

Parts Catalog

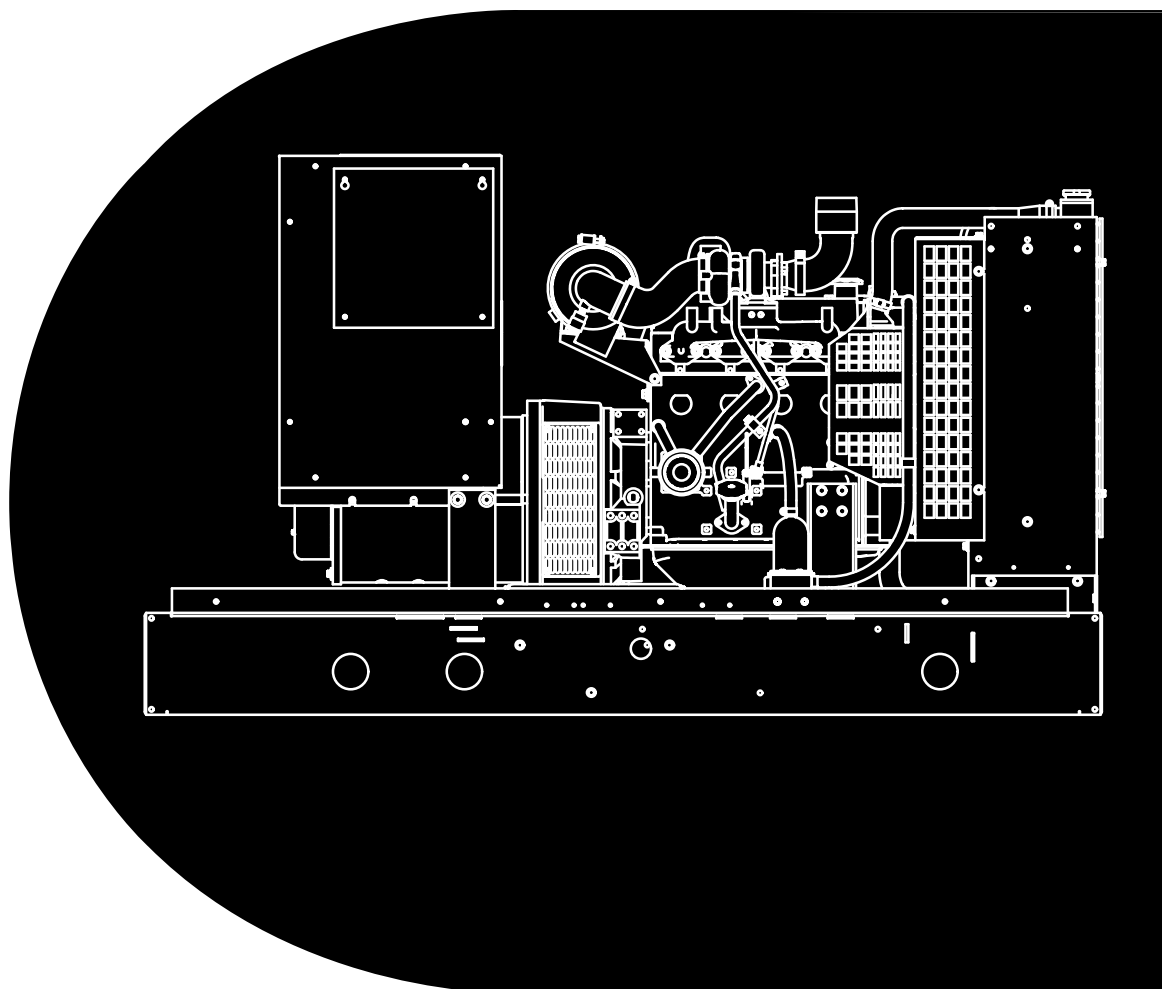
Models

DGGD (Spec B)

DGHD (Spec B)

DGHE (Spec B)

GENERATOR SET



MODEL IDENTIFICATION

This catalog covers models produced under the Cummins®/Onan® and Cummins Power Generation brand names.

To avoid errors or delay in filling your parts order, always give the MODEL, SPEC NO. and SERIAL NO. from the Cummins Power Generation nameplate.

For handy reference, insert your nameplate information in the spaces below.

MODEL AND SPEC NO.

SERIAL NO.

DIGITAL CONTROL SOFTWARE VERSION
AND DATE (IF APPLICABLE)

SAFETY PRECAUTIONS

The following symbols are used in Cummins Power Generation manuals to alert users to the potentially dangerous conditions relating to maintenance of equipment and replacement of parts. Please read and observe.



This symbol warns of immediate hazards which will result in severe personal injury or death.



This symbol refers to a hazard or unsafe practice which can result in severe personal injury or death.



This symbol refers to a hazard or unsafe practice which can result in severe personal injury or product or property damage.

PRODUCT SAFETY PRECAUTIONS



Service and repair of Cummins Power Generation equipment must be performed by trained, experienced personnel only. Improper service or repair may result in property damage, severe personal injury or death. Do not use this catalog as a guide to servicing your equipment. Read and follow the IMPORTANT SAFETY INSTRUCTIONS in the Service Manual appropriate for the equipment you are working on.



Contact with USED ENGINE OILS has been identified by a United States federal agency and some USA state agencies as causing CANCER or REPRODUCTIVE TOXICITY. When checking or changing engine oils take all necessary precautions not to ingest, breathe the fumes or contact the used oil.



Contact with ASBESTOS has been identified by a United States federal agency and some USA state agencies as causing CANCER or REPRODUCTIVE TOXICITY. When handling engine gaskets take all necessary precautions not to ingest, breathe or contact the dust from the gaskets! Use adequate ventilation and wear protective gloves, masks and clothing!



Contact with BENZINE and LEAD, found in gasoline, fuel additives and solvents has been identified by a United States federal agency and some USA state agencies as causing CANCER or REPRODUCTIVE TOXICITY. When checking, draining or adding gasoline and fuel additives or using solvents take all necessary precautions not to ingest, breathe the fumes or contact the liquids. Use adequate ventilation and wear protective gloves, masks and protective clothing!

Introduction

This catalog applies to the standard generator models DGGD, DGHD and DGHE as listed in the Generator Set Data Table. Parts are arranged in groups of related items and each illustrated part is identified by a reference number corresponding to the same reference number in the parts list. Parts illustrations are typical. Unless otherwise mentioned in the description or page heading, parts are interchangeable between models. Throughout this catalog left and right sides are determined by facing the engine end (front) of the set.

Engine parts that have been modified or added by Cummins Power Generation are identified in this catalog. All other engine replacement parts must be ordered from the engine manufacturer by referring to the engine manufacturer's nameplate and supplying all available information. Contact your nearest engine parts distributor for assistance in ordering replacement parts.

Replacement Engine

Cummins Power Generation Generator Model	Cummins Engine Model
DGGD	4B3.3-G1
DGHD	4BT3.3-G2
DGHE	4BT3.3-G2

Generator Set Data Table

Model/ Specification	Electrical Data					Battery Voltage
	Watts	Volts	Hertz	Wire	Phase	
28DGGD*	28,000	#	50	4,6,12	1 or 3	12 VDC
35DGGD*	35,000	#	60	4,6,12	1 or 3	12 VDC
32DGHD*	32,000	#	50	4,6,12	1 or 3	12 VDC
40DGHD*	40,000	#	60	4,6,12	1 or 3	12 VDC
40DGHE*	40,000	#	50	4,6,12	1 or 3	12 VDC
50DGHE*	50,000	#	60	4,6,12	1 or 3	12 VDC

* – The Specification number denotes customer requested options or deviations from the standard model. The specification letter advances with major manufacturing changes.

– Broad Range Reconnectible.

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Abbreviations

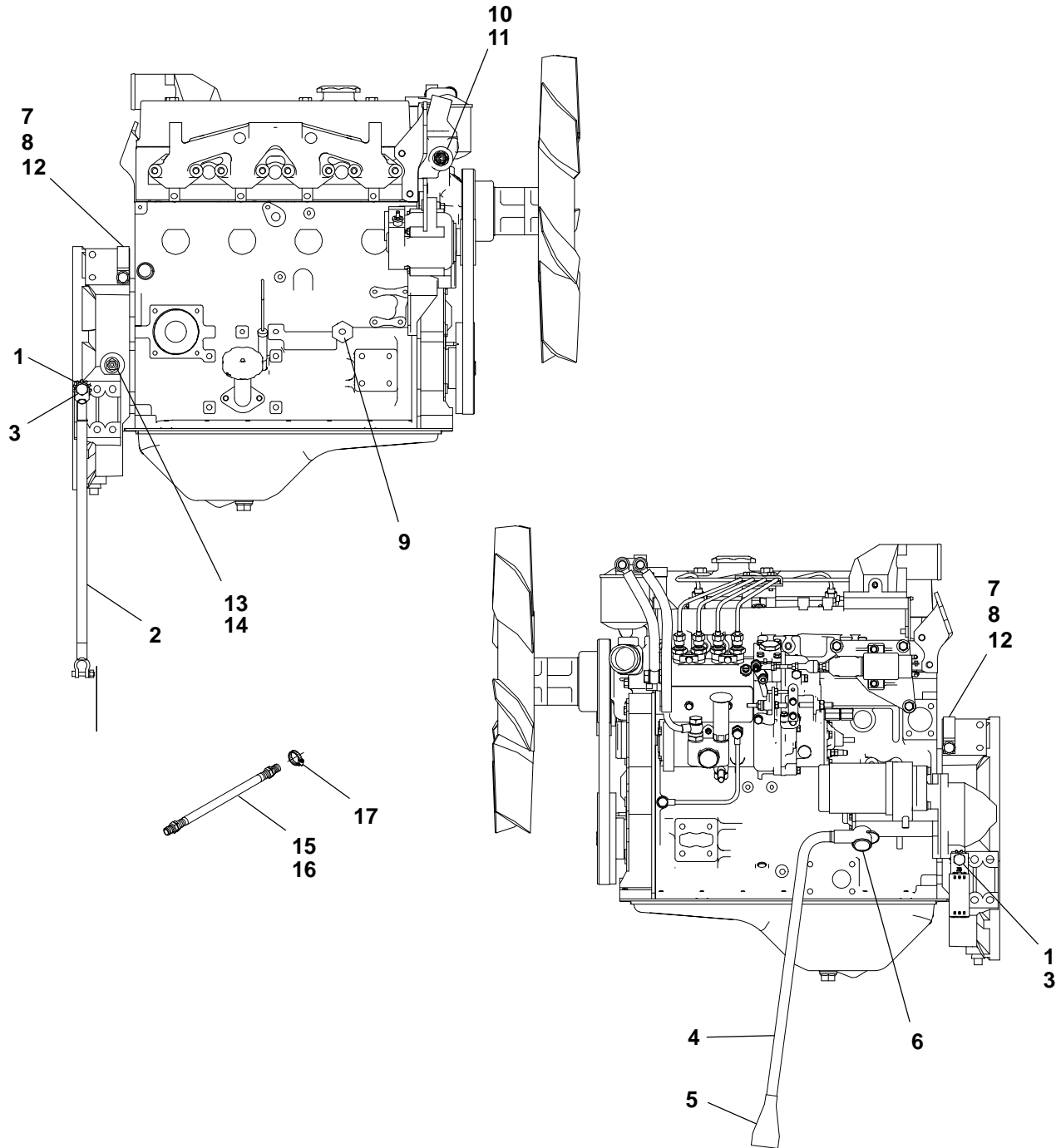
Some of the following abbreviations may be used throughout this Parts Catalog:

AC	Alternating Current	mm	Millimeter
Amp	Ampere	MOH	Mobile Off Highway
A/R	As Required	NFS	Not For Sale
AVR	Automatic Voltage Regulator	NPT	National Pipe Thread
AWG	American Wire Gauge	OD	Outside Diameter
Deg	Degree	oz.	Ounce
DC	Direct Current	PMG	Permanent Magnet Generator
EFC	Electronic Fuel Control	Ph	Phase
ET	External Tooth	PC	Printed Circuit
EIT	External/Internal Tooth	RFI	Radio Frequency Interference
GFI	Ground Fault Interrupter	RT	Right
ID	Inside Diameter	Spec	Specification
IT	Internal Tooth	Thk	Thick
IEC	International Electrotechnical Commission	UL	Underwriters Laboratories Inc.
		UNC	Union National Coarse
kW	Kilowatt	UNF	Union National Fine
LPG	Liquid Petroleum Gas	VAC	Volts Alternating Current
LT	Left	VDC	Volts Direct Current
M(meter Number)	Meter	W/(ET, IT, EIT)	With

Paint and Thread Sealant

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Onan Green Enamel (Non-Metallic)	518-0601	—		Sealant, Thread (6 ml Tube)
	525-0305	—	12 oz. Pressurized Spray Can				
	525-0306	—	Quart Can				
	525-0304	—	Gallon Can				

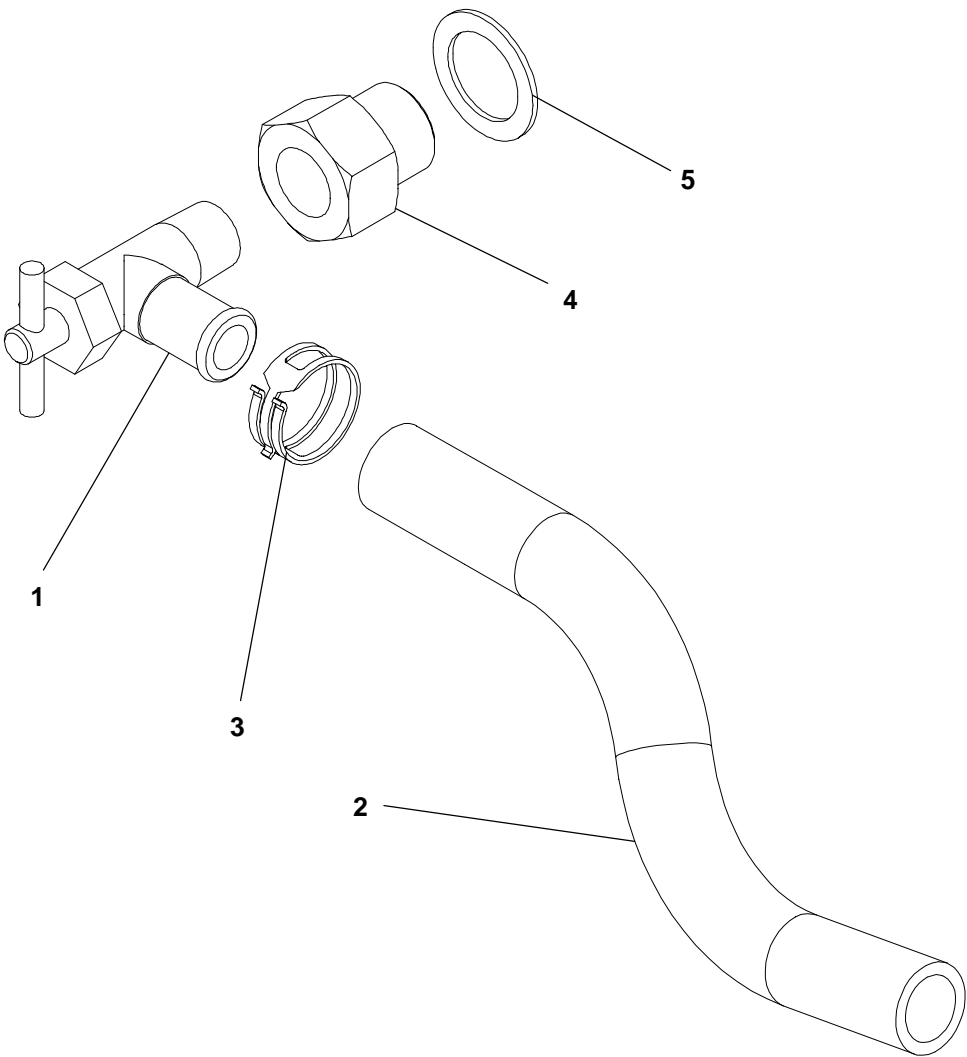
Engine Accessories



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	856-0013	2	Washer, Lock – W/EIT (1/2)
2	416-1089	1	Cable, Battery
3	800-2111	2	Screw, Cap – Hex Head (M12 x 1.75 x 25)
4	416-1104	1	Cable, Battery
5	416-1019	1	Boot, Battery – Red
6	416-1084	1	Boot, Starter – Red
7	332-2634	2	Clamp, “J”
8	526-2120	2	Washer, Flat (M10)
9	193-0444	1	Sender, Oil Pressure

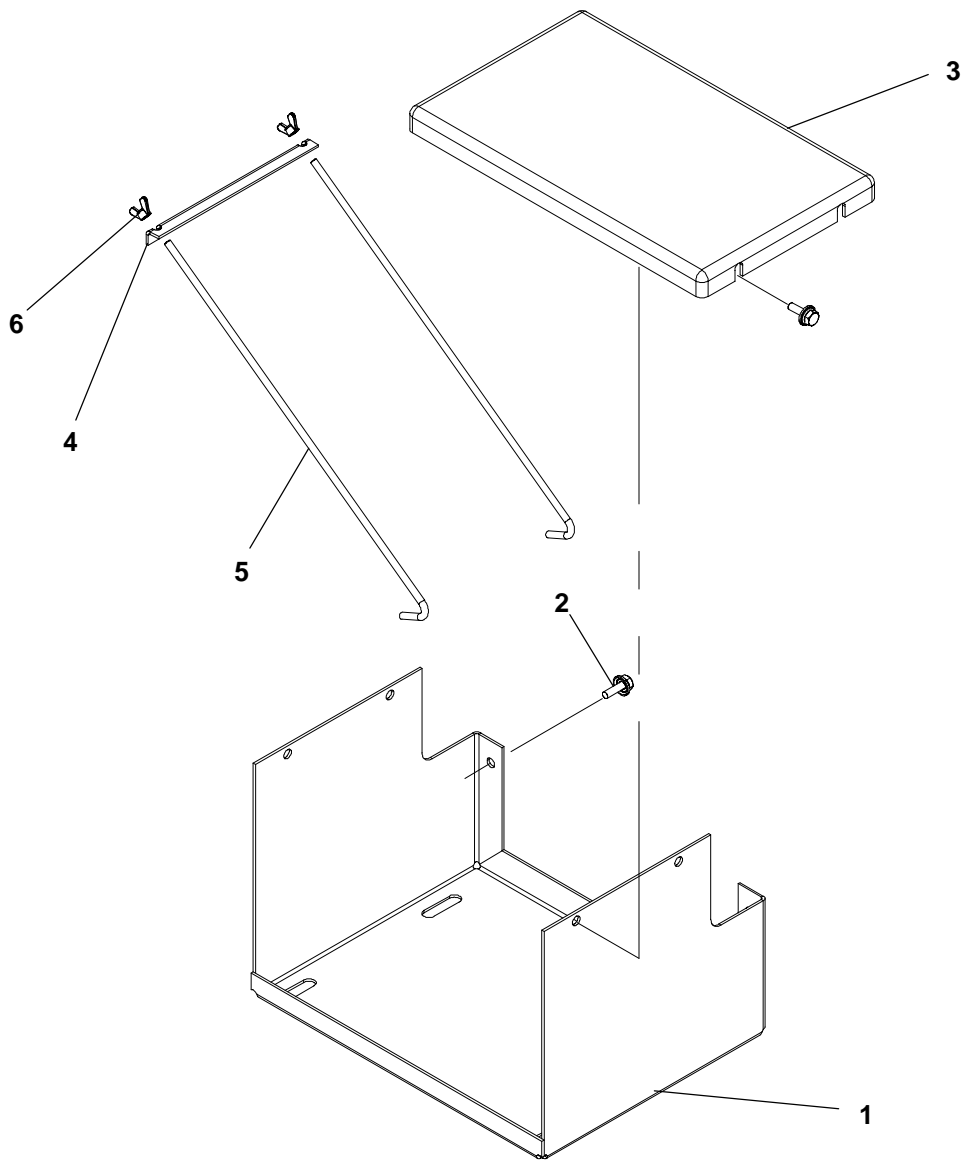
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
10	505-0019	1	Bushing, Reducer (1/2 to 3/8)
11	193-0529-01	1	Sensor, Temperature
12	800-2085	2	Screw, Cap – Hex Head (M10 x 1.5 x 20)
13	502-1400-02	1	Adapter, Bushing
14	150-2651	1	Pick-Up, Magnetic
15	501-0502	1	Line, Flexible Fuel
16	501-0729-01	1	Line, Flexible Fuel (With Filter)
17	503-0685	2	Clamp, Hose

Oil Drain



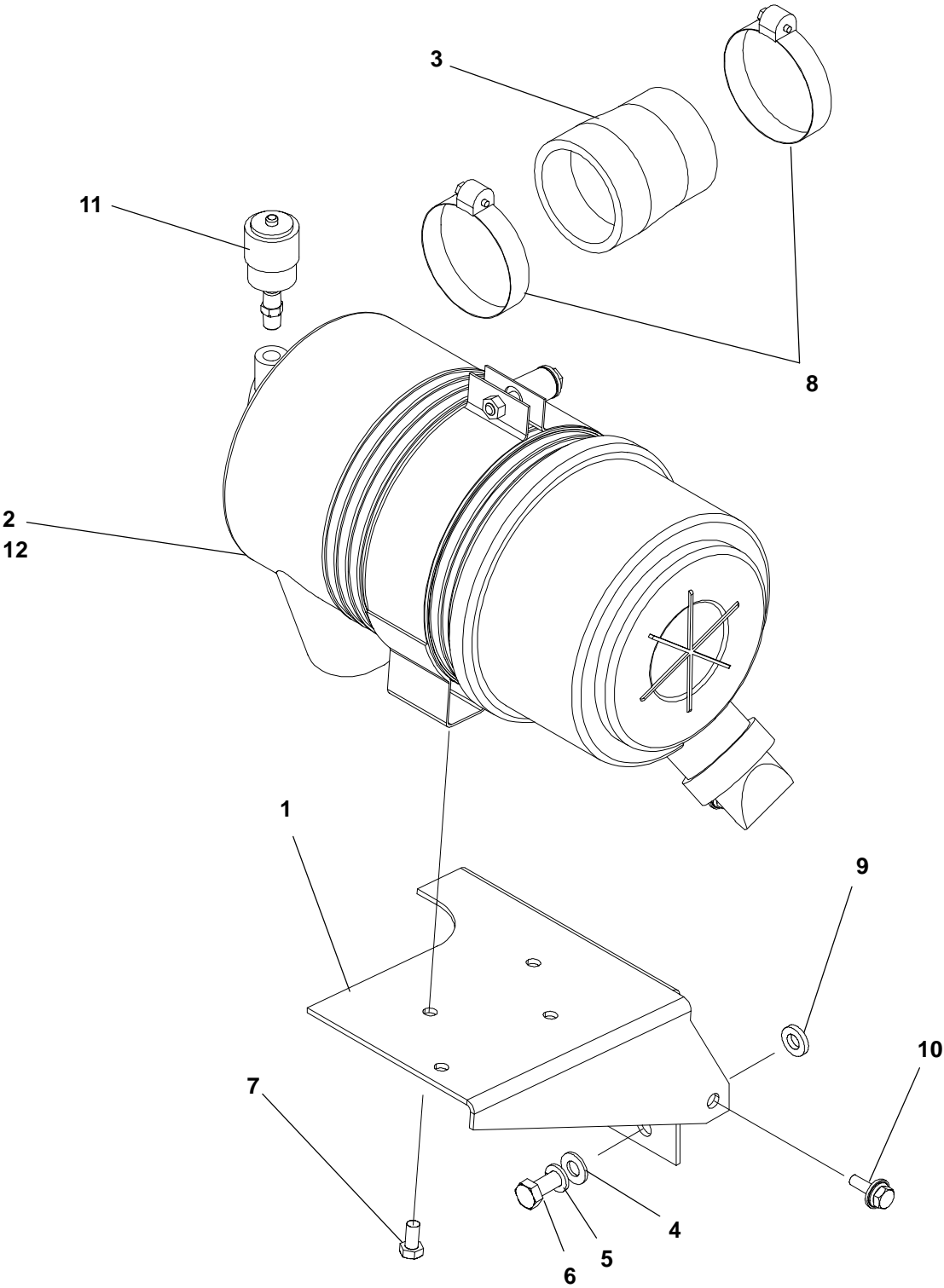
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	504-0176	1	Valve, Oil Drain	3	503-0131	1	Clamp, Hose
2	503-1657	-	Hose, Oil Drain - Bulk (Order by the Foot - 2 Feet Required)	4	102-1448-02	1	Adapter, Oil Drain
				5	526-0329	1	Washer, Flat

Battery Tray



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	416-1100-02	1	Tray, Battery	4	416-1103-02	1	Hold Down, Battery
2	821-6003-02	7	Screw, Hex Head (M8 x 1.25 x 20)	5	416-0993-02	2	Rod, Battery Hold Down
3	416-1101	1	Cover, Battery	6	865-0030	2	Nut, Wing

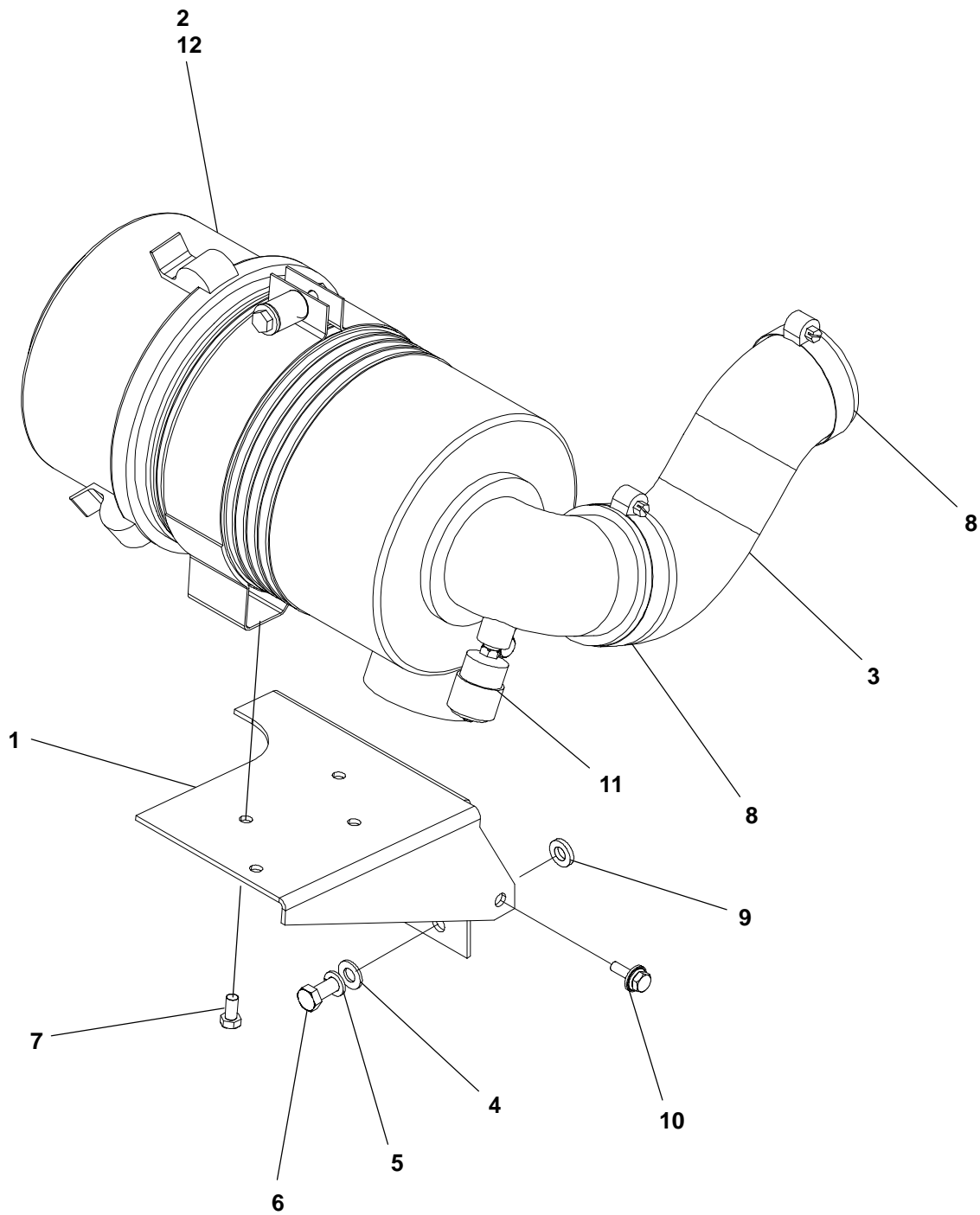
Air Cleaner
DGGD



Air Cleaner DGGD

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-3319-02	1	Bracket, Air Cleaner	8	503-1870-05	2	Clamp, Hose
2	140-3119	1	Cleaner, Air	9	526-0174	2	Washer, Flat
3	503-2247	1	Hose, Air	10	821-6003-01	1	Screw, Hex Head (M8 x 1.25 x 16)
4	526-2120	2	Washer, Flat (M10)	11	140-1548	1	Indicator, Service
5	850-2010	2	Washer, Lock – Split (M10)	12	140-3055	1	Element, Replacement
6	800-2086	2	Screw, Cap – Hex Head (M10 x 1.5 x 25)				
7	800-2056	2	Screw, Cap – Hex Head (M8 x 1.25 x 16)				

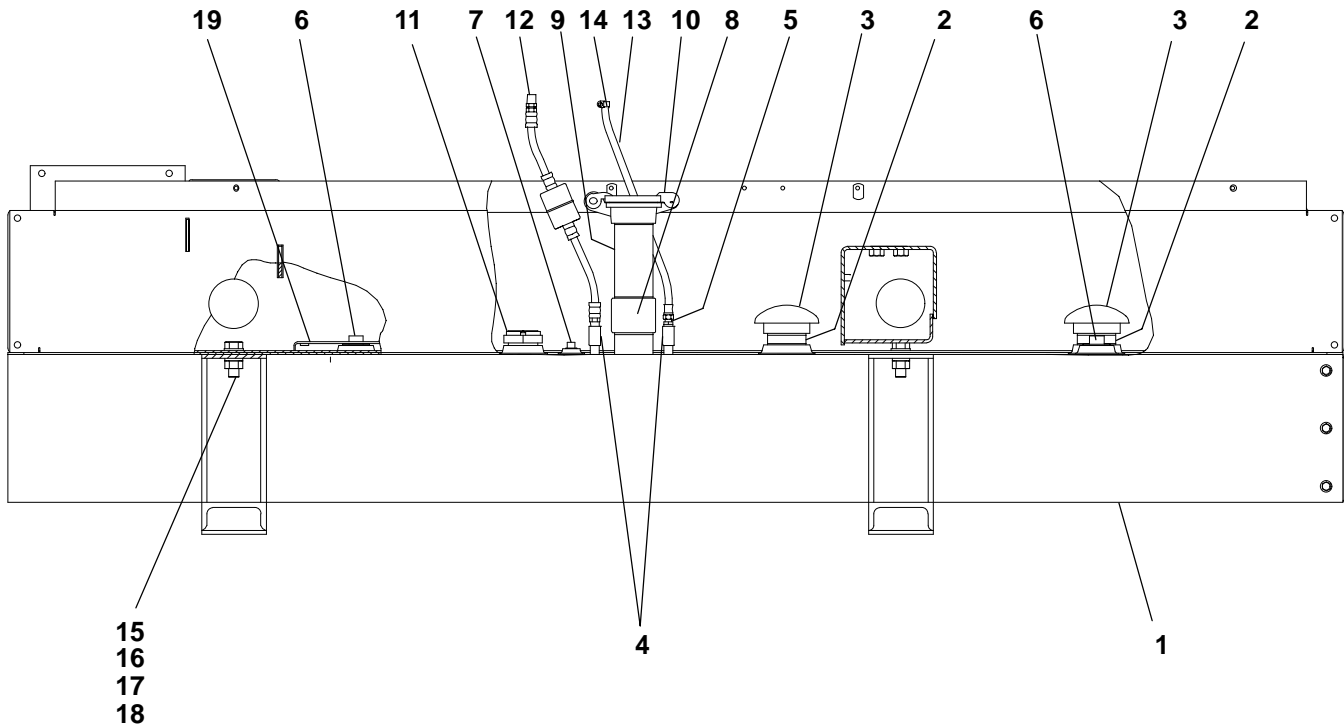
**Air Cleaner
DGHD, DGHE**



Air Cleaner DGHD, DGHE

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-3319-02	1	Bracket, Air Cleaner	8	503-1870-05	2	Clamp, Hose
2	140-3120	1	Cleaner, Air	9	526-0174	2	Washer, Flat
3	503-2250	1	Elbow, Hose	10	821-6003-01	1	Screw, Hex Head (M8 x 1.25 x 20)
4	526-2120	2	Washer, Flat (M10)	11	140-1548	1	Indicator, Service
5	850-2010	2	Washer, Lock – Split (M10)	12	140-3067	1	Element, Replacement
6	800-2086	2	Screw, Cap – Hex Head (M10 x 1.5 x 25)				
7	800-2056	2	Screw, Cap – Hex Head (M8 x 1.25 x 16)				

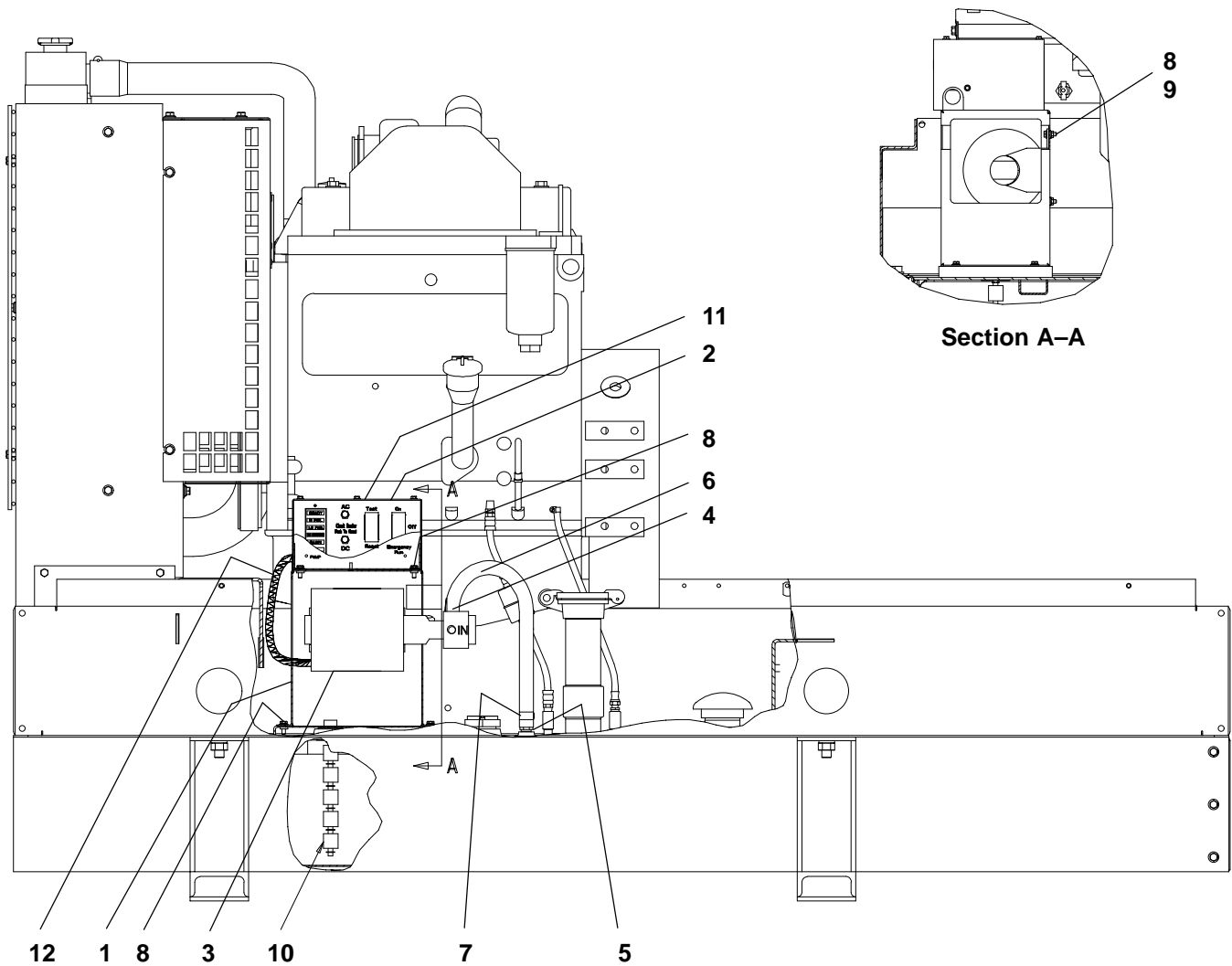
Subbase Fuel Tank



C167,168,169

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	159-1463	1	Tank, Fuel	7	505-0110	1	Plug, Square Head (3/8")
	159-1463-01	1	70 Gallon (Double Wall Tank)	8	505-0203	1	Coupling, Pipe (2")
	159-1464	1	80 Gallon (Single Wall Tank)	9	505-0401	1	Nipple, Pipe (2" x 6" Long)
			140 Gallon (Double Wall Tank)	10	415-0043	1	Cap, Fill - Fuel
2				11			Gauge, Level - Fuel
	505-0172	2	Nipple, Close (2")		415-0565-61	1	70, 80 Gallon Tank
	505-0172	1	70 Gallon Tank		415-0565-52	1	140 Gallon Tank
3			80 Gallon Tank	12	501-0627-03	1	Line, Fuel - In
	159-1371-03	2	Cap, Vent - Pipe	13	501-0502	1	Line, Fuel - Out
	159-1371-03	1	70 Gallon Tank (2")	14	503-0685	1	Clamp, Hose
	159-1371-05	2	80 Gallon Tank (2")	15	526-0399-66	4	Washer, Flat (M16)
4	505-0027	2	140 Gallon Tank (3")	16	800-3017-73	4	Screw, Cap - Hex Head (M16 x 2 x 45)
5	505-0007	1	Coupling, Pipe (1/4")	17	850-0114-57	4	Washer, Lock (M16)
6			Bushing, Reducer (1/4" x 1/8")	18	862-0026-58	4	Nut, Hex (M16 x 2)
	505-0359	2	Plug, Square Head (1-1/4")	19	232-3552-02	8	Shim, Tank - Fuel
	505-0359	1	70, 140 Gallon Tank				
			80 Gallon Tank				

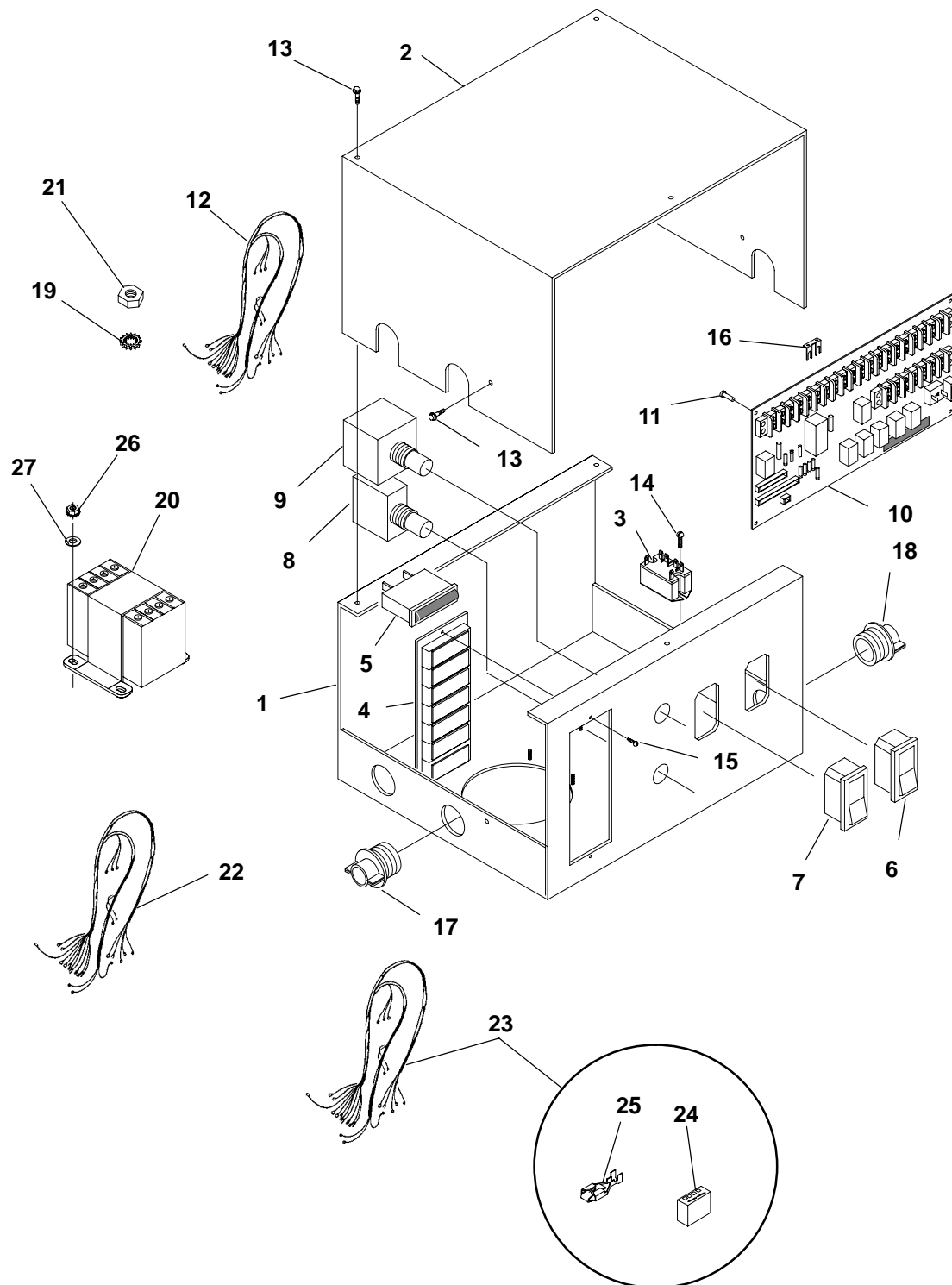
Subbase Fuel Tank Pump and Control



C149

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	159-2693-02	1	Bracket, Pump	7	503-0183	2	Clamp, Hose
2	625-2141-02	1	Control, Fuel Tank (See Separate Page for Components)	8	821-2033	12	Screw, Lock – Flange (M6 x 1 x 16)
3	399-0117-01	1	Pump	9	870-2054	4	Nut, Lock – Flange (M6 x 1)
4	502-0942	1	Elbow, Hose – 90°	10	308-1155-01	1	Switch, Float
5	502-0943	1	Connector, Hose (1/2 x 5/8 hose)		308-1155-02	1	70 gallon tank
6	503-1660-05	1	Hose, Fuel (Pump to Tank)	11	098-5387	1	140 gallon tank
				12	338-2397	1	Label, Danger
							Harness, Pump to Control

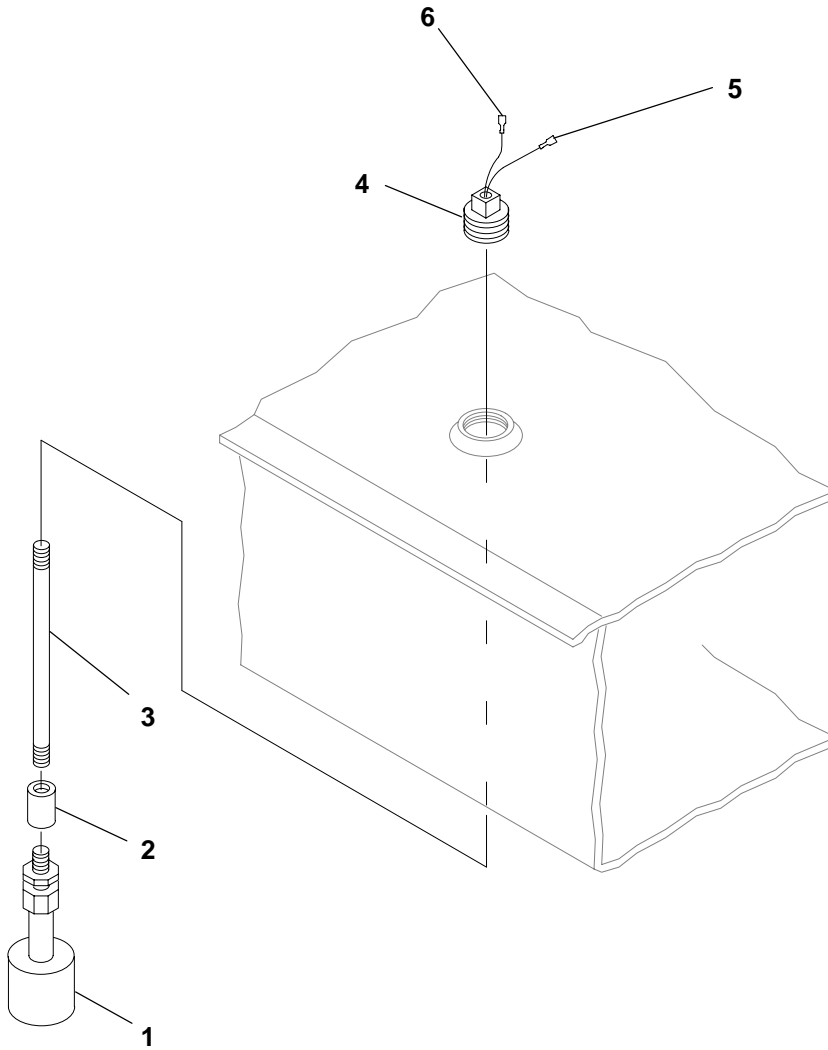
Fuel Tank Control



Fuel Tank Control

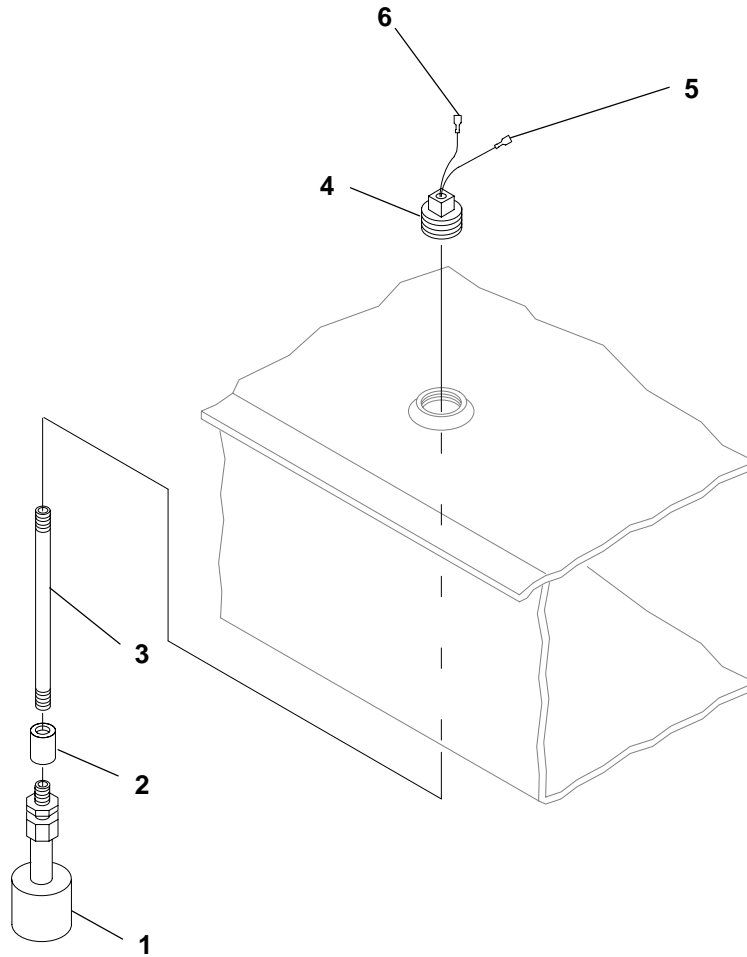
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	625-2141-02	1	Control, Fuel Tank – Complete (Includes Parts Listed Below)	14	812-0075	2	Screw, Machine – Round Head (#8-32 x 1/4")
1	319-0486	1	Box, Control	15	815-0385	2	Screw, Machine – Round Head (#6-32 x 1/2")
2	319-0485	1	Cover, Box	16	332-2605	2	Jumper, Terminal
3	307-2677-02	1	Relay, Pump (K130)	17	331-0027	2	Connector, Romex
4	322-0403-02	1	Light, Assembly, Indicator – 7 Light (Includes Wiring Harness)	18	331-0042	1	Connector, Knockout
5	322-0369-02	1	Lamp, Indicator – Replacement	19	856-0002	1	Washer –EIT (#8)
6	308-0912	1	Switch, Rocker (On/Off/ Emergency Run) (S102)	20	315-0686	1	Transformer
7	308-0852	1	Switch, Rocker (Reset/Off/Test) (S111)	21	860-0008	1	Nut, Hex (#8-32)
8	320-1653	1	Breaker, Circuit – DC (Single Pole) (CB107)	22	338-2403	1	Harness, Wiring – Primary – Transformer (10")
9	320-1654	1	Breaker, Circuit – AC (Double Pole) (CB101)	23	338-2404	1	Harness, Wiring – Secondary – Transformer (6") (Includes Connector and Pin)
10	300-3464	1	Board, Printed Circuit	24	323-1374-04	1	Housing, Connector
11	870-0458	4	Spacer, Board – Printed Circuit	25	323-1302	1	Pin, Contact
12	338-2382	1	Harness, Wiring – Control Box	26	870-0221	4	Nut, Hex – W/ET
13	815-0350	5	Screw, Self-Tapping – Slotted Hex Washer Head (#10-32 x 3/8")	27	526-0003	4	Washer, Flat

Low Fuel Alarm



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	308-0963-01	1	Switch, Basin	4	505-1050-01	1	Plug, Pipe – Square Head (Modified)
2	505-0026	1	Coupling, Pipe	5	332-1992	1	Terminal, Receptacle (.25) (#22-18)
3	505-0066	1	Nipple. Pipe	6	332-2430	1	Terminal, Tab (.25) (#22-18)
	505-1458-14	1	70 gallon tank				
			140 gallon tank				

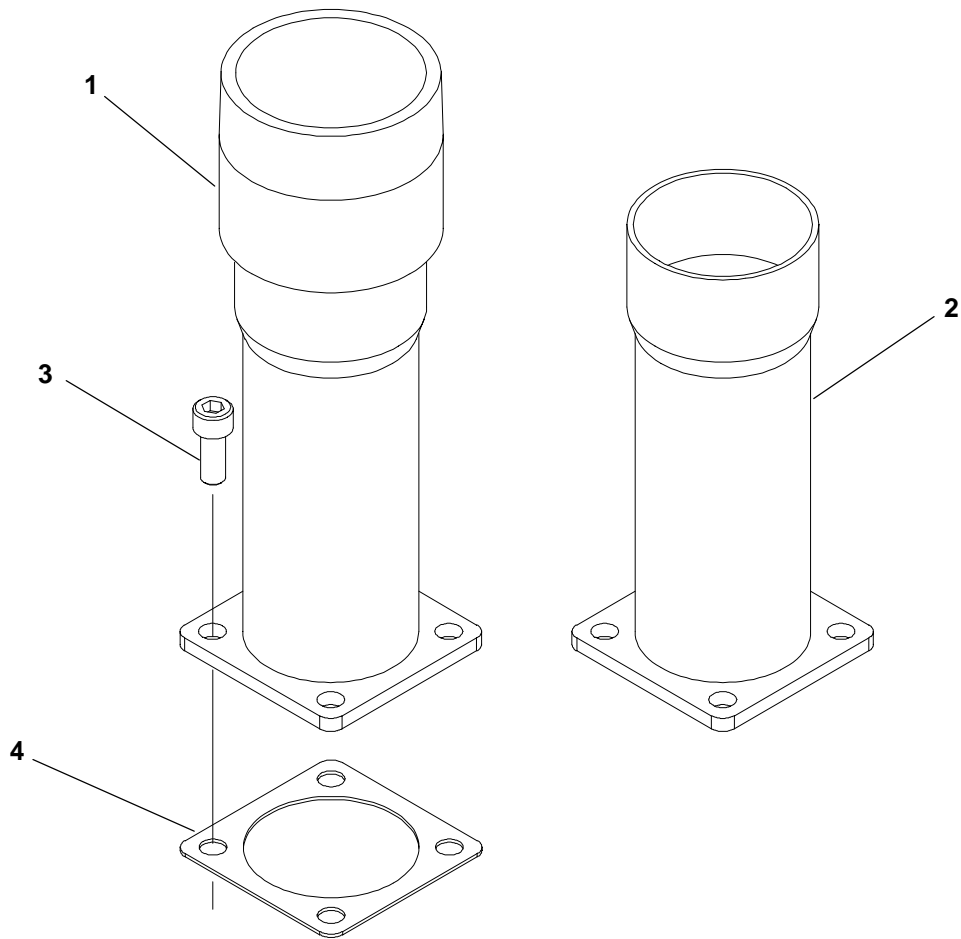
Basin Alarm



H574

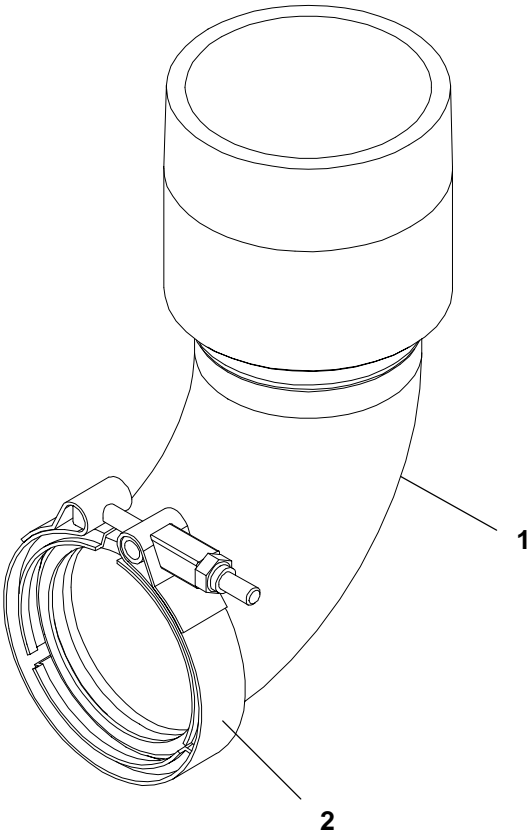
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	308-0916-01	1	Switch, Basin	4	505-1050	1	Plug, Pipe – Square Head (Modified)
2	505-0026	1	Coupling, Pipe	5	332-1992	1	Terminal, Receptacle (.25) (#22-18)
3	505-0069	1	Nipple, Pipe	6	332-2430	1	Terminal, Tab (.25) (#22-18)
	505-1458-02	1	70 gallon tank				
			140 gallon tank				

Exhaust Adapter DGGD



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-3511-01	1	Adapter, Exhaust (For Threaded Exhaust Pipe)	3	802-2507	4	Screw, Cap – Socket Head (M10 x 1.5 x 25)
2	155-3511-02	1	Adapter, Exhaust (For Clamped Slip On Exhaust Pipe)	4	155-3506	1	Gasket, Exhaust

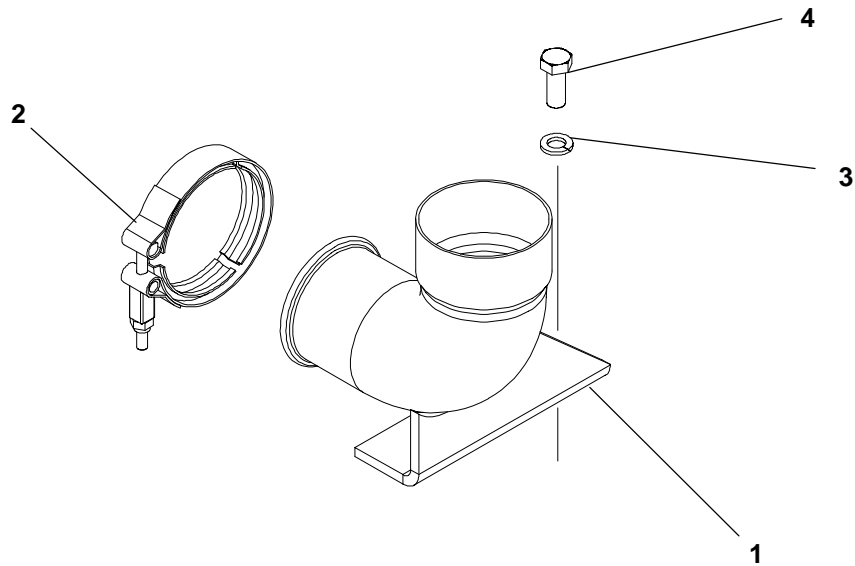
Exhaust Adapter
DGHD, DGHE
Threaded



A299

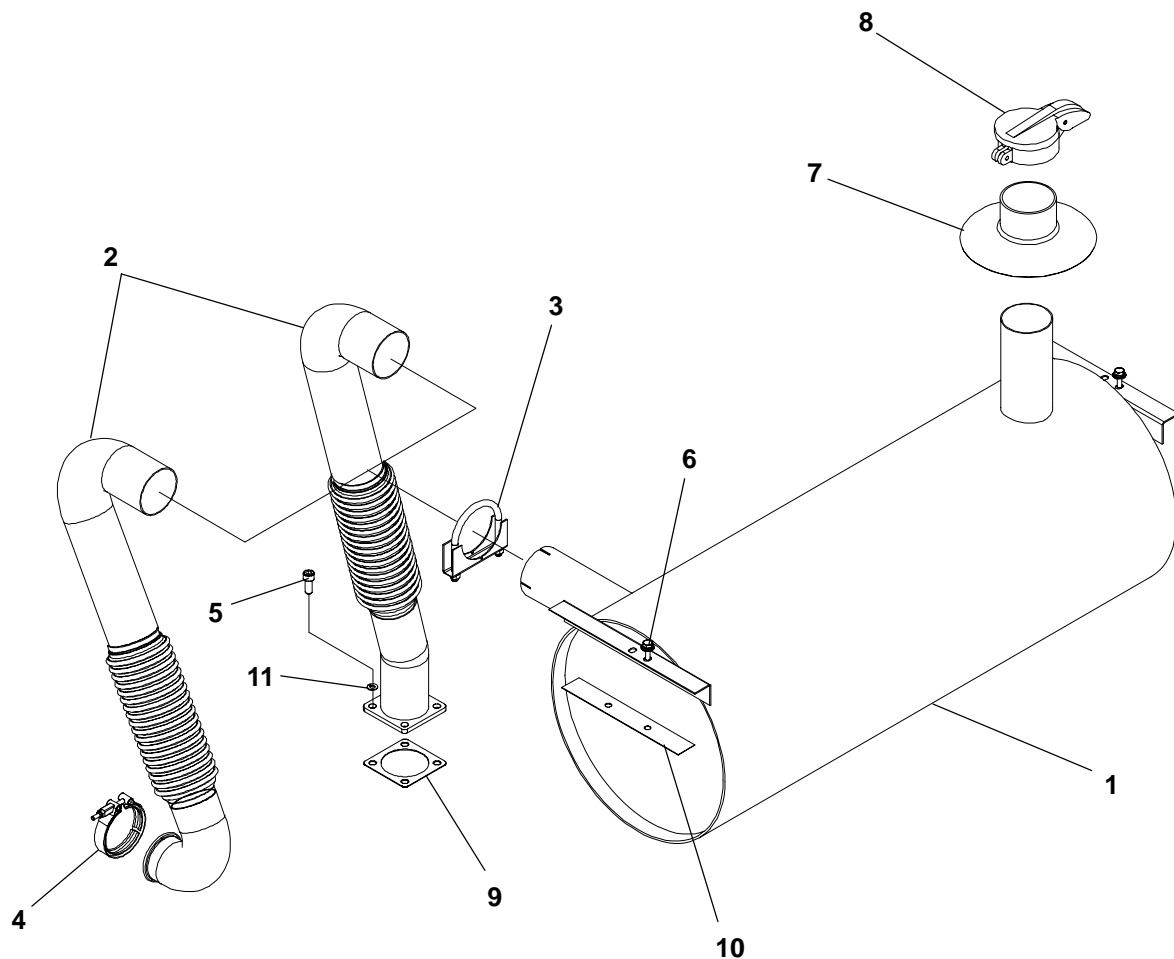
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-3116	1	Adapter, Exhaust (3")	2	155-2565	1	Clamp, V-Band

Exhaust Adapter DGHD, DGHE Slip On



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-3632	1	Pipe, Exhaust	4	800-2086	2	Screw, Cap – Hex Head (M10 x 1.5 x 25)
2	155-2565	1	Clamp, V-Band				
3	850-2010	2	Washer, Lock – Split (M10)				

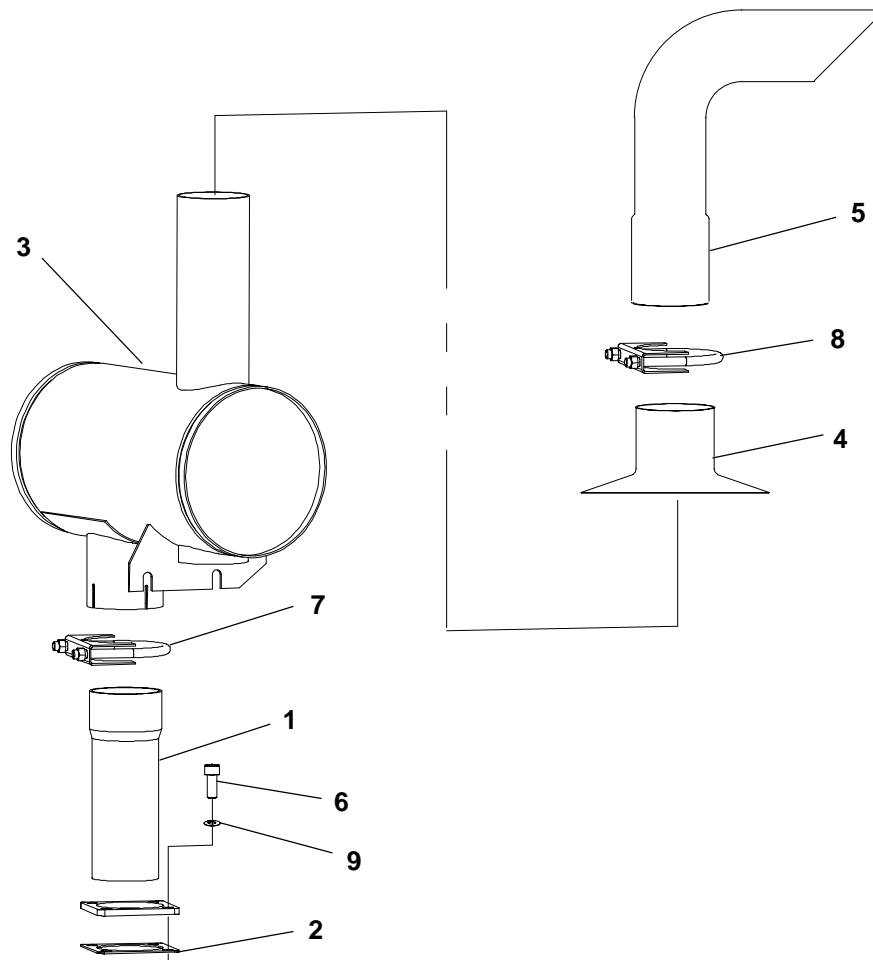
Muffler (F172, F173 Housing)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-3167	1	Muffler
2	155-3507	1	Pipe, Exhaust
	155-3508	1	DGGD, DGHE
3	155-2175	1	Clamp, Muffler
4	155-2565	1	Clamp, V-Band – DGHD, DGHE
5	802-2507	4	Screw, Cap – Socket Head (M10 x 1.5 x 25) – DGGD

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
6	821-6003-02	2	Screw, Cap – Hex Head (M8 x 1.25 x 20)
7	155-3102-02	1	Shield, Rain (3")
8	155-2062-10	1	Cap, Rain (3")
9	155-3506	1	Gasket, Exhaust – DGGD
10	155-3219	2	Gasket, Muffler
11	850-2010	4	Washer, Lock – Spring – DGGD

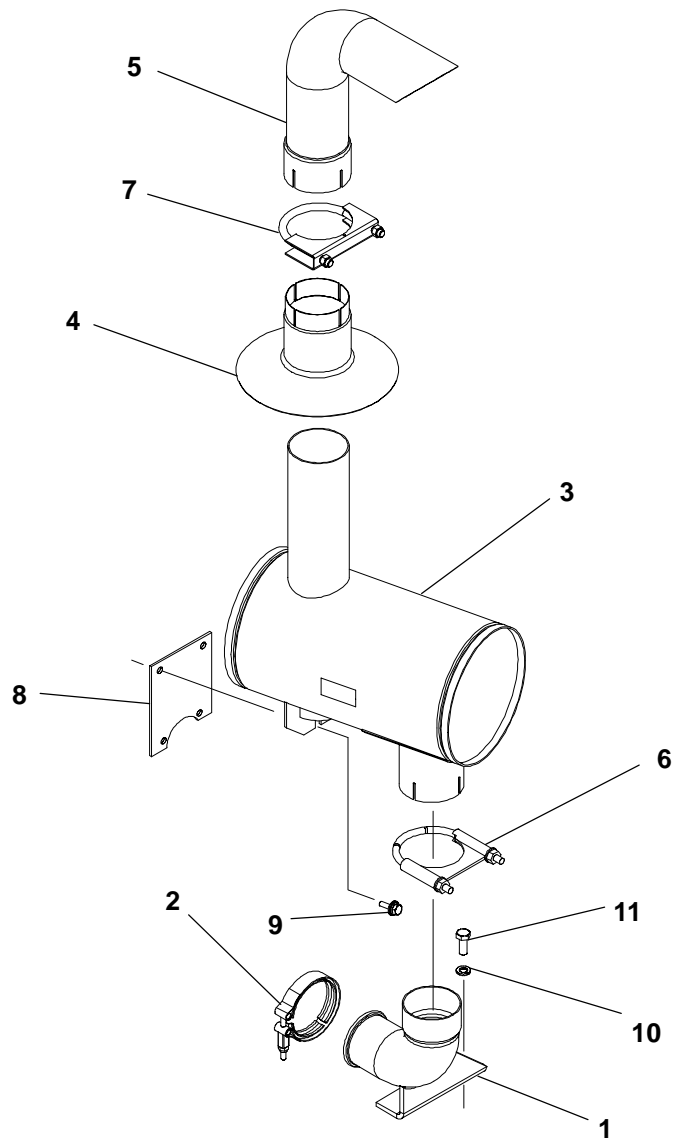
Muffler DGGD (F182 Housing)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-3511-02	1	Adapter, Exhaust
2	155-3506	1	Gasket, Exhaust
3	155-3521	1	Muffler
4	155-3102-02	1	Shield, Rain
5	155-3115	1	Pipe, Outlet

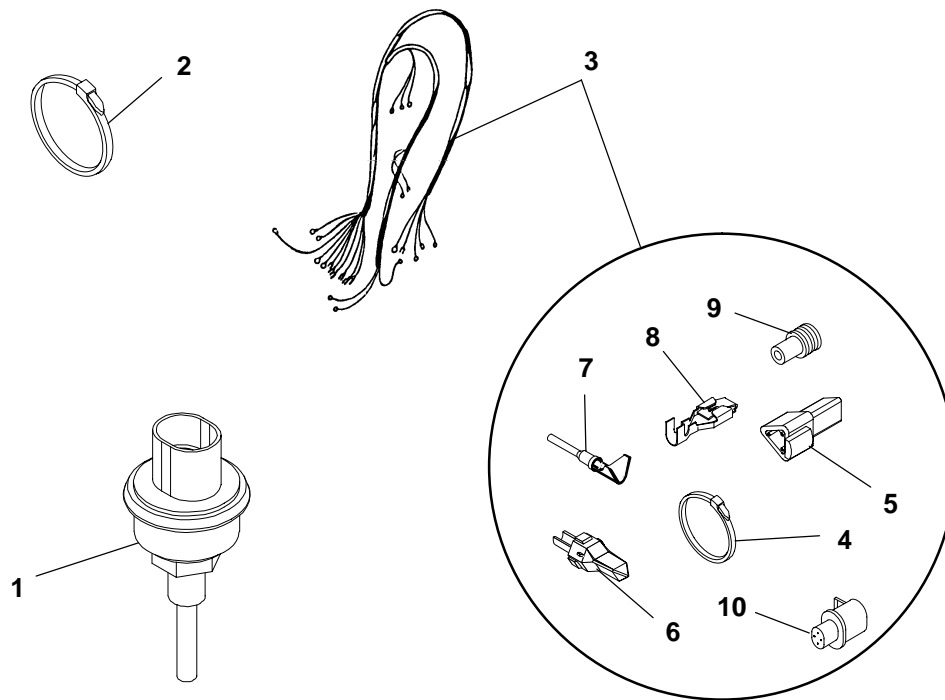
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
6	802-2507	4	Screw, Cap - Socket Head (M10 x 1.5 x 25)
7	155-2175	1	Clamp, Muffler
8	155-3260	1	Clamp, Muffler
9	850-2010	4	Washer, Lock - Split (M10)

**Muffler
DGHD, DGHE
(F182 Housing)**



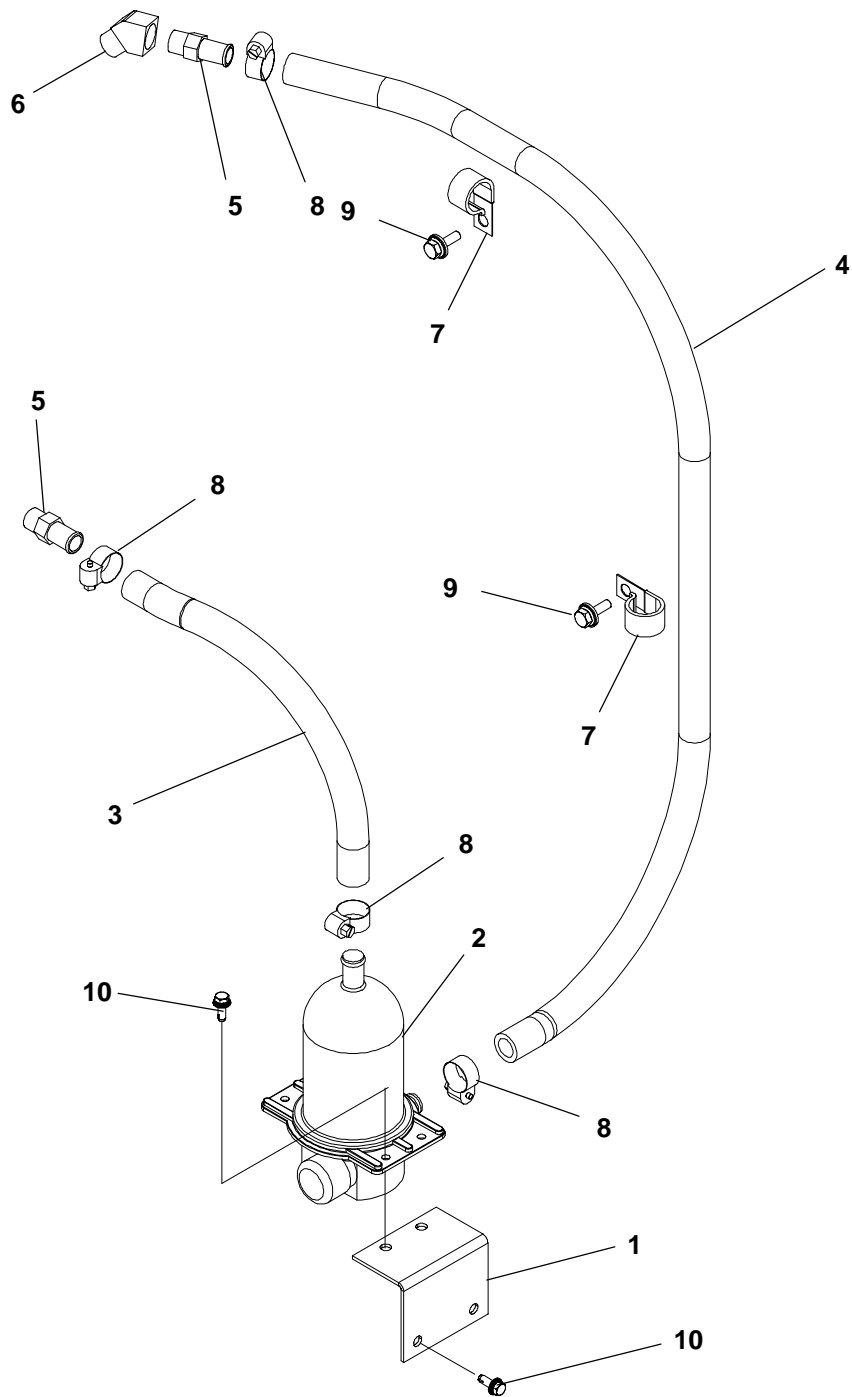
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-3632	1	Pipe, Exhaust	8	155-3628-02	1	Bracket, Muffler
2	155-2565	1	Clamp, V-Band	9	821-6003-02	2	Screw, Hex Head (M8 x 1.25 x 20)
3	155-3521	1	Muffler	10	850-2010	2	Washer, Lock – Split (M10)
4	155-3102-02	1	Shield, Rain	11	800-2086	2	Screw, Cap – Hex Head (M10 x 1.5 x 25)
5	155-3115	1	Pipe, Outlet				
6	155-2175	1	Clamp, Muffler				
7	155-3260	1	Clamp, Muffler				

Low Coolant Level Sender



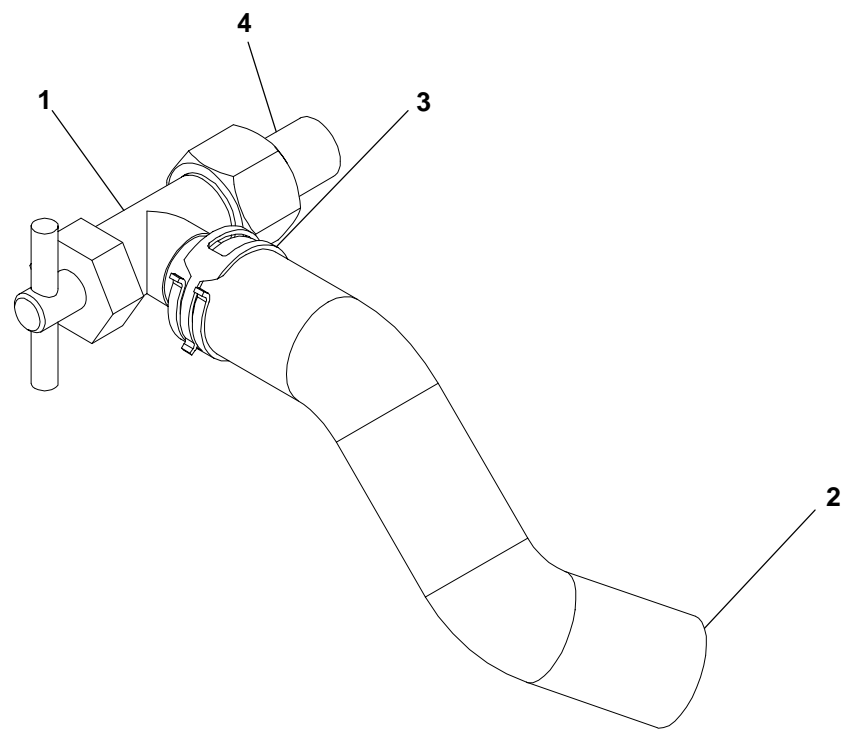
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	193-0468	1	Sender, Low Coolant Level (S7)	5	323-1494	1	Connector, Receptacle
2	332-1389	3	Tie, Cable	6	323-1502	1	Wedge, Receptacle
3	338-4178-01	1	Harness, Low Coolant Level Sender (30.00") (Includes the Following Parts)	7	323-1491	3	Pin, Contact (S7)
4	332-3388	1	Tie, Cable	8	323-1709	4	Socket, Contact
				9	323-1708	4	Seal, Cable
				10	323-1765	1	Housing, Connector (4 Pin)

Coolant Heater



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	333-0585	1	Bracket, Heater	6	502-1173	1	Elbow, Pipe – 45°
2	333-0588-01	1	Heater, Engine Coolant 120 Volt	7	332-2634	2	Clamp, "J"
	333-0588-02	1	208/240 Volt	8	503-0183	4	Clamp, Hose
3	503-2293-06	1	Hose, Coolant	9	821-6003-02	2	Screw, Hex Head (M8 x 1.25 x 20)
4	503-2293-07	1	Hose, Coolant	10	821-6006-01	4	Screw, Hex Head – Stainless Steel (M6 x 1.0 x 16)
5	502-0943	2	Connector, Hose (3/8 x 5/8)				

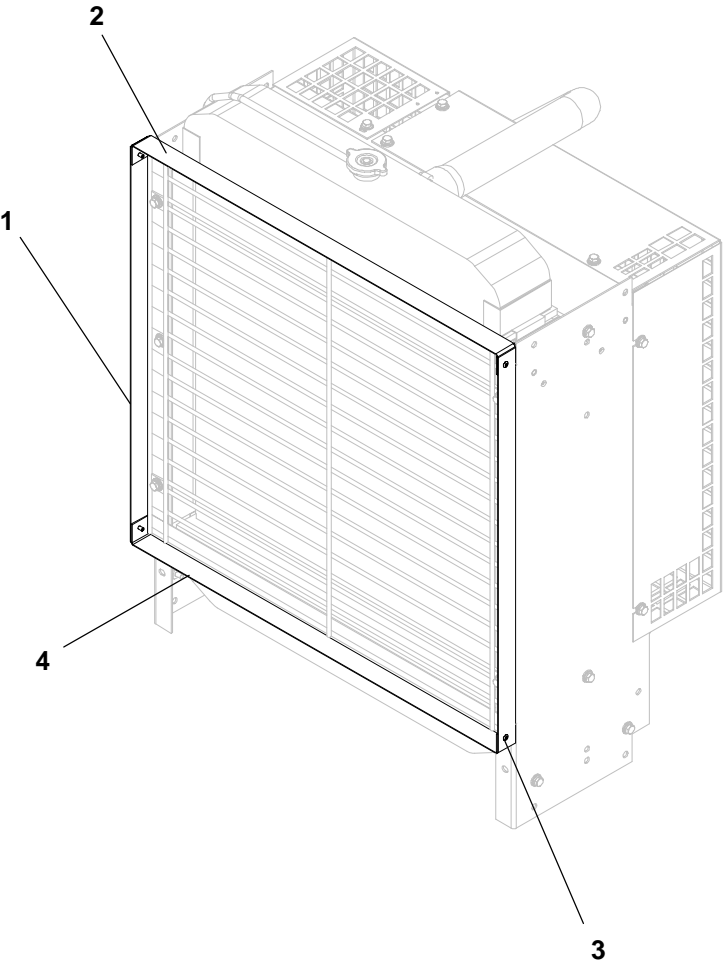
Coolant Drain



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	504-0176	1	Valve, Drain
2	503-0386	—	Hose, Engine Coolant – Bulk (Order by the Foot – 3 Feet Required)

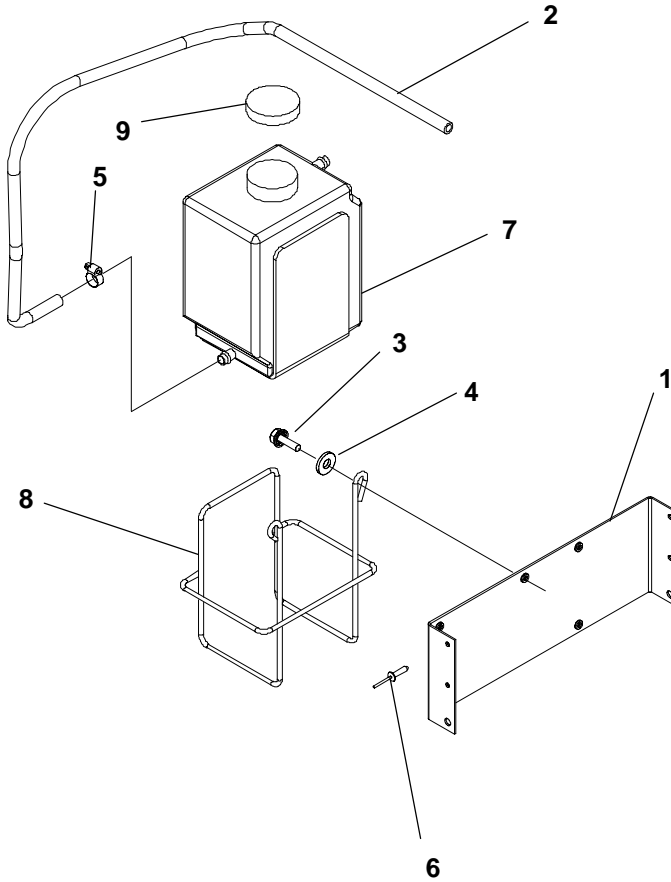
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
3	503-0131	1	Clamp, Hose
4	502-0426-01	1	Adapter, Pipe

Duct Adapter



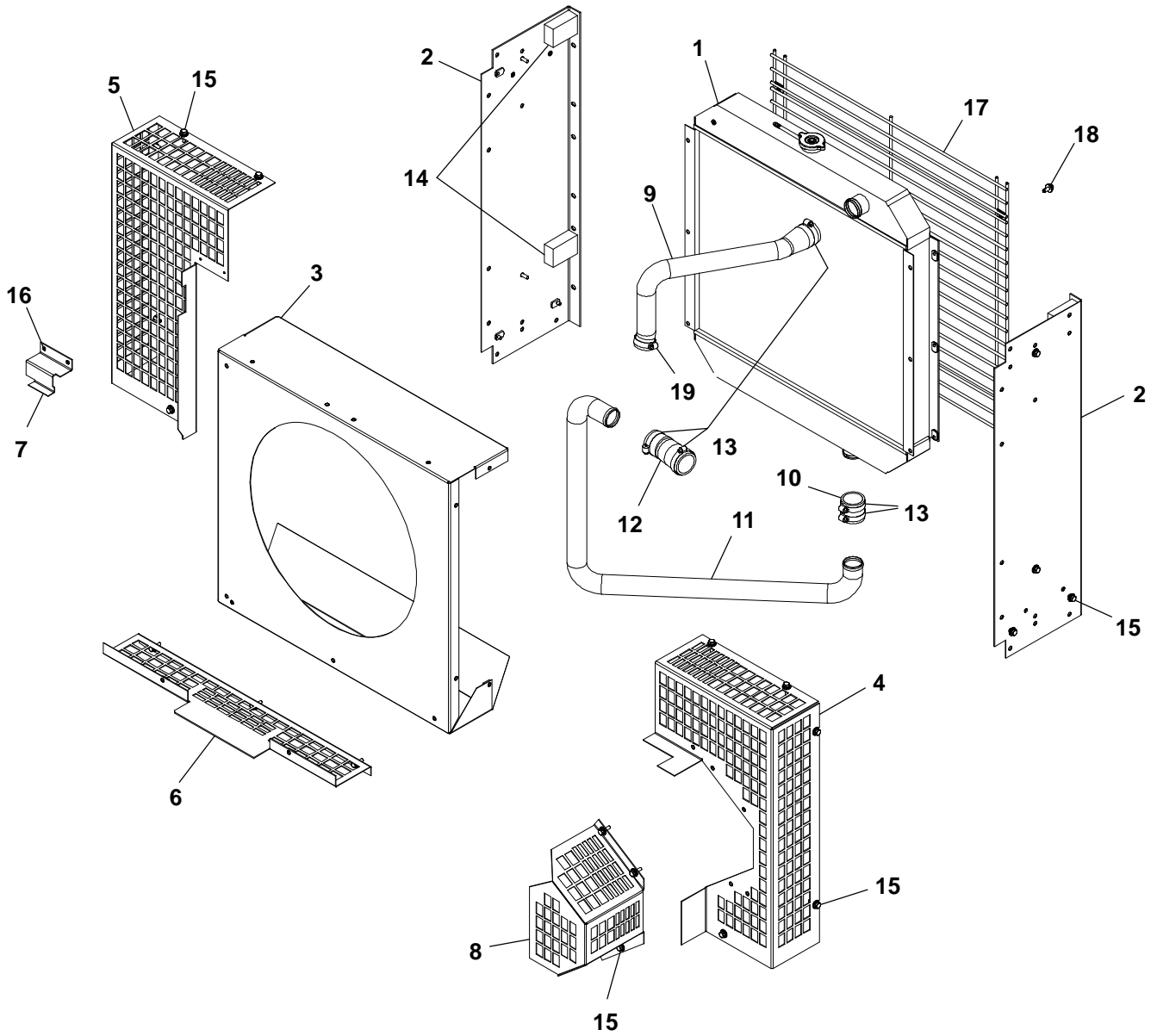
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-4623	2	Adapter, Duct – Side	3	818-0231-02	4	Rivet, Pop
2	130-4622	1	Adapter, Duct – Top	4	130-5115-02	1	Adapter, Duct – Bottom

Overflow Tank



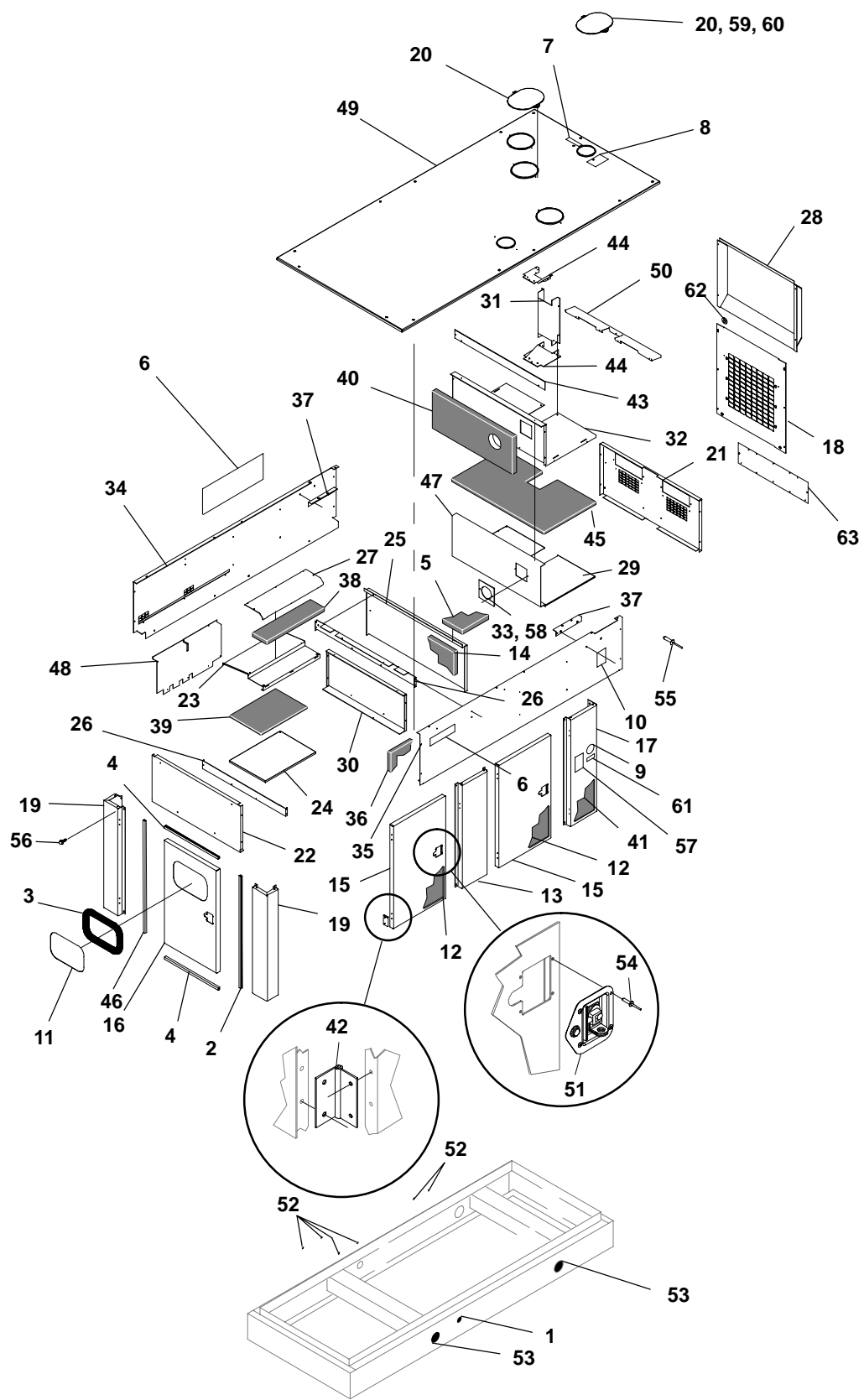
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-4878	1	Bracket, Tank – Housed Sets	3	821-6002-03	2	Screw, Hex Head (M6 x 1 x 16)
2			Hose, Overflow – Bulk (Order by the Foot)	4	526-0399-13	2	Washer, Flat
	503-0276	–	Unhoused Sets – 3 Feet Required	5	503-0685	1	Clamp, Hose
	503-0276	–	Housed Sets – 5 Feet Required	6	818-0231-02	4	Rivet, Pop – Housed Sets
				7	130-3570	1	Tank, Coolant
				8	130-3571	1	Hanger, Tank
				9	130-3572	1	Cap, Tank

Radiator



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-5114-02	1	Radiator	12	503-2245	1	Hose, Radiator – Adapter
2	130-4759	2	Housing, Side	13	503-0365	5	Clamp, Hose
3	130-5500-02	1	Shroud	14	130-5285	1	Block, Air Bypass
4	130-5501-02	1	Guard, Fan – Left	15	821-6003-02	24	Screw, Hex Head (M8 x 1.25 x 20)
5	130-5502-02	1	Guard, Fan – Right	16	818-0231-02	2	Rivet, Pop
6	130-5503-02	1	Guard, Fan – Bottom	17	130-4602	1	Grille (Unhoused Sets)
7	130-5514-02	1	Guard, Belt	18	821-6007-02	6	Screw, Hex Head – Stainless
8	191-2323-02	1	Guard, Alternator				Steel (M8 x 1.25 x 20)
9	503-2243	1	Hose, Radiator – Upper				(Unhoused Sets)
10	503-1391-02	1	Hose, Radiator	19	503-0398	1	Clamp, Hose
11	130-5505-02	1	Hose, Radiator – Lower				

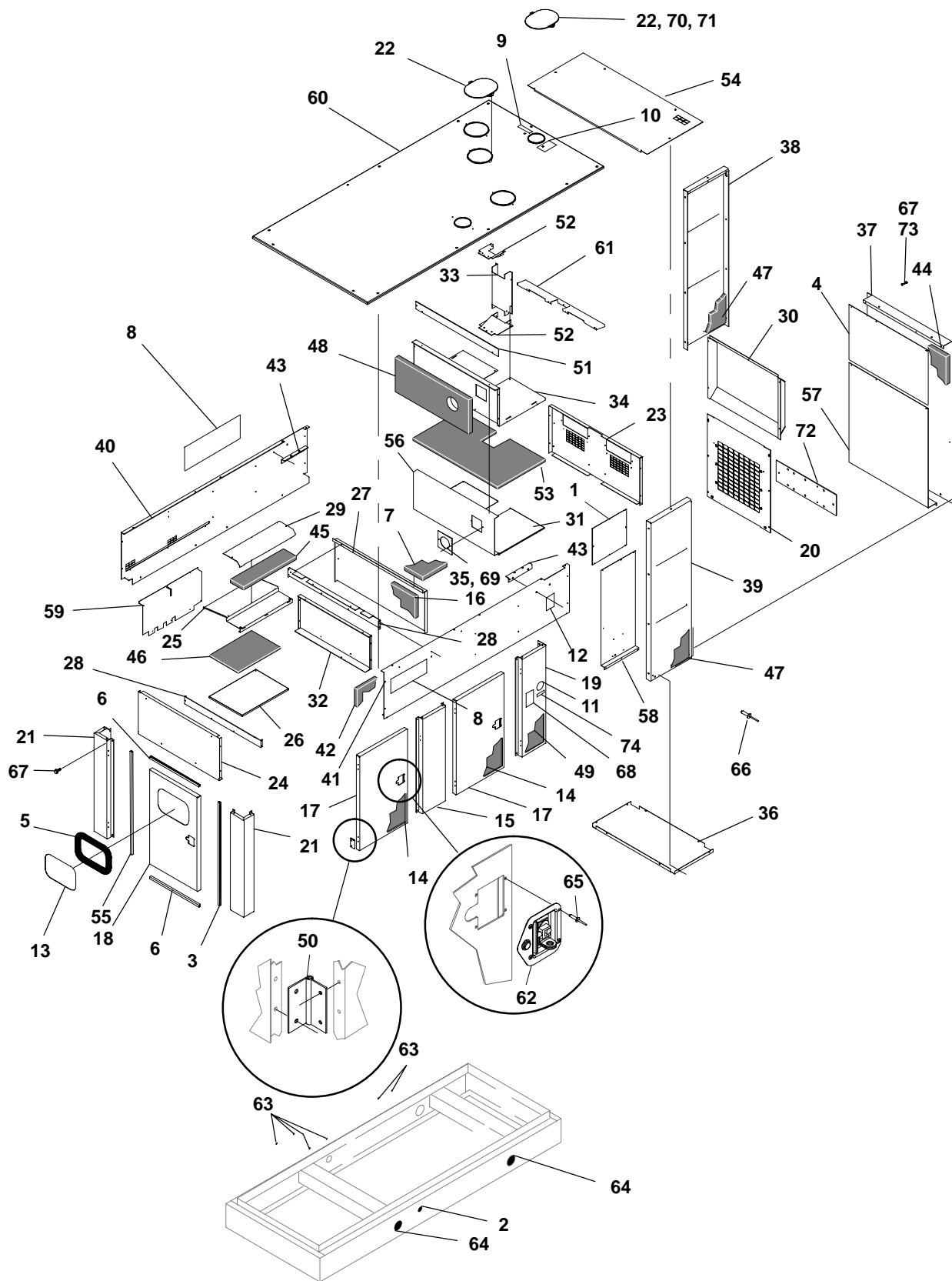
Housing (F172)



Housing (F172)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	517-0138-07	2	Plug, Hole	31	405-6030	1	Tube, Fill – Radiator
2	895-0385	5	Weather Seal – Side	32	405-5966	1	Box, Muffler
3	895-0363	–	Weather Strip – Window – Bulk (Order By The Foot – 5 Feet Required)	33	405-5987	1	Cover, Exhaust Inlet
4	895-0384	11	Weather Seal – Top & Bottom	34	405-5996	1	Extension, Side – RH
5	405-6001-01	1	Insulation	35	405-5995	1	Extension, Side – LH
6	098-7913	2	Label, Logo	36	405-5997	1	Insulation
7	098-5429	1	Label, Coolant Fill	37	405-5998	2	Support, Muffler
8	098-4730	1	Label, Caution	38	405-6000-02	1	Insulation
9	098-4500	2	Label, Prototype Tested	39	405-6000-03	1	Insulation
10	098-7451	2	Label, Caution	40	405-6109	1	Insulation
11	319-2653	1	Window, Control (if equipped)	41	405-6000-06	2	Insulation
12	405-5734	4	Insulation, Door	42	406-0831	10	Hinge, Housing
13	405-5745	2	Post, Housing – Center	43	405-6029	1	Baffle
14	405-5841	2	Insulation	44	405-6003	2	Box, Radiator Fill
15			Door, Housing	45	405-6005	1	Insulation
	405-5902	4	Sets W/Window	46	895-0386	5	Weather Seal – Side
	405-5902	5	Sets WO/Window	47	405-6034	1	Retainer, Insulation
16	405-5903	1	Door, Housing W/Window Cutout	48	405-6015	1	Retainer, Insulation
17	405-5908	2	Panel, Side – Radiator Housing	49	405-6018	1	Roof
18	405-5910	1	Panel, Front – Radiator Housing	50	405-6068	1	Baffle, Recirculation – Muffler
19	405-5916	2	Post, Corner – Housing	51	406-0972-01	5	Latch, Door
20	155-3238	4	Cover, Exhaust	52	517-0131	6	Plug, Hole
21	405-5952	1	Extension, Front	53	517-0322	4	Plug, Hole
22	405-5953	1	Extension, Rear	54	818-0231-02	111	Rivet (3/16")
23	405-5954	1	Baffle, Air	55	818-0237-01	32	Rivet (1/8")
24	405-5955	1	Retainer, Insulation	56	821-6007-02	47	Screw (M8 x 20)
25	405-5956	1	Support, Center	57	098-4732	2	Label, Warning
26	405-5957	2	Angle, Support	58	526-0011	2	Washer, Flat (.203)
27	405-5958	1	Retainer, Insulation	59	870-0504	2	Nut, Captive Floating (M6 x 1.0)
28	405-6035	1	Baffle, Air – Discharge	60	821-6006-01	2	Screw, Hex Head (M6 x 16)
29	405-5960	1	Retainer, Insulation	61	098-7868	1	Label
30	405-5961	2	Retainer, Insulation	62	526-0451	2	Washer, Flat
				63	403-4215	1	Cover, Stub Up

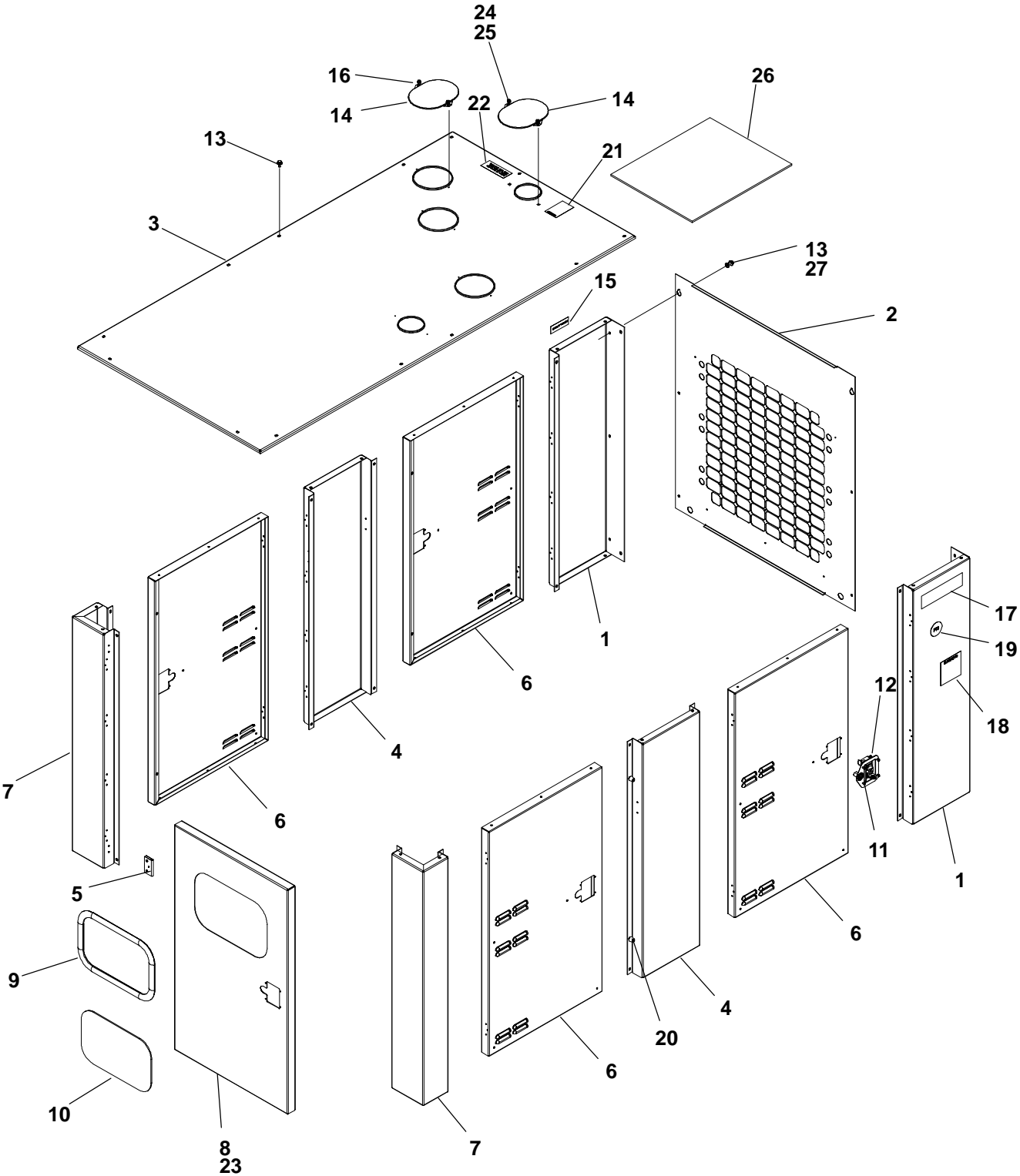
Housing (F173)



Housing (F173)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-6044	2	Retainer, Insulation	36	405-5988	1	Panel, Bottom
2	517-0138-07	2	Plug, Hole	37	405-5990	1	Cover, Air Discharge
3	895-0385	5	Weather Seal – Side	38	405-5991-01	1	Side, Discharge – RH
4	405-6132	1	Retainer, Insulation	39	405-5991-02	1	Side, Discharge – LH
5	895-0363	–	Weather Strip – Window – Bulk (Order By The Foot – 4 Feet Required)	40	405-5996	1	Extension, Side – RH
6	895-0384	12	Weather Seal – Top & Bottom	41	405-5995	1	Extension, Side – LH
7	405-6001-01	1	Insulation	42	405-5997	1	Insulation
8	098-7913	2	Label, Logo	43	405-5998	2	Support, Muffler
9	098-5429	1	Label, Coolant Fill	44	405-6000-07	1	Insulation
10	098-4730	1	Label, Caution	45	405-6000-02	1	Insulation
11	098-4500	2	Label, Prototype Tested	46	405-6000-03	1	Insulation
12	098-7451	2	Label, Caution	47	405-6000-04	2	Insulation
13	319-2653	1	Window, Control (If Equipped)	48	405-6109	1	Insulation
14	405-5734	4	Insulation, Door	49	405-6000-06	2	Insulation
15	405-5745	2	Post, Housing – Center	50	406-0831	10	Hinge, Housing
16	405-5841	2	Insulation	51	405-6029	1	Baffle
17			Door, Housing	52	405-6003	2	Box, Radiator Fill
	405-5902	4	Sets W/Window	53	405-6005	1	Insulation
	405-5902	5	Sets WO/Window	54	405-6010	1	Cover, Air Discharge (Top)
18	405-5903	1	Door, Housing W/Window Cutout	55	895-0386	5	Weather Seal – Side
19	405-5908	2	Panel, Side – Radiator Housing	56	405-6034	1	Retainer, Insulation
20	405-5910	1	Panel, Front – Radiator Housing	57	405-6013	1	Retainer, Insulation
21	405-5916	2	Post, Corner – Housing	58	405-6014	2	Retainer, Insulation
22	155-3238	4	Cover, Exhaust	59	405-6015	1	Retainer, Insulation
23	405-5952	1	Extension, Front	60	405-6018	1	Roof
24	405-5953	1	Extension, Rear	61	405-6068	1	Baffle, Recirculation – Muffler
25	405-5954	1	Baffle, Air	62	406-0972-01	5	Latch, Door
26	405-5955	1	Retainer, Insulation	63	517-0131	6	Plug, Hole
27	405-5956	1	Support, Center	64	517-0322	4	Plug, Hole
28	405-5957	2	Angle, Support	65	818-0231-02	111	Rivet (3/16")
29	405-5958	1	Retainer, Insulation	66	818-0237-01	66	Rivet (1/8")
30	405-6035	1	Baffle, Air Discharge	67	821-6007-02	65	Screw (M8 x 20)
31	405-5960	1	Retainer, Insulation	68	098-4732	2	Label, Warning
32	405-5961	2	Retainer, Insulation	69	526-0011	2	Washer, Flat (.203)
33	405-6030	1	Tube, Fill – Radiator	70	870-0504	2	Nut, Captive Floating (M6 x 1.0)
34	405-5966	1	Box, Muffler	71	821-6006-01	2	Screw, Hex Head (M6 x 16)
35	405-5987	1	Cover, Exhaust Inlet	72	403-4215	1	Cover, Stub Up
				73	526-0451	2	Washer, Flat – Stainless Steel
				74	098-7868	1	Label

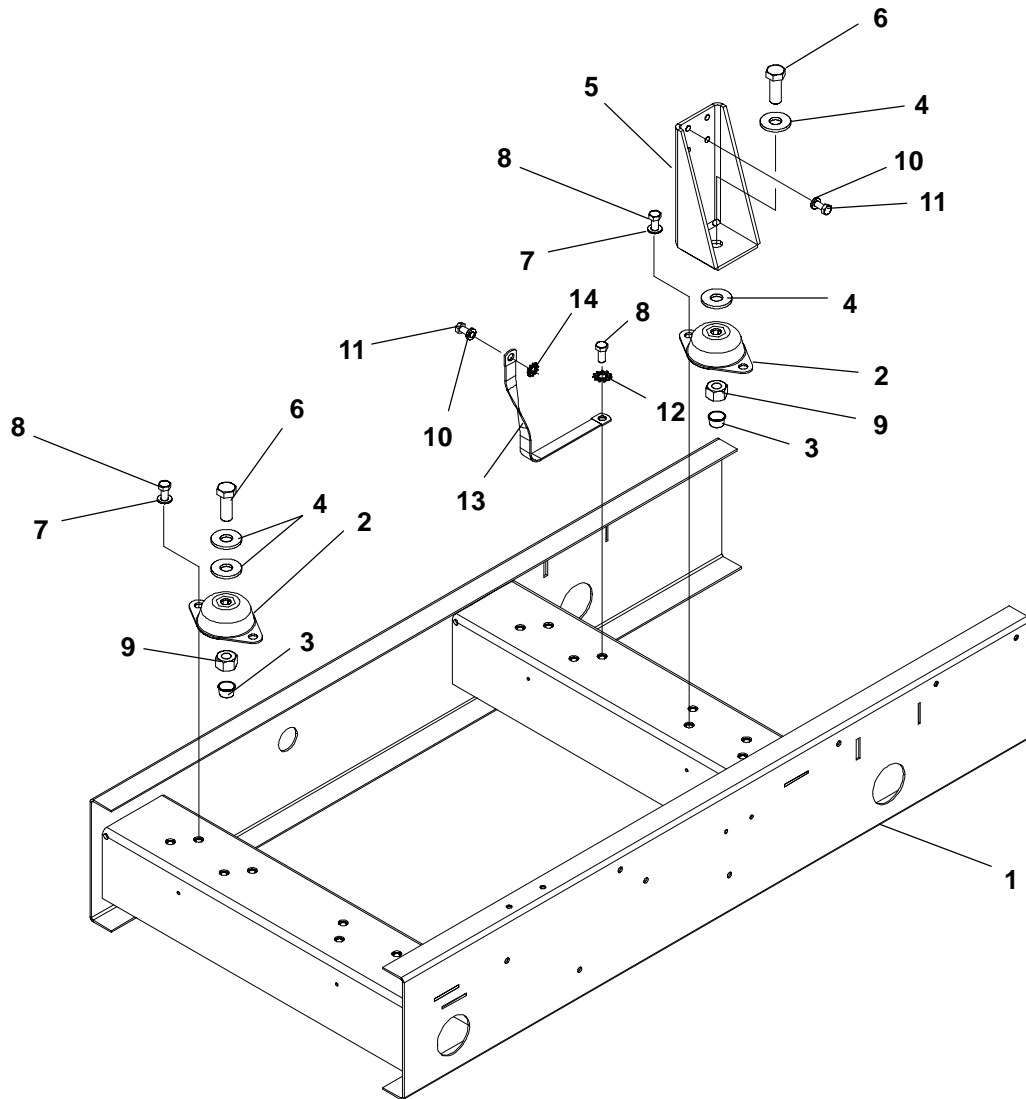
Housing
(F182)



Housing (F182)

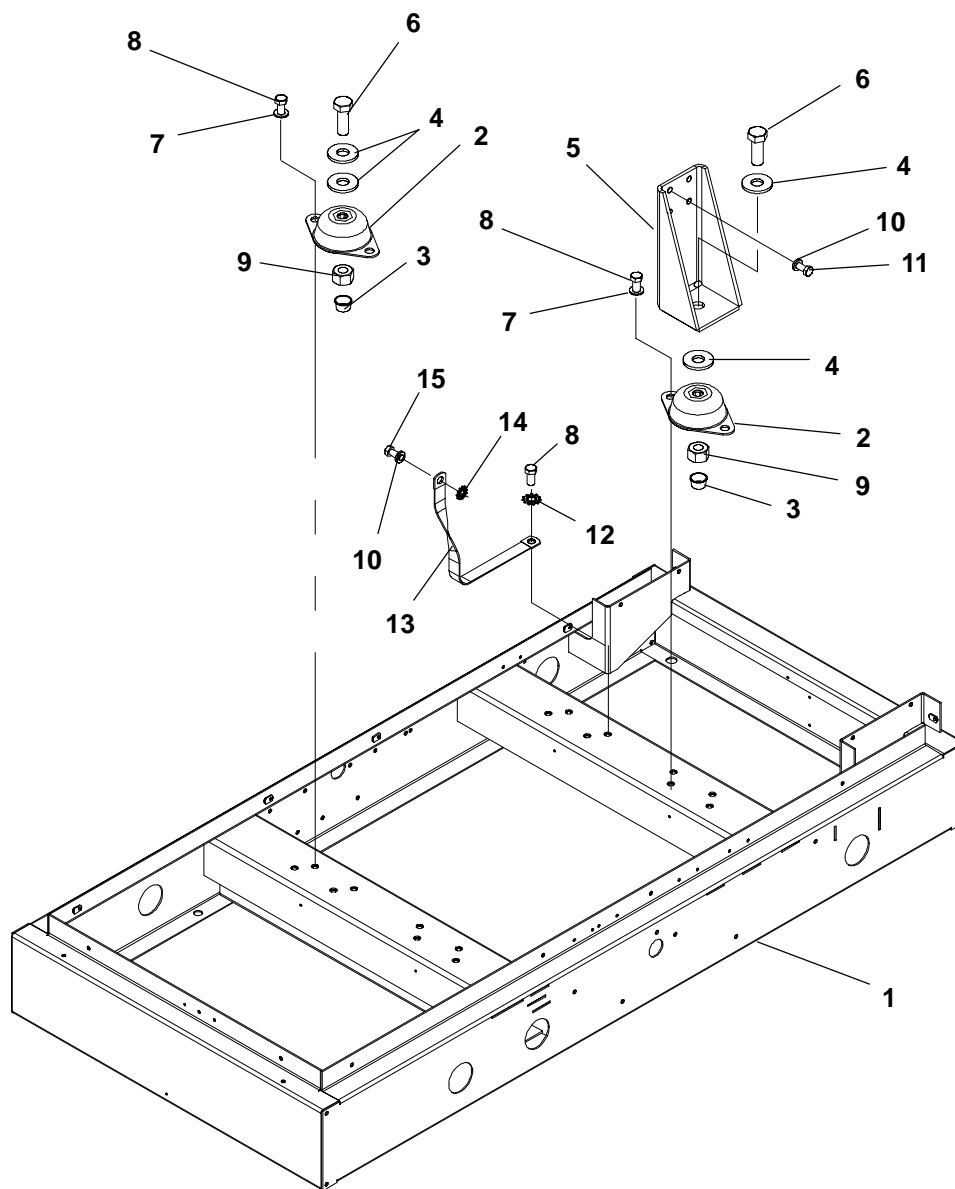
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-5908	2	Panel, Side – Radiator Housing	14	155-3238	4	Cover, Exhaust
2	405-5910	1	Panel, Front – Radiator Housing	15	098-7868	1	Label
3	405-6018	1	Roof	16	818-0237-01	6	Rivet, Pop
4	405-5745	2	Post, Housing – Center	17	098-7902-03	2	Label, Logo
5	406-0831	10	Hinge, Housing	18	098-4732	2	Label, Warning
6	405-5832	4	Door, Housing	19	098-4500	2	Label, Prototype
7	405-5916	2	Corner, Post – Housing	20	895-0382	10	Bumper, Door
8	405-5903	1	Door, Housing – W/Window Cutout	21	098-4730	1	Label, Warning
9	895-0363	–	Weather Strip – Window – Bulk (Order By The Foot – 4 Feet Required)	22	098-5429	1	Label, Coolant Fill
10	319-2653	1	Window, Control (If Equipped)	23	405-5902	1	Door, Housing – W/O Window Cutout
11	818-0231-02	60	Rivet, Pop	24	870-0504	2	Nut, Captive – Floating (M5 x 1.0)
12	406-0972-01	5	Latch	25	821-6006-01	2	Screw, Hex Head (M6 x 1.0 x 16)
13	821-6007-02	28	Screw, Hex Head (M8 x 1.25 x 20)	26	128-0154-02	1	Insulation, Foam
				27	526-0451	2	Washer, Flat (M8)

Skid – Basic



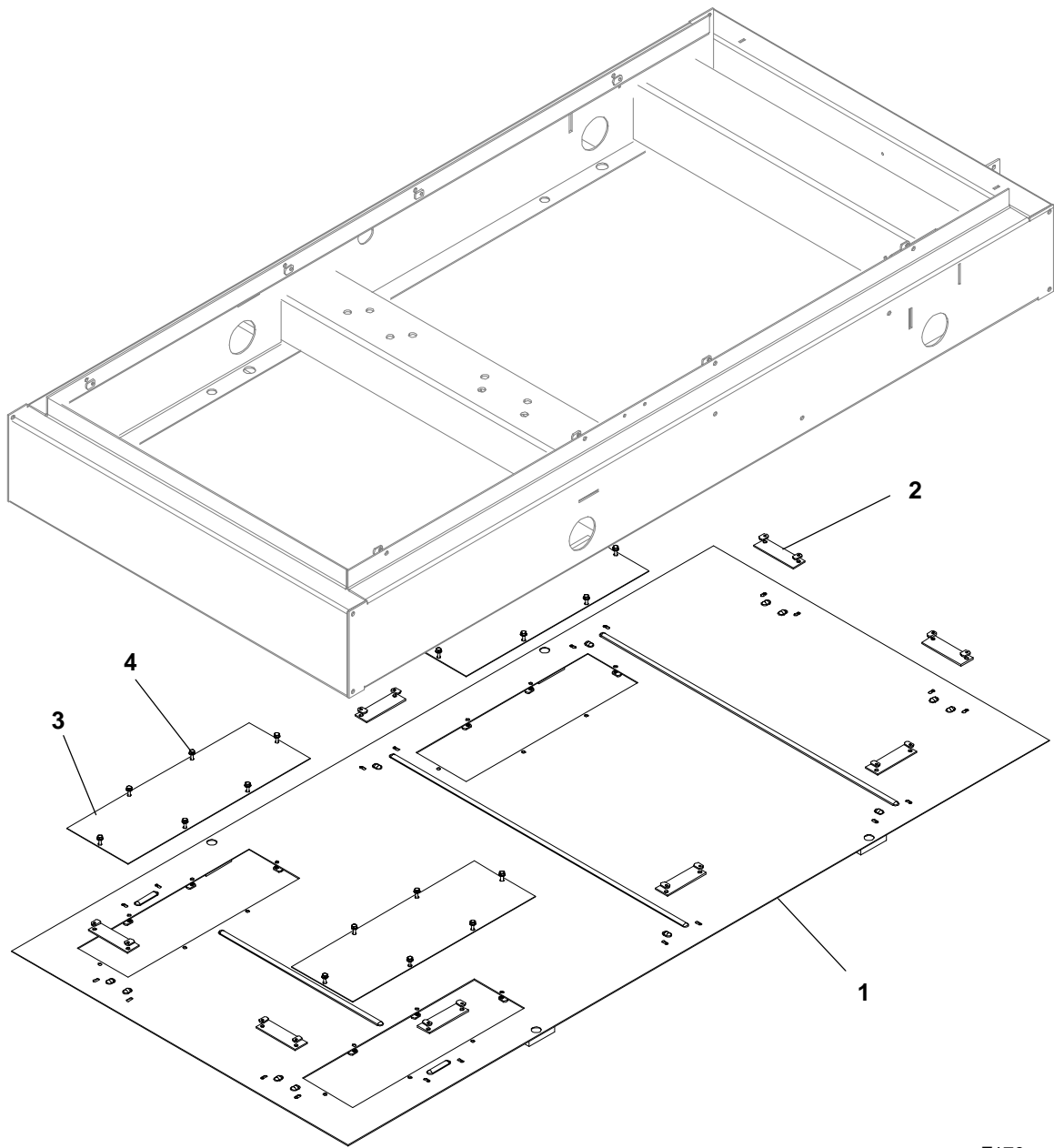
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	403-4616-02	1	Skid	8	800-2543-02	9	Screw, Cap – Hex Head (M12 x 1.75 x 25)
2	402-0779-02	4	Cushion, Mounting – Vibration Isolation	9	862-0044	4	Nut, Hex (3/4 x 10)
3	517-0094	4	Plug, Hole	10	526-0174	9	Washer, Flat (3.4)
4	526-0238-01	8	Washer, Flat (3/4)	11	800-2530-03	9	Screw, Cap – Hex Head (M10 x 1.5 x 25)
5	403-4617-02	2	Bracket, Engine	12	856-0013	1	Washer, Lock – W/EIT (1/2)
6	800-0607	4	Screw, Cap – Hex Head (3/4-10 x 2)	13	337-0090	1	Strap, Electrical
7	526-0433	8	Washer, Hardened	14	856-0010	1	Washer, Lock – W/EIT (3/8)

Skid – Housing Ready/Fuel Tank Ready



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	403-4615-02	1	Skid	9	862-0044	4	Nut, Hex (3/4 x 10)
2	402-0779-02	4	Cushion, Mounting – Vibration Isolation	10	526-0174	9	Washer, Flat (3.4)
3	517-0094	4	Plug, Hole	11	800-2530-03	8	Screw, Cap – Hex Head (M10 x 1.5 x 25)
4	526-0238-01	8	Washer, Flat (3/4)	12	856-0013	1	Washer, Lock – W/EIT (1/2)
5	403-4617-02	2	Bracket, Engine	13	337-0090	1	Strap, Electrical
6	800-0607	4	Screw, Cap – Hex Head (3/4-10 x 2)	14	856-0010	1	Washer, Lock – W/EIT (3/8)
7	526-0433	8	Washer, Hardened	15	800-2086	1	Screw, Cap – Hex Head (M10 x 1.5 x 25)
8	800-2543-02	9	Screw, Cap – Hex Head (M12 x 1.75 x 25)				

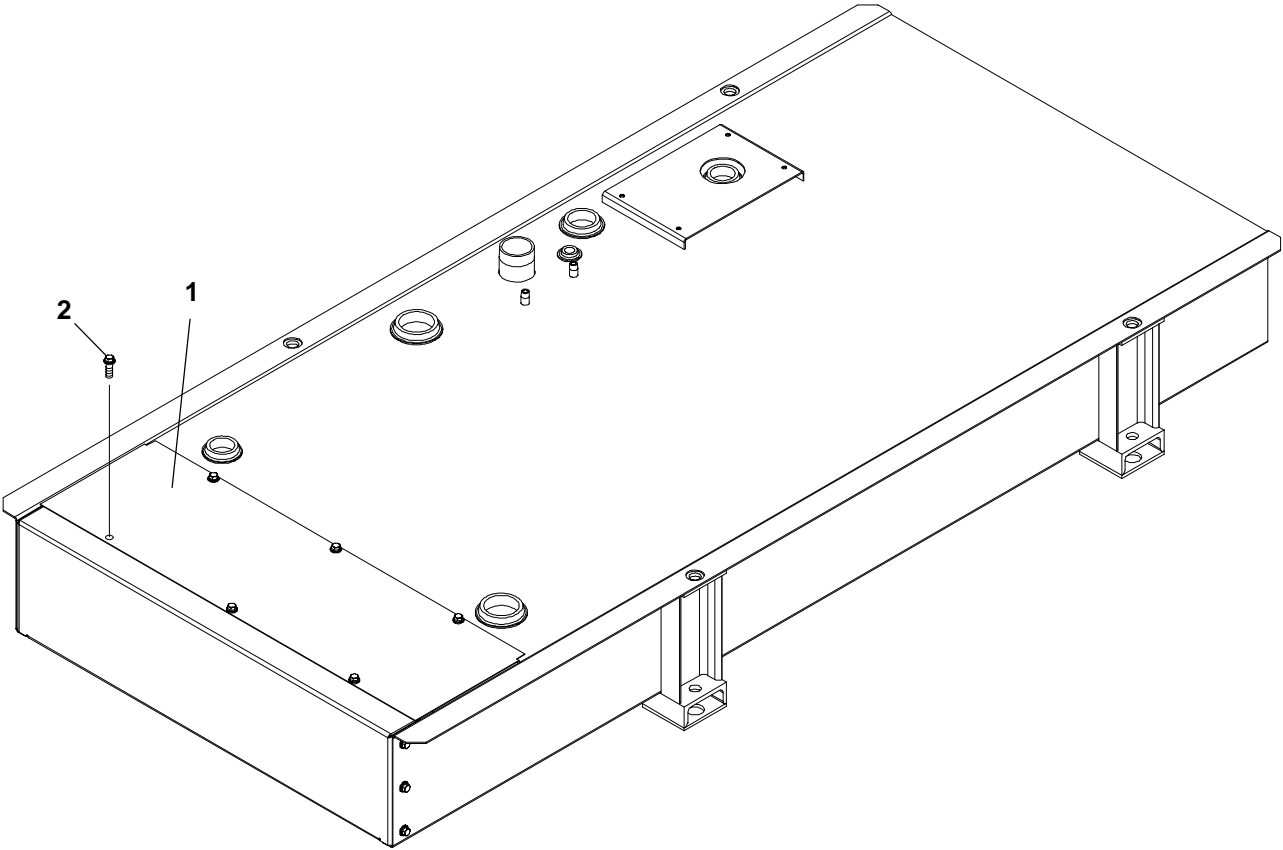
Skid Pan



F170

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	403-4107	1	Pan, Skid	4	821-6002-03	38	Screw, SEMS – Hex Head (M6 x 1 x 16)
2	403-4110	10	Clamp				
3	403-4116	3	Cover, Stub Up				

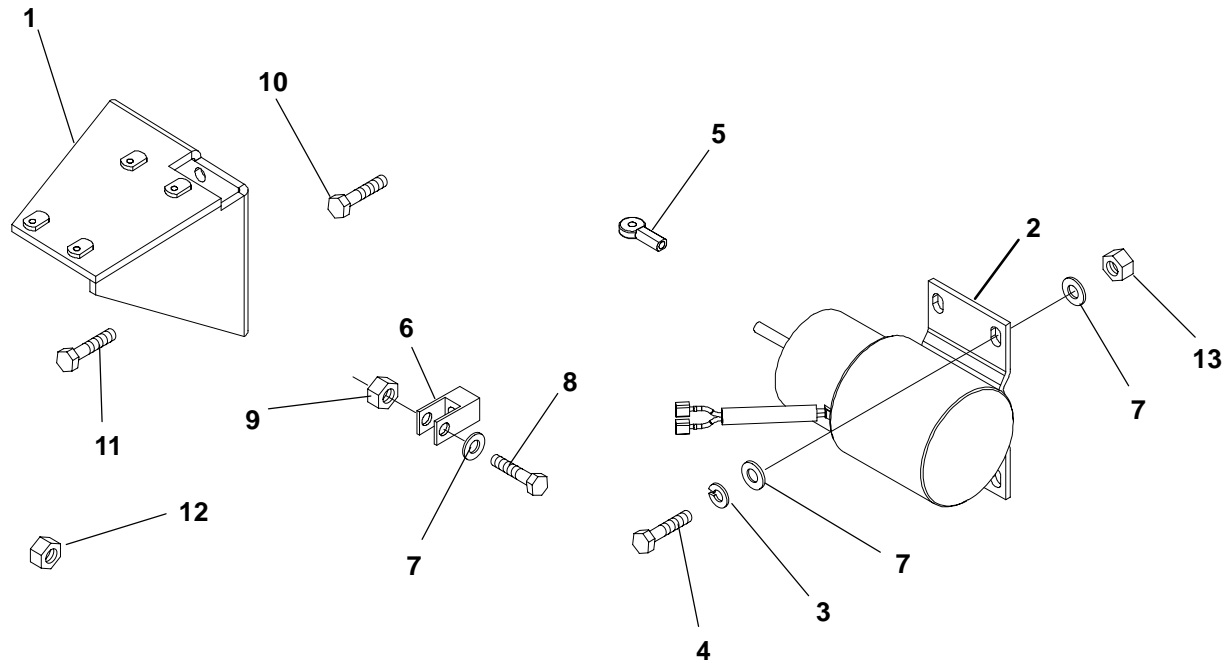
Sound Barrier



F172,173

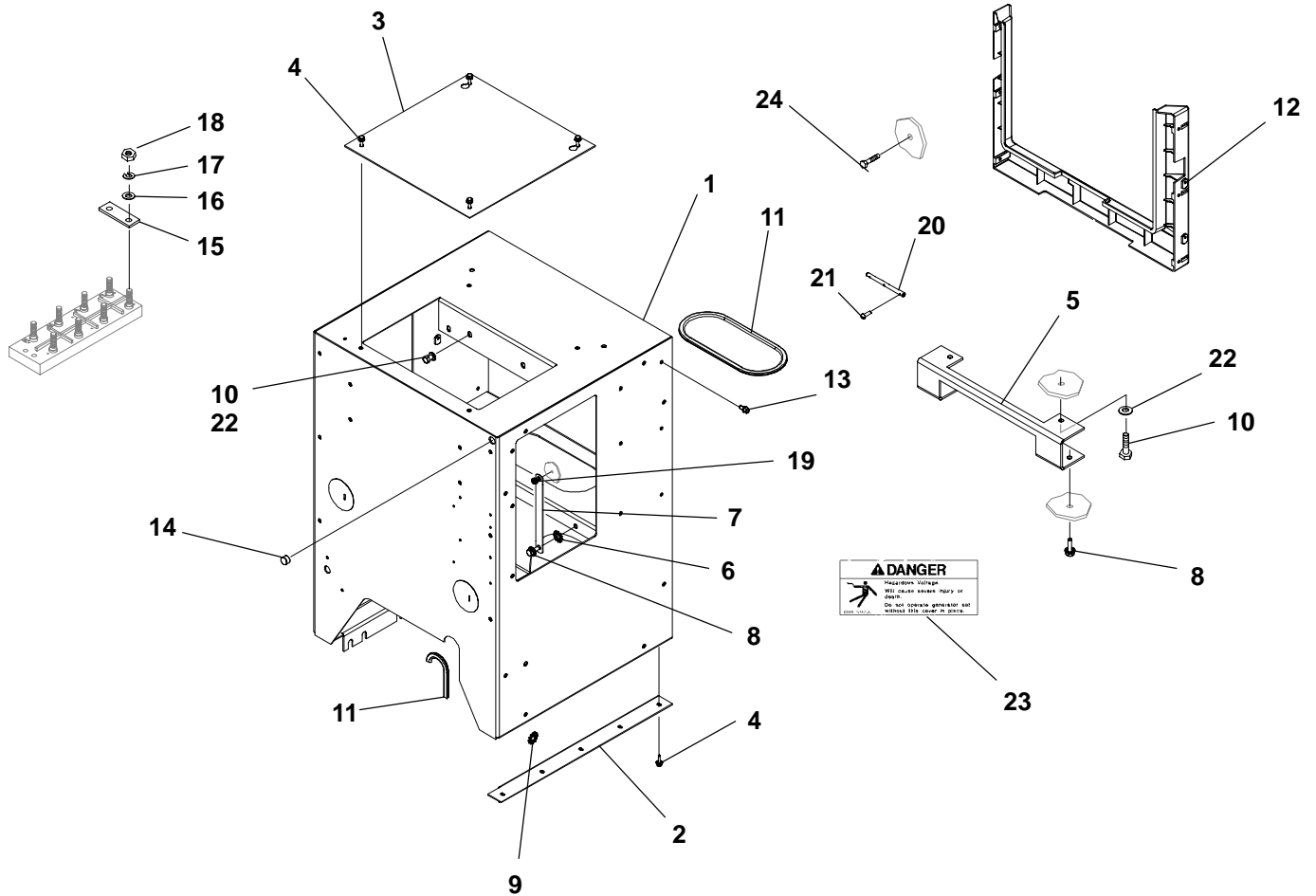
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	159-1467	1	Cover, Fuel Tank	2	821-6003-02	6	Screw, Hex Head (M8 X 20)

Electronic Governor



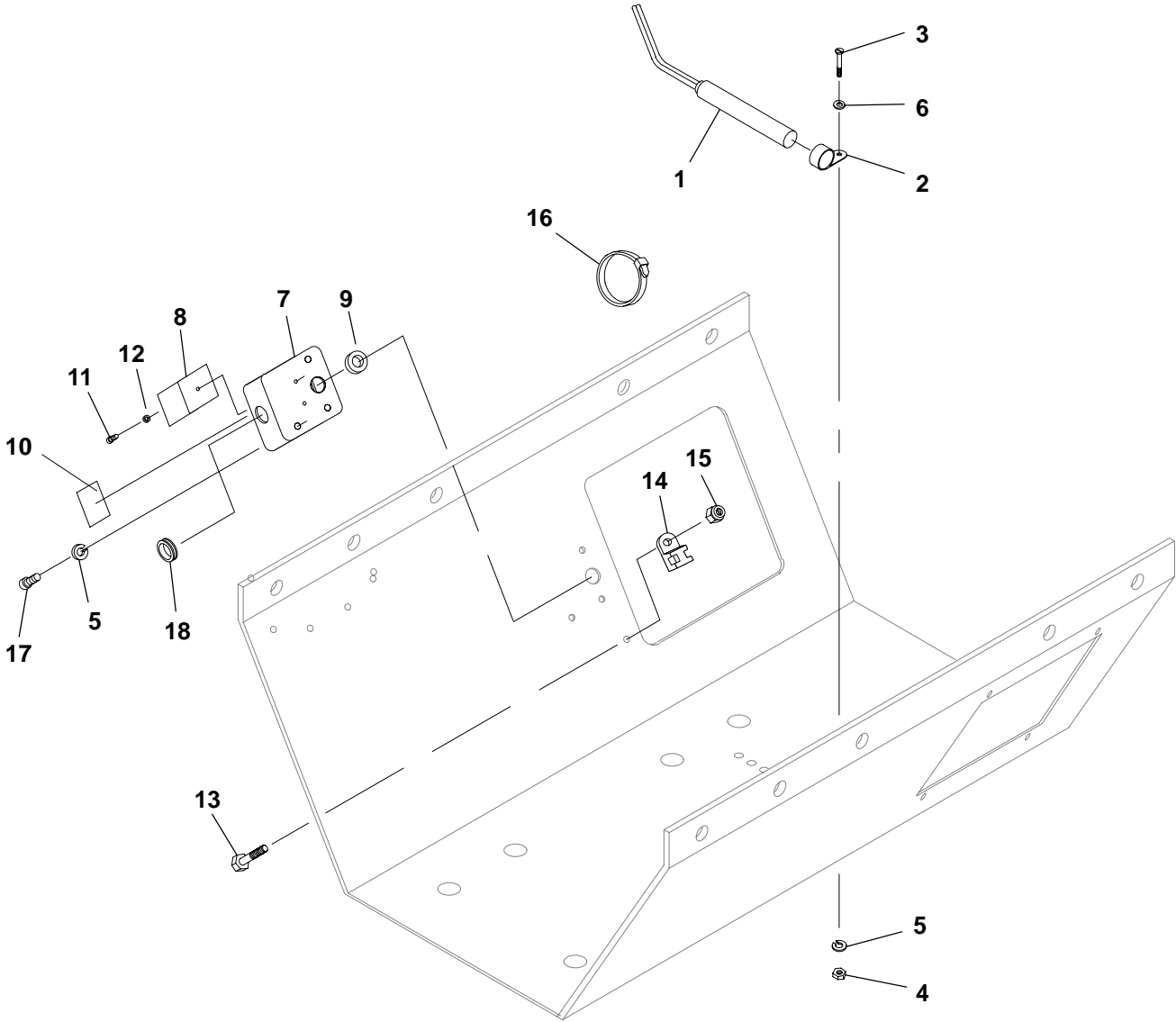
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	150-2780-02	1	Bracket, Governor	9	862-0001	1	Nut, Hex (1/4-20)
2	150-2781	1	Actuator, Linear	10	800-2096	2	Screw, Cap – Hex Head (M10 x 1.5 x 75)
3	850-2006	4	Washer, Lock – Split (M6)	11	800-2097	1	Screw, Cap – Hex Head (M10 x 1.5 x 80)
4	800-2034	4	Screw, Cap – Hex Head (M6 x 1 x 20)	12	868-0001	1	Nut, Hex – Jam (1/4-20)
5	150-2120	1	Rod, End	13	860-2007	2	Nut, Hex (M6 x 1)
6	150-2682	1	Clevis, Governor				
7	526-0018	8	Washer, Flat (1/4)				
8	800-0007	1	Screw, Cap – Hex Head (1/4 x 20 x 1)				

Control Housing



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3208	1	Panel, Housing – Control Sets With UCD22 Generator	9	856-0012	1	Washer, Lock – W/EIT UCD22 (7/16)
	319-2967	1	Sets With UC27 Generator		856-0013	1	UC27 (1/2)
2	319-3207	1	Bracket, Control Mounting – Sets With UCD22 Generator	10	800-2052	4	Screw, Cap – Hex Head (M8 x 1.25 x 12)
3			Cover, Housing – Control	11	508-0305-02	–	Edging – Bulk (Order By The Foot – 3 Foot Required)
	319-2996	3	Generator Sets Without Circuit Breaker or Entrance Box	12	319-4457	1	Panel, Control
	319-2996	2	Generator Sets With Circuit Breaker or Entrance Box	13	815-0943-02	6	Screw, Hex Washer Head – Thread Forming (1/4-10 x .5)
	319-2996	1	Generator Sets With Two Circuit Breakers	14	517-0135	1	Plug, Hole
4			Screw, Hex Head (M6 x 16)	15	332-2987	4	Link, Terminal
	821-6002-03	4	Sets With UC27 Generator	16	526-2120	8	Washer, Flat (M10)
	821-6002-03	9	Sets With UCD22 Generator	17	850-2010	8	Washer, Lock (M10)
5	319-4456-02	1	Bracket, Control	18	860-2009	8	Nut, Hex (M10 x 1.5)
6	856-0010	1	Washer, Lock – W/EIT (3/8)	19	819-1144	1	Screw, Pan Head – Cross Recessed (M6 x 8)
7	337-0049	1	Strap, Bond	20	332-3740	1	Clamp, Strain
8	821-6003-01	3	Screw, Hex Head (M8 x 1.25 x 16)	21	814-2150	3	Screw, Flat Head – Cross Recessed (M3 x 0.5 x 10)
				22	526-2100	4	Washer, Flat (M8)
				23	098-5347-01	1	Label, Danger
				24	821-6001-02	2	Screw, Hex Head

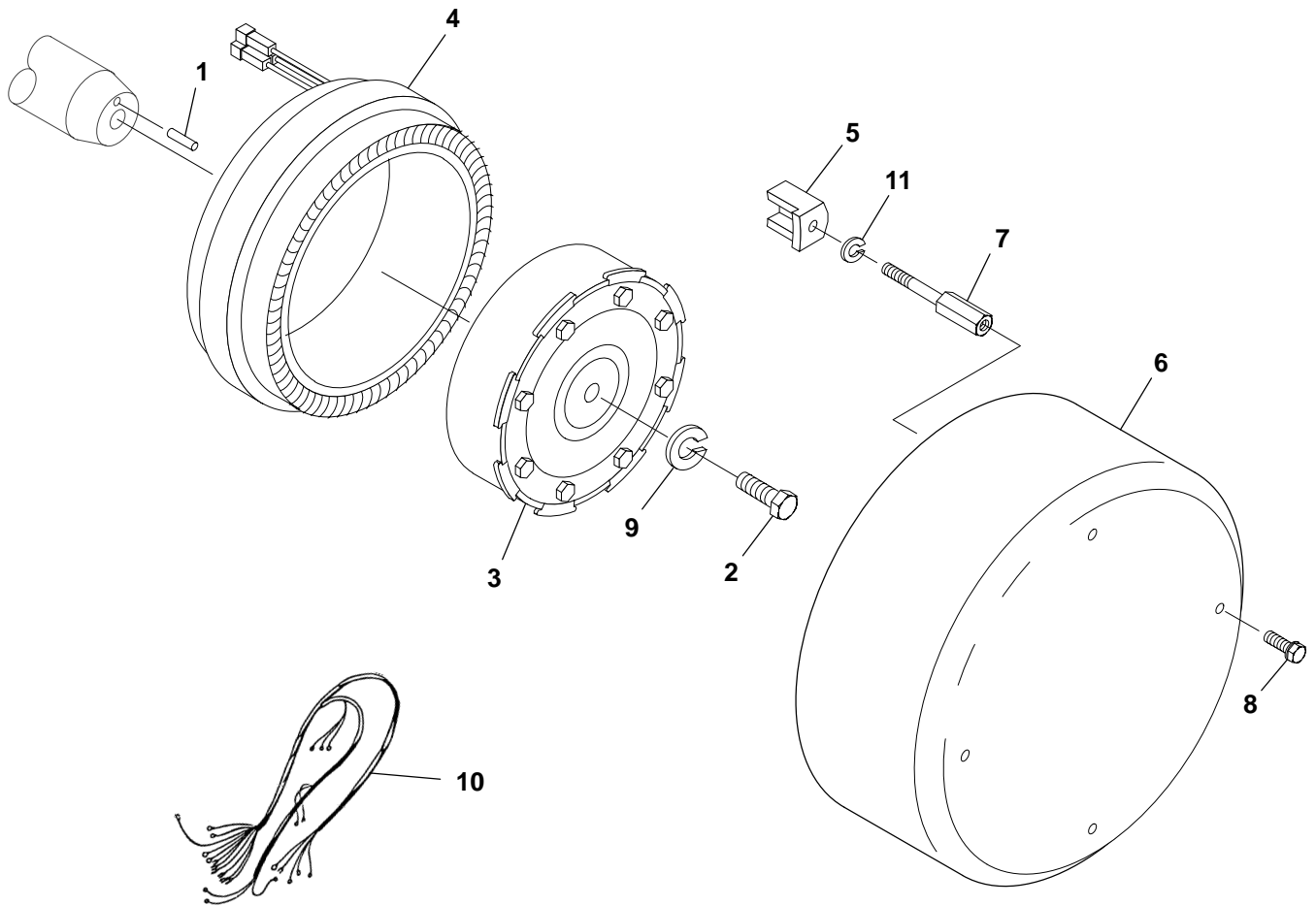
Generator Heater



A292,293

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	333-0438-07	1	Cartridge, Heater	10	098-7281	1	Label, Warning – Heater
	333-0438-08	1	110-125 Volt	11	822-3047	1	Screw, Pan Head (M3 x 20)
			220-260 Volt	12	850-2003	1	Washer, Lock (M3)
2	332-3024-11	2	Clamp, Loop	13	800-3034	1	Screw, Cap – Hex Head (M4 x .7 x 12)
3	822-3075	6	Screw, Pan Head (M4 x 16)	14	332-3228	1	Mount, Tie – Cable
4	860-2005	2	Nut, Hex (M4)	15	870-2064-01	1	Nut, Nylon
5	850-2004	4	Washer, Lock (M4)	16	332-1389	1	Tie, Cable
6	526-2050	2	Washer, Flat (M4)	17	815-0792-04	2	Screw, Countersunk – Pan Head (M4 x .7 x 12)
7	330-0142	1	Box, Terminal – Heater	18	517-0021	1	Plug, Dot – Button
8	332-3023	1	Block, Terminal				
9	508-0228	1	Grommet				

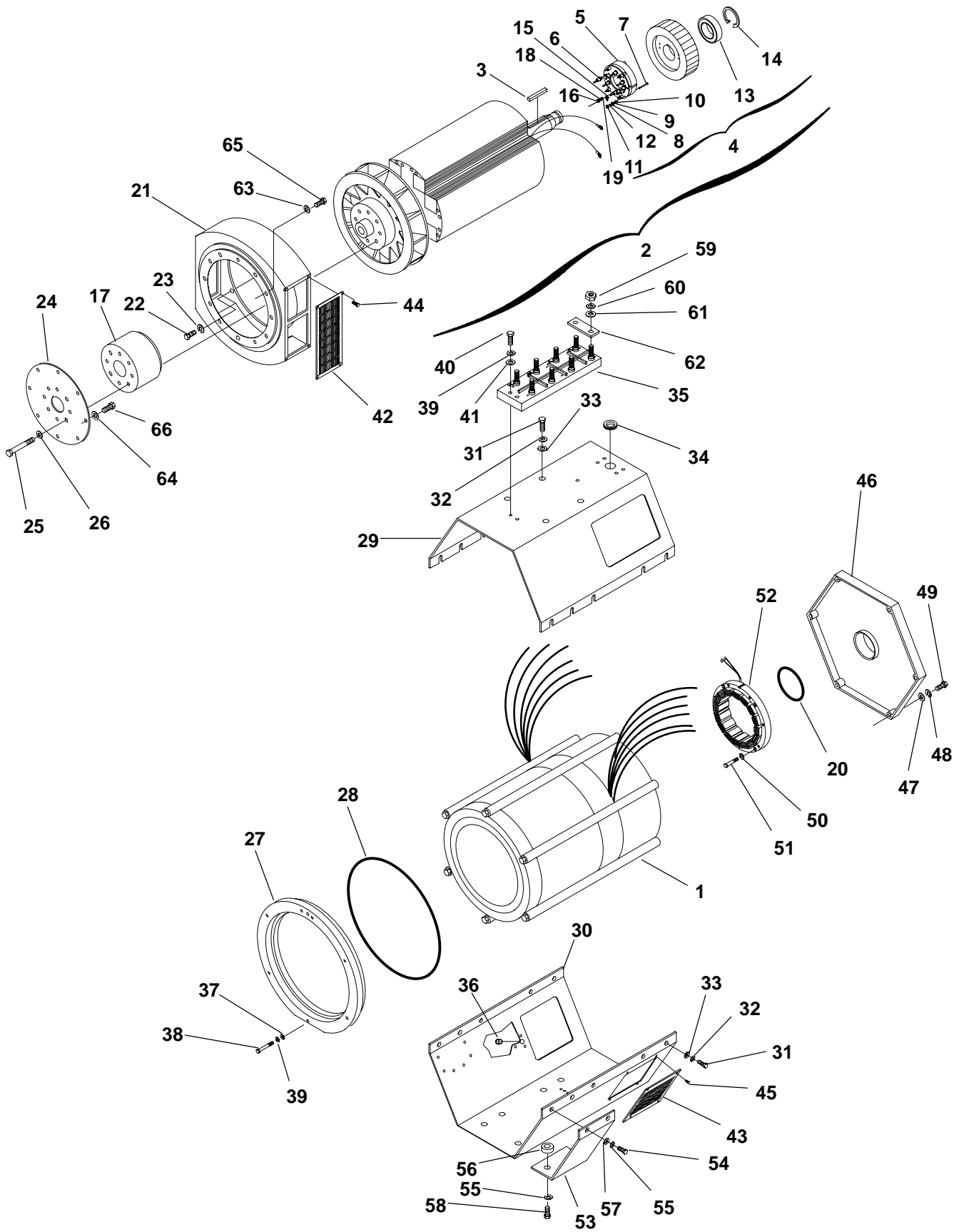
Permanent Magnet Generator



CP01

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	775-0049	1	Pin, Parallel	7	232-3462-03	4	Spacer, Cover
2	815-0761-01	1	Bolt, Mounting - PMG	8	821-6001-01	4	Screw, Hex Head (M5 x 10)
3	201-3446	1	Rotor, PMG	9	850-2010	1	Washer, Lock (M10)
4	220-4233	1	Stator, PMG	10	338-3011	1	Harness, PMG
5	232-3972	4	Clamp, Stator	11	850-2006	4	Washer, Lock (M6)
6	234-0875-02	1	Cover, End Bell				

Generator



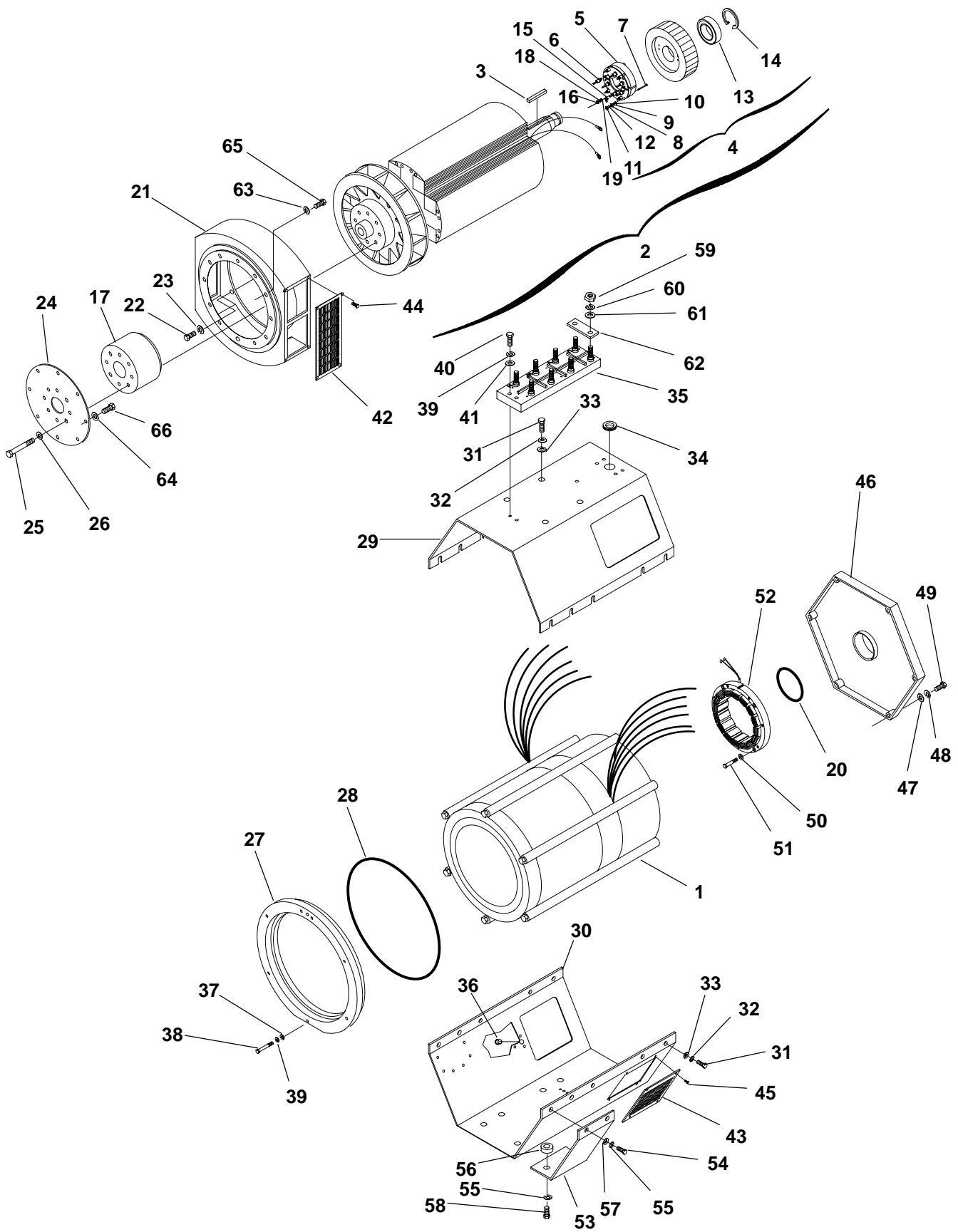
Generator

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Stator, Generator	2			Rotor Assembly, Generator (Includes Parts Marked *)
			DGGD				
	220-4447-06	1	130mm Stack Length – Winding Code 6		201-3603-01	1	130mm Stack Length
	220-4447-07	1	160mm Stack Length – Winding Code 6		201-3603-02	1	160mm Stack Length
	220-4447-11	1	130mm Stack Length – Winding Code 11		201-3603-03	1	180mm Stack Length
	220-4447-12	1	160mm Stack Length – Winding Code 11		201-3603-04	1	240mm Stack Length
	220-4447-16	1	130mm Stack Length – Winding Code 14	3			* Key, Exciter Rotor
	220-4447-26	1	130mm Stack Length – Winding Code 17		515-0299-02	1	130, 160mm Stack Length
			DGHD		515-0299-04	1	180, 240mm Stack Length
	220-4447-07	1	160mm Stack Length – Winding Code 6	4			* Rotor Assembly, Exciter (Includes Parts Marked #)
	220-4447-08	1	180mm Stack Length – Winding Code 6		201-3434-01	1	130, 160mm Stack Length
	220-4447-11	1	130mm Stack Length – Winding Code 11		201-3434-02	1	180, 240mm Stack Length
	220-4447-12	1	160mm Stack Length – Winding Code 11	5			** Rectifier Assembly (Includes Parts Marked +)
	220-4447-13	1	180mm Stack Length – Winding Code 11		357-0091	1	Forward (with Positive Diode)
	220-4447-14	1	240mm Stack Length – Winding Code 11		357-0092	1	Reverse (with Negative Diode)
	220-4447-16	1	130mm Stack Length – Winding Code 14	6			**+ Diode
	220-4447-17	1	160mm Stack Length – Winding Code 14		358-0135-01	3	Positive
	220-4447-26	1	130mm Stack Length – Winding Code 17		358-0135-02	3	Negative
	220-4447-27	1	160mm Stack Length – Winding Code 17	7	800-3009	3	**+ Screw, Cap – Hex Head (M4 x 35mm) (CR1,2,3,4,5,6)
			DGHE	8	860-2005	3	**+ Nut, Hex (M4)
	220-4447-08	1	180mm Stack Length – Winding Code 6	9	850-2004	3	**+ Washer, Lock – Spring (M4)
	220-4447-09	1	240mm Stack Length – Winding Code 6	10	526-2050	3	**+ Washer, Flat (M4)
	220-4447-12	1	160mm Stack Length – Winding Code 11	11	870-2064-01	6	*# Nut, Locking – Nylon (M4)
	220-4447-13	1	180mm Stack Length – Winding Code 11	12	526-2050	6	*# Washer, Flat (M4)
	220-4447-14	1	240mm Stack Length – Winding Code 11	13	510-0165	1	* Bearing, Ball
	220-4447-17	1	160mm Stack Length – Winding Code 14	14	518-0122	1	* Ring, Retaining
	220-4447-18	1	180mm Stack Length – Winding Code 14	15	304-0807	1	* Varistor
	220-4447-27	1	160mm Stack Length – Winding Code 17	16	860-2006	2	* Nut, Hex (M5)
	220-4447-28	1	180mm Stack Length – Winding Code 17	17	232-3438	1	* Hub, Coupling
				18	850-2005	2	* Washer, Lock – Spring (M5)
				19	526-2060	2	* Washer, Flat (M5)
				20	509-0266-01	1	O-Ring
				21	231-0329	1	Adapter, Generator
				22	800-3017-41	6	Screw, Cap – Hex Head (M10 x 1.5 x 45)
				23	850-0114-55	6	Washer, Lock (M10)
				24	232-3698	2	Disc, Drive
				25	720-1119	8	Screw, Cap – Hex Head (M16 x 40)
				26	526-0259	8	Washer, Flat
				27	231-0318	1	Adapter, Stator
				28	508-0139	–	Seal, Edging – Bulk (Order by the Foot – 3 Feet Required)

* Parts Included in Generator Rotor Assemblies
Parts Included in Exciter Rotor Assemblies
+ Parts Included in Rectifier Assemblies

Continued...

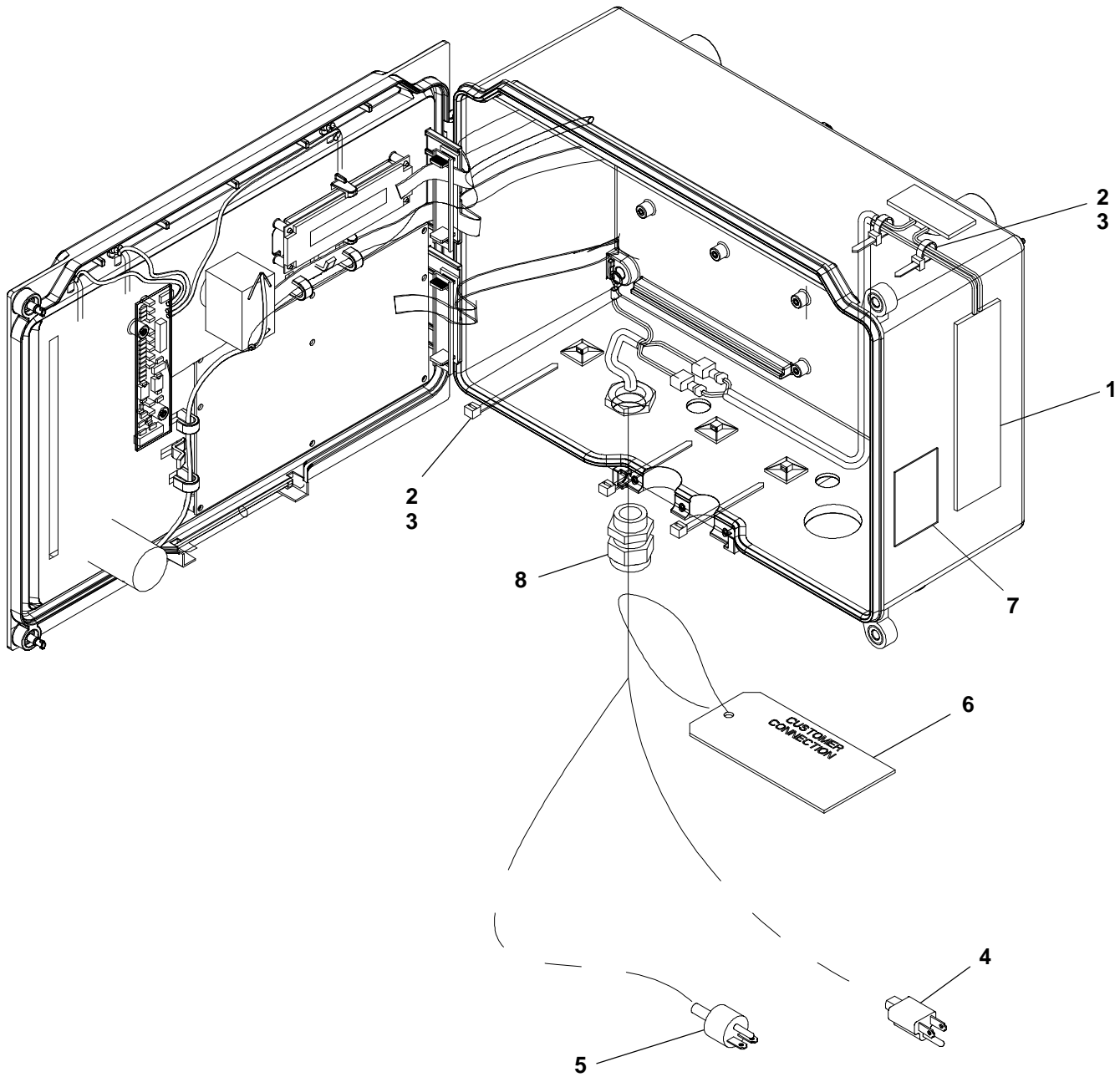
Generator



Generator

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
Continued...							
29			Cover, Stator (Upper)	45	821-6001-02	8	Screw, Hex Head (M5 x 0.8 x 12)
	232-0936-01	1	130/160mm Stack Length				
	232-0936-02	1	180/240mm Stack Length	46	211-0422	1	Bell, End
30			Cover, Stator (Lower)	47	232-3441	6	Washer, End Bell
	232-3819-01	1	130/160mm Stack Length	48	850-0114-54	6	Washer, Lock (M8)
	232-3819-02	1	180/240mm Stack Length	49	800-3017-20	6	Screw, Cap – Hex Head (M8 x 25)
31			Screw, Cap – Hex Head (M10 x 25)	50	850-2006	4	Washer, Lock (M6)
	800-3017-37	8	130/160mm Stack Length	51			Screw, Cap – Hex Head (M6)
	800-3017-37	10	180/240mm Stack Length		800-2039	4	130, 160mm Stack Length
32			Washer, Lock (M10)		800-2042	4	180, 240mm Stack Length
	850-0114-55	8	130/160mm Stack Length	52			Stator, Exciter
	850-0114-55	10	180/240mm Stack Length		220-4293-04	1	130, 160mm Stack Length
33			Washer, Flat (M10)		220-4293-05	4	180, 240mm Stack Length
	526-0399-62	8	130/160mm Stack Length	53	232-3940	2	Bracket, Generator Mounting
	526-0399-62	10	180/240mm Stack Length	54	800-3017-39	4	Screw, Cap – Hex Head (M10 x 1.5 x 35)
34	508-1057	1	Grommet				Washer, Lock (M10)
35	232-3421	1	Block, Terminal	55	850-0114-55	8	Spacer, Mounting Foot
36	517-0135	1	Plug, Hole	56	232-3730-03	4	Washer, Flat
37	232-3441	6	Washer, End Bell	57	526-0423	8	Screw, Cap – Hex Head (M10 x 45)
38	800-3017-20	6	Screw, Cap – Hex Head (M8 x 25)	58	800-3017-41	4	Nut, Hex (M10)
39	850-0114-54	8	Washer, Lock (M8)	59	860-2009	8	Washer, Lock – Spring (M10)
40	800-2060	2	Screw, Cap – Hex Head (M8 x 1.25 x 35)	60	850-2010	8	Washer, Flat (M10)
41	526-2100	2	Washer, Flat (M8)	61	526-2120	8	Link, Terminal
42	234-0903	2	Guard, Fan	62	332-2987	4	Washer, Lock (M10)
43	234-0878	2	Screen, Air Inlet	63	850-2010	12	Washer, Flat (3/8)
44	821-6001-01	8	Screw, Hex Head (M5 x 0.8 x 10)	64	526-0174	8	Screw, Cap – Hex Head (M10 x 1.5 x 30)
				65	800-2087	12	Screw, Cap – Hex Head (M10 x 1.5 x 20)
				66	800-2526	8	

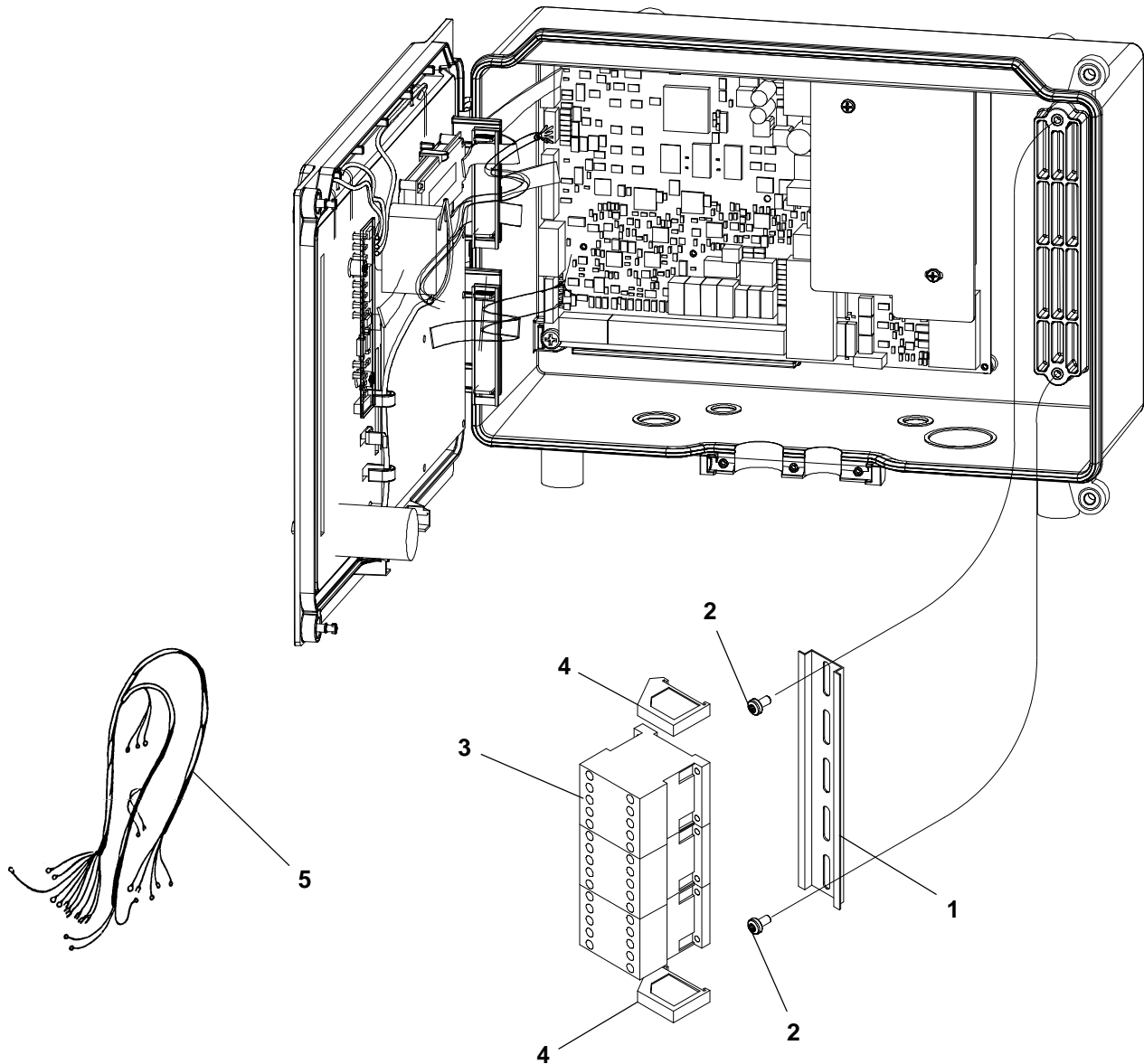
Control Heater



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	333-0661-01	1	Heater, Control 120V
	333-0661-02	1	240V
2	332-2420	3	Mount, Cable Tie
3	332-1445	3	Tie, Cable
4	335-0173	1	Cable, Control Heater – 120V
5	335-0173-01	1	Cable, Control Heater – 240V

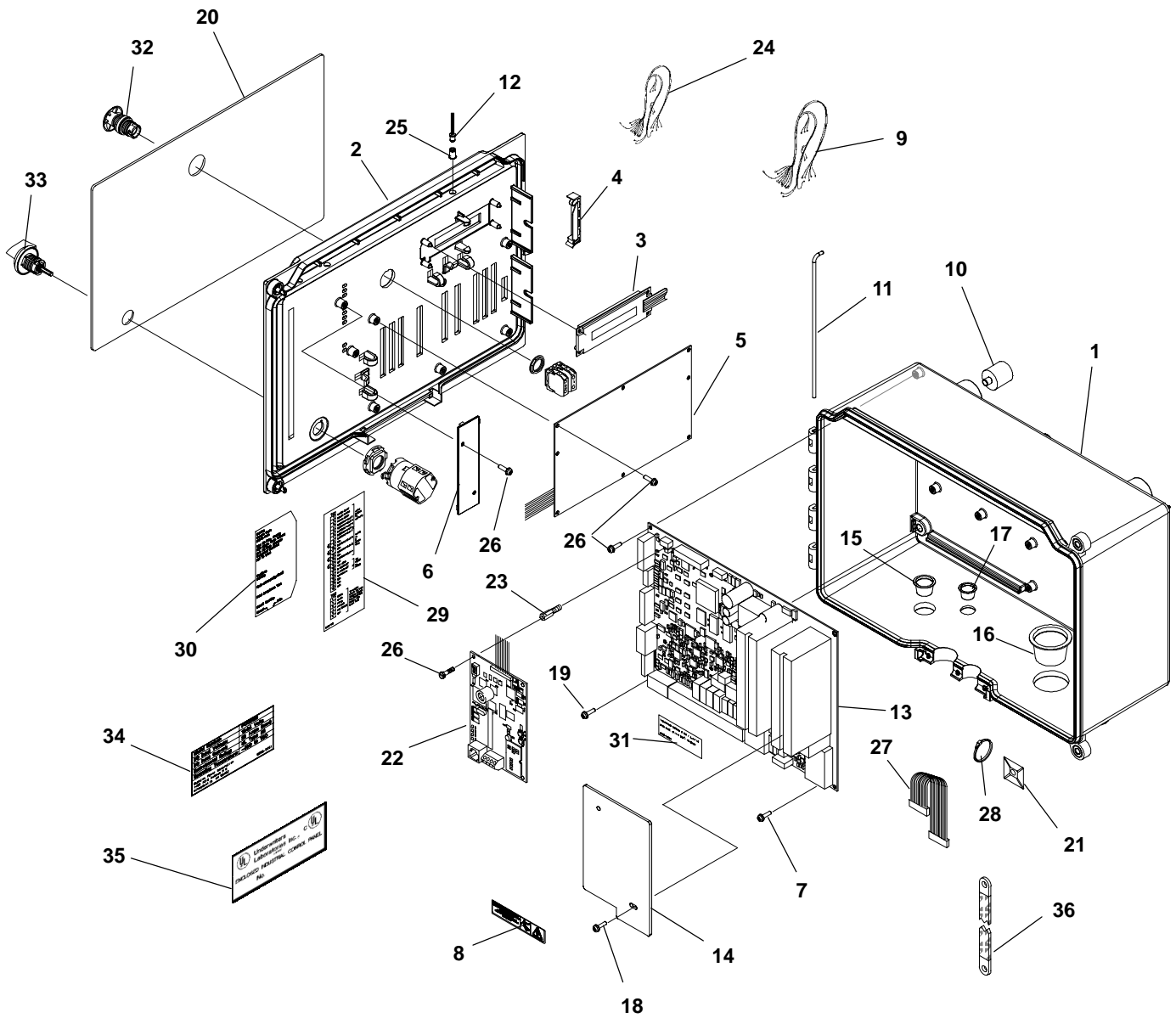
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
6	098-6927	1	Tag, Heater 120V
	098-6928	1	240V
7	098-6195	1	Label, Caution
8	323-2003-02	1	Strain Relief

Control Relay



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-3842	1	Rail, Terminal Block	4	332-2878	2	Bracket, End – Terminal
2	823-1006-02	2	Screw, Pan Head (M5)	5	338-4209	1	Harness, Relay
3	307-2873	3	Relay, Control – 12V (K10, K11, K12)				

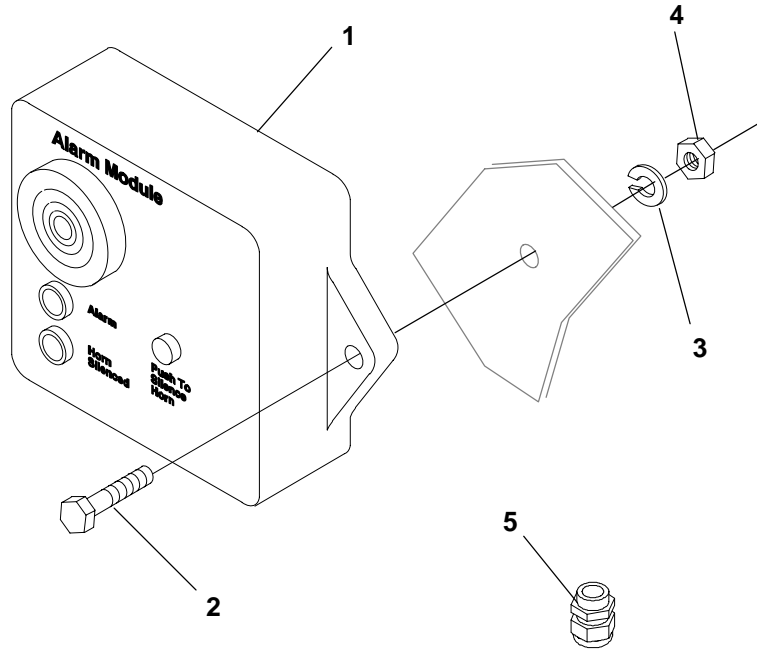
Control



Control

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-4487	1	Box, Control	20			Panel, Membrane
2	319-4488	1	Door Control		300-5446	1	With Bargraph
3	300-5467	1	Display, Digital		300-5447	1	Without Bargraph
4	332-3896	4	Clamp, Cable	21	332-2420	2	Mount, Cable Tie
5	300-5180	1	Board, Printed Circuit – Bargraph	22	327-1275	1	Board, Printed Circuit – NCM
6	300-5383	1	Board, Printed Circuit – LED	23	870-2213-02	4	Standoff, Hex Threaded – With NCM
7	819-1137-02	4	Screw, Pan Head – Cross Recessed (M3 x 8)	24	338-3994	1	Harness, Panel Light
8	098-7904	2	Label, Danger	25	322-0488	3	Lens, LED
9	338-3991	1	Harness, Control – Door	26			Screw, Pan Head – Cross Recessed (M3 x 6)
10	402-0764-01	4	Mount, Isolator		819-1137-01	9	Without Bargraph
11	406-0845	1	Pin, Hinge		819-1137-01	15	With Bargraph
12	322-0491	3	Lamp, LED	27	335-0189	1	Cable, Ribbon
13	300-5381	1	Board, Printed Circuit – Base	28	332-1445	3	Tie, Cable
14	319-4497	1	Guard, Electrical	29	098-7918	1	Label, Information
15	517-0356	1	Plug, Hole (Fits 22.5mm DIA. Hole)	30	098-7961-01	1	Label, Information – Panel Insert
16	517-0357	1	Plug, Hole (Fits 38mm DIA. Hole)	31	098-7989	1	Label, Instruction – Torque
17	517-0355	2	Plug, Hole (Fits 16mm DIA. Hole)	32	308-0999	1	Switch, Emergency Stop
18	815-0792-02	2	Screw, Machine – Pan Head (M4 x 0.7 x 8)	33	308-1085	1	Switch, Selector
19	819-1144	2	Screw, Pan Head – Cross Recessed (M6 x 8)	34	098-8057	1	Label, Information – Rating
				35	098-6984	1	Label, UL
				36	337-0049	1	Strap, Bond

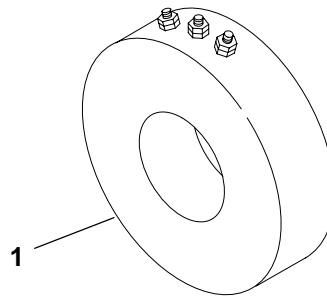
Alarm Module



KA08

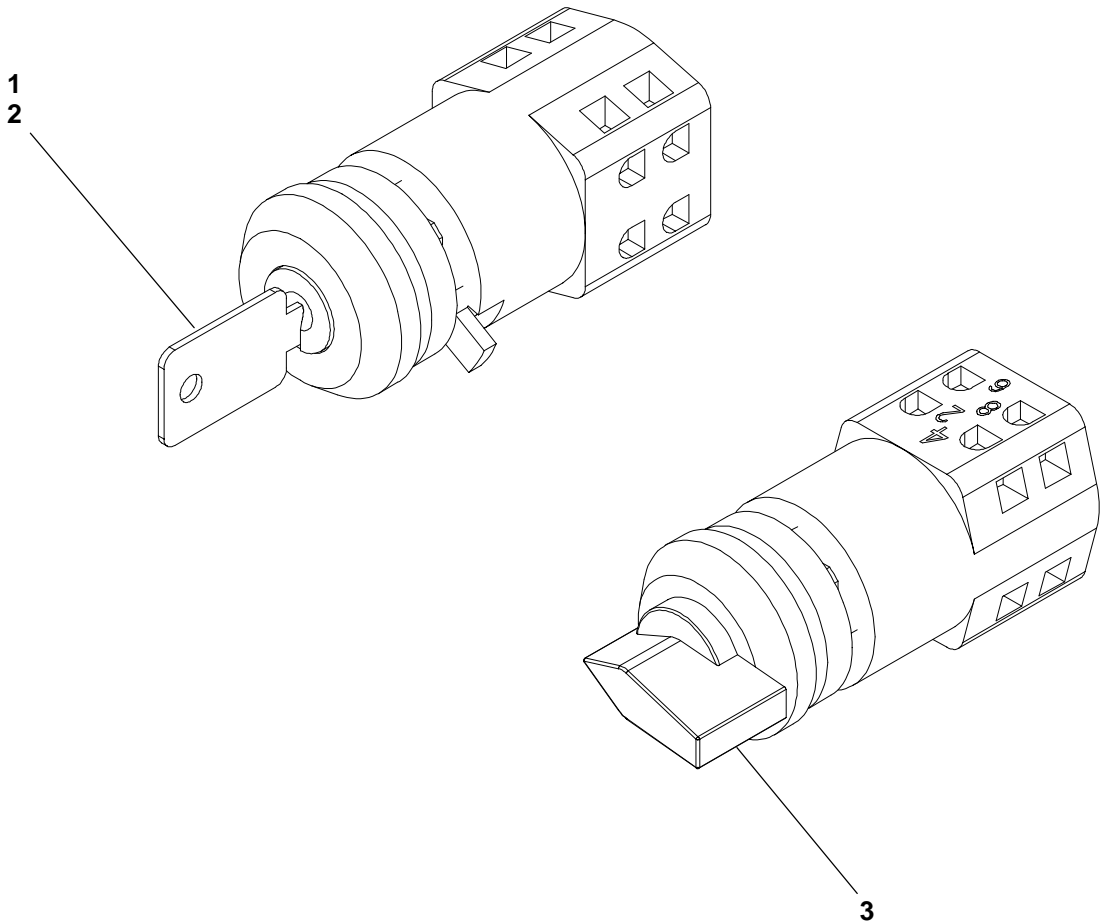
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-3998-02	1	Module, Alarm (12V)	3	850-0040	2	Washer, Lock (1/4)
2	800-0006	2	Screw, Cap – Hex Head (1/4-20 x 7/8)	4	862-0001	2	Nut, Hex (1/4-20)
				5	323-2003-01	1	Strain Relief

Current Transformer



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Transformer, Current				
	302-2057-43 A/R		Ratio 122/1 or 244/1				
	302-2057-01 A/R		Ratio 138/1 or 276/1				
	302-2057-03 A/R		Ratio 173/1 or 346/1				
	302-2057-44 A/R		Ratio 209/1 or 418/1				
	302-2058-21 A/R		Ratio 122/1				

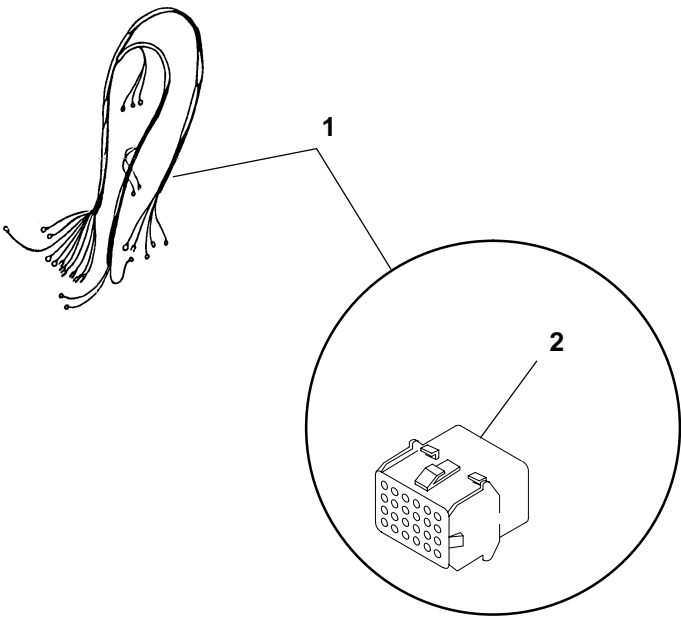
Operator Switch



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	308-1045	1	Switch, Key Operator
2	308-1046	2	Key - Spare

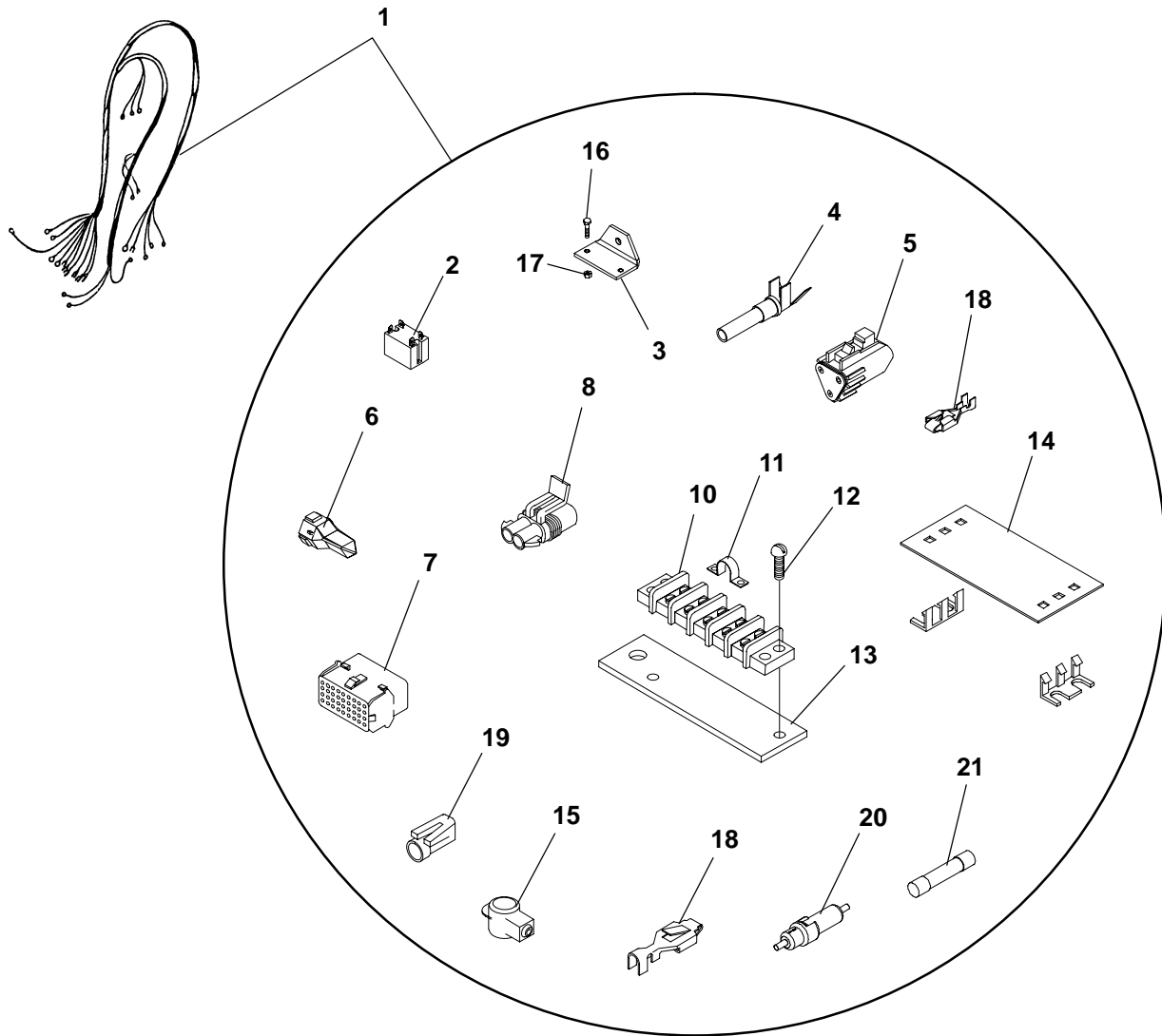
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
3	308-1085	1	Switch, Selector

AC Wiring Harness



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Harness, Wiring – AC (Includes Plug)	2	323–1523	1	Plug, Connector (24 Place)
	338–4180	1	PMG				
	338–4185	1	Shunt				

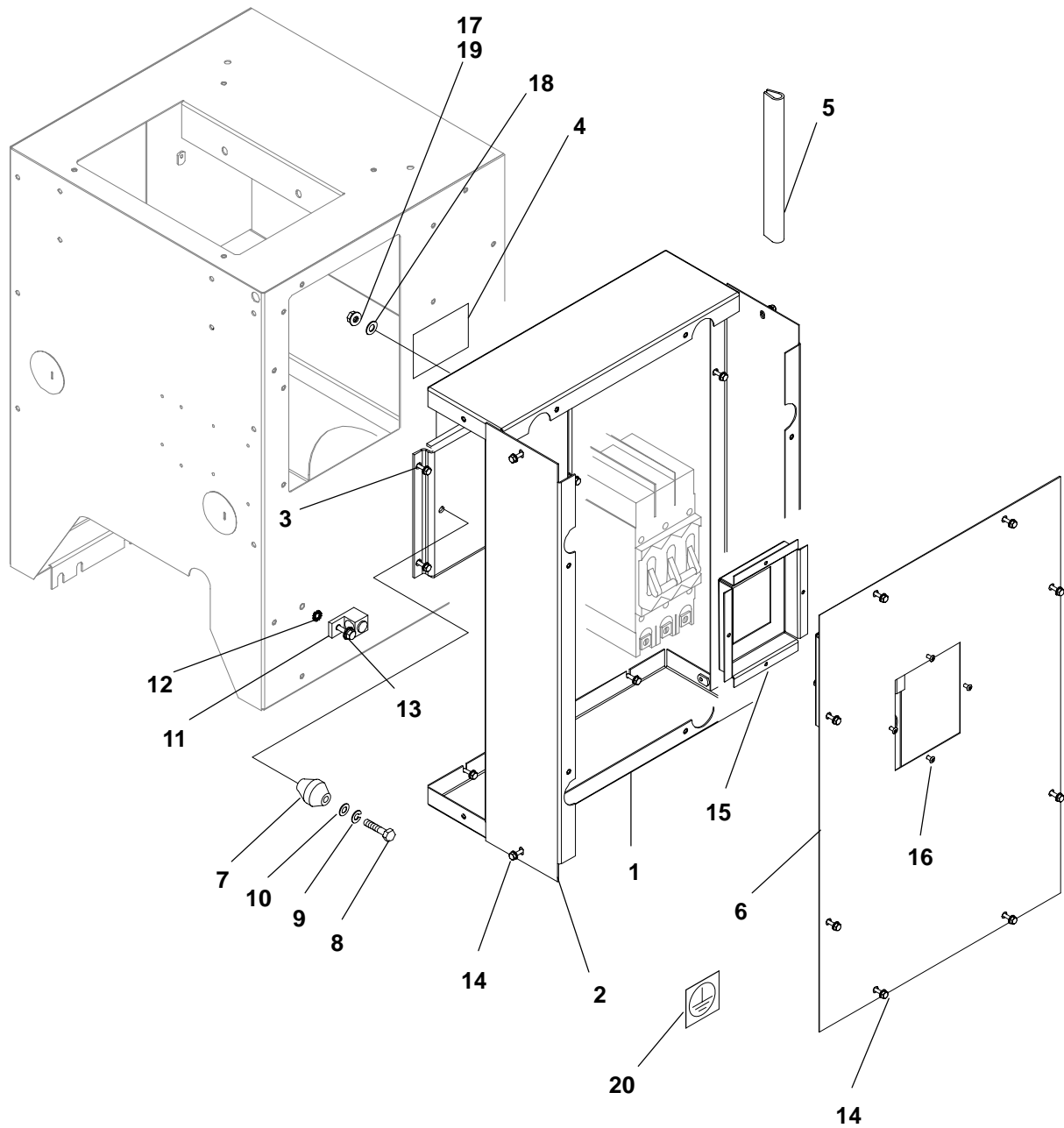
Engine Wiring Harness



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-4233	1	Harness, Wiring – Engine to Control (Includes the Following Parts)	13	319-2006-05	1	Bracket, Terminal Mounting
2	307-2968-03	2	Relay, Power	14	332-3792-01	1	Cover, Terminal Block (Includes Spring Clips)
3	307-2982-02	2	Bracket, Relay	15	416-1021-03	2	Boot
4	323-1492	3	Socket, Contact	16	812-0079	2	Screw (#8-32 x .5)
5	323-1493	1	Connector, Plug	17	870-0221	2	Nut, Hex – W/ET (#8-32)
6	323-1503	1	Wedge, Plug	18	323-1667	3	Socket, Terminal
7	323-1525	1	Connector – 36 Pin	19	323-1666	1	Connector, Socket
8	323-1755	1	Connector, Socket	20	321-0371	1	Holder, Fuse
9	323-1972	2	Plug (Dummy) (Not Illustrated)	21	321-0340	1	Fuse (15 Amp)
10	332-0604	1	Block, Terminal	22	323-1970	1	Housing, Connector (Not Illustrated)
11	332-1043	4	Jumper	23	323-1971	1	Seal, Connector (Not Illustrated)
12	815-0538	2	Screw, Cross Recessed – Pan Head – W/ET (#8-32 x .50)				

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Circuit Breaker Box **(UL Listed, IEC Conformity)**



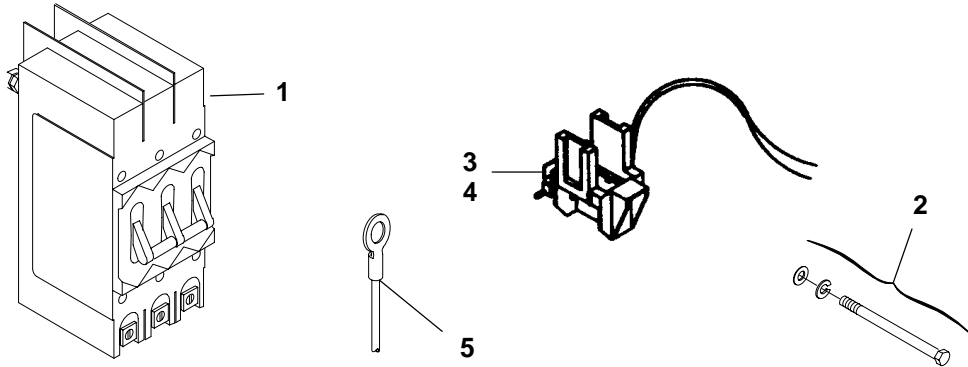
Circuit Breaker Box (UL Listed, IEC Conformity)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3072	2	* Panel, End – Circuit Breaker Box	15			*# Cutout, Box – Circuit Breaker
2	319-2978	2	* Panel, Side – Circuit Breaker Box	319-3241	1		10–100 Amp, 3 Pole, CE (Hole Size 46mm x 84mm)
3		1	*# Bracket, Mounting – Circuit Breaker	319-3242	1		70–250 Amp, 3 Pole, NS (Hole Size 38mm x 90mm)
	319-3149	1	Q4, KDL, NS Circuit Breakers	319-3242	1		70–250 Amp, 4 Pole, NS (Hole Size 38mm x 90mm)
	319-3243	1	CE, CF, CJ Circuit Breakers	319-3242	1		100–250 Amp, 2 & 3 Pole, KDL (Hole Size 38mm x 90mm)
4	098-2304	1	*# Label, Warning	319-3304	1		125–250 Amp, 3 Pole, CF (Hole Size 70mm x 112mm)
5	508-0239	–	* Edging – Bulk (Order By The Foot – 2 Feet Required)	319-3240	1		300–400 Amp, 2 & 3 Pole, Q4 (Hole Size 75mm x 100mm)
6			* Cover, Box – Circuit Breaker Entrance Box Only (No Breaker)	319-3304	1		300–600 Amp, 3 Pole, CJ (Hole Size 70mm x 112mm)
	319-3151	1	Used with Circuit Breaker	319-3150	1		300–630 Amp, 4 Pole, NS (Hole Size 65mm x 120mm)
7	332-2744-07	1	Standoff, Insulator (2 & 3 Pole Only)	16	818-0231-02	4	*# Rivet, Pop
8	800-0048	2	Screw, Cap – Hex Head (3/8–16 x .75) (2 & 3 Pole Only)	17	860-0012	4	*# Nut (Q4 Circuit Breakers Only) (#12–24)
9	850-0050	2	Washer, Lock (3/8) (2 & 3 Pole Only)	18	856-0005	4	*# Washer, Lock – W/EIT (Q4 Circuit Breakers Only) (#12)
10	526-0029	1	Washer, Flat (3/8) (2 & 3 Pole Only)	19			*# Nut, Hex – W/EIT (#8–32)
11	332-1473	1	* Lug, Solderless	870-0221	4		70–250 Amp, 3 Pole, NS
12	856-0008	1	* Washer, Lock – EIT (5/16)	870-0221	4		100–250 Amp, 2 & 3 Pole, KDL
13	821-6003-02	1	* Screw, SEMS – Hex Head (M8 x 1.25 x 20)	20	098-6537	1	Label, Ground
14			Screw, SEMS – Hex Head (M6 x 1 x 16)				
	821-6002-03	8	No Breaker				
	821-6002-03	24	Entrance Box Only (No Breaker)				
	821-6002-03	28	Used with Circuit Breaker				

* Not used on units WO/Breaker or Entrance Box

Not used on units W/Entrance Box Only – No Breaker

Circuit Breaker (UL Listed, IEC Conformity)



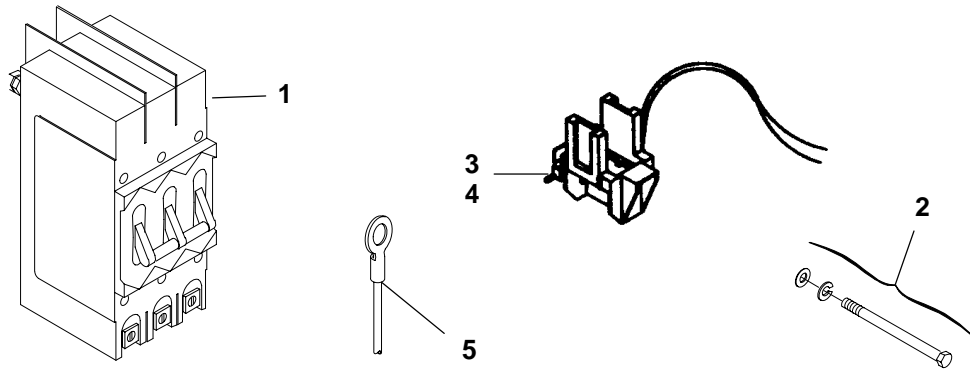
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Breaker, Circuit
			2 Pole (UL)
	320-1961-07	1	100 Amp (240 Volts)
	320-1961-06	1	125 Amp (240 Volts)
	320-1961-05	1	150 Amp (240 Volts)
	320-1961-04	1	175 Amp (240 Volts)
	320-1961-03	1	200 Amp (240 Volts)
	320-1961-02	1	225 Amp (240 Volts)
	320-1961-01	1	250 Amp (240 Volts)
	320-1962-03	1	* 300 Amp (240 Volts)
	320-1962-02	1	* 350 Amp (240 Volts)
	320-1962-01	1	* 400 Amp (240 Volts)
			3 Pole (UL)
	320-1961-14	1	100 Amp (240 Volts)
	320-1961-13	1	125 Amp (240 Volts)
	320-1961-12	1	150 Amp (240 Volts)
	320-1961-11	1	175 Amp (240 Volts)
	320-1961-10	1	200 Amp (240 Volts)
	320-1961-09	1	225 Amp (240 Volts)
	320-1961-08	1	250 Amp (240 Volts)
			3 Pole (UL & IEC)
	320-1959-22	1	* 10 Amp (600/750 Volts)
	320-1959-21	1	* 20 Amp (600/750 Volts)
	320-1959-20	1	* 30 Amp (600/750 Volts)
	320-1959-19	1	* 40 Amp (600/750 Volts)
	320-1959-18	1	* 50 Amp (600/750 Volts)
	320-1959-17	1	* 60 Amp (600/750 Volts)
	320-1959-10	1	* 70 Amp (600/750 Volts)
	320-1959-09	1	* 80 Amp (600/750 Volts)
	320-1959-08	1	* 90 Amp (600/750 Volts)
	320-1959-07	1	* 100 Amp (600/750 Volts)
	320-1959-06	1	* 125 Amp (600/750 Volts)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	320-1959-05	1	* 150 Amp (600/750 Volts)
	320-1959-04	1	* 175 Amp (600/750 Volts)
	320-1959-03	1	* 200 Amp (600/750 Volts)
	320-1959-02	1	* 225 Amp (600/750 Volts)
	320-1959-01	1	* 250 Amp (600/750 Volts)
	320-1960-06	1	* 300 Amp (600/750 Volts)
	320-1960-05	1	* 350 Amp (600/750 Volts)
	320-1960-04	1	* 400 Amp (600/750 Volts)
			4 Pole (IEC)
	320-1959-16	1	* 80 Amp (750 Volts)
	320-1959-15	1	* 100 Amp (750 Volts)
	320-1959-14	1	* 125 Amp (750 Volts)
	320-1959-13	1	* 160 Amp (750 Volts)
	320-1959-12	1	* 200 Amp (750 Volts)
	320-1959-11	1	* 250 Amp (750 Volts)
	320-1960-10	1	* 320 Amp (750 Volts)
2			Package, Hardware – Circuit Breaker Mounting (Includes Screws, Nuts and Lock Washers)
	320-1986-08	1	Used With 320-1959-XX Circuit Breakers
	320-1986-07	1	Used With 320-1960-XX Circuit Breakers (Screws Only)
	320-1986-05	1	Used With 320-1962-XX Circuit Breakers (Screws Only)

* – Includes Mounting Hardware

Continued...

Circuit Breaker (UL Listed, IEC Conformity)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
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Continued...

Accessories, Circuit Breaker:
The following are used on
320-1959-XX and
320-1960-XX Circuit
Breakers

3	320-1981-02	1	Trip, Shunt (12V)
4	320-1981-01	2	Switch – Used as an Auxiliary Contact or Trip Alarm

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
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5			Lead (Quantity Used As Required)
	226-0893	1	3/8" Ring Terminal End to 1" Stripped End – No Markings (33") (#1/0 Wire)
	226-3505-01	1	3/8" Ring Terminal End to 1" Stripped End – No Markings (30") (#4 Wire)
	226-3505-03	1	3/8" Ring Terminal End to 3/8" Ring Terminal End – Marked "LO" (30") (#4 Wire)
	226-3505-04	1	3/8" Ring Terminal End to 3/8" Ring Terminal End – Marked "LO" (30") (#1/0 Wire)

* – Includes Mounting Hardware

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