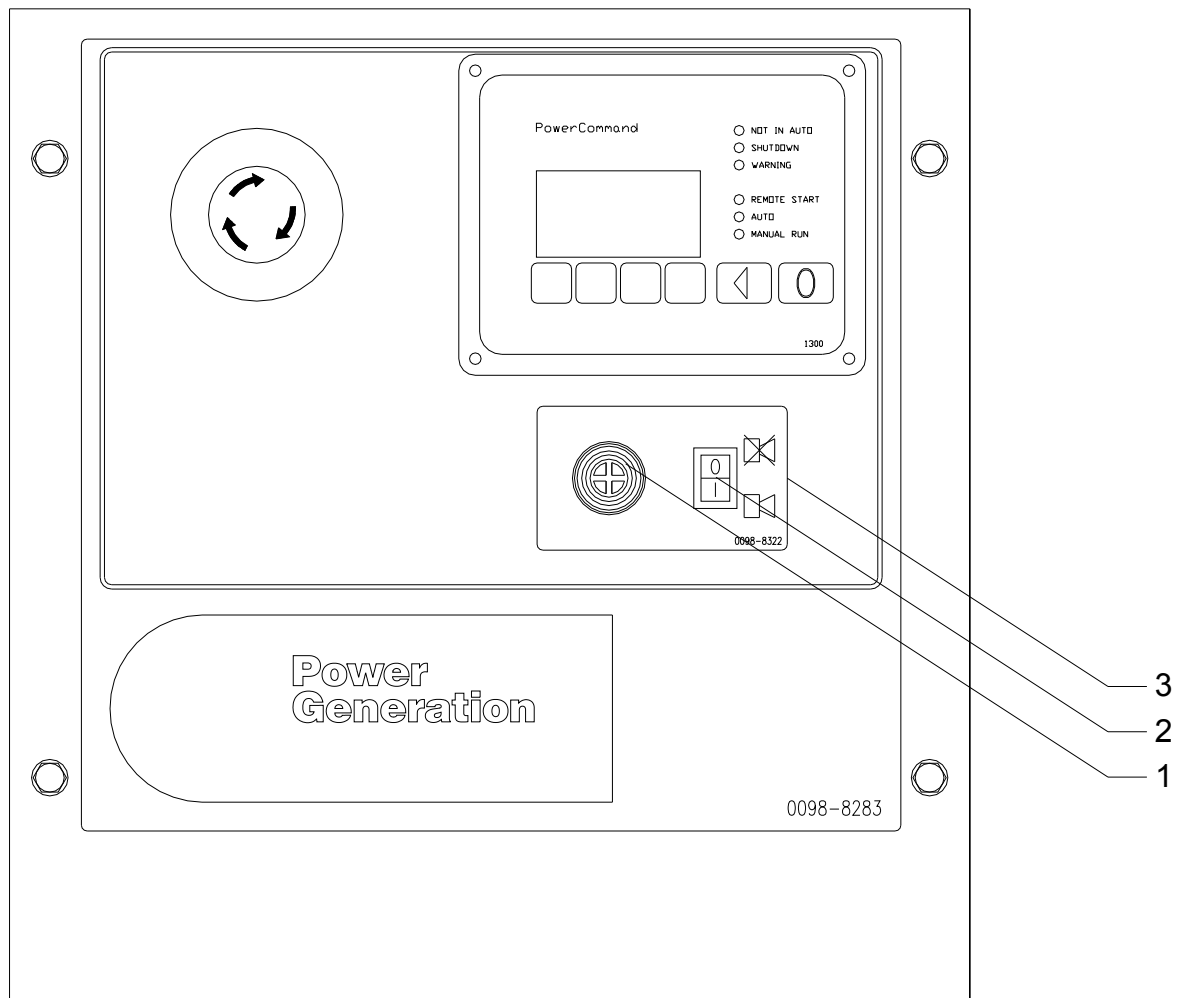
Air Cleaner Instl. (Normal Duty)

Item No.	Part Number	Description	Qty.
1	0140-3550	Air Cleaner Element	1
2	0140-3639	Clamp	1
3	0140-3552	Tube	1
4	0140-3551	Clamp	2
5	0503-2462	Hose	1
6	0140-3566	Bracket	1
7	0800-2111	Screw (M12 X 25)	2
8	0850-0114-56	Washer - Lock (M12)	2
9	0526-0399-64	Washer - Flat (M12)	2



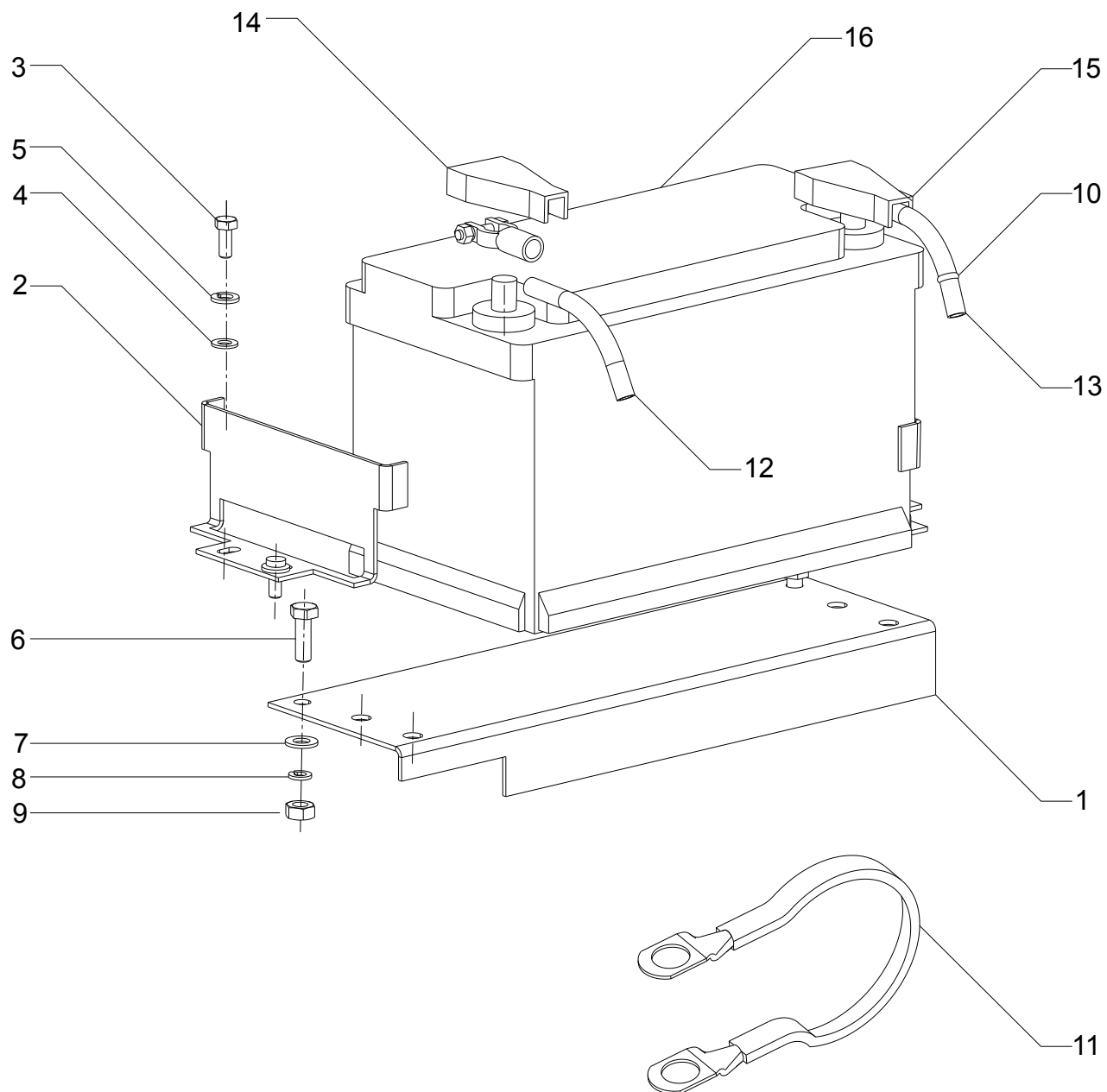
Air Cleaner Instl (Heavy Duty)

Item No	Part Number	Description	Qty
1	0140-3553	Air Cleaner (Heavy Duty)	1
2	0503-2466	Hose - Air	1
3	0140-3555	Band - Air Cleaner	1
4	0140-3554	Clamp - Air Cleaner	4
5	0140-3556	Indicator Service	1
6	0140-3590	Element Air Cleaner	1
7	0140-3880	Element Air Cleaner (Safety)	1
8	0140-3585-02	Bracket Air cleaner	1
9	0140-3552	Tube Aluminium	1
10	0503-2542	Elbow - Hose	1



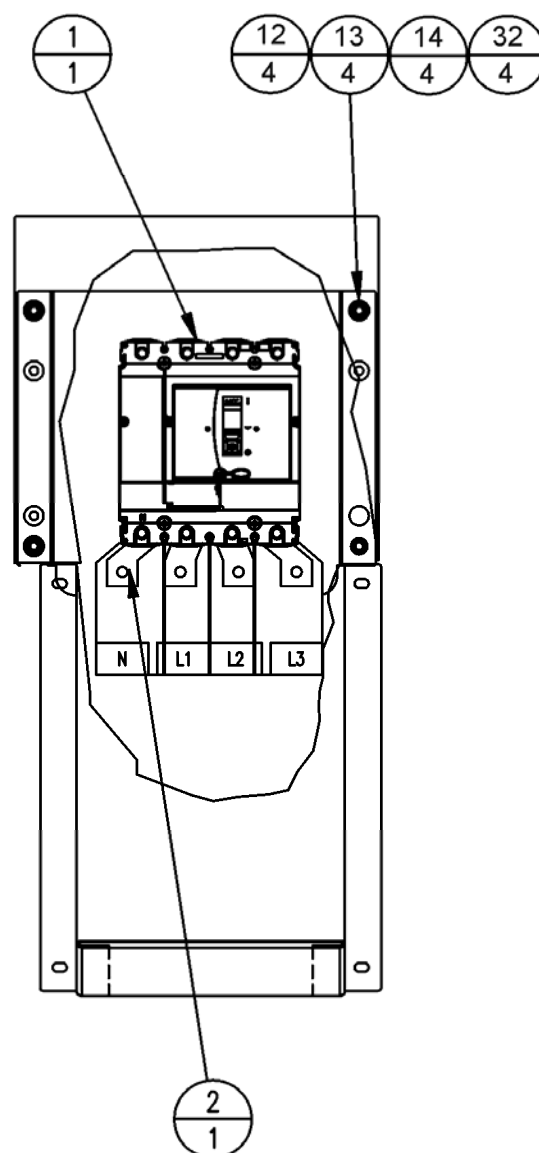
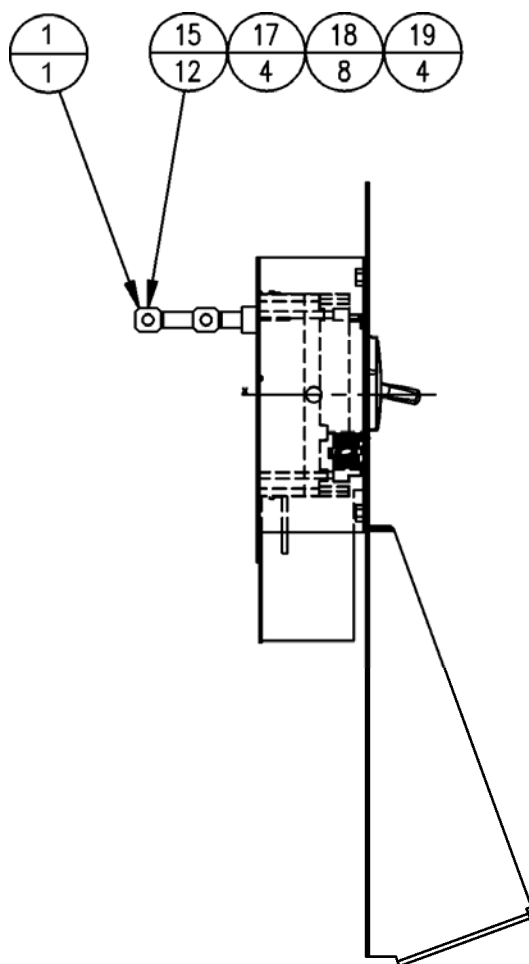
Alarm Instl.

Item No	Part Number	Description	Qty.
1	0300-5937	Module Alarm	1
2	0308-1191	Switch Rocker	1
3	0098-8322	Lable Information	1



Battery Tray Instl.

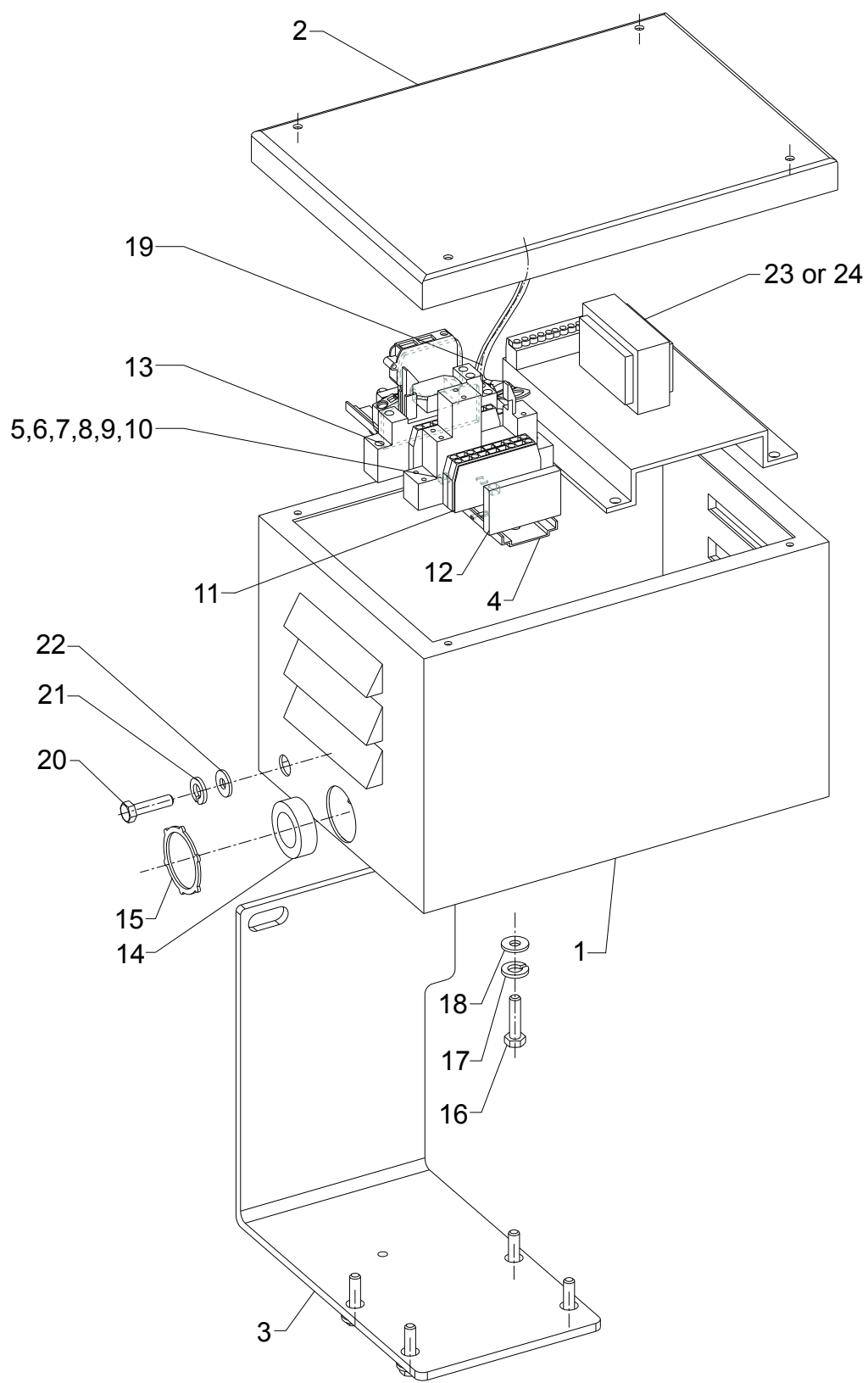
Item No	Part Number	Description	Qty.
1	0416-1210-02	Tray - Battery	1
2	0416-1211-02	Clamp - Battery	2
3	0800-3017-19	Screw-Hex Head (M8 X 20)	4
4	0526-0399-60	Washer - Flat (M8)	4
5	0850-0114-54	Washer - Lock (M8)	4
6	0800-3017-38	Screw - Hex Head (M10 X 30)	2
7	0526-0399-62	Washer - Flat (M10)	4
8	0850-0114-55	Washer - Lock (M10)	2
9	0862-0026-56	Nut - Hex (M10)	2
10	0332-1389	Tie - Cable	2
11	0226-4913	Lead - Starter Motor Ground	1
12	0416-1216	Cable - Battery -Ve	1
13	0416-1166	Cable - Battery +Ve	1
14	0416-1019	Boot - Battery	1
15	0416-1020	Boot - Battery	1
16	0416-1208	Battery	1



Circuit Breaker Instl.

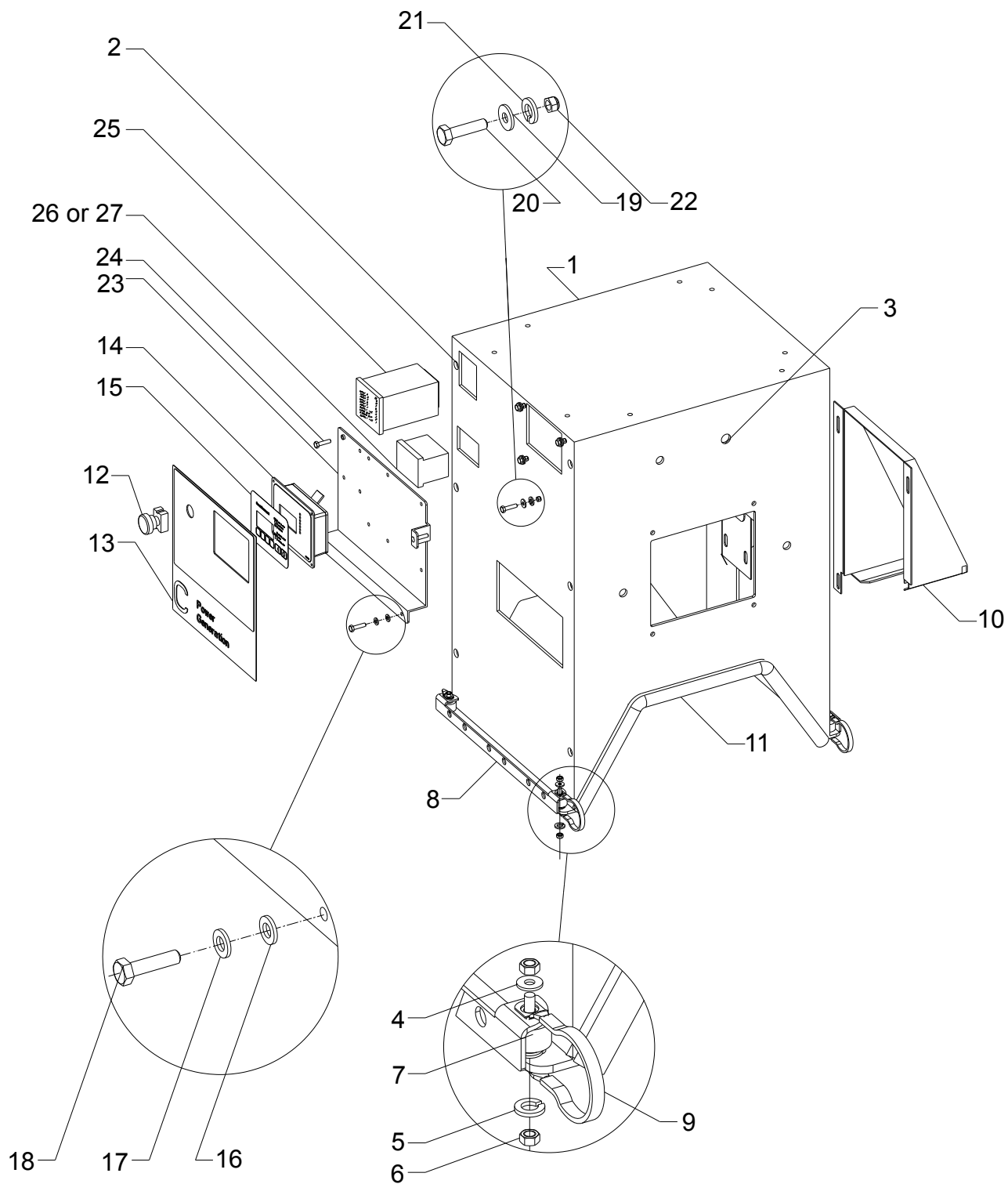
item No.	part no	description	qty
1	0179-3589-02	*Circuit Breaker (4 P0LE)	1
1	0179-3598-03	*Circuit Breaker (3 P0LE)	1
1	0179-3598-04	*Circuit Breaker (4 P0LE)	1
2	0320-2156-06	Terminal Spreader	1
3	0320-2156-08	Insulation Screen	1
4	0320-2156-11	Four Pole Connector	1
6	0319-5245-02	Bracket	1
7	0319-5247-03	Circuit Breaker Cover	1
9	0319-5249-03	Circuit Breaker Gland Cover	1
10	0337-3583-05	Electrical Strap	1
12	0526-0399-58	Flat washer	8
13	0800-3017-03	Hex Head Screw	8
14	0850-0114-53	Lock Washer	8
15	0526-0399-60	Flat Washer	12
16	0800-3017-19	Hex Head Screw	4
17	0800-3017-20	Hex Head Screw	4
18	0850-0114-54	Lock Washer	8
19	0862-0026-55	Hex Nut	4
27	0098-2304	Warning Label	1
28	0098-8213-01	Label	1
29	0098-8213-02	Label	1
30	0098-8213-03	Label	1
31	0098-8213-04	Information Label	1
32	0853-0040-54	Lock Washer	4
33	0508-1201	Grommet	1
34	A030H963	Phase Barrier	3

.NOTE: *Denotes the circuit breaker used in specific application.



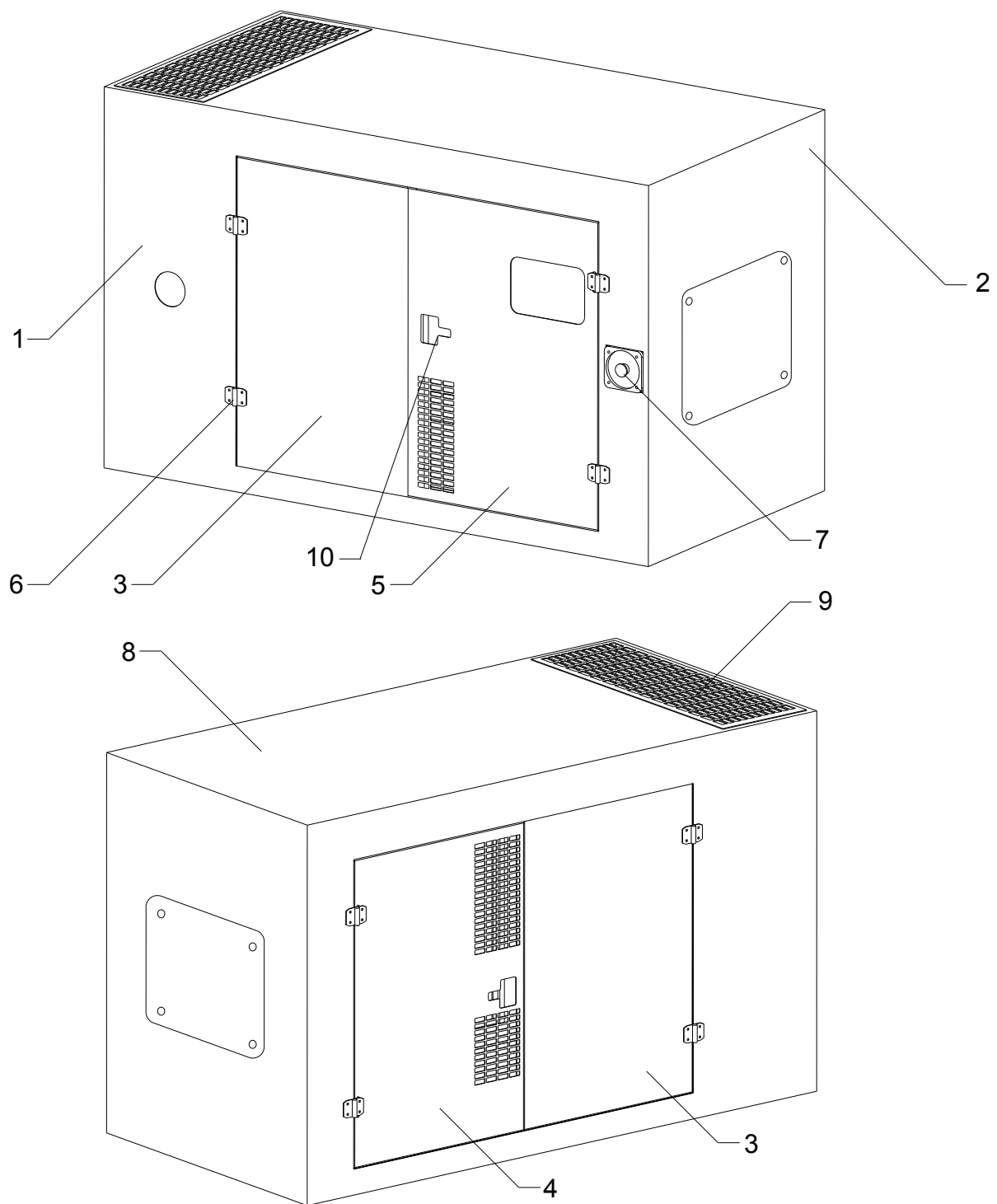
Control Assy. - Heaters

Item No	Part Number	Description	Qty.
1	0319-5507-02	Base - Control Box	1
2	0319-5509-02	Cover - Control	1
3	0319-5508-02	Bracket - Control	1
4	0332-2879-01	Rail - Terminal(X 170mm LG)	1
5	0307-3046	Relay - 2P12vG2r2sn	1
6	0249-0814	Relay Base 2P	1
7	0332-4036-02	Terminal Block (Earth)	2
8	0332-3943-02	Jumper-Terminal	2
9	0332-3923-02	Terminal Block	2
10	0332-3925-01	Jumper - Terminal	2
11	0332-3927-02	Terminal Block (End Plate)	2
12	0332-3926	Terminal Block (End Stop)	3
13	0332-3945	Terminal Block (End Plate)	1
14	0331-0586-04	Connector - Conduit	1
15	0331-0618-01	Locknut - Conduit	1
16	0800-0309-88	Screw - Hex Head Cap (M5x12)	6
17	0850-0114-52	Washer-Spring Lock (M5)	6
18	0526-0399-56	Washer - Flat (M5)	6
19	0337-3582-01	Strap - Ground	1
20	0800-3017-03	Screw - Hex Head Cap M6	1
21	0850-0114-53	Washer - Spring Lock (M6)	1
22	0526-0399-59	Washer - Flat (M6)	1
23	0416-1240-02	Battery Charger 240V- 12V System	1
24	0416-1240-04	Battery Charger 120V- 12V System	1
—	0321-0394-02	Fuse - Battery Charger 2A - 240V	1
—	0321-0394-04	Fuse - Engine Heater 5A - 240V	1
—	0321-0394-03	Fuse - Battery Charger 4A - 120V	1
—	0321-0394-08	Fuse - Engine Heater 10A - 120V	1
—	0321-0394-07	Fuse - Alternator Heater 3.15A - 120V	1



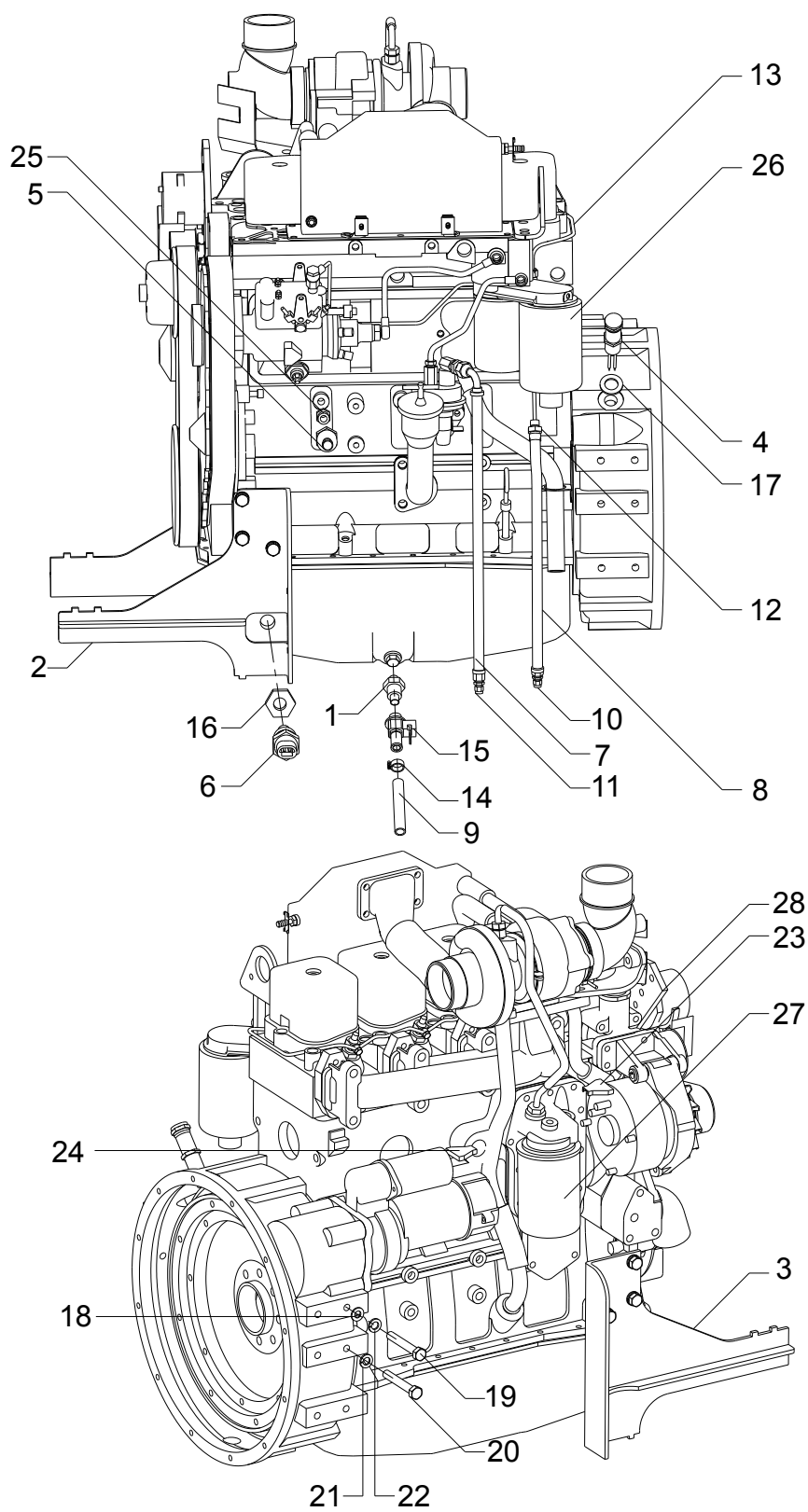
Control Assy. (Housing) - UC224

Item No	Part Number	Description	Qty.
1	0300-6065-01	Panel - Assy.	1
2	0517-0365	Plug - Hole	1
3	0517-0366	Plug - Hole	7
4	0526-2122	Washer - Flat (M10)	20
5	0850-0114-53	Washer - Lock (M6)	8
6	0862-0001	Nut - Hex(1/4")	8
7	0402-0843-03	Isolator - Vibration	4
8	0319-5425-02	Plate - Mounting	2
9	0337-3582-01	Strap Ground	2
10	0319-5417-02	Duct Inlet	1
11	0508-1188	Edging - Seal	1
12	0308-1178	E - Stop Button	1
13	0098-8283	Lable - Logo	1
14	0327-1513-01	Control Assy	1
15	0300-5875	Display	1
16	0526-0399-58	Washer FL (Stl,M6)	9
17	0850-0114-53	Washer LK (Stl,M6)	9
18	0800-3017-05	Screw Hex HD (M6x25)	3
19	0526-0399-52	Washer FL (M3)	4
20	0822-3047	Screw Pan HD Sltd (M3x20)	4
21	0850-2003	Washer Lk (M3)	4
22	0862-0026-51	Nut Hex (M3)	4
23	0319-5618-02	Bracket - Control Panel	1
24	0725-1004	Screw Socket Hd Cap (M6x25)	6
25	0300-6067	Annunciator	1
26	0307-3017-01	Relay - Ground Fault 12V	1
27	0307-3017-02	Relay - Ground Fault 24V	1



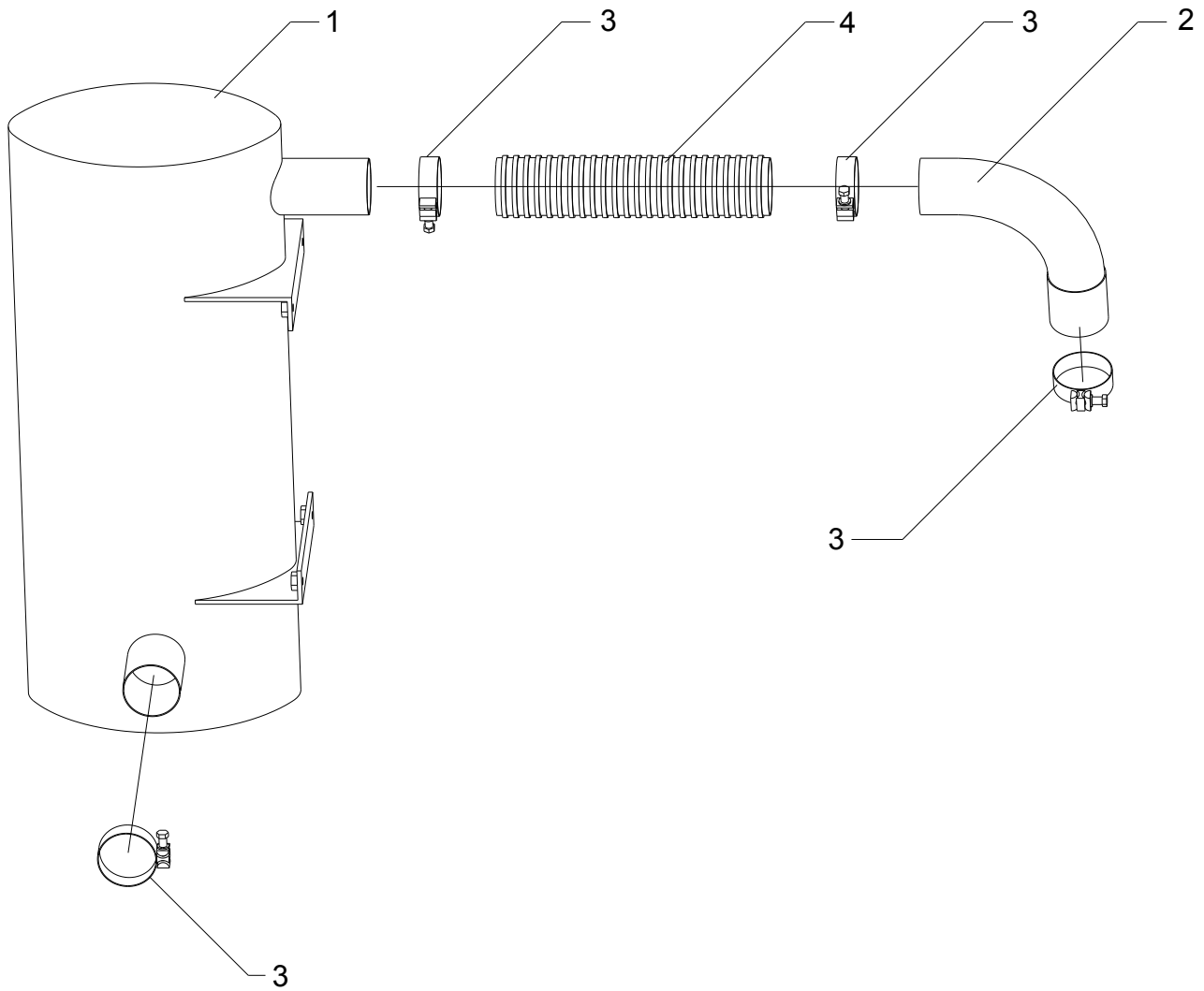
Enclosure Assy.

Item No	Part Number	Description	Qty.
1	0405-7902-02	Panel Duct (Exhaust End)	1
2	0405-7900-02	Panel - Enclosure (Blank)	1
3	0405-7936	Door Enclosure (Assy.)	2
4	0405-7909	Door Acces (Assy.)	1
5	0405-7908	Door Control (Assy.)	1
6	0406-1056	Hinge Ditachable	8
7	0308-1175	Switch - Push Button	1
8	0405-7897-02	Roof Enclosure	1
9	0405-7901-02	Grill Enclosure	1
10	0406-0972-02	Latch	1



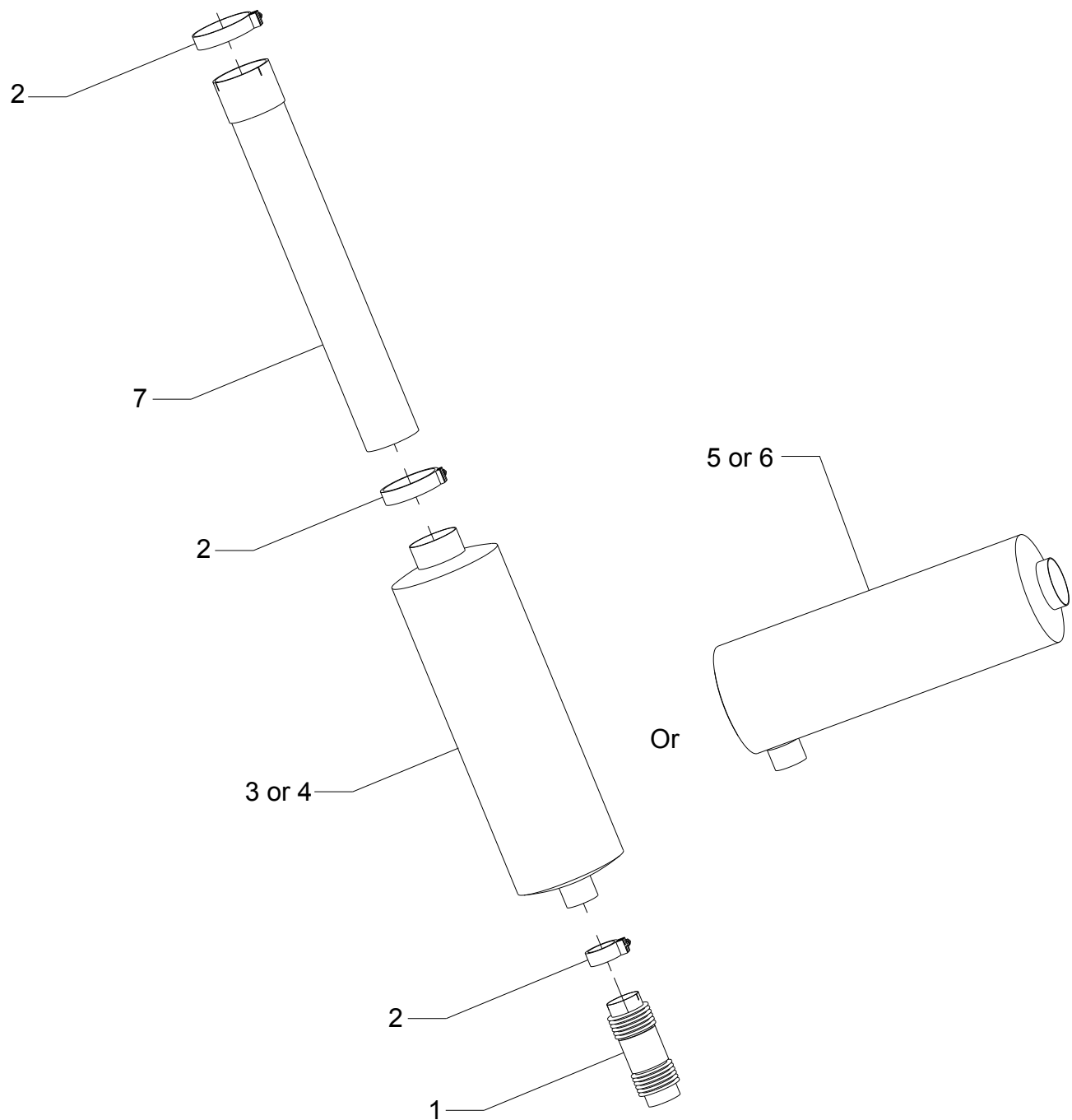
Engine - Accessories

Item No	Part Number	Description	Qty.
1	0102-1448-02	Adapter - Oil Drain	1
2	0130-6023	Bracket - Radiator (L/H)	1
3	0130-6024	Bracket - Radiator (R/H)	1
4	0150-2201	Speed Sensor - Magnetic	1
5	0193-0444	Sender - Oil Pressure	1
6	0193-0529-01	Sensor - Temperature	1
7	0501-0841	Line - Fuel	1
8	0501-0842	Line - Fuel	1
9	0501-0830	Line - Oil (5/8"15.9 Bore)	1
10	0502-1483	Adapter - Hose	1
11	0502-1484	Adapter - Hose	1
12	0502-1485	Union - Hose	1
13	0502-1486	Coupling - Tube	1
14	0503-2467	Clamp - Hose	1
15	0504-0254	Valve - Gate (M18 x 1.5)	1
16	0505-0019	Bushing - Reducer	1
17	0526-0027	Washer - Flat	1
18	0526-2140	Washer - Flat	1
19	0800-2111	Screw - Hex Head	1
20	0800-3017-38	Screw - Hex Head (M10 x 30)	1
21	0850-0114-55	Washer - Lock (M10)	1
22	0856-0013	Washer - Lock	1
23	0332-3984	Boot - Terminal	1
24	0332-3985	Boot - Terminal	1
25	0502-1500	Adapter - Hose	1
26	FS3345	Fuel - Filter	1
27	LF1251	Oil - Filter	1
28	0100-3769-09	Engine - Diesel (3.9l)4bta3.9g1	1



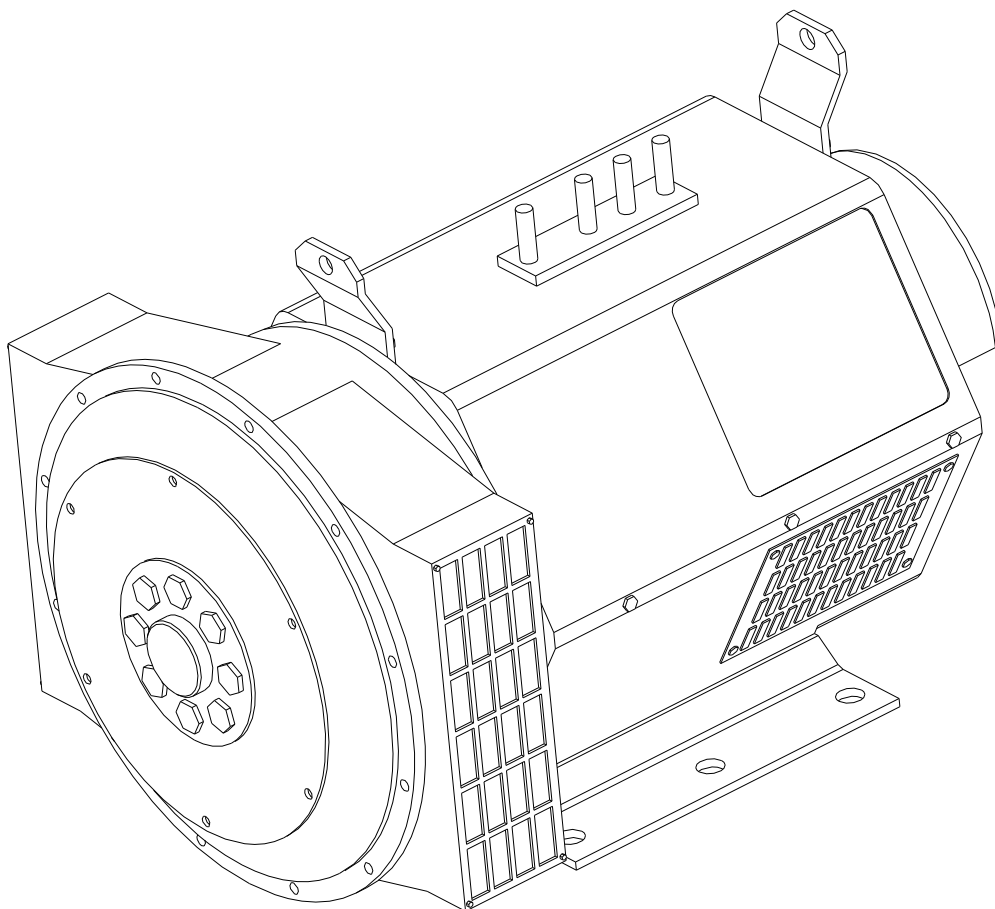
Exhaust Instl. (For Enclosure)

Item No	Part Number	Description	Qty.
1	0155-4161	Muffler 35 dB (A)	1
2	0155-4532	Elbow - Exhaust	1
3	0155-4205	Clamp - Exhaust	4
4	0155-4204	Pipe - Exhaust	1



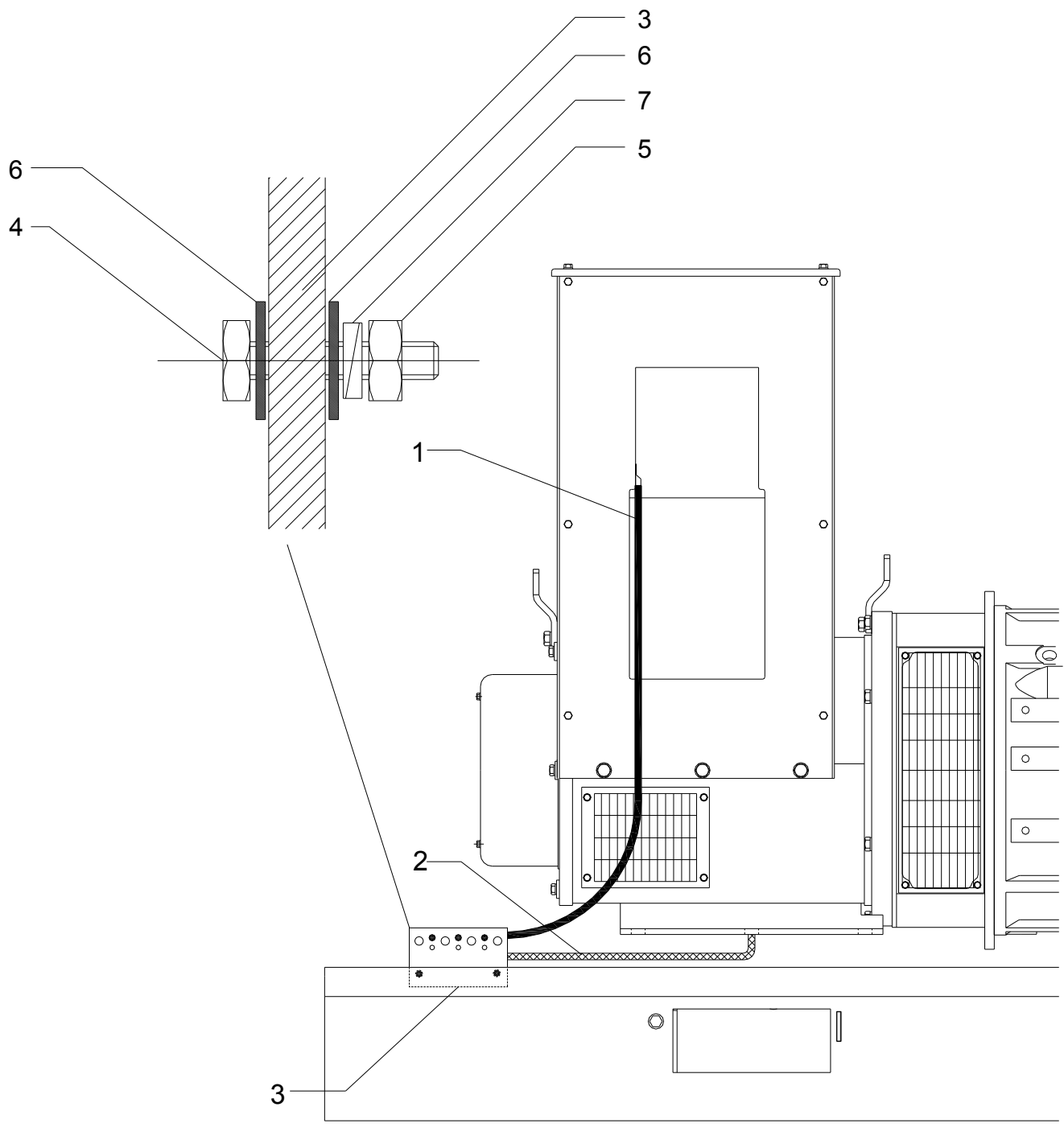
Exhaust Instl. (For Open Set)

Item No	Part Number	Description	Qty.
1	0155-4152	Pipe - Exhaust	1
2	0155-4153	Clamp - Exhaust	3
3	0155-4154-01	Muffler - Industrial Inline 9dB	1
4	0155-4158-01	Muffler - Resident Inline 25dB	1
5	0155-4157-01	Muffler - Resident Side 25dB	1
6	0155-4159-01	Muffler - Industrial Side 9dB	1
7	0155-4156-01	Tail Pipe - Exhaust	1



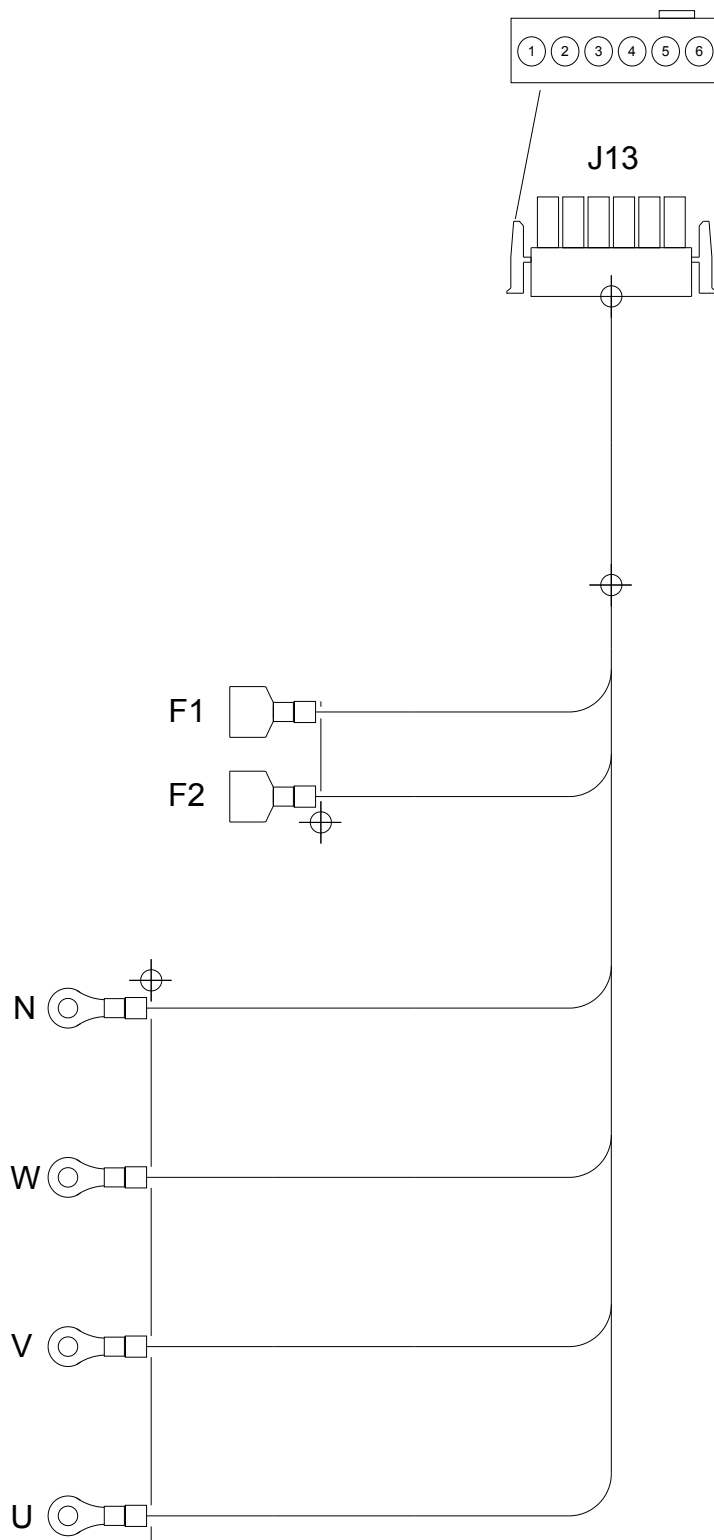
Generator Assy (UC224C/F)

Item No	Part Number	Description	Qty.
—	0200-3111-01/04	Generator Assy (UC224C/F)	1



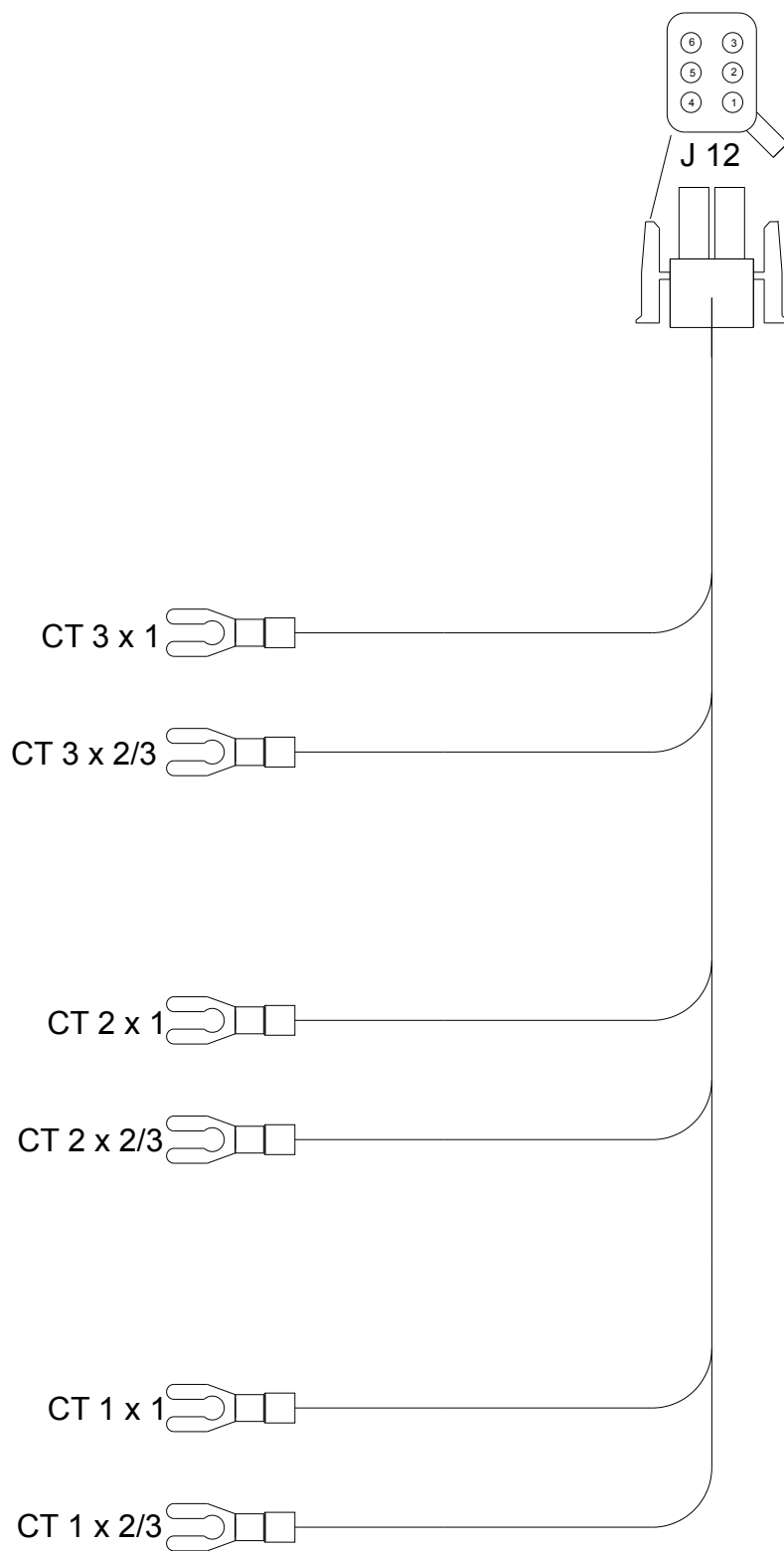
Ground Strap Instl.

Item No	Part Number	Description	Qty.
1	0226-4912-01	Lead	1
2	0337-3583-03	Earth Lead - 16sqmm Braid	1
3	0337-3657	Bus Bar - Ground	1
4	0800-3017-40	Screw - Hex Head (M10 X 40)	5
5	0862-0026-56	Nut-Hex (M10) 715011	5
6	0526-0399-62	Washer - Flat (M10) 716011	10
7	0850-0114-55	Washer - Lock (M10)	5



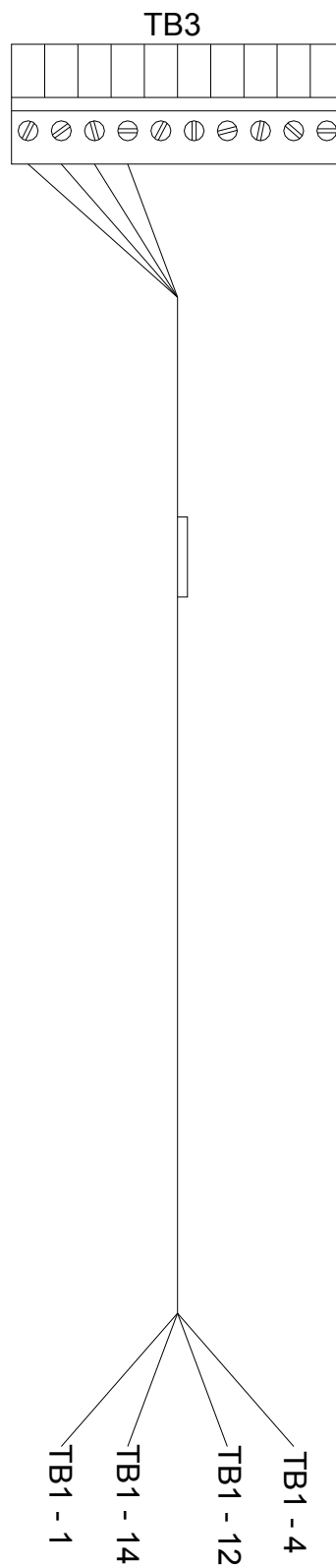
Harness - AC

Item No	Part Number	Description	Qty.
—	0338-4604	Harness - AC	1



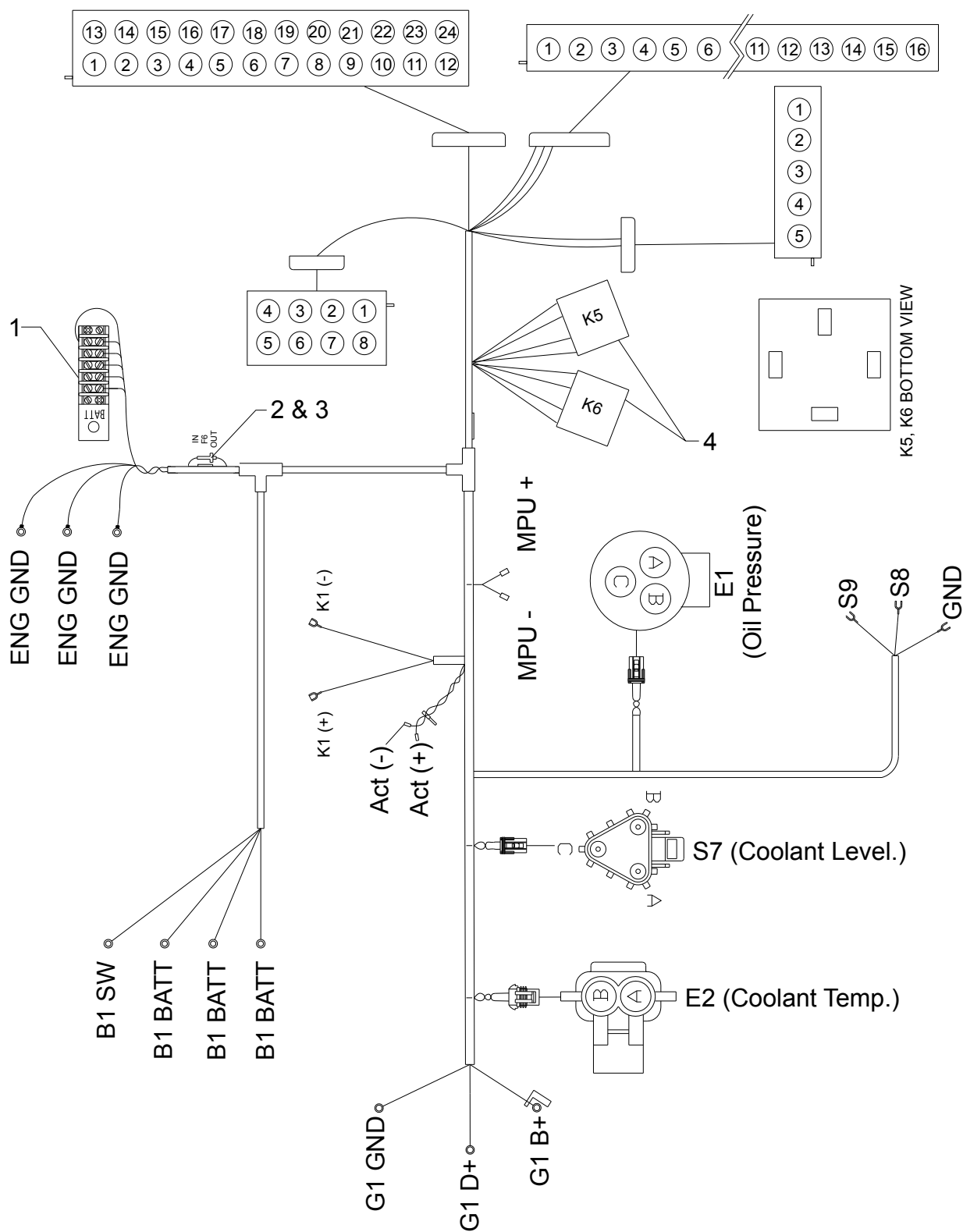
Harness - Transformer

Item No	Part Number	Description	Qty.
—	0338-4605	Harness - Transformer	1



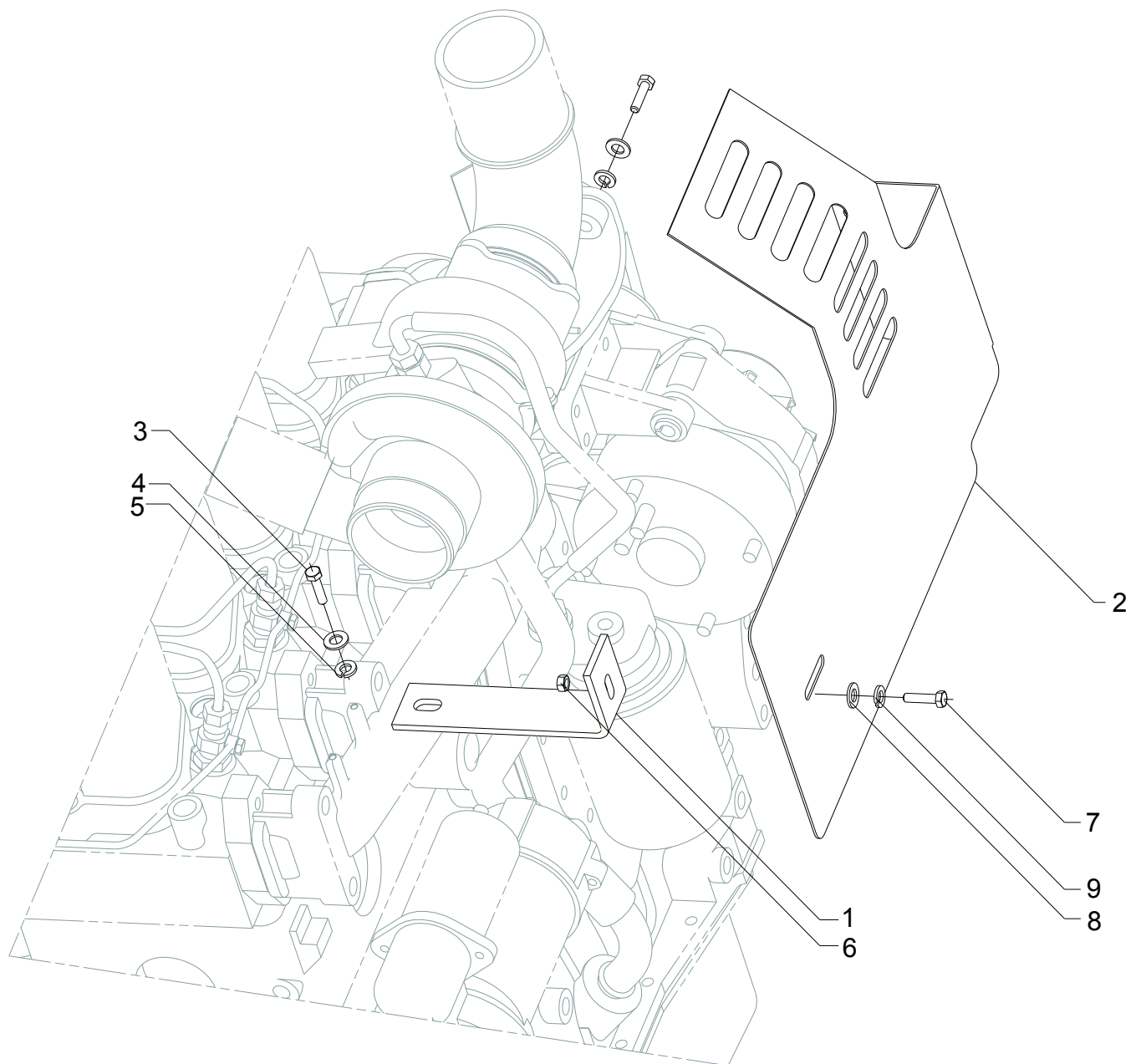
Harness- Accessories (Annunciator)

Item No	Part Number	Description	Qty.
—	0338-4706	Harness - Accessory (Annunciator)	1



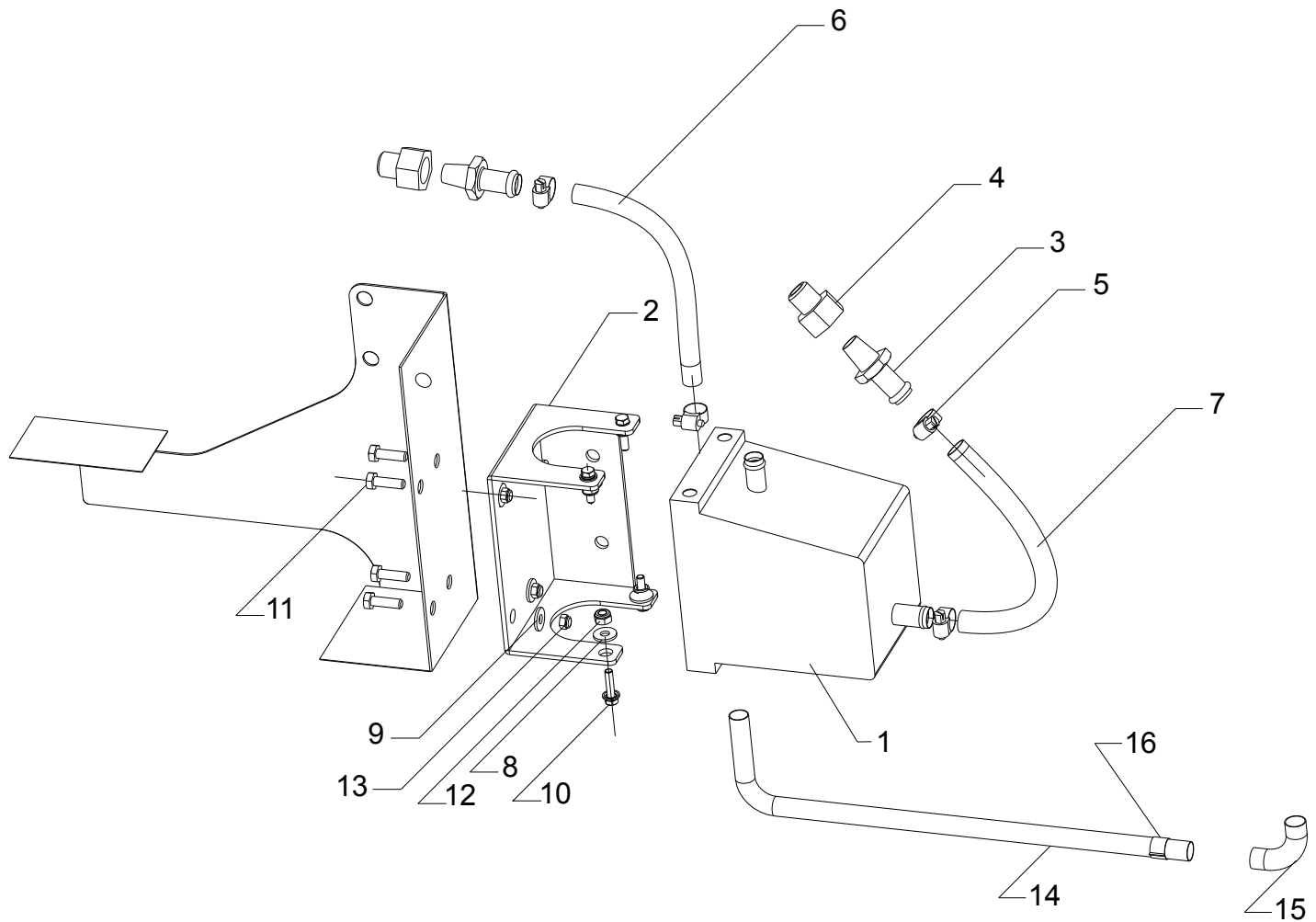
Harness - Engine

Item No	Part Number	Description	Qty.
1	0332-3276-04	Bracket Assy. Terminal	1
2	0321-0325	Holder - Fuse (Blade Type)	1
3	0321-0307-06	Fuse 15 Amp	1
4	0307-3059-02	Relay Power	2
--	0338-4702	Harness - Engine	1



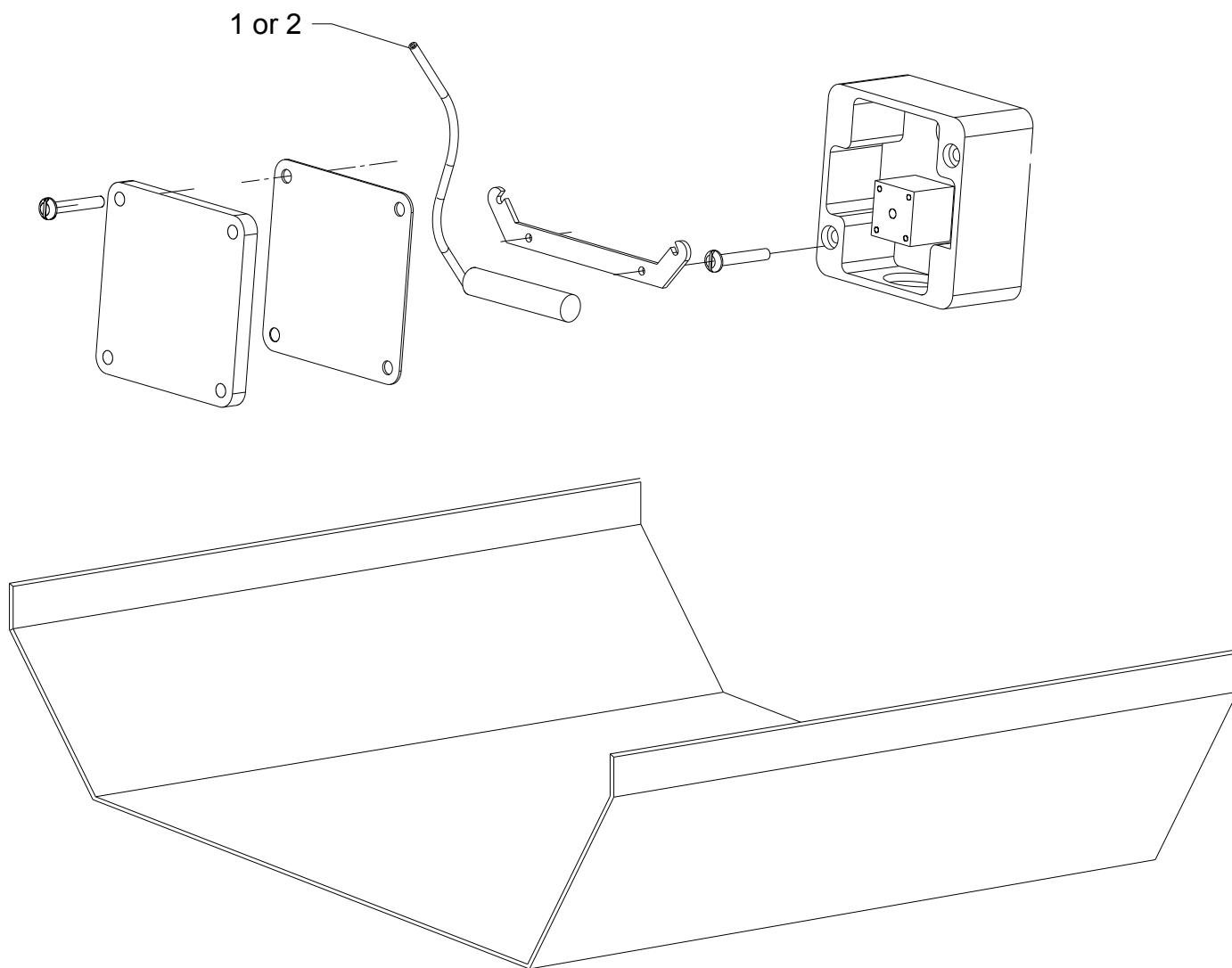
Heat Shield Instl.

Item No	Part Number	Description	Qty.
1	0155-4147	Bracket - Heat Shield	1
2	0155-4148	Heat Shield - Turbo	1
3	0800-3017-19	Screw - Hex Head (M8 x 20)	1
4	0526-0399-61	Washer - Flat (M8)	2
5	0850-0114-54	Washer - Lock (M8) 716370	1
6	0862-0026-55	Nut - Hex (M8)	1
7	0800-3017-52	Screw - Hex Head (M12 x 20)	1
8	0526-0399-64	Washer - Flat (M12)	1
9	0850-0114-52	Washer - Lock (M12)	1



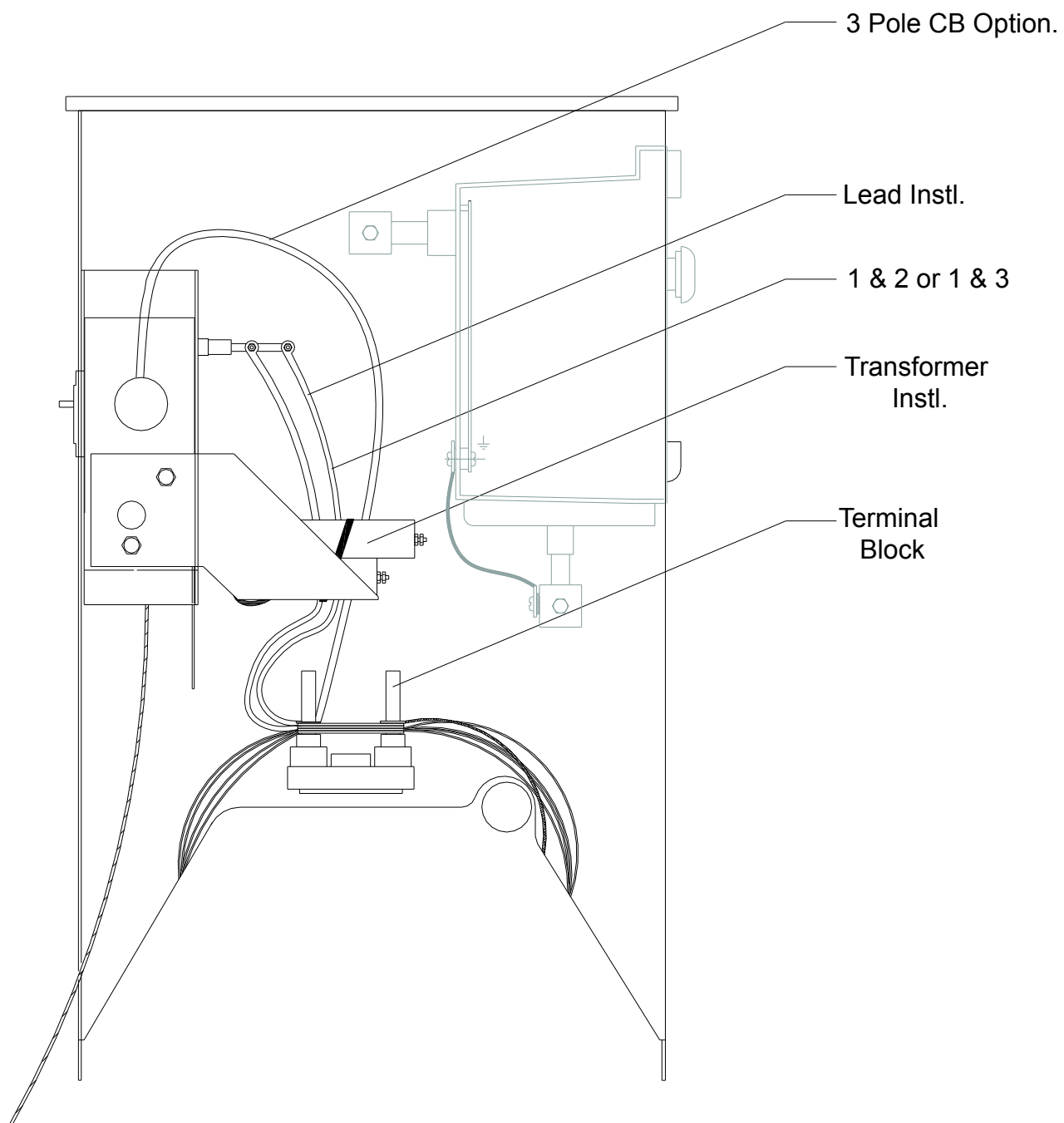
Heater Instl. (Coolant)

Item No	Part Number	Description	Qty.
1	0333-0690	Heater - Engine Coolant (240V)	1
1	0333-0699	Heater - Engine Coolant (120V)	1
2	0333-0689	Bracket - Heater	1
3	0502-1490	Connector - Hose	1
4	0502-1491	Connector - Hose	1
5	0503-2385	Clamp - Hose (1" - 1 ³ / ₄ ")	4
6	0503-2474-12	Hose - Steam	1
7	0503-2474-25	Hose - Steam	1
8	0526-0399-58	Washer - Flat (M6)	8
9	0526-0399-60	Washer - Flat (M8)	2
10	0800-3017-06	Screw - Hex Head (M6 x 30)	4
11	0821-6003-02	Screw - Sems Tap (M8 x 20)	4
12	0870-0506	Nut - (M6 Nyloc)	4
13	0870-2248-05	Nut - (M8 Nyloc)	4
14	0331-0585-02	Conduit (Ø20 mm)	1
15	0331-0587-02	Elbow - Conduit (Ø20mm)	1
16	0332-1794	Tie - Cable	6



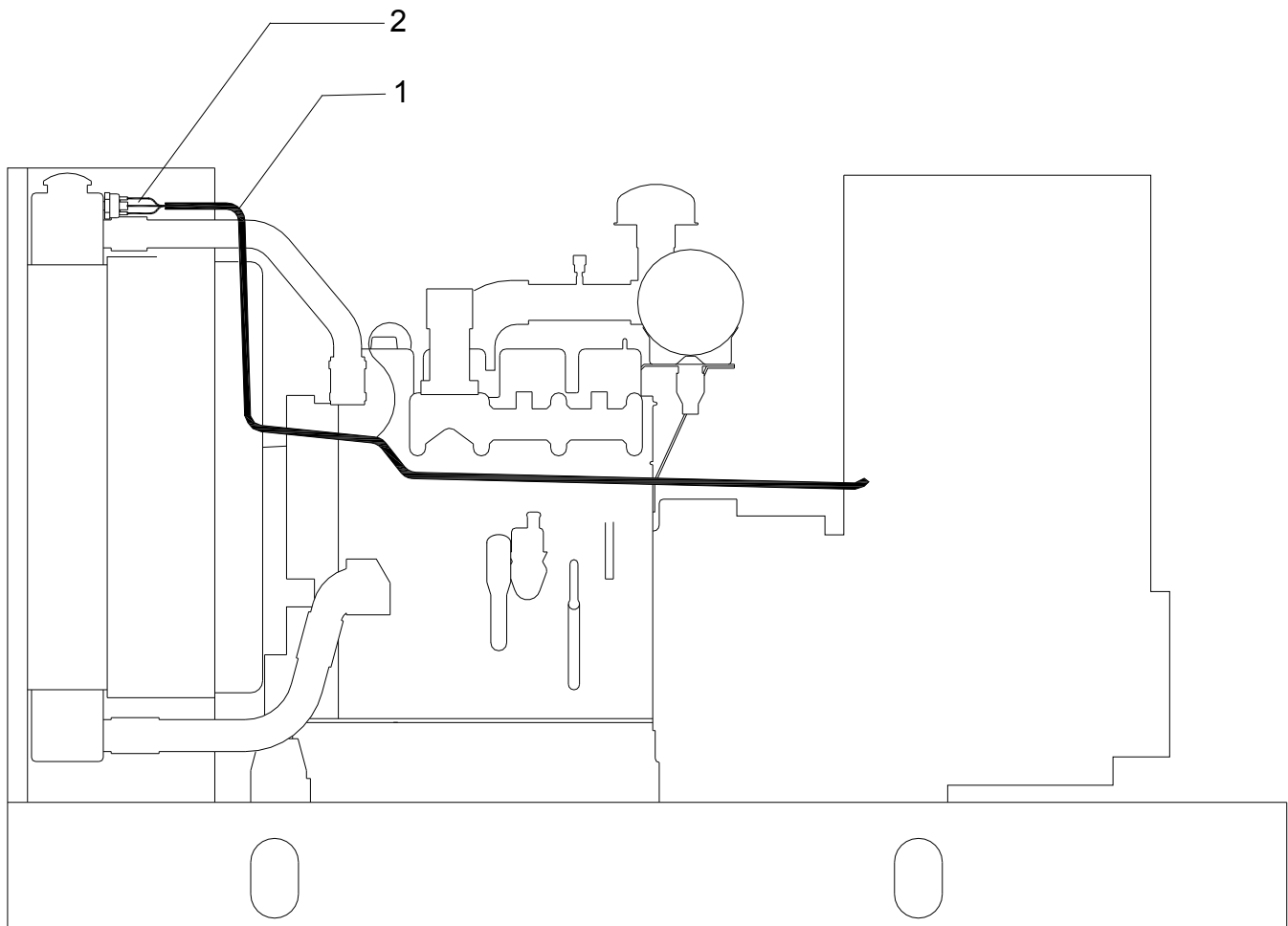
Heater Instl. (Alternator)

Item No	Part Number	Description	Qty.
1	0133-0228	Heater Kit (Alternator 240V)	1
2	0133-0229	Heater Kit (Alternator 110V)	1



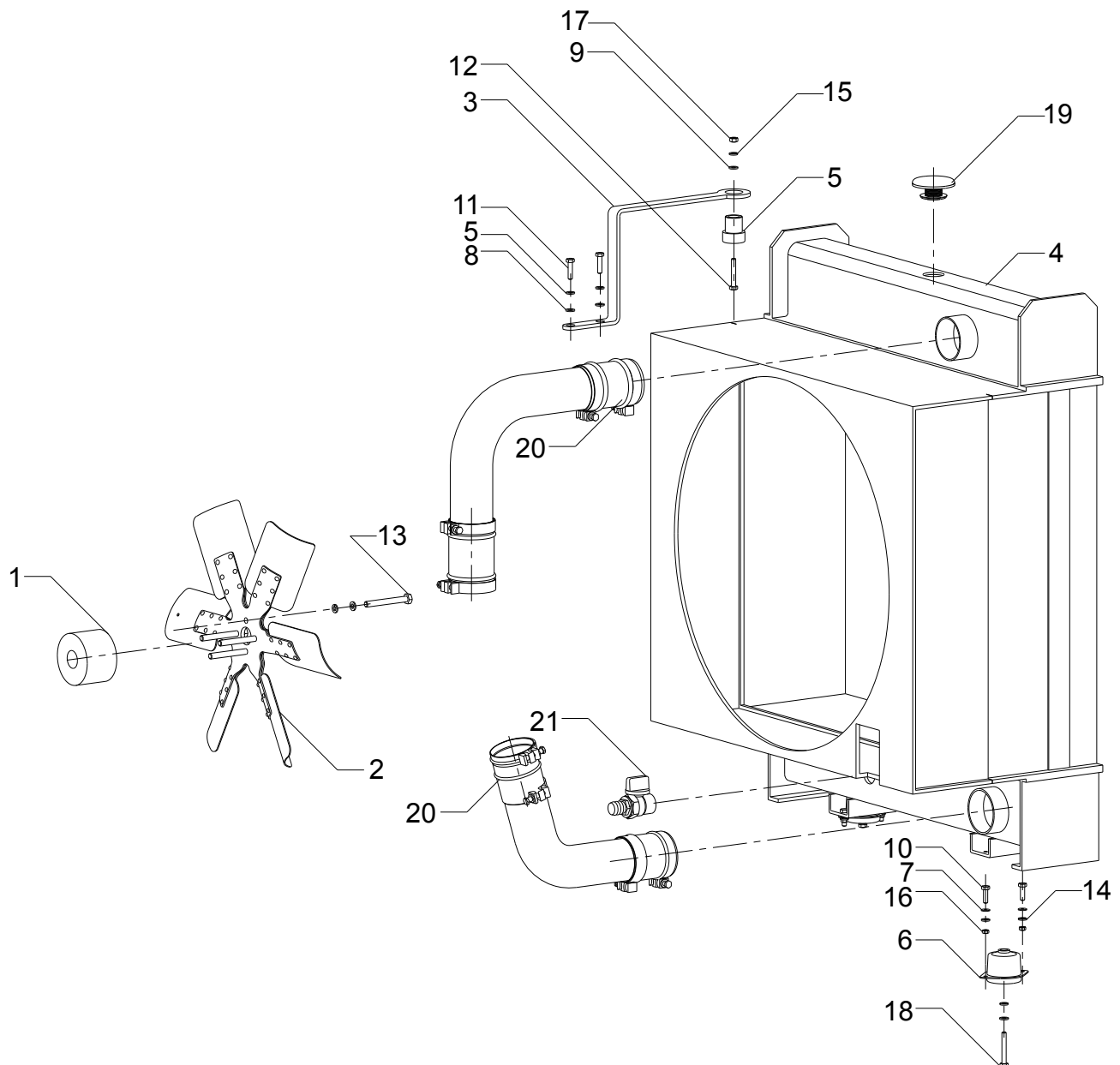
Lead Instl.

Item No	Part Number	Description	Qty.
1	0226-4909-03	Lead	3
2	0226-4909-05	Lead (3P)	1
3	0226-4909-04	Lead (4P)	1



Low Coolant Instl.

Item No	Part Number	Description	Qty.
1	0338-4178-01	Harness - Sensor	1
2	0193-0468	Sendor - Low Coolant	1



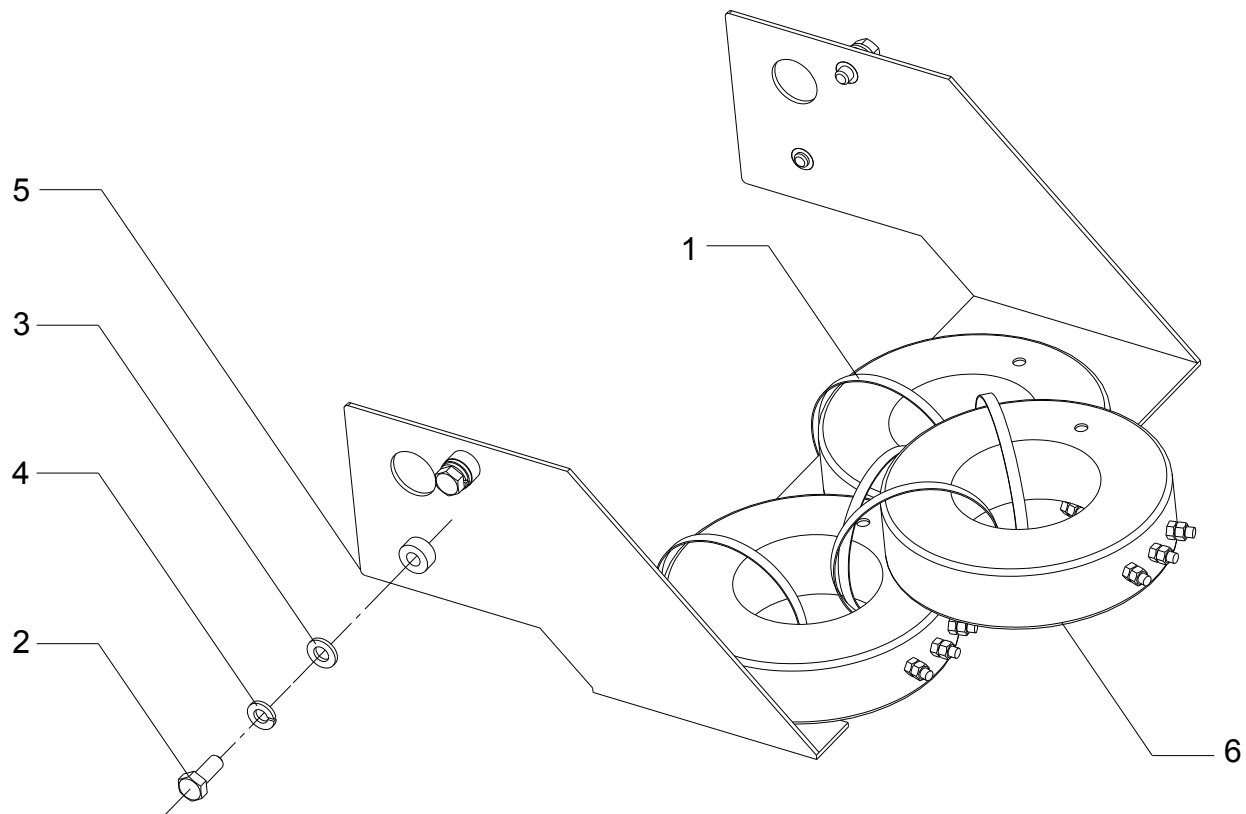
Radiator Instl.

Item No	Part Number	Description	Qty.
1	0130-5951	Spacer - Fan	1
2	0130-6000	Fan - Radiator	1
3	0130-6058	Bracket - Radiator	1
4	0179-3562	Radiator Instl. (Consist of Radiator, Jacket Water Pipework, Hoses Associated With The Pipework, T-Bolt Clamp For The Pipework Guarding)	1
5	0402-0828	Isolator - Vibration	1
6	0402-0829	Isolator - Vibration	2
7	0526-0399-56	Washer - Flat (M5)	8
8	0526-0399-62	Washer - Flat (M10) 716011	6
9	0526-0399-63	Washer - Flat (M10)	2
10	0800-0309-91	Screw - Hex Head (M5 x 25)	4
11	0800-3017-36	Screw - Hex Head (M10 x 20)	2
12	0821-2066	Screw - Hex Head (M10 x 50)	1
13	0800-3017-49	Screw - Hex Head (M10 x 85)	4
14	0850-0114-52	Washer - Lock (M5)	4
15	0850-0114-55	Washer - Lock (M10)	7
16	0862-0026-53	Nut - Hex (M5)	4
17	0862-0026-56	Nut - Hex (M10) 715011	1
18	0800-3017-44	Screw - Hex Head (M10 x 60)	2
19	0541-1119	Radiator Cap	1
20	0541-1115	Hose Kit (c/w Clamps)	1
21	0541-1120	Drain Valve	1



Skid Assy.

Item No	Part Number	Description	Qty.
1	0403-5234-02	Skid (With No Tank)	1
2	0403-5234-02	Skid (With Plastic Tank)	1
3	0159-1581-01	Plastic Fuel Tank	1
4	0403-5234-03	Skid (With Steel Tank)	1
5	0159-1614	Steel Fuel Tank	1
6	0816-2002	Bolt - Carriage (M12 x 30)	8
7	0526-0399-64	Washer - Flat (M12)	16
8	0850-0114-56	Washer - Lock (M12)	8
9	0826-0026-57	Nut - Hex (M12) 715012	8
10	0402-0779-02	Isolator - Vibration	2
11	0800-0607	Screw - Hex Head ($\frac{3}{4}$ " UNC x 20")	4
12	0526-0238-01	Washer - Flat ($\frac{3}{4}$ ")	4
13	0870-0255	Nut - Self Lock($\frac{3}{4}$ "UNC)	4
14	0517-0094	Plug - Hole	8
15	0800-3017-56	Screw - Hex Head (M12 x 40)	2
16	0403-5264-02	Spacer - Generator (UC224)	1
17	0402-0779-03	Isolator - Vibration	2
18	0505-1597	1" BSP Gunmetal Plug	2
19	0526-2185	Washer - Flat (M12)	8
20	0159-1619	Indicator Fuel (230 LG)	1
21	0159-1552	Cap Filler	1
22	0159-1618	Neck Fuel Filler	1
23	0309-0707-01	Switch - Level Fuel	1



Transformer Instl.

Item No	Part Number	Description	Qty.
1	0332-1389	Tie - Cable	5
2	0800-3017-03	Screw - Hex Head (M6)	4
3	0526-0399-58	Washer - Flat (M6)	4
4	0850-0114-53	Washer - Lock (M6)	4
5	0315-1626-02	Bracket - Transformer	1
6	0302-2056-07	Current Tfr 250/5 500/5 (190 - 480V)	3
	0302-2056-08	Current Tfr 375/5 750/5 (190 - 480V)	3

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