

Parts Manual

Generator Set

with PowerCommand[®] 2100 Controller

DGFA (Spec P-S)

DGFB (Spec P-S)

DGFC (Spec L-N)

DGFS (Spec A-C)

MODEL IDENTIFICATION

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 DGFA, DGFB, DGFC and DGFS 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	Cummins Engine Model With MOH Certification
DGFA	6CTA8.3-G2	6CTAA8.3-G3
DGFB	6CTA8.3-G2	6CTAA8.3-G3
DGFC	6CTAA8.3-G3	6CTAA8.3-G3
DGFS	6CTAA8.3-G2	6CTAA8.3-G2

Generator Set Data Table

Model/ Specification	Electrical Data					Battery Voltage
	Watts	Volts	Hertz	Wire	Phase	
140DGFA*	140,000	#	50	4,6,12	1 or 3	12 VDC
150DGFA*	150,000	#	60	4,6,12	1 or 3	12 VDC
150DGFB*	150,000	#	50	4,6,12	1 or 3	12 VDC
175DGFB*	175,000	#	60	4,6,12	1 or 3	12 VDC
176DGFC*	176,000	#	50	4,6,12	1 or 3	12 VDC
200DGFC*	200,000	#	60	4,6,12	1 or 3	12 VDC
230DGFS*	230,000	#	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

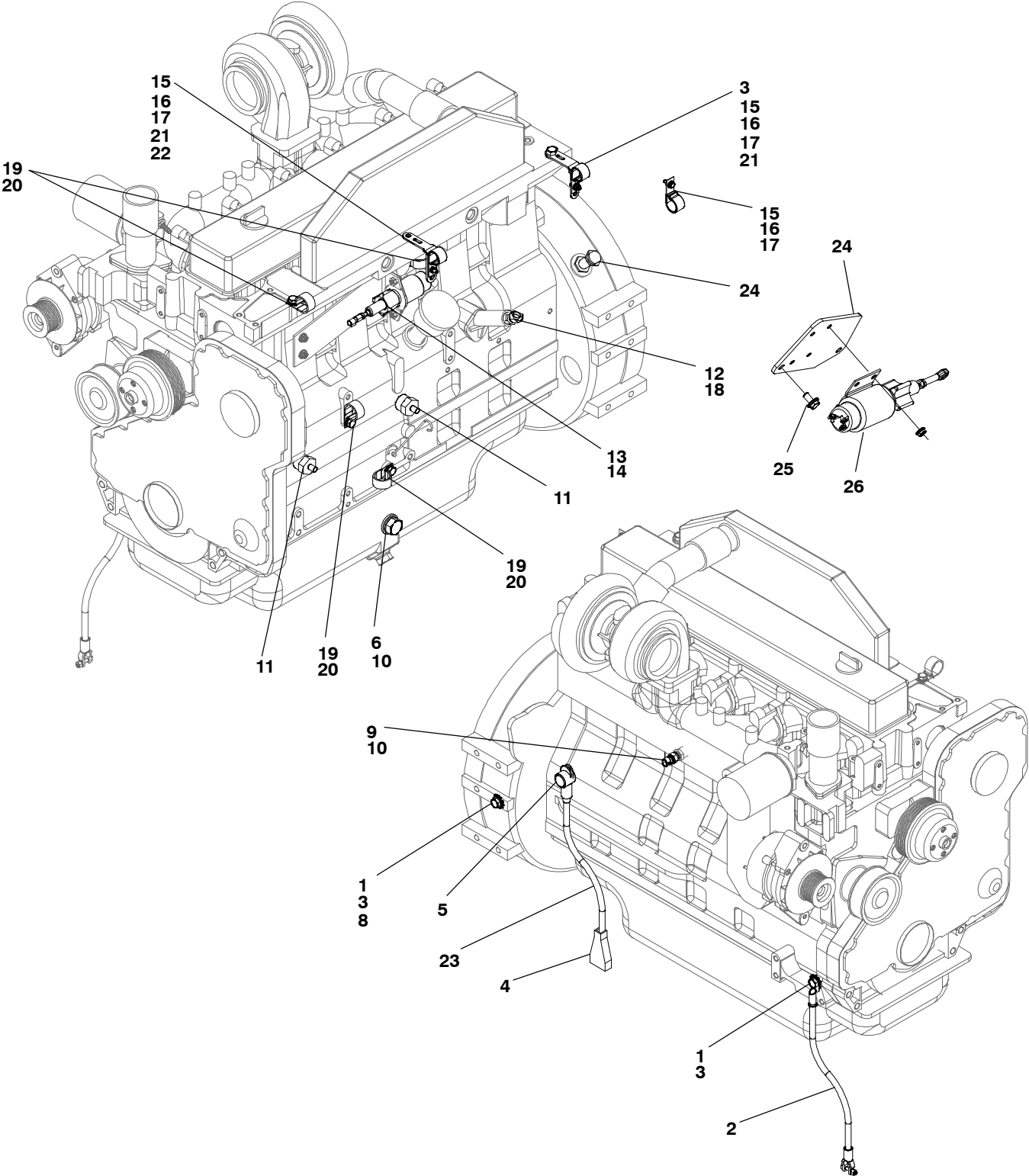
Some of the following abbreviations may be used throughout this Parts Catalog:

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)				
	525-0305	-	12 oz. Pressurized Spray Can				
	525-0306	-	Quart Can				
	525-0304	-	Gallon Can				
	518-0601	-	Sealant, Thread (6 ml Tube)				

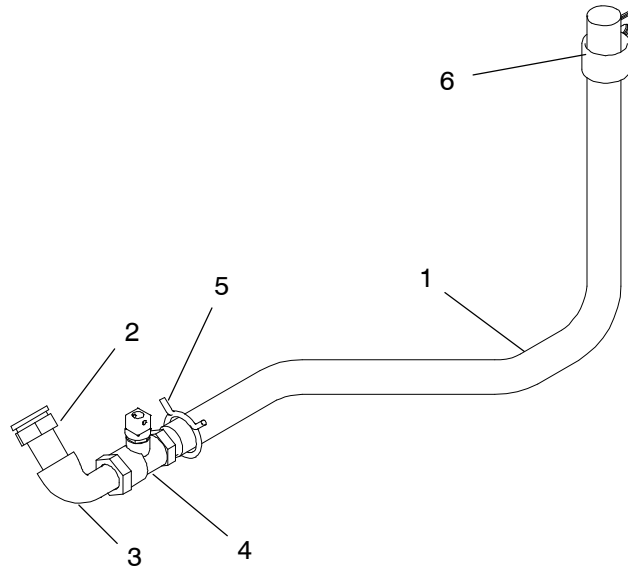
External Engine Parts



External Engine Parts

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	856-0013	2	Washer, Lock – W/EIT (1/2)	15	870-2054	3	Nut, Lock – Flange (M6 x 1)
2	416-1093	1	Cable, Battery	16	502-0802	1	Bushing
3	800-2111	3	Screw Hex Head	17	332-2634	A/R	Clamp, J
4	416-1019	1	Boot, Battery – Red	18	821-6004-01	A/R	Screw, Hex (M10 x 1.5 x 20)
5	416-1084	1	Boot, Starter – Red	19	338-4238-02	2	Bracket, Harness
6	526-2140	1	Washer, Flat (M12)	20	821-2048	1	Screw, Lock – Flange Head (M8 x 1.25 x 30)
7	505-0019	1	Bushing, Reducer (1/2 x 3/8)	21	332-2921	1	Clamp, J (Not Illustrated)
8	193-0529-01	1	Sensor, Temperature	22	150-2201	1	Sensor, Magnetic Speed
9	A028X493	1	Sender, Oil Pressure	23	416-1092	1	Cable, Battery
10	502-0199	1	Elbow, Male – Inverted 45°	24	333-0709-02	1	Bracket, Solenoid – DGFS
11	149-2508	1	Solenoid, Fuel Pump	25	821-2045	2	Screw, Lock – Flange (M8 x 1 x 16) – DGFS
12	821-6002-03	2	Screw, Hex Head (M6 x 1 x 16)	26	333-0708	1	Solenoid – DGFS
13	332-3196	3	Clamp, J				
14	821-2033	3	Screw, Lock – Flange Head (M6 x 1 x 16)				

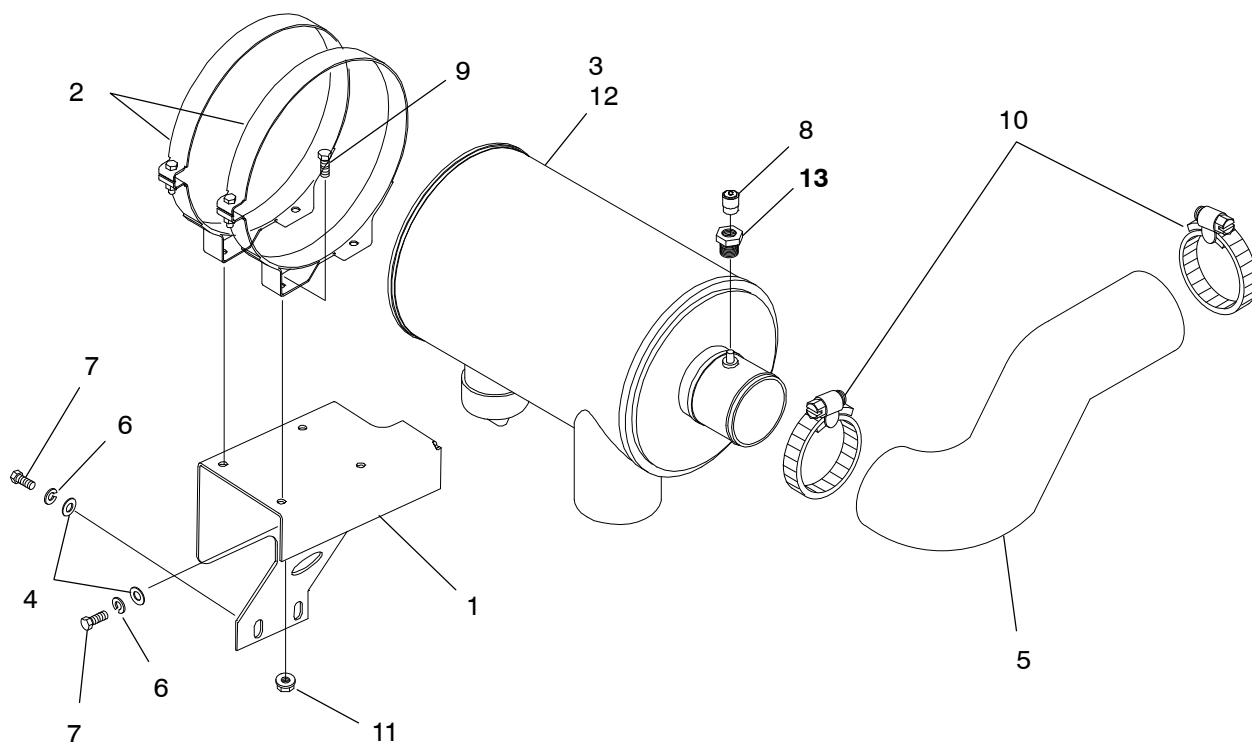
Oil Drain Extension



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	503-2433-06	–	Hose, Drain – Bulk (Order By The Foot – 4 Feet Required)
2	102-1237	1	Adapter, Oil Drain
3	505-0050	1	Elbow, Street (1/2 NPT x 90°)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	504-0011	1	Valve, Shutoff
5	503-0197	1	Clip, Hose – Corbin
6	518-0548-02	1	Clamp, Hose

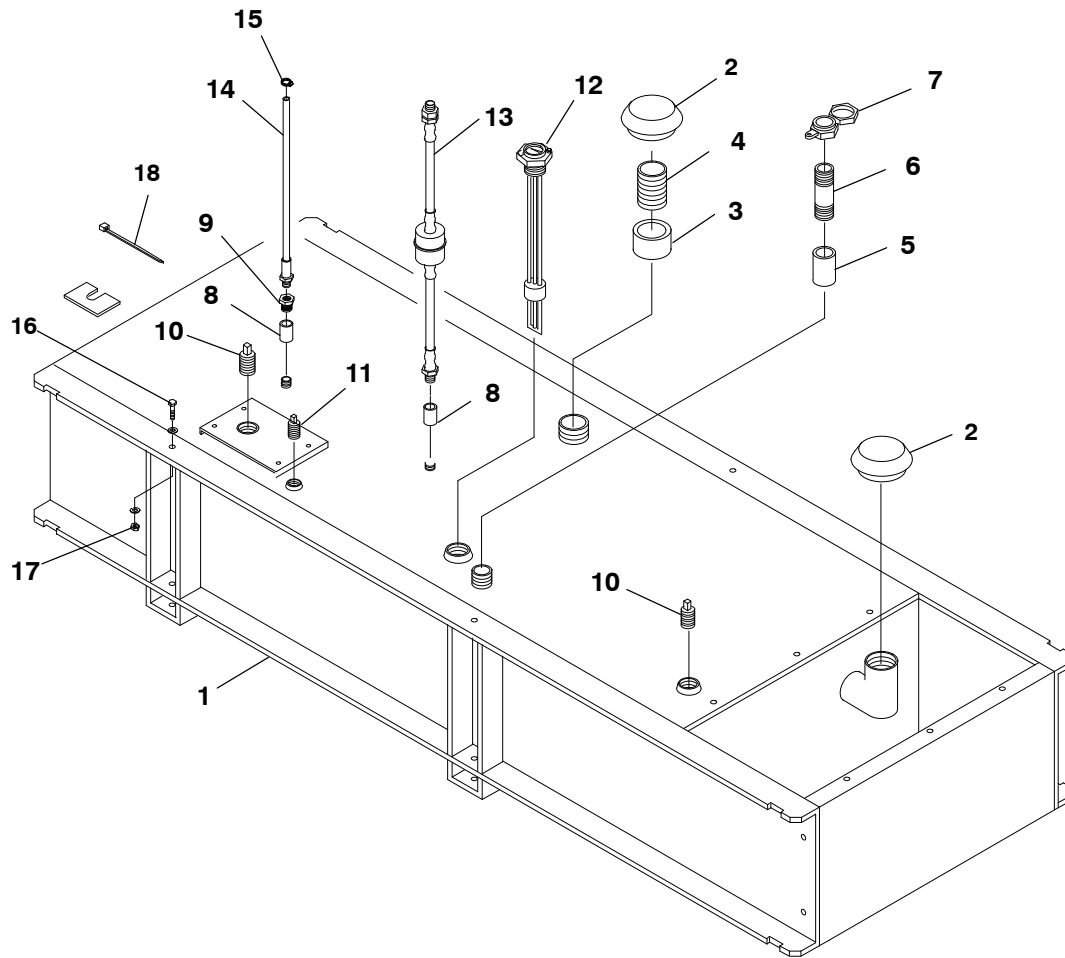
Air Cleaner



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-2239-03	1	Bracket, Mounting – Air Cleaner
2	140-1973	2	Band, Mounting
3	140-3112	1	Cleaner, Air
4	526-2140	3	Washer, Flat (M12)
5	503-2067	1	Elbow, Air Cleaner
6	850-2012	3	Washer, Lock – Spring (M12)
7	718-1072	3	Screw, Cap – Hex Head (M12 x 1.75 x 20)

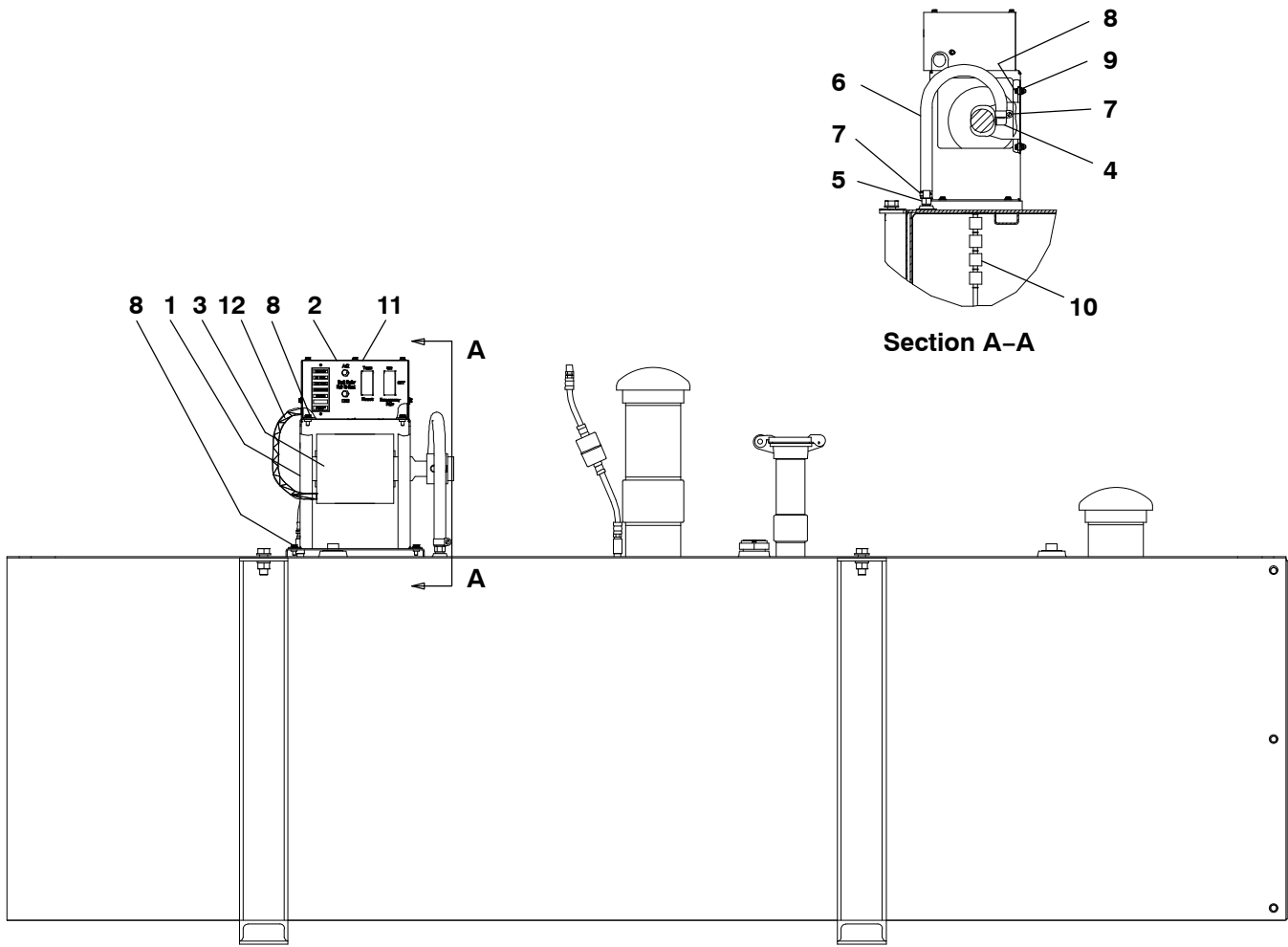
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
8	140-1548	1	Indicator, Service
9	821-2060	4	Screw, Self-Locking – Hex Washer Head (M10 x 20)
10	503-1870-08	2	Clamp, Hose
11	870-2056	4	Nut, Lock – Flange (M10)
12	140-3117	1	Element, Air Cleaner
13	502-0175	1	Adapter, Pipe

Fuel Tank



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	A030G886 A030G891 A030G898	1	Tank, Fuel (2660 x 900 x 752) (2660 x 900 x 406) (2660 x 900 x 272)	10	505-0359	2	Plug, Square Head (1-1/4" NPT)
2	159-1371-05 159-1371-06	2	Cap, Vent - Pipe (2660 x 900 x 406) (2660 x 900 x 272)	11	505-0110	1	Plug, Square Head (3/8"NPT)
3	505-2426 505-0411	1	Coupling, Pipe 125, 173 Gallon Tank (3") 336 Gallon Tank (4")	12	415-0565-59 415-0565-68 415-0565-69	1	Gauge, Liquid Level 125 Gallon Tank 173 Gallon Tank 336 Gallon Tank
4	505-0679 505-0732	1	Nipple, Pipe 125, 173 Gallon Tank (3") 336 Gallon Tank (4")	13	501-0627-03	1	Line, Fuel - In (Includes Fuel Filter 149-2441)
5	505-0203	1	Coupling, Pipe (2" NPT)	14	501-0480-02	1	Line, Fuel - Out
6	505-2425	1	Nipple, Pipe (2" NPT x 6" long)	15	503-0685	4	Clamp, Hose
7	415-0043	1	Cap, Fill - Fuel (2")	16	800-3017-73	4	Screw, Cap - Hex Head (M16 x 2 x 45)
8	505-0027	2	Coupling, Pipe (1/4" NPT)	17	862-0026-58	4	Nut, Hex (M16)
9	505-0007	1	Bushing, Reducer (1/4" NPT x 1/8" NPT)	18	332-0941	1	Tie, Cable

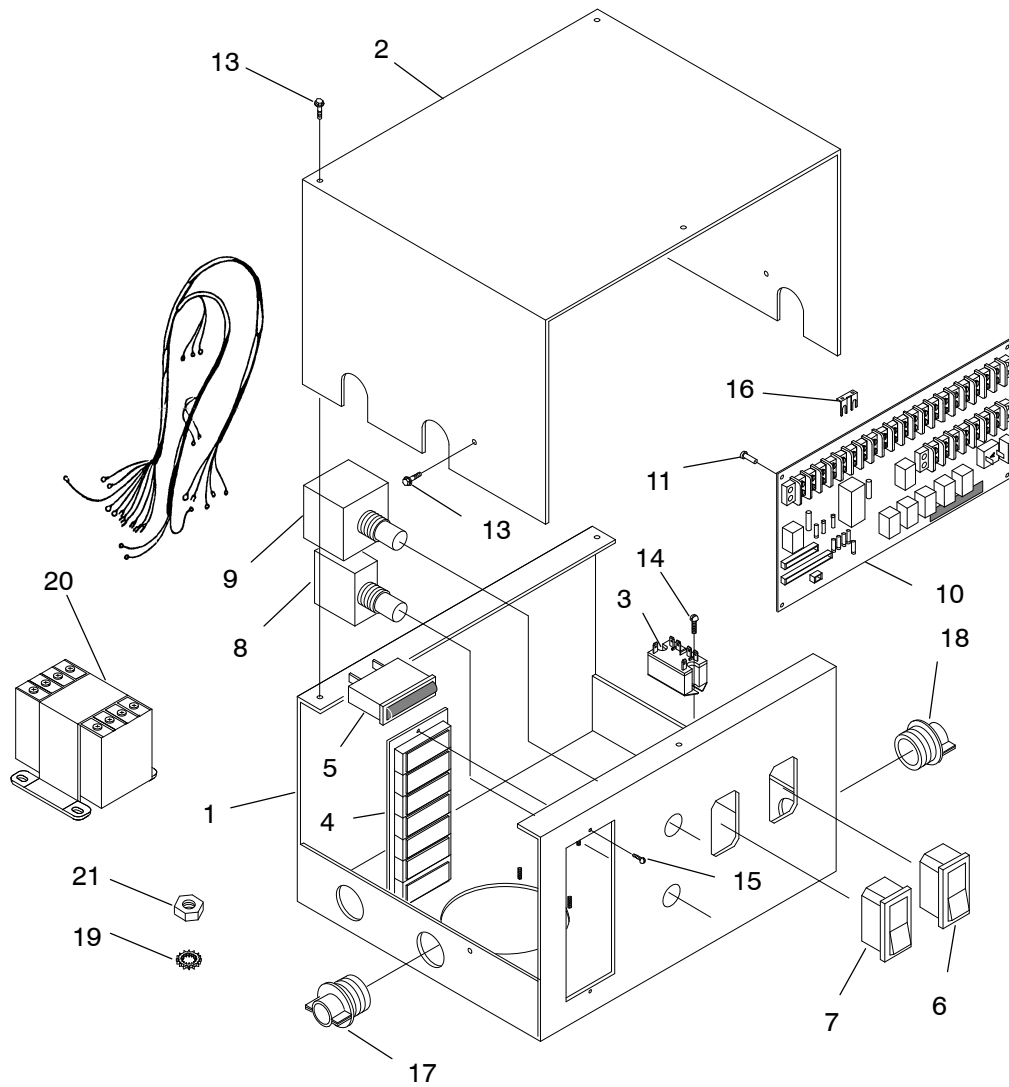
Fuel Pump and Control



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	159-1468	1	Bracket, Pump
2	625-2141-02	1	Control, Day Tank (See Separate Page for Components)
3	399-0117	1	Pump
4	502-0942	1	Elbow, Hose - 90°
5	502-0943	1	Connector, Hose (3/8 NPT x 5/8 ID Hose)
6	503-1660-04	1	Hose, Fuel - Pump to Tank

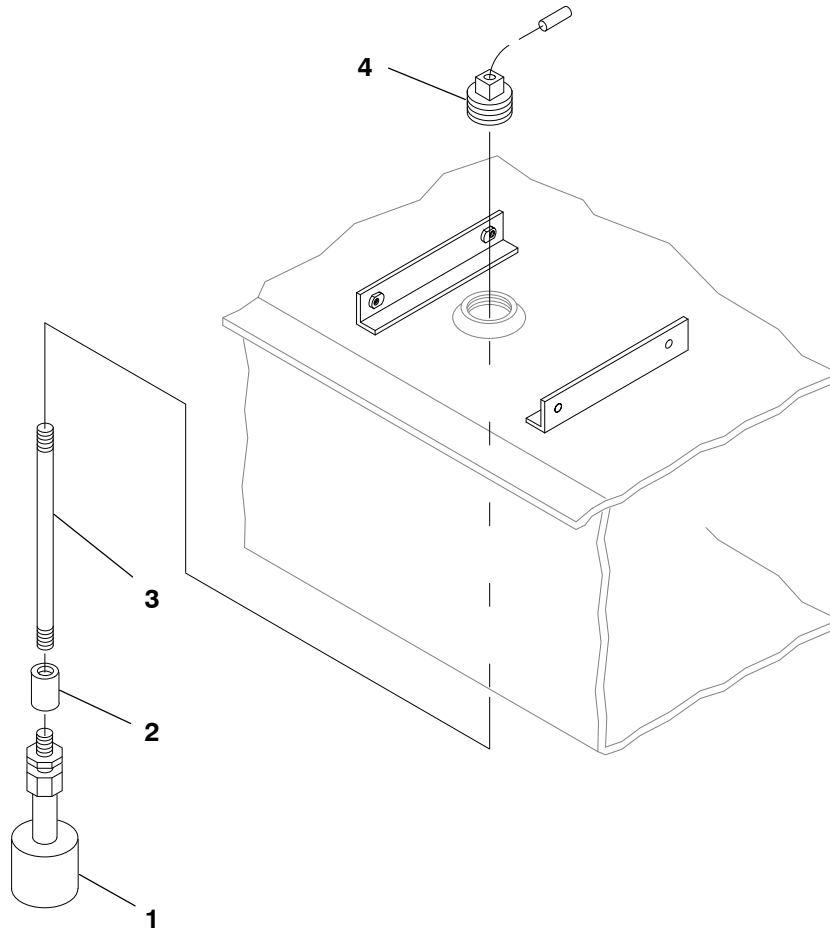
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
7	503-0183	2	Clamp, Hose
8	821-2033	12	Screw, Lock - Flange (M6 x 1 x 16)
9	870-2054	4	Nut, Lock - Flange (M6 x 1)
10			Switch, Float
	308-0913-10	1	173 Gallon Tank
	308-0913-11	1	336 Gallon Tank
11	098-5387	1	Label, Danger
12	338-2397	1	Harness, Wiring

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)	10	300-3464	1	Board, Printed Circuit
1	319-4530	1	Box, Control	11	870-0458	4	Spacer, Board – Printed Circuit
2	319-4534	1	Cover, Box	13	815-0350	5	Screw, Self-Tapping – Slotted Hex Washer Head (#10-32 x 3/8")
3	307-2677-02	1	Relay, Pump (K130)	14	812-0075	2	Screw, Machine – Round Head (#8-32 x 1/4")
4	322-0403-02	1	Light, Assembly, Indicator – 7 Light (Includes Wiring Harness)	15	815-0385	2	Screw, Machine – Round Head (#6-32 x 1/2")
5	322-0369-03	1	Lamp, Indicator – Replacement	16	332-2605	2	Jumper, Terminal
6	308-0912	1	Switch, Rocker (On/Off/ Emergency Run) (S102)	17	331-0027	2	Connector, Romex
7	308-0852	1	Switch, Rocker (Reset/Off/Test) (S111)	18	331-0042	1	Connector, Knockout
8	320-1653	1	Breaker, Circuit – DC (Single Pole) (CB107)	19	856-0002	1	Washer –EIT (#8)
9	A041T419	1	Breaker, Circuit – AC (Double Pole) (CB101)	20	315-0686	1	Transformer (T105)
				21	860-0008	1	Nut, Hex (#8-32)

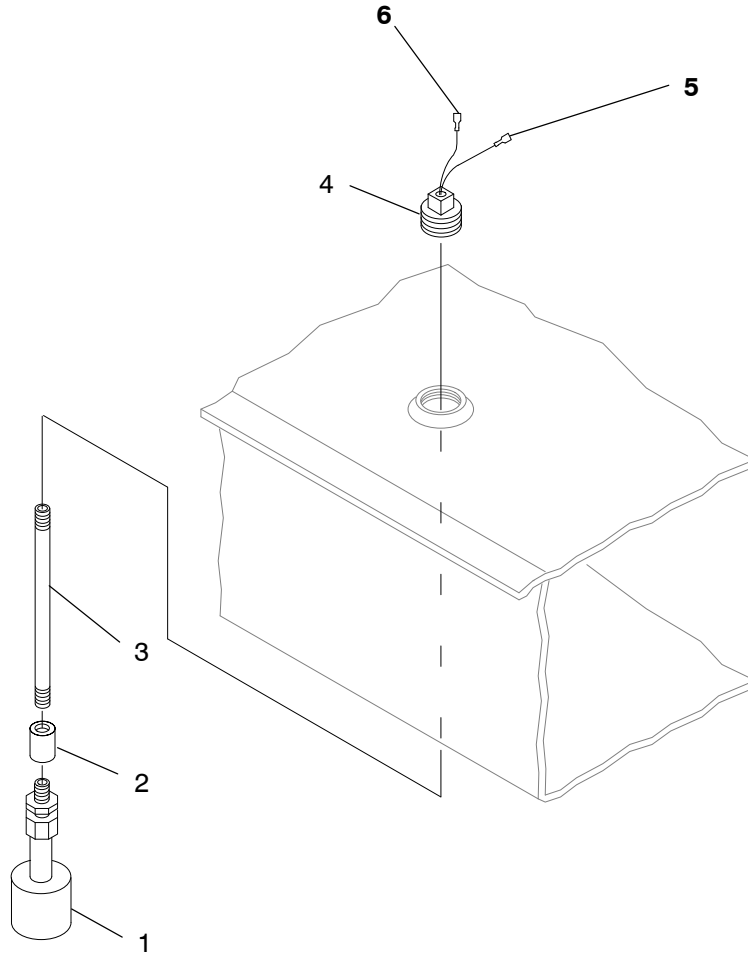
Low Fuel Alarm



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	308-0963-01	1	Switch, Basin (S8)
2	505-0026	1	Coupling (1/8)
3			Nipple, Pipe (1/8)

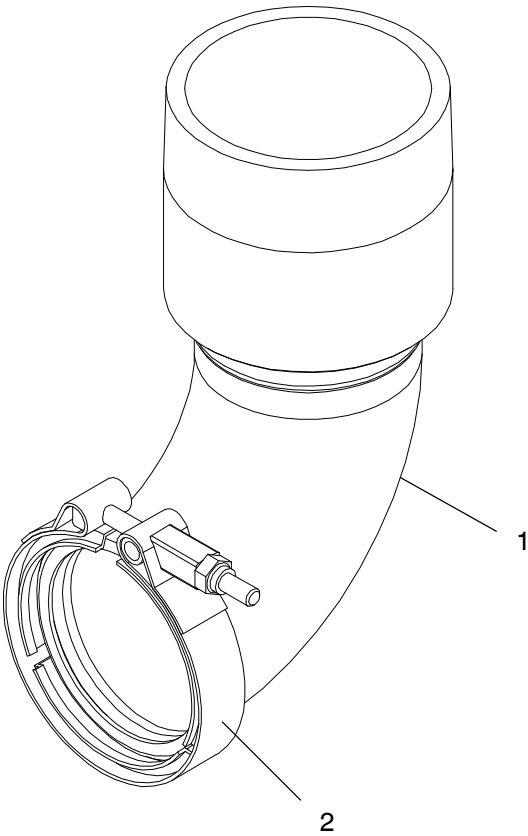
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	505-1458-05	1	336 Gallon Tank
4	505-1050-01	1	Plug, Pipe – Square Head (Modified)

Basin Alarm



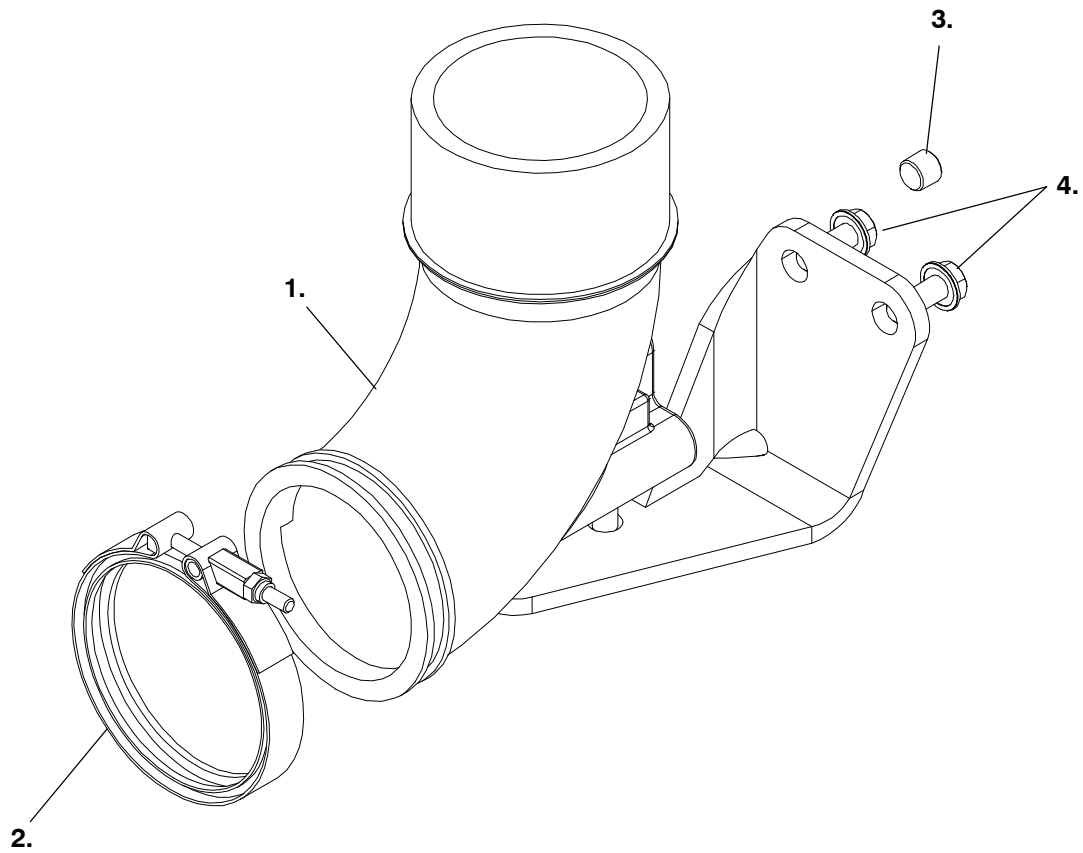
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	308-0916-01	1	Switch, Basin	4	505-1050	1	Plug, Pipe - Square Head (Modified)
2	505-0026	1	Coupling, Pipe	5	332-1992	1	Terminal, Receptacle (.25) (#22-18)
3	505-1458-14	1	Nipple, Pipe	6	332-2430	1	Terminal, Tab (.25) (#22-18)
	505-1458-05	1	70 gallon tank				
			140 gallon tank				

**Exhaust Adapter
Standard**



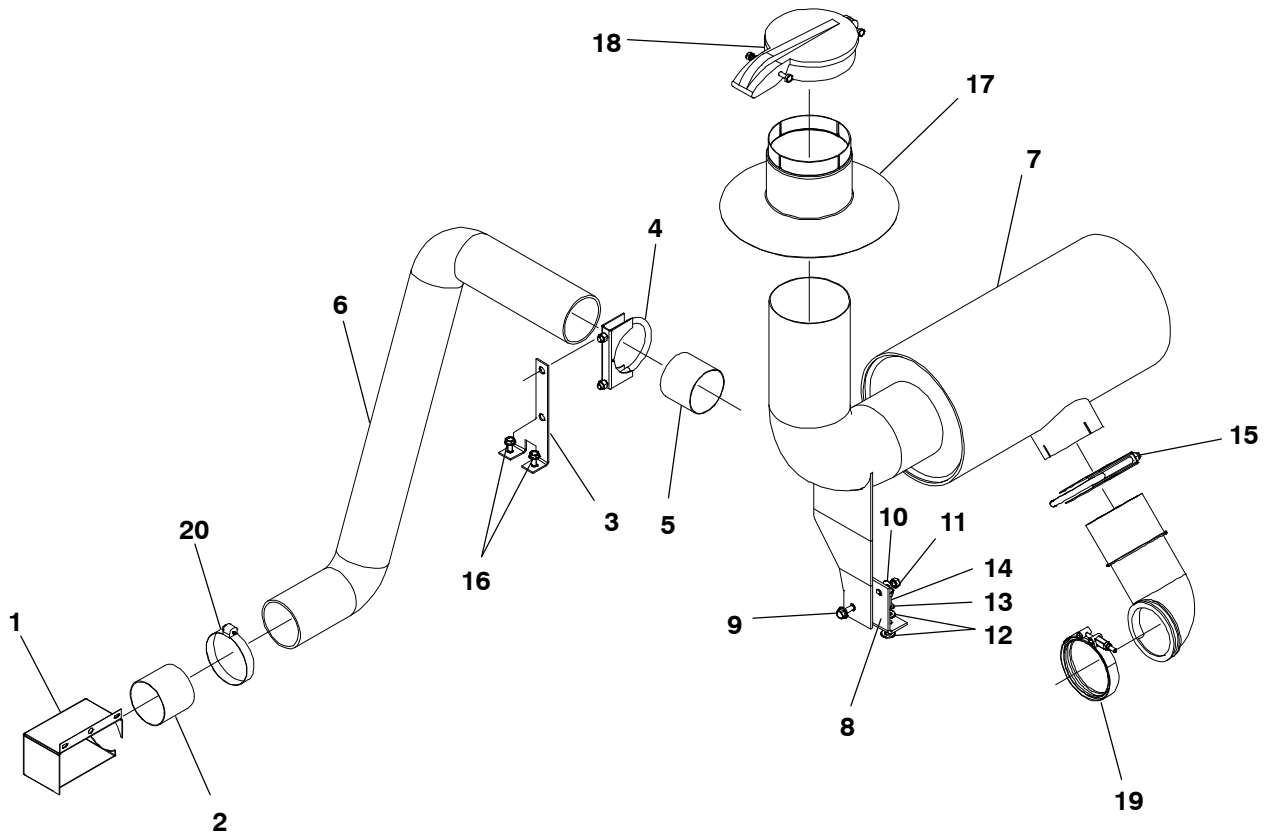
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-3163	1	Adapter, Exhaust	2	155-2570	1	Clamp, V-Band

Exhaust Adapter



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1.	155-3172	1	Adapter, Exhaust	4.	821-2061	4	Screw, Locking – Flange (M10 x 1.5 x 25)
2.	155-2570	1	Clamp, V-Band				
3.	505-0180	1	Plug, Countersunk				

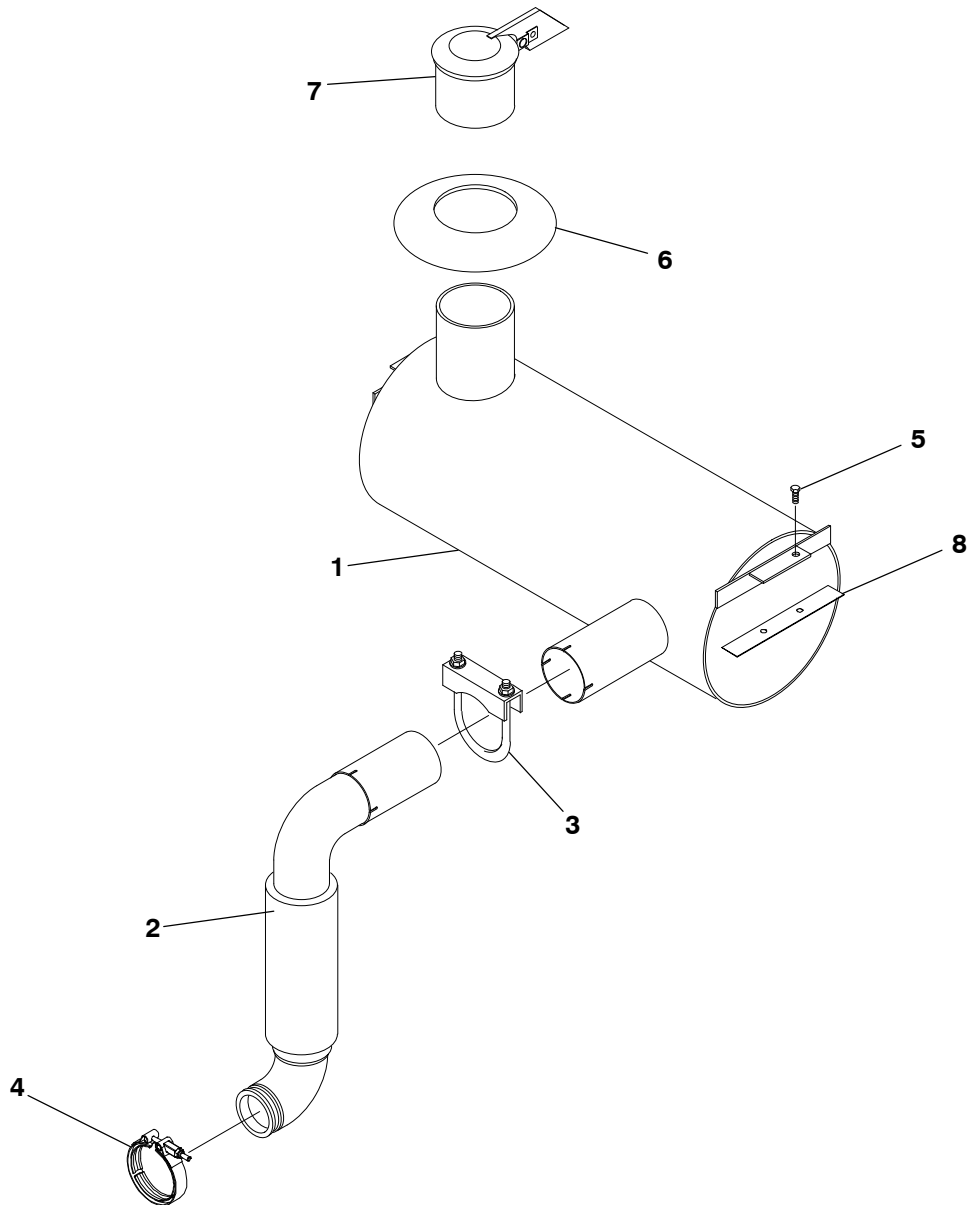
Muffler – Standard



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-3254	1	* Box, Air	14	800-3017-38	1	Screw, Cap – Hex Head (M10 x 30)
2	155-3254	1	* Tube, Air Inlet	15	155-2305	1	Clamp, Muffler
3	155-3271	1	* Bracket, Air Inlet	16	815-0829-04	2	* Screw, Hex Washer Head – Thread Forming (M8 x 16)
4	155-2175	1	* Clamp, Muffler	17	155-3180-01	1	Shield, Rain
5	140-3143	1	* Tube, Air Inlet	18			Cap, Rain
6	140-3148-01	1	* Hose, Air Inlet		155-2062-55	1	Unhoused Sets
7	155-3258-01	1	Muffler		155-2062-63	1	Housed Sets
8	155-3182	1	Bracket, Exhaust	19	155-2570	1	Clamp, V-Band
9	821-6003-02	1	Screw, Hex Head (M8 x 20)	20	503-1870-05	1	* Clamp, Hose
10	526-2106	1	Washer, Flat (M8)				
11	862-0026-55	1	Nut, Hex (M8)				
12	526-0399-42	2	Washer, Flat (Hardened) (M10)				
13	850-0114-55	1	Washer, Lock – Split (M10)				

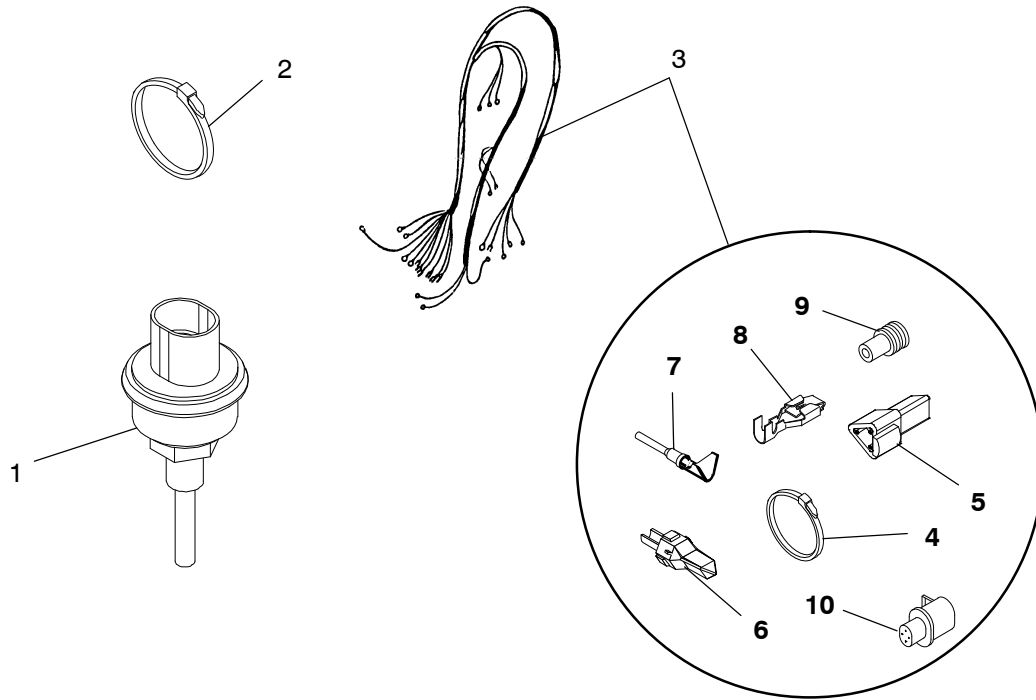
* – Parts Used With Wastegate Turbo

Muffler – Critical Housed Sets



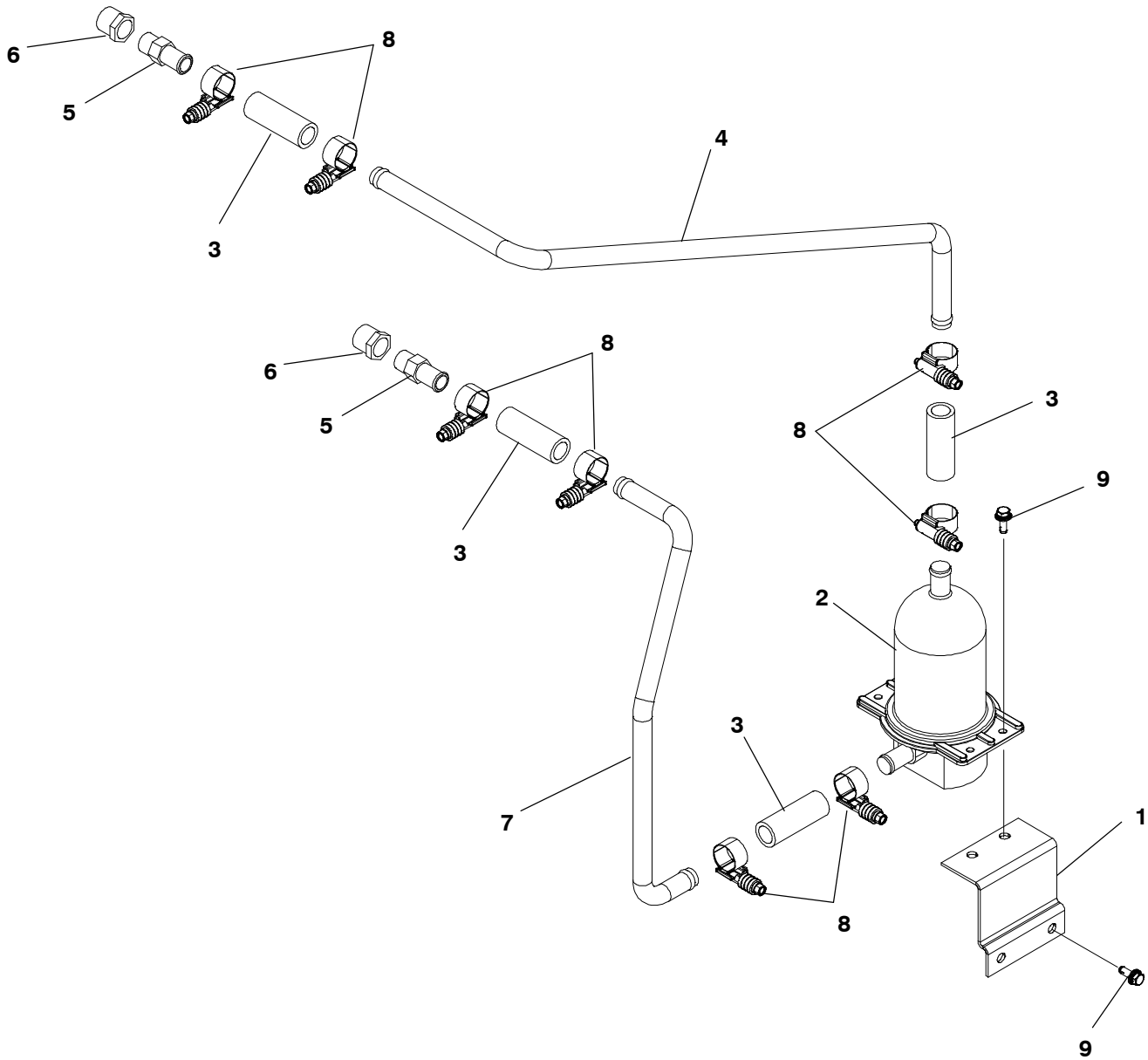
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-3150-04	1	Muffler, Critical	4	155-2570	1	Clamp, V-Band
2	155-3164-01	1	Pipe, Exhaust	5	821-6003-02	2	Screw, Cap – Hex Head
	155-3164-05	1	DGFA, DGFB, DGFC	6	155-3180-01	1	Shield, Rain
		1	DGFS	7	155-2062-63	1	Cap, Rain
3	155-2305	1	Clamp, Muffler	8	155-3219	2	Gasket, 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)	4	332-3388	1	Tie, Cable
	A028Z105	1	DGFA, DGFB (Illustrated)	5	323-1494	1	Connector, Receptacle
2	332-1389	3	DGFC, DGFS	6	323-1502	1	Wedge, Receptacle
3	338-4178-01	1	Tie, Cable	7	323-1491	3	Pin, Contact (S7)
			Harness, Low Coolant Level	8	323-1709	4	Socket, Contact
			Sender (30.00") (Includes the	9	323-1708	4	Seal, Cable
			Following Parts)	10	323-1765	1	Housing, Connector (4 Pin)

Water Heater



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	333-0615	1	Bracket, Heater
2	333-0588-03	1	Heater, Engine Coolant 120 Volt
	333-0588-04		240 Volt
3	503-1634-02	4	Hose, Silicon Rubber (5/8 x 2.5)
4	130-4719	1	Tube, Water Heater
5	502-0943	2	Connector, Hose (3/8 NPT x 5/8 Hose)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
6	505-0019	2	Bushing, Reducer (3/8 x 1/2)
7	130-4720	1	Tube - Water Heater
8	503-2157-01	8	Clamp, Hose
9	821-6002-03	4	Screw, SEMS - Hex Head (M6 x 1.0 x 16)

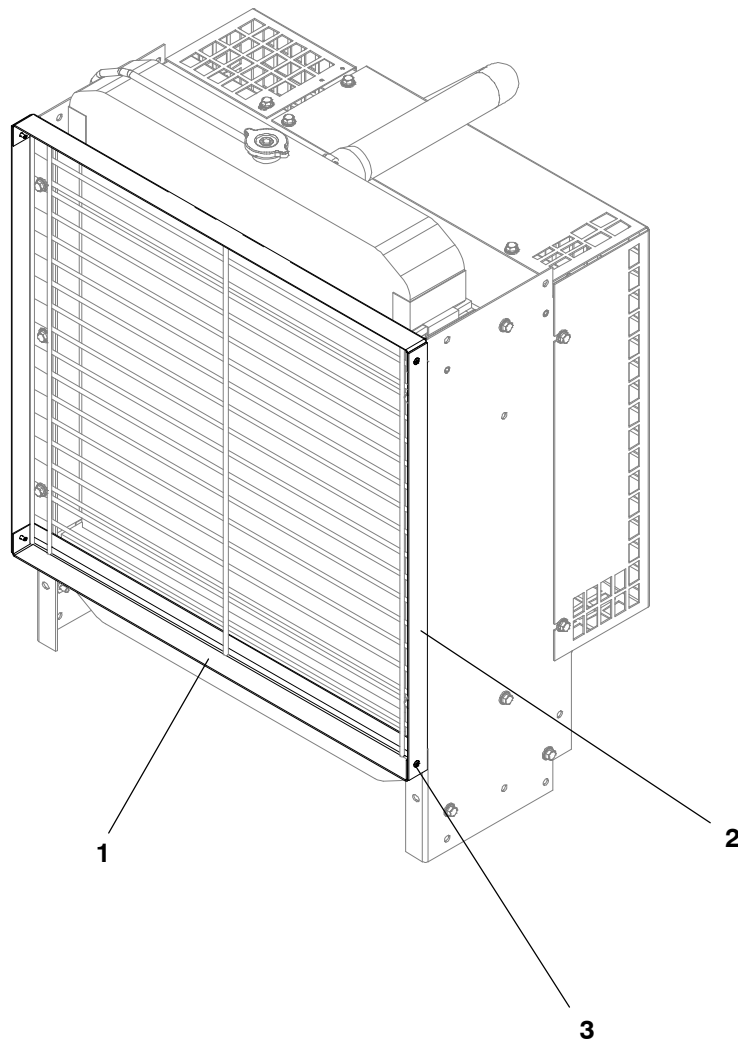
Oil Heater



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Heater, Oil
	333-0429-01	1	120 Volt
	333-0429-02	1	240 Volt

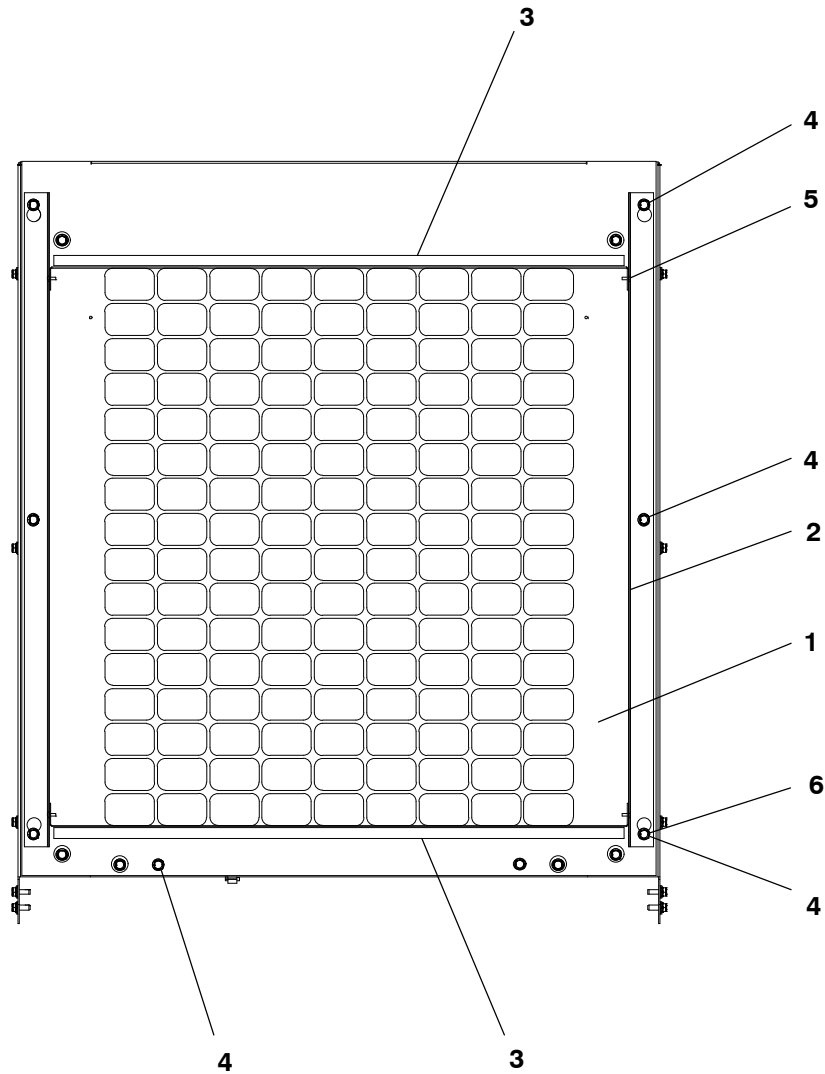
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
2			Cable, Heater – Oil
	335-0168-01	1	120 Volt
	335-0168-02	1	240 Volt

**Duct Adapter
DGFA, DGFB, DGFC**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-4622	2	Adapter, Duct	3	818-0231-02	4	Rivet, Pop
2	130-4734	2	Adapter, Duct - Side				

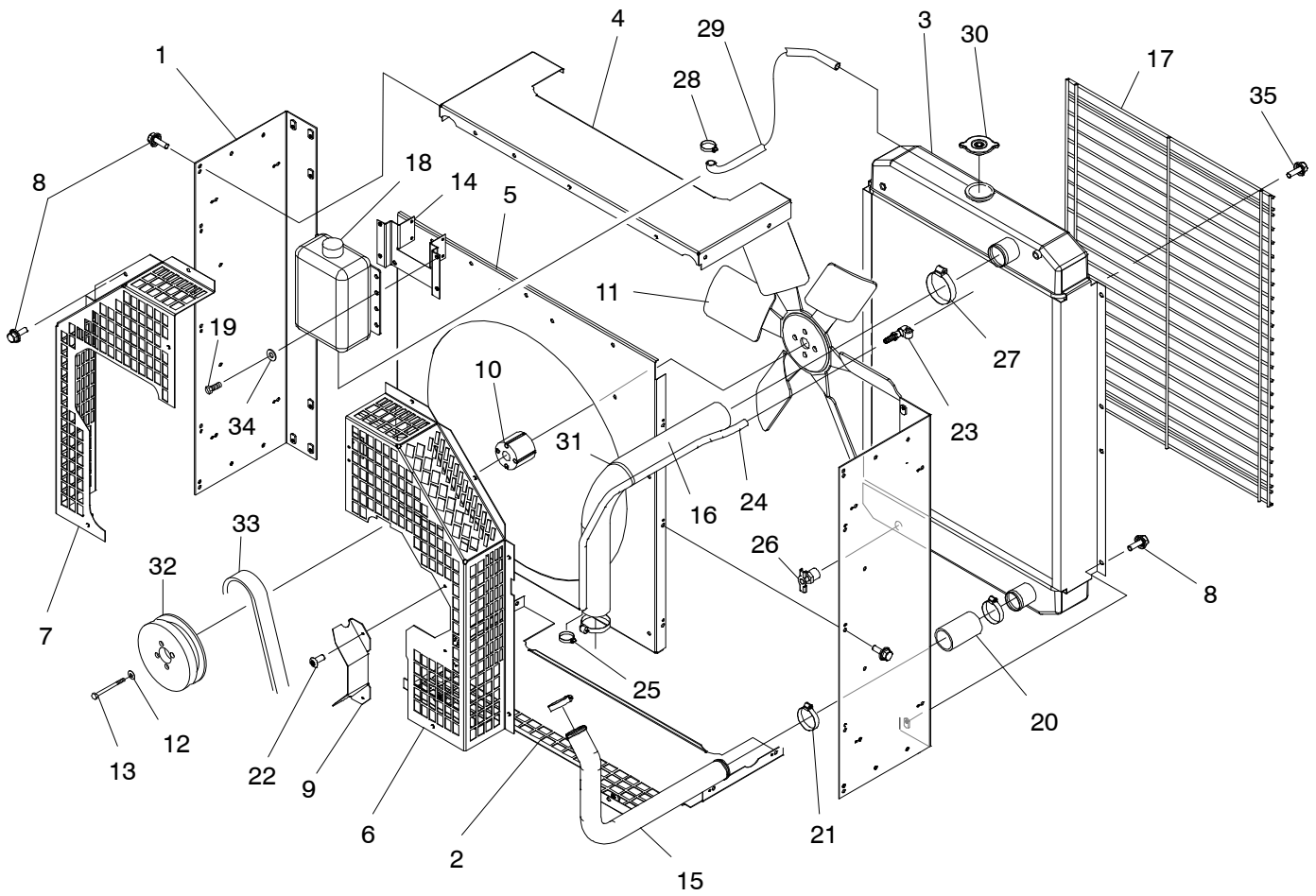
Duct Adapter DGFS



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-8291-02	1	*^ Panel, Enclosure
2	130-6221-02	2	~^ Adapter, Duct - Sides
3	130-6220-02	2	~^ Adapter, Duct - Top and Bottom
4	821-6007-02 A/R		Screw, Hex Head (M8 x 1.25 x 20)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
5	818-0231-02	4	~^ Rivet, Pop
6	526-0451	A/R	Washer, Flat (M8)
* - Used with Discharge Grille			
~ - Used with Duct Adapter			
^ - Used with Grille and Adapter			

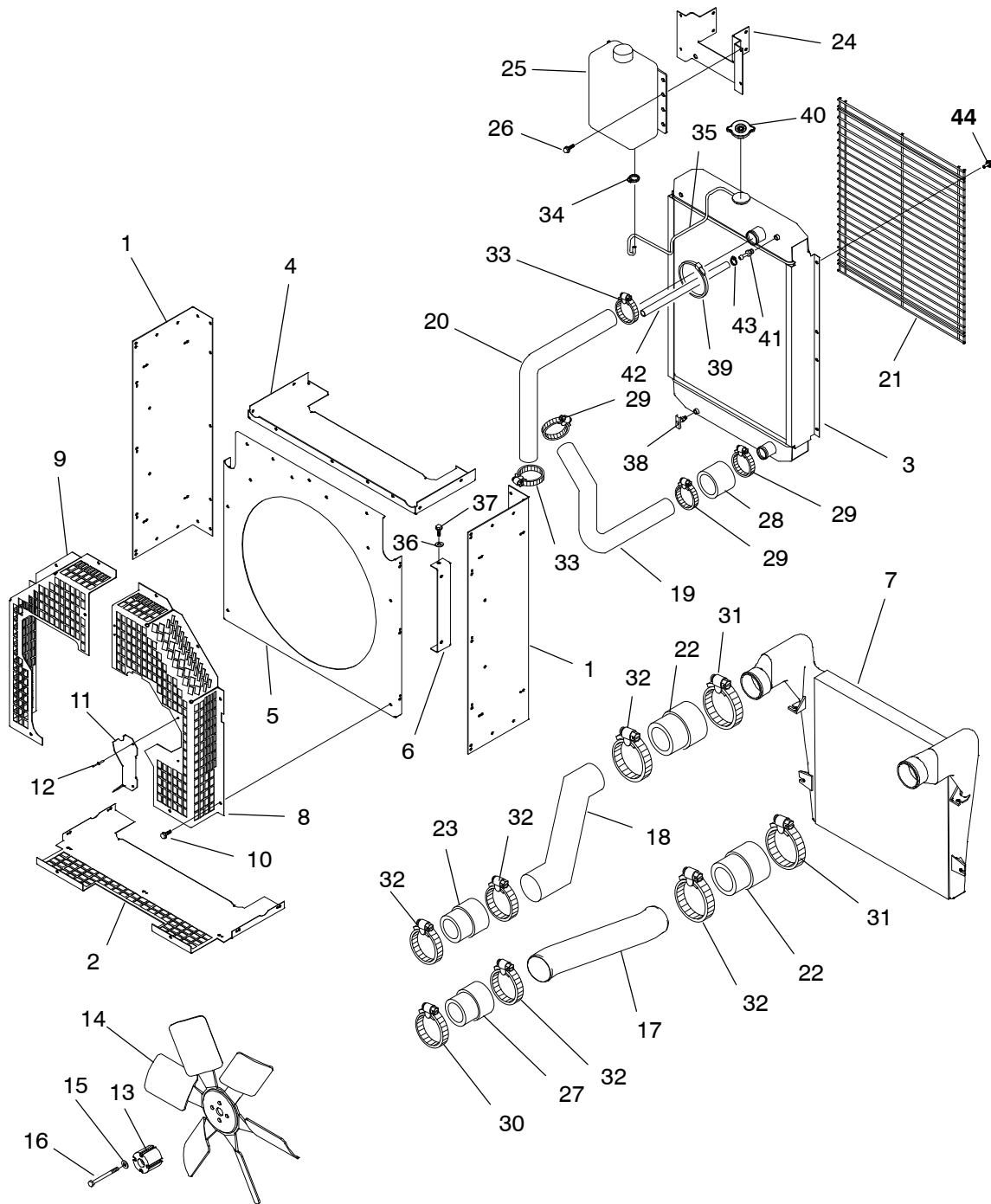
Radiator **DGFA, DGFB** **Without MOH**



**Radiator
DGFA, DGFB
Without MOH**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-4694	2	Side, Housing	14	130-4750	1	Bracket, Bottle
2	130-4693	1	Cover, Shroud – Bottom	15	503-2045	1	Tube, Outlet – Radiator
3			Radiator	16	503-2044	1	Hose, Inlet – Radiator
	130-4691-01	1	All except 175 DGFB 50° Centigrade	17	130-4735	1	Grille (Unhoused Sets)
	130-4691-02	1	175 DGFB 50° Centigrade	18	130-3984	1	Tank, Coolant Recovery
4	130-4700	1	Cover, Shroud – Top	19	821-6002-03	4	Screw, SEMS – Hex Head (M6 x 1 x 16)
5			Shroud	20	503-1554	1	Hose, Radiator
	130-4698	1	All Except 175 DGFB 40° Centigrade	21	503-1141	3	Clamp, Hose
	130-4698-01	1	175 DGFB 40° Centigrade	22	818-0231-02	2	Rivet, Pop
6	130-4697	1	Guard, Fan – LH	23	502-1162	1	Fitting, Barbed – Hose
7	130-4695	1	Guard, Fan – RH	24	503-1408-01	1	Hose
8	821-6003-02	37	Screw, SEMS – Hex Head (M8 x 1.25 x 20)	25	503-0446	2	Clamp, Hose
9	130-4716	1	Guard, Alternator	26	504-0003	1	Cock, Drain
10	130-3216-01	1	Spacer, Fan	27	503-0465	2	Clamp, Hose
11			Fan, Radiator	28	503-0685	1	Clamp, Hose
	130-4733	1	All Except 175 DGFB 40° Centigrade	29	898-1195-08	–	Sleeving– Convolute
	130-3208	1	175 DGFB 40° Centigrade	30	130-3721-01	1	Cap, Radiator (15 PSI)
12	526-2120	4	Washer, Flat (M10)	31	332-1389	2	Tie, Cable
13	800-2099	4	Screw, Cap – Hex Head (M10 x 90)	32	512-0191	1	Pulley, Fan
				33	511-0161-16	1	Belt, V – Ribbed
				34	526-0399-13	4	Washer, Flat
				35	821-6007-02	6	Screw, Hex Head (M8 x 1.25 x 20)

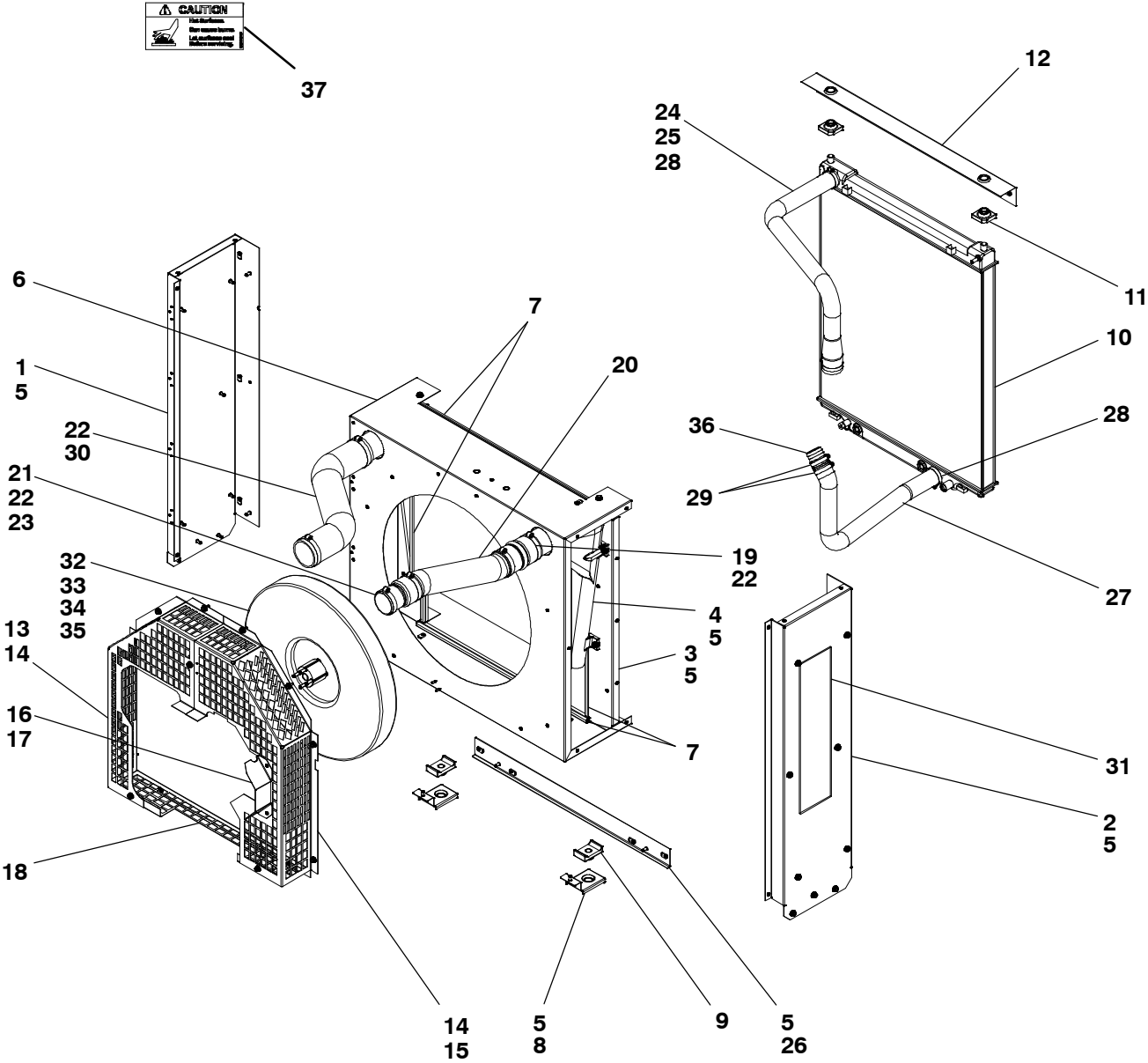
Radiator **DGFA, DGFB, DGFC With MOH**



Radiator **DGFA, DGFB, DGFC With MOH**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-4694	2	Side, Housing	25	130-3984	1	Tank, Coolant Recovery
2	130-4693	1	Cover, Shroud – Bottom	26	821-6002-03	4	Screw, SEMS – Hex Head (M6 x 1 x 16)
3	130-4691-02	1	Radiator	27	502-1294	1	Connector, Turbo Tube
4	130-4700	1	Cover, Shroud – Top	28	503-1554	1	Hose, Radiator
5	130-4692	1	Shroud	29	503-1141	3	Clamp, Hose
6	130-4699	2	Bracket, Charger Air Cleaner	30	503-1872-05	1	Clamp, Hose
7	154-3021	1	Cooler, Air – Charger	31	503-1872-07	2	Clamp, Hose
8	130-4697	1	Guard, Fan – LH	32	503-1872-06	5	Clamp, Hose
9	130-4695	1	Guard, Fan – RH	33	503-1142	2	Clamp, Hose
10	821-6003-02	41	Screw, SEMS – Hex Head (M8 x 1.25 x 20)	34	503-0685	1	Clamp, Hose
11	130-4716	1	Guard, Alternator	35	898-1195-08	–	Sleeving, Convoluted – Bulk (Order By The Foot – 4 Feet Required)
12	818-0231-02	2	Rivet, Pop	36	526-0113	4	Washer, Flat (5/16")
13	130-3216-01	1	Spacer, Fan	37	800-2515	4	Screw, Cap – Hex Head (M8 x 30)
14	130-4733	1	Fan, Radiator	38	504-0003	1	Cock, Drain
15	526-2120	4	Washer, Flat (M10)	39	332-1389	2	Tie, Cable
16	718-1067	4	Screw, Cap – Hex Head (M10 x 90)	40	130-3721-01	1	Cap, Radiator (15 PSI)
17	502-1290	1	Tube, Connector – Turbo (3.5")	41	502-1162	1	Connector, Hose
18	502-1291	1	Tube, Charge Air Cleaner	42	503-1408-01	1	Hose
19	503-2045	1	Tube, Radiator Outlet	43	503-1133	2	Clamp, Hose
20	503-2044	1	Hose, Radiator Inlet	44	821-6007-02	6	Screw, Hex Head (M8 x 1.25 x 20)
21	130-4735	1	Grille (Unhoused sets)				
22	502-1292	2	Connector, Turbo Tube				
23	502-1293	1	Connector, Turbo Tube				
24	130-4750	1	Bracket, Bottle				

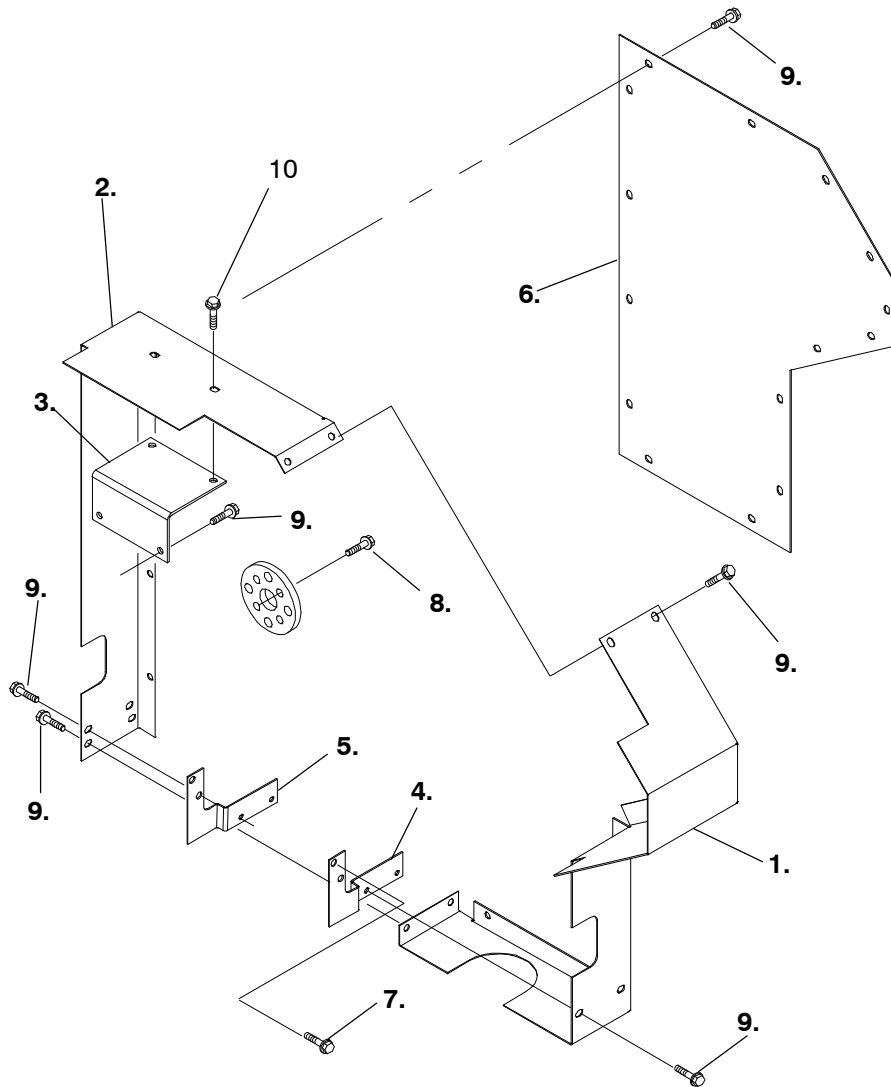
Radiator DGFS



Radiator DGFS

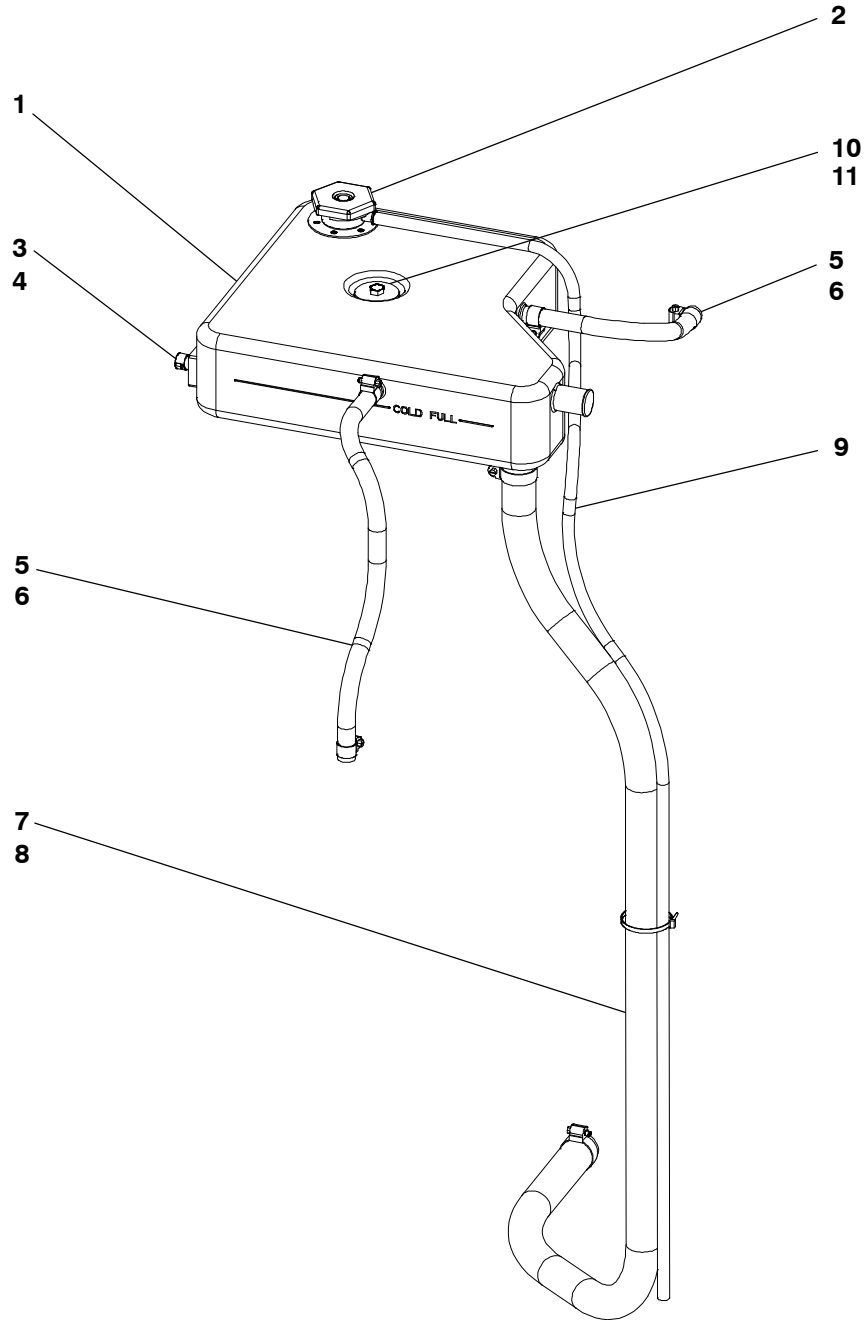
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-6206-02	1	Bracket, Shroud	19	502-1293	1	Connect, Turbo Tube
2	130-6205-02	1	Bracket, Shroud	20	130-6236	1	Tube, Heat Exchanger
3	130-6126-02	2	Baffle, Air - Shroud	21	502-1294	1	Connect, Turbo Tube
4	154-3178	1	Cooler, Charge Air	22	503-1872-06	5	Clamp, Hose
5	821-6007-02	38	Screw, Hex Head (M8 x 1.25 x 20)	23	503-1872-05	1	Clamp, Hose
6	130-6208-02	1	Shroud, Fan	24	503-2515	1	Hose, Radiator
7	895-0381	-	Seal, Weather - Bulk (Order by the Foot - 11 Feet Required)	25	503-1142	1	Clamp, Hose
8	130-6207-02	2	Bracket, Radiator	26	130-6219-02	1	Bracket, Radiator
9	508-1196	2	Bushing	27	503-2538	1	Hose, Radiator
10	130-5996-01	1	Radiator	28	503-1141	2	Clamp, Hose
11	508-1197	2	Bushing	29	503-0365	2	Clamp, Hose
12	130-6211-02	1	Bracket, Radiator	30	503-2517	1	Hose, Air
13	130-4695	1	Guard, Fan - Right	31	128-0154-06	1	Insulation, Foam
14	821-6003-01	13	Screw, Hex Head (M8 x 1.25 x 16)	32	130-3216-01	1	Spacer, Fan
15	130-4697	1	Guard, Fan - Left	33	130-4733	1	Fan, Radiator
16	130-4716	1	Guard, Alternator	34	526-2120	4	Washer, Flat (M10)
17	818-0231-02	2	Rivet, Pop	35	718-1067	4	Screw, Cap - Hex Head (M10 x 1.5 x 90)
18	130-6212-02	1	Cover, Shroud	36	502-1520	1	Coupling, Hose
				37	098-7451-01	1	Label, Caution

Remote Radiator DGFA, DGFB



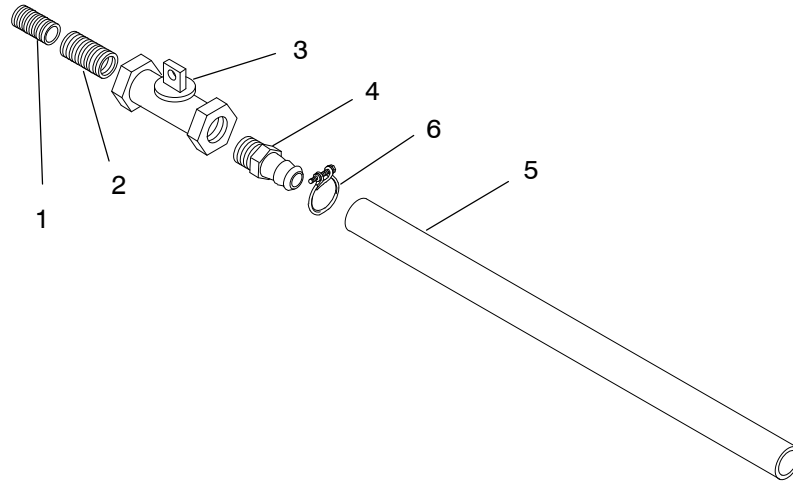
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1.	130-4708	1	Guard, Belt	8.	821-2061	4	Screw, Lock – Flange (M10 x 1.5 x 25)
2.	130-4709	1	Guard, Belt	9.	821-6003-02	27	Screw, SEMS – Hex Head (M8 x 1.25 x 20)
3.	130-4712	1	Bracket, Guard – Belt				
4.	130-4710	1	Bracket, Guard – Belt (LH)				
5.	130-4711	1	Bracket, Guard – Belt (RH)				
6.	130-4707	1	Cover, Guard – Belt				
7.	718-1072	4	Screw, Cap – Hex Head (M12 x 1.75 x 20)				

Expansion Tank DGFS



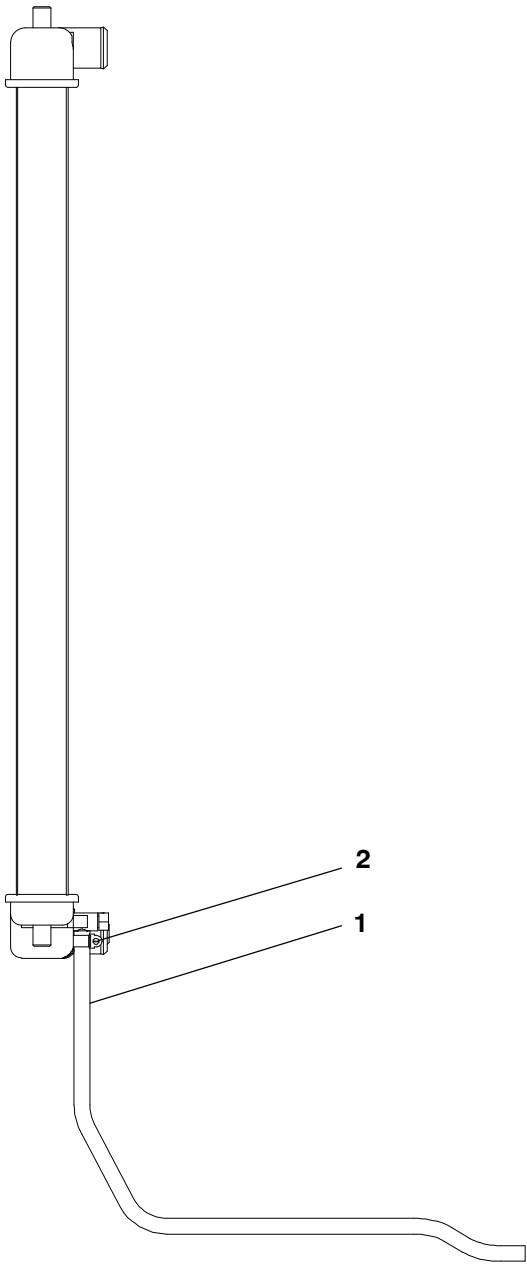
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-6319	1	Tank, Expansion	8	503-1137	2	Clamp, Hose
2	130-3929	1	Cap, Filler	9	503-0276	-	Hose, Breather – Bulk (Order by the Foot 5 Feet Required)
3	502-0153	1	Plug, Square Head (Without Low Coolant Switch)	10	526-0333	1	Washer, Flat
4	A028Z105	1	Sendor, Low Coolant	11	800-2072	1	Screw, Cap – Hex Head (M8 x 1.25 x 100)
5	A052K226	2	Hose				
6	503-0446	4	Clamp, Hose				
7	503-2079	-	Hose – Bulk (Order by the Foot – 5 Feet Required)				

Radiator Drain DGFA, DGFB, DGFC



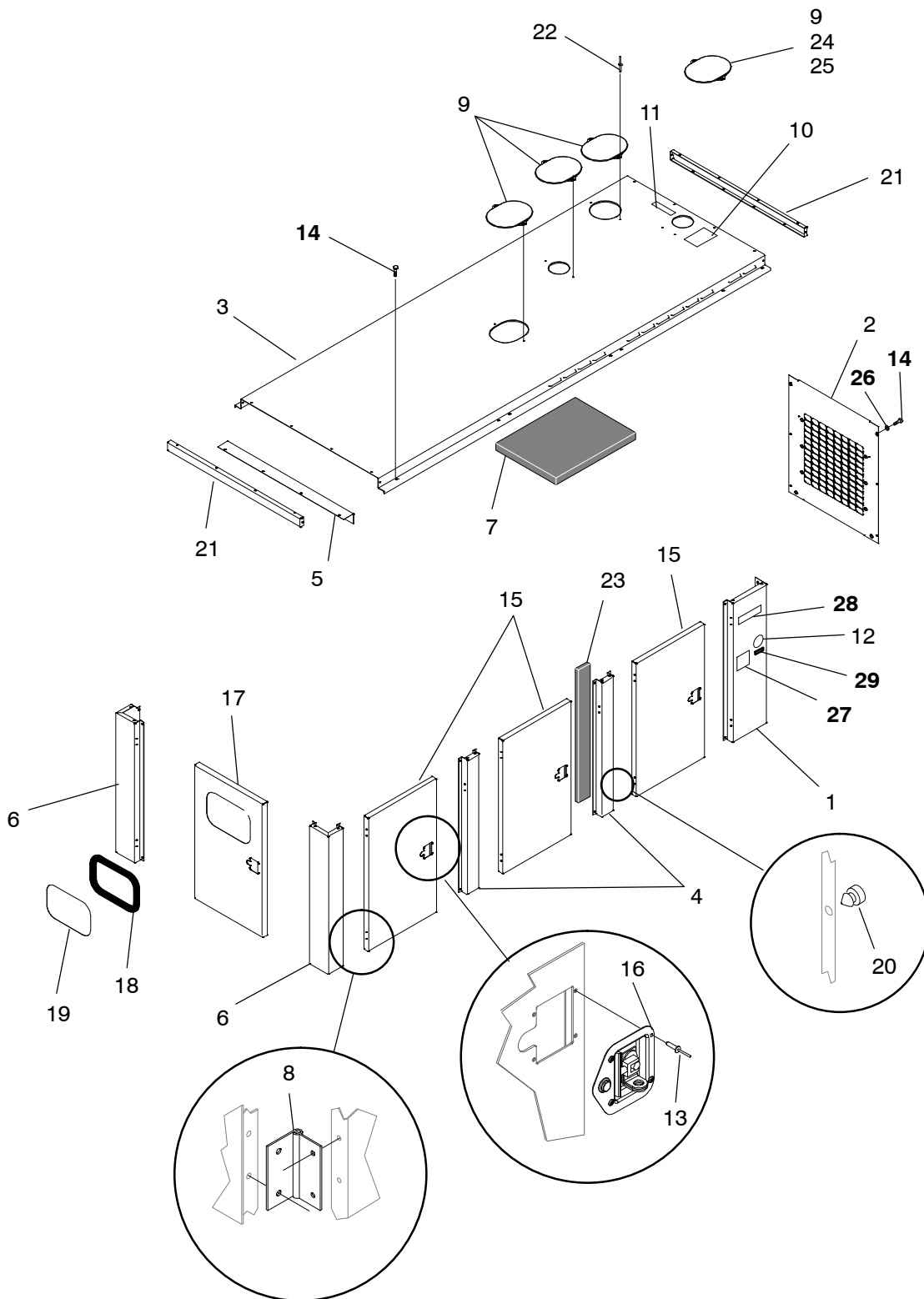
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	502-0047	1	Nipple, Pipe (1/4)	4	502-0827	1	Hose, Barb (1/2 x 3/4)
2	505-0117		Bushing, Flush (1/4 x 1/2)	5	503-0889	1	Hose, Breather
3	504-0011	1	Valve, Shutoff (1/2)	6	503-0197	1	Clamp, Hose

Radiator Drain
DGFS



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	503-1408-01	1	Hose	2	503-1134	1	Clamp, Hose

Housing Standard Weather Protective DGFA, DGFB, DGFC



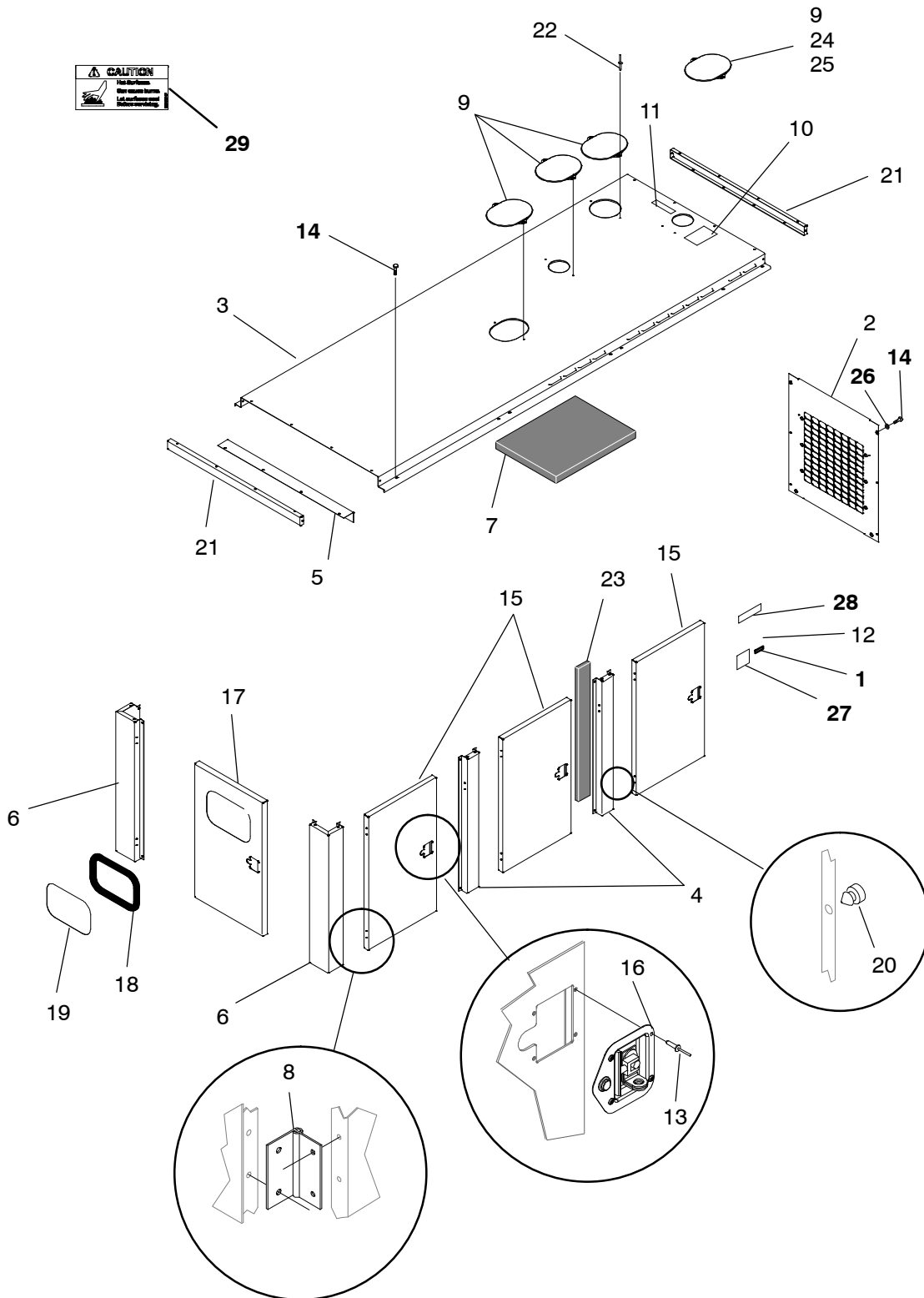
Housing

Standard Weather Protective

DGFA, DGFB, DGFC

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-5908	2	Panel, Side – Radiator Housing	18	895-0363	–	Weatherstrip – Window – Bulk (Order By The Foot – 4 Feet Required)
2	405-5909	1	Panel, Front – Radiator Housing	19	319-2653	1	Window, Control (If Equipped)
3	405-5926	1	Roof	20	895-0382	14	Bumper, Door
4	405-5744	4	Post, Housing – Center	21	405-5917	2	Panel, End – Roof
5	405-5915	1	Angle, Roof	22	818-0237-01	6	Rivet, Pop (1/8)
6	405-5916	2	Post, Corner – Housing	23	128-0154-01	1	Insulation, Foam
7	128-0154-02	1	Insulation, Foam	24	870-0504	2	Nut, Captive Floating (M6 x 1.0)
8	406-0831	14	Hinge, Door	25	821-6006-01	2	Screw, Hex Head (M6 x 16)
9	155-3238	3	Cover, Exhaust	26	526-0451	2	Washer, Flat – Stainless Steel (M8)
10	098-4730	1	Label, Warning	27	098-4732	2	Label, Warning
11	098-5429	1	Label, Coolant Fill	28	098-7902-03	2	Label, Logo
12	098-4500	2	Label, Prototype Tested	29	098-7868	1	Label
13	818-0231-02	98	Rivet, Pop (3/16)				
14	821-6007-02	36	Screw, Hex Head (M8 x 1.25 x 20)				
15	405-5832	6	Door, Housing				
16	406-0972-01	7	Latch, Door				
17			Door, Housing				
	405-5903	1	Sets With Control Window				
	405-5902	1	Sets W/O Control Window				

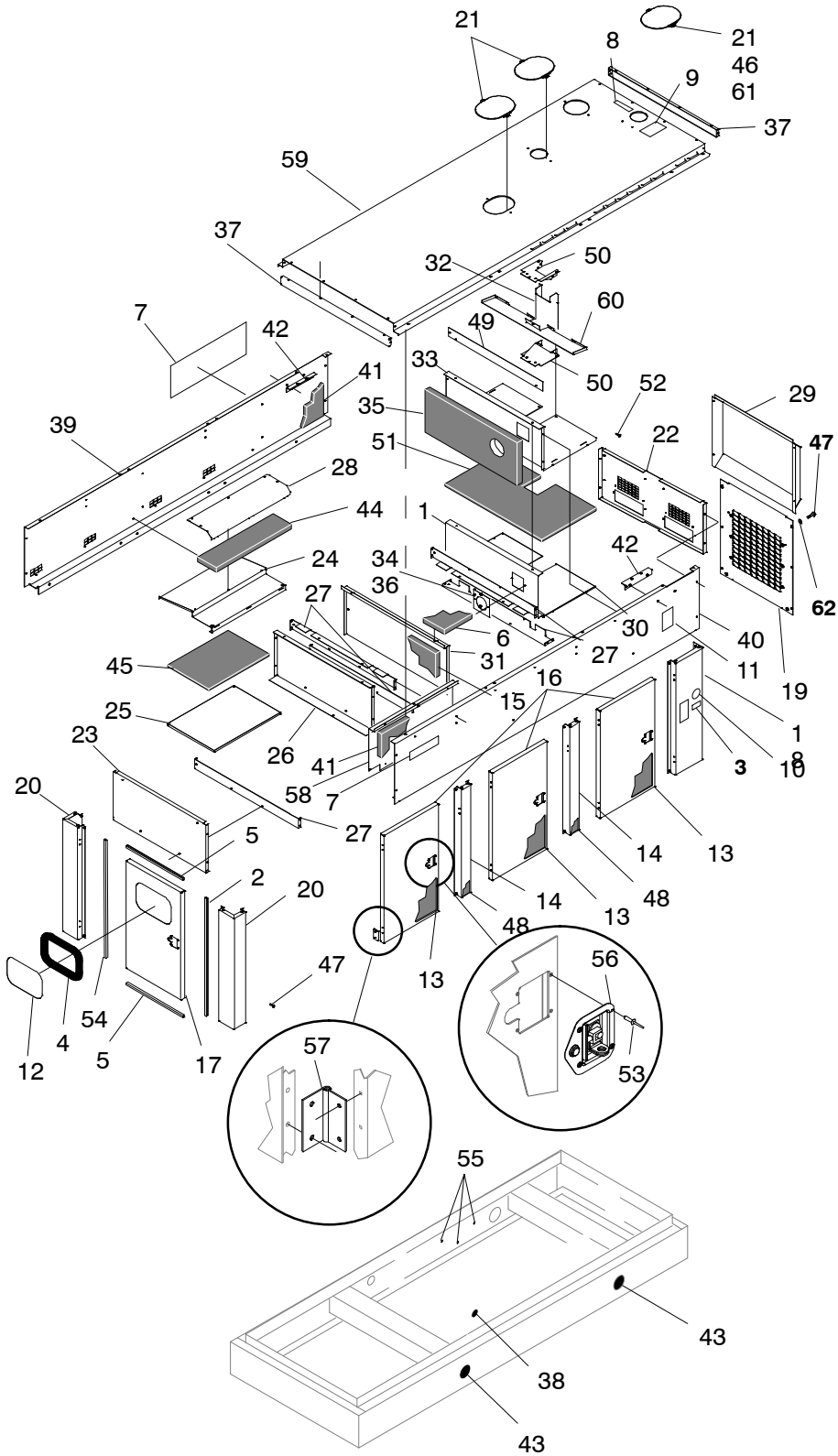
Housing Standard Weather Protective DGFS



Housing Standard Weather Protective DGFS

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	098-7868	1	Label		405-5903	1	Sets With Control Window
2	405-8291-02	1	Panel, Front – Radiator Housing		405-5902	1	Sets W/O Control Window
3	405-5926	1	Roof	18	895-0363	–	Weatherstrip – Window – Bulk (Order By The Foot – 4 Feet Required)
4	405-5744	4	Post, Housing – Center				
5	405-5915	1	Angle, Roof	19	319-2653	1	Window, Control (If Equipped)
6	405-5916	2	Post, Corner – Housing	20	895-0382	14	Bumper, Door
7	128-0154-02	1	Insulation, Foam	21	405-5917	2	Panel, End – Roof
8	406-0831	14	Hinge, Door	22	818-0237-01	4	Rivet, Pop (1/8)
9	155-3238	3	Cover, Exhaust	23	128-0154-01	1	Insulation, Foam
10	098-4730	1	Label, Warning	24	870-0504	2	Nut, Captive Floating (M6 x 1.0)
11	098-5429	1	Label, Coolant Fill	25	821-6006-01	2	Screw, Hex Head (M6 x 16)
12	098-4500	2	Label, Prototype Tested	26	526-0451	2	Washer, Flat – Stainless Steel (M8)
13	818-0231-02	100	Rivet, Pop (3/16)				
14	821-6007-02	36	Screw, Hex Head (M8 x 1.25 x 20)	27	098-4732	2	Label, Warning
15	405-5832	6	Door, Housing	28	098-7902-03	2	Label, Logo
16	406-0972-01	7	Latch, Door	29	098-7451-01	1	Label, Caution
17			Door, Housing				

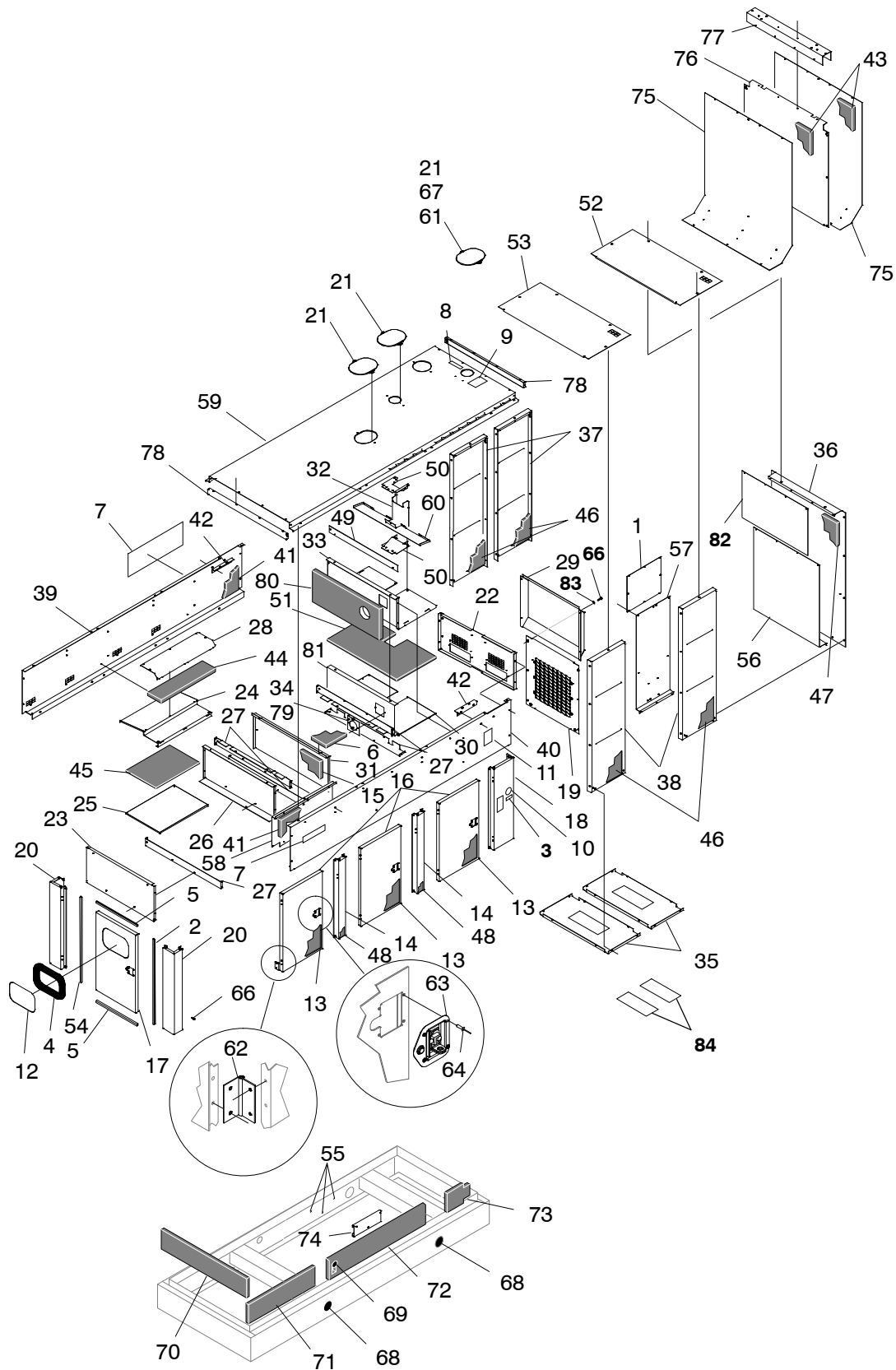
Housing Quiet Site First Stage



Housing Quiet Site First Stage

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-8312	1	Retainer, Insulation	30	405-8306	1	Retainer, Insulation
2	895-0385	7	Weather Seal – Side	31	405-8307	3	Retainer, Insulation
3	098-7868	1	Label	32	405-5963	1	Fill Neck – Radiator
4	895-0363	–	Weather Strip – Window – Bulk (Order By The Foot – 4 Feet Required)	33	405-5966	1	Box, Muffler
5	895-0384	14	Weather Seal – Top & Bottom	34	405-5986	1	Cover, Exhaust Inlet
6	405-6001-01	2	Insulation	35	405-6109	1	Insulation
7	098-7902-03	2	Label, Logo	36	526-0011	2	Washer, Flat
8	098-5429	1	Label, Coolant Fill	37	405-5917	2	Panel, End – Roof
9	098-4730	1	Label, Caution	38	517-0138-07	2	Plug
10	098-4500	2	Label, Prototype Tested	39	405-5950	1	Extension, Side – RH
11	098-7451	2	Label, Caution	40	405-5951	1	Extension, Side – LH
12	319-2653	1	Window, Control	41	405-5997	2	Insulation
13	405-5734	6	Insulation, Door	42	405-5998	2	Support, Muffler
14	405-5744	4	Post, Housing – Center	43	517-0322	4	Plug
15	405-5841	3	Fiberglass	44	405-6000-02	2	Insulation
16			Door, Housing	45	405-6000-03	2	Insulation
	405-5902	6	Sets W/Control Window	46	821-6006-01	2	Screw, Hex Head (M6 x 16)
	405-5902	7	Sets WO/Control Window	47	821-6007-02	54	Screw, Hex Head (M8 x 20)
17	405-5903	1	Door W/Window Cutout	48	405-6001-02	4	Insulation
18	405-5908	2	Panel, Side – Radiator Housing	49	405-6002	1	Barrier, Air Flow
19			Panel, Front – Radiator Housing	50	405-6003	2	Box, Radiator Fill
	405-5909	1	DGFA, DGFB, DGFC	51	405-6005	1	Insulation
	405-8291-02	1	DGFS	52	818-0237-01	39	Rivet (1/8)
20	405-5916	2	Post, Corner – Housing	53	818-0231-02	164	Rivet (3/16)
21	155-3238	3	Cover, Exhaust	54	895-0386	7	Weather Seal
22	405-5952	1	Extension, Front	55	517-0131	3	Plug
23	405-5953	1	Extension, Rear	56	406-0972-01	7	Latch, Door
24	405-5954	2	Baffle, Air	57	406-0831	14	Hinge, Door
25	405-8304	2	Retainer, Insulation	58	405-8311	2	Retainer, Insulation
26	405-5956	1	Duct, Support	59	405-5926	1	Roof
27	405-5957	5	Angle, Support	60	405-5959	1	Baffle, Recirculation – Muffler
28	405-8305	2	Retainer, Insulation	61	870-0504	2	Nut, Captive Floating (M6 x 1.0)
29	405-5962	1	Baffle, Air – Discharge	62	526-0451	4	Washer, Flat – Stainless Steel (M8)

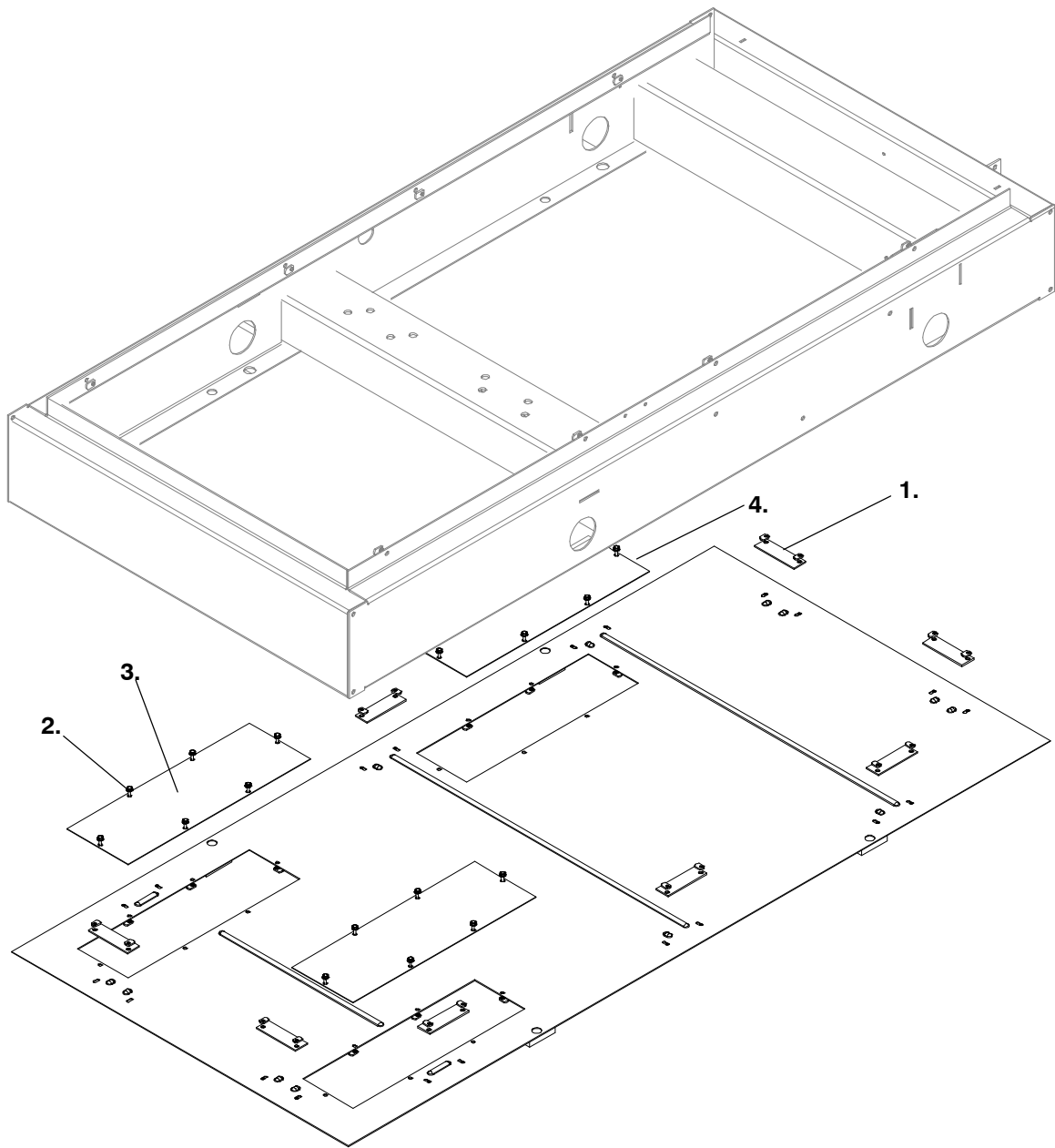
Housing Quiet Site Second Stage



Housing Quiet Site Second Stage

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-8313	4	Retainer, Insulation	40	405-5951	1	Extension, Side – LH
2	895-0385	7	Weather Seal – Side	41	405-5997	2	Insulation
3	098-7868	1	Label	42	405-5998	2	Support, Muffler
4	895-0363	–	Weather Strip – Window – Bulk (Order By The Foot – 4 Feet Required)	43	405-6000-01	2	Insulation
5	895-0384	14	Weather Seal – Top & Bottom	44	405-6000-02	2	Insulation
6	405-6001-01	2	Insulation	45	405-6000-03	2	Insulation
7	098-7902-03	2	Label, Logo	46	405-6000-04	4	Insulation
8	098-5429	1	Label, Coolant Fill	47	405-6000-07	1	Insulation
9	098-4730	1	Label, Caution	48	405-6001-02	4	Insulation
10	098-4500	2	Label, Prototype Tested	49	405-6002	1	Barrier, Air Flow
11	098-7451	2	Label, Caution	50	405-6003	2	Box, Radiator Fill
12	319-2653	1	Window, Control	51	405-6005	1	Insulation
13	405-5734	6	Insulation, Door	52	405-5989	1	Cover, Discharge
14	405-5744	4	Post, Housing – Center	53	405-6010	1	Cover, Discharge
15	405-5841	3	Insulation	54	895-0386	7	Weather Seal
16			Door, Housing	55	517-0131	3	Plug
	405-5902	6	Sets W/Control Window	56	405-6013	1	Retainer, Insulation
	405-5902	7	Sets WO/Control Window	57	405-8310	4	Retainer, Insulation
17	405-5903	1	Door W/Window Cutout	58	405-8311	2	Retainer, Insulation
18	405-5908	2	Panel, Side – Radiator Housing – DGFA, DGFB, DGFC	59	405-5926	1	Roof
19			Panel, Front – Radiator Housing	60	405-5959	1	Baffle, Recirculation – Muffler
	405-5909	1	DGFA, DGFB, DGFC	61	870-0504	2	Nut, Captive Floating (M6 x 1.0)
	405-8291-02	1	DGFS	62	406-0831	14	Hinge, Door
20	405-5916	2	Post, Corner – Housing	63	406-0972-01	7	Latch, Door
21	155-3238	3	Cover, Exhaust	64	818-0231-02	162	Rivet (3/16)
22	405-5952	1	Extension, Front	65	818-0237-01	105	Rivet (1/8)
23	405-5953	1	Extension, Rear	66	821-6007-02	102	Screw, Hex Head (M8 x 20)
24	405-5954	2	Baffle, Air	67	821-6006-01	2	Screw, Hex Head (M6 x 16)
25	405-8304	2	Retainer, Insulation	68	517-0322	4	Plug
26	405-5956	1	Duct, Support	69	517-0138-07	2	Plug
27	405-5957	5	Angle, Support	70	405-6923-03	2	Insulation
28	405-5954	2	Retainer, Insulation	71	405-6923-04	2	Insulation
29	405-5962	1	Baffle, Air – Discharge	72	405-6924	1	Insulation
30	405-8306	1	Retainer, Insulation	73	405-6925	2	Insulation
31	405-8307	3	Retainer, Insulation	74	405-6008	1	Adapter, Battery Tray
32	405-5963	1	Fill Neck – Radiator	75	405-5994	2	Retainer, Insulation
33	405-5966	1	Box, Muffler	76	405-5992	1	Panel, Center
34	405-5986	1	Cover, Exhaust Inlet	77	405-5993	1	Cover, Duct
35	405-9022-02	2	Bottom, Discharge	78	405-5917	2	Panel, End – Roof
36	405-5990	1	Cover, Air Discharge	79	526-0011	2	Washer, Flat
37	405-5991-01	2	Side, Discharge – RH	80	405-6109	1	Insulation
38	405-5991-02	2	Side, Discharge – LH	81	405-8312	1	Retainer, Insulation
39	405-5950	1	Extension, Side – RH	82	405-8314	1	Retainer, Insulation
				83	526-0451	4	Washer, Flat – Stainless Steel (M8)
				84	405-9023-02	2	Panel, Access

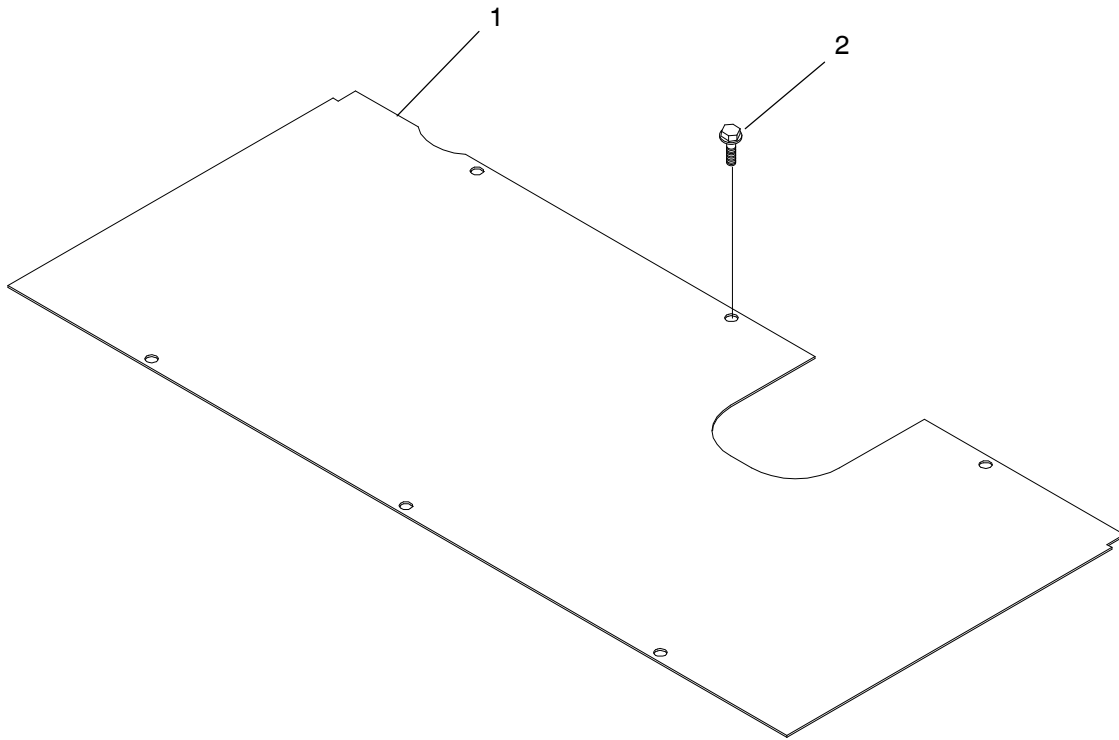
Skid Pan



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1.	403-4110	12	Clamp
2.	821-6002-03	42	Screw, SEMS – Hex Head (M6 x 1 x 16)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
3.	403-4215	2	Cover, Stub up
4.	403-4116	1	Cover, Stub up

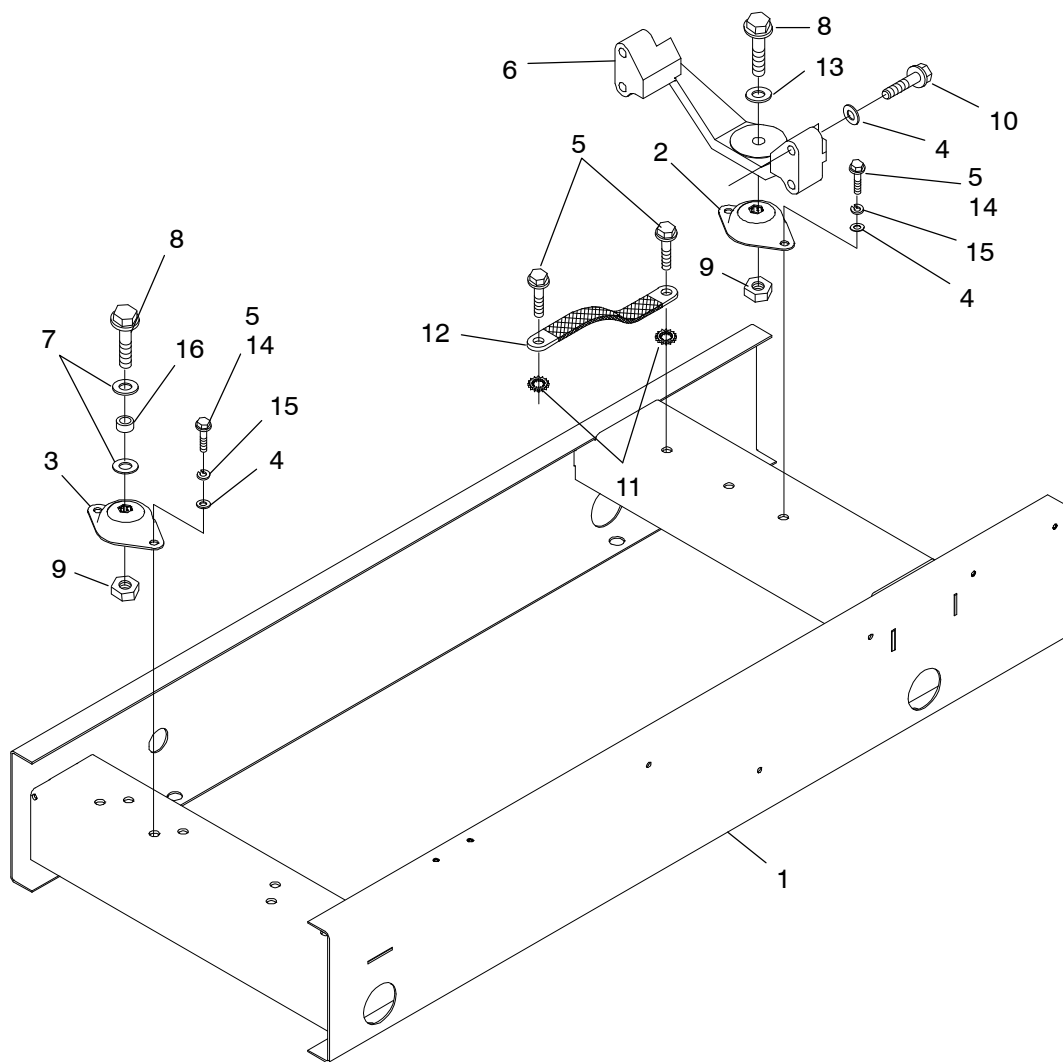
Sound Barrier



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	159-1482	1	Cover, Fuel Tank

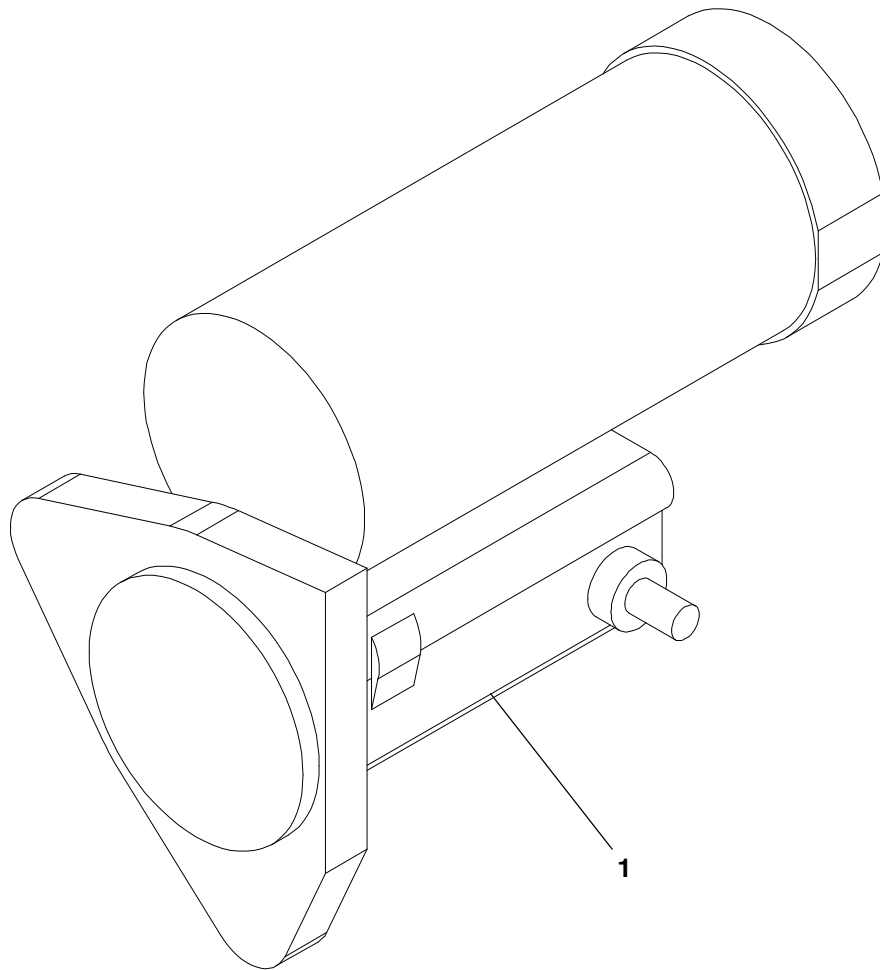
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
2	821-6003-02	6	Screw, SEMS – Hex Head (M8 x 1.25 x 20)

Skid



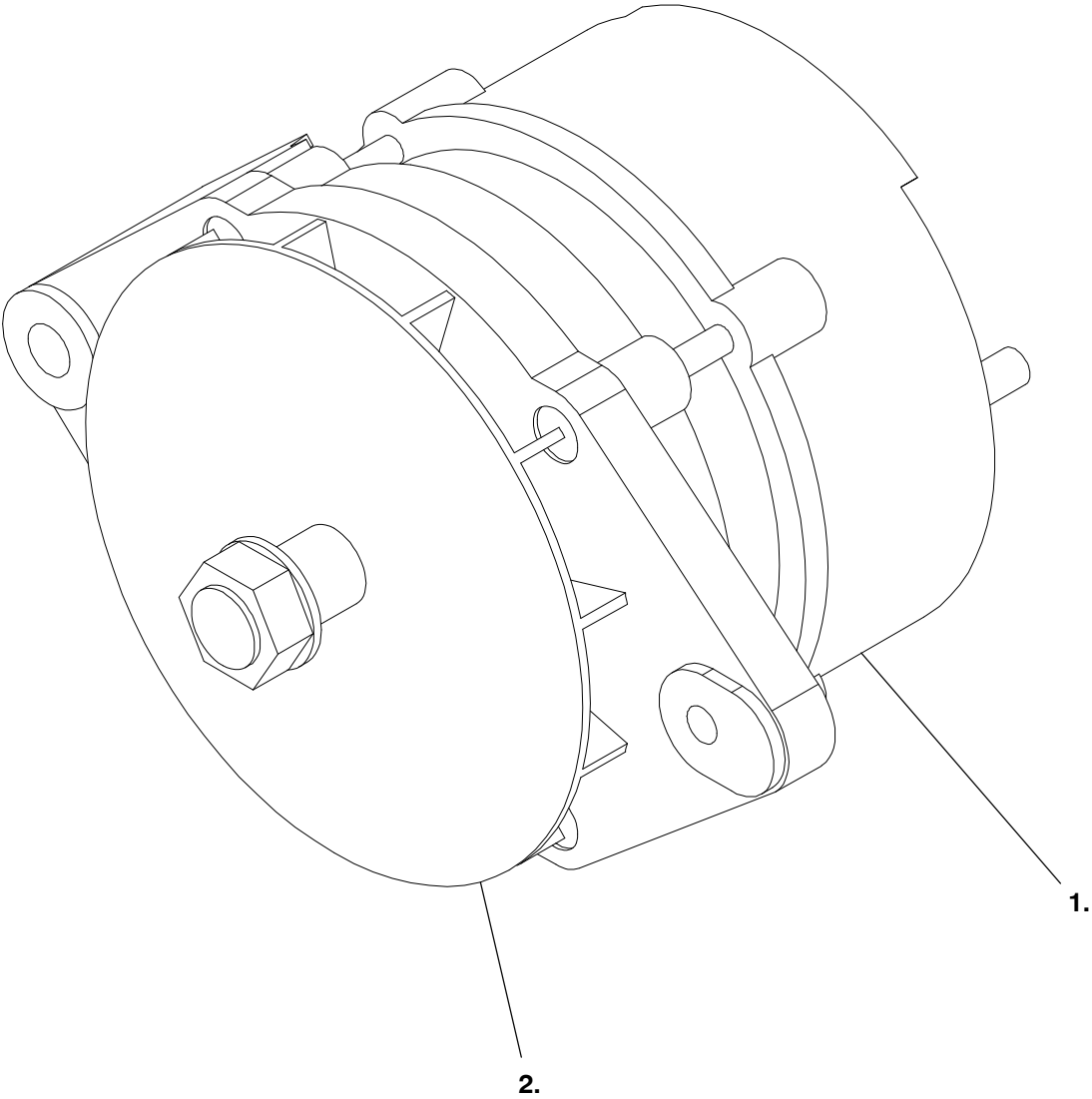
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Skid	8	800-0607	3	Screw, Cap – Hex Head (3/4–10 x 2) (Grade 8)
	403-4188-03	1	Basic (F177) (Illustrated)	9	862-0044	3	Nut, Hex (3/4–10)
	403-4154-04	1	Housing Compatible (F179)	10	800-2124	4	Screw, Cap – Hex Head (M12 x 1.75 x 90)
2	402-0779-05	1	Cushion, Vibration Isolating	11	856-0013	2	Washer, Lock – EIT (1/2)
3			Cushion, Vibration Isolating	12	337-0090	1	Strap, Ground
	402-0779-06	2	Standard Duty	13	526-0443	1	Washer, Flat – Hardened (3/4)
	402-0779-07	2	Severe Duty	14	800-2543-03	8	Screw, Cap – Hex Head – Severe Duty (M12 x 30)
4	526-0433	10	Washer, Hardened (M12)	16	517-0094	2	Plug, Plastic
5			Screw, Cap – Hex Head				
	800-2543-03	8	Severe Duty (M12 x 30)				
6	403-4218	1	Support, Engine				
7	526-0238-01	4	Washer, Flat (3/4)				

Starter



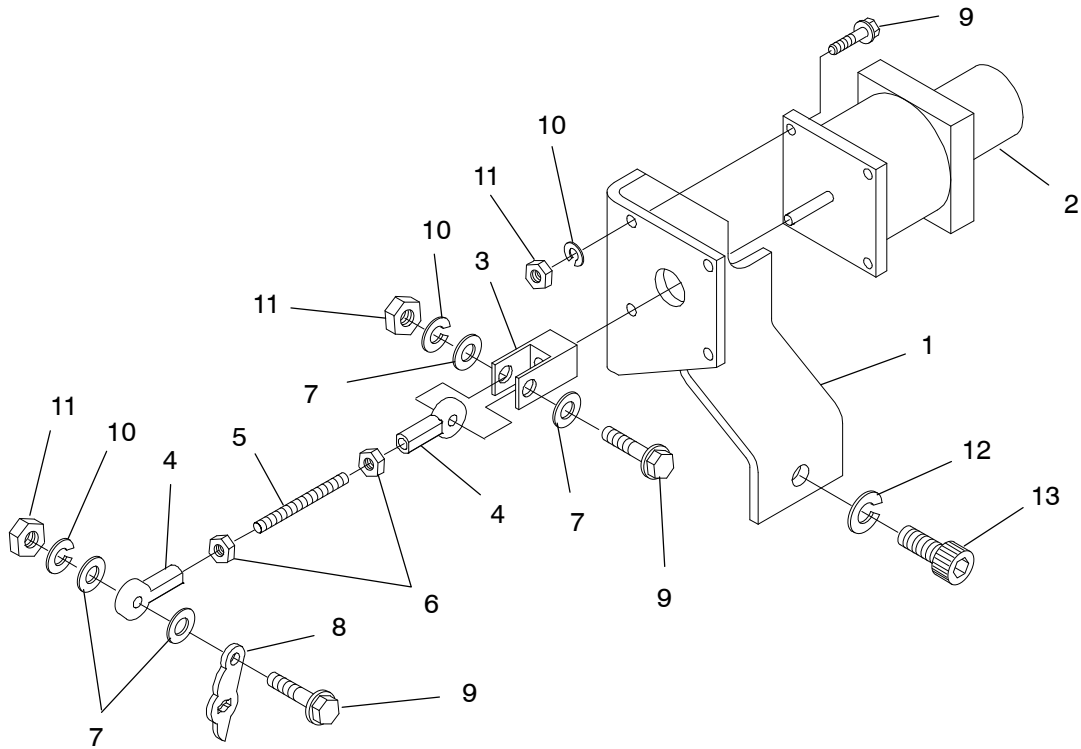
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	191-2347	1	Starter				

Alternator



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1.	191-2326-01	1	Alternator				
2.	191-2330	1	Fan, Alternator				

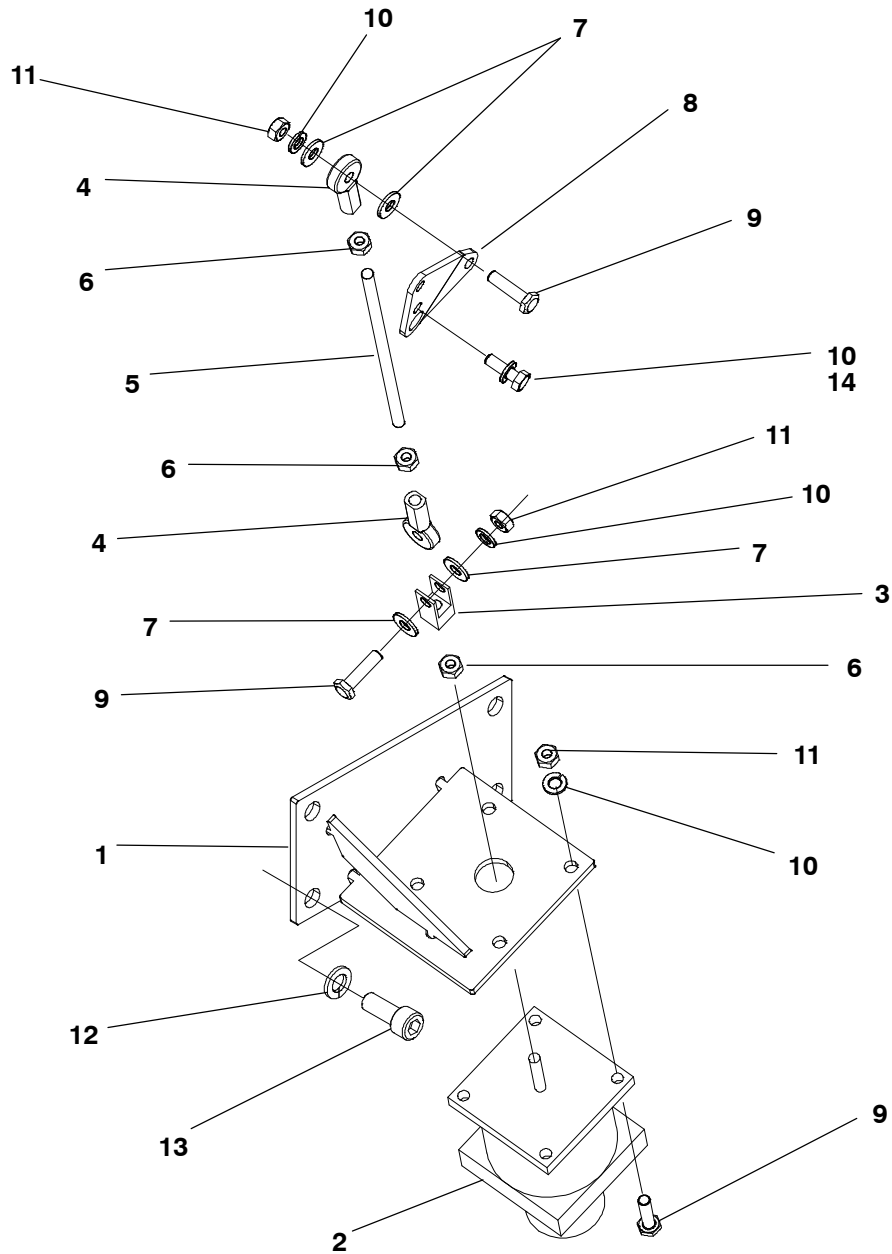
**Electronic Governor
DGFA, DGFB
Without MOH**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	150-2679	1	Bracket, Governor
2	151-0708-01	1	Actuator, Governor
3	150-2682	1	Clevis, Governor
4	150-2120	2	End, Rod
5	520-0939	1	Stud
6	868-0001	2	Nut, Hex (1/4-28)
7	526-0018	4	Washer, Flat (1/4)
8	150-2681	1	Lever, Stop - Governor

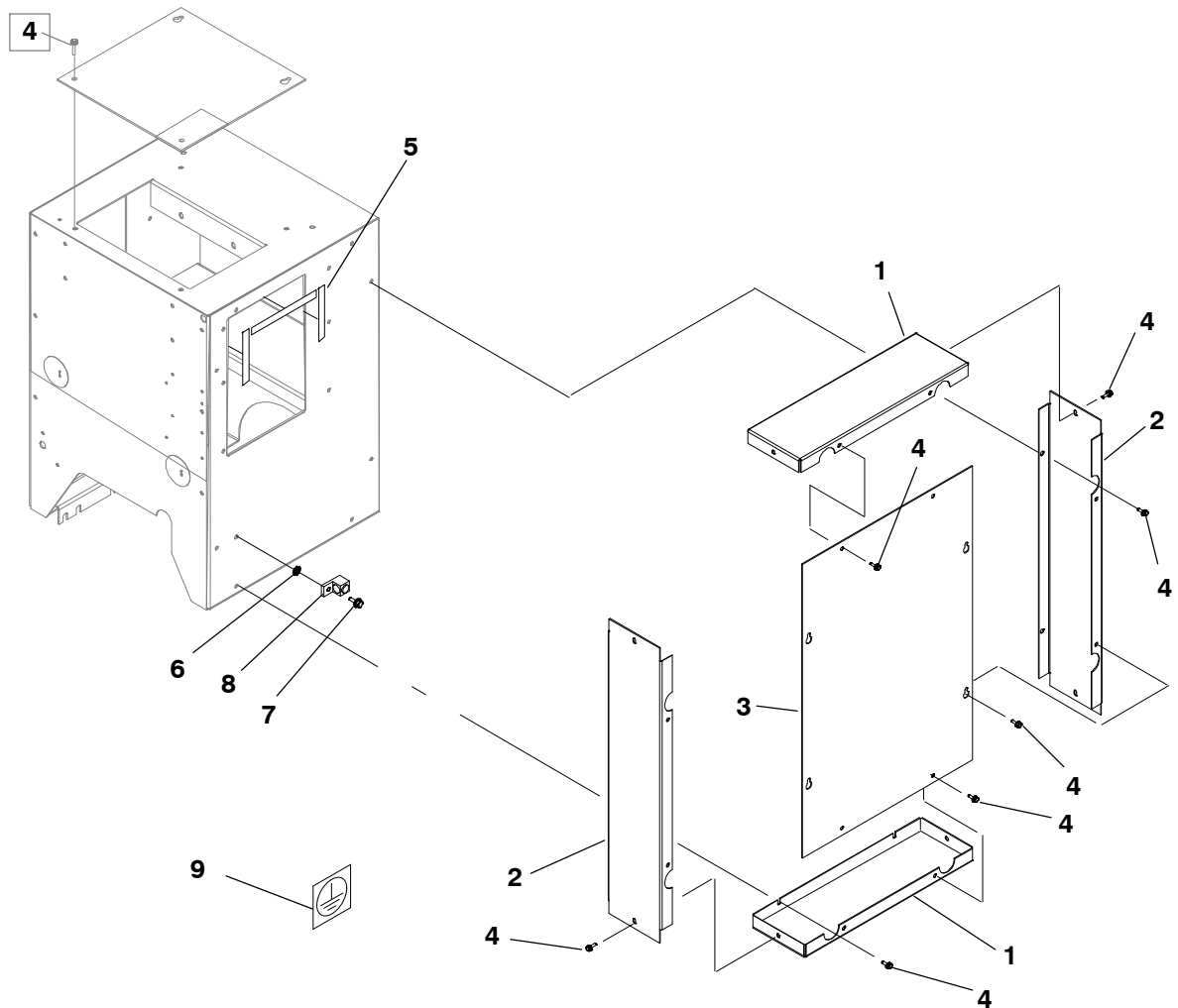
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
9	800-0007	6	Screw, Cap - Hex Head (1/4-20 x 1)
10	850-0040	6	Washer, Lock (1/4)
11	862-0001	6	Nut, Hex (1/4-20)
12	850-2010	2	Washer, Lock - Spring (M10)
13	802-2507	2	Screw, Cap - Socket Head (M10 x 1.5 x 25)

Electronic Governor DGFC, DGFS or DGFA, DGFB With MOH



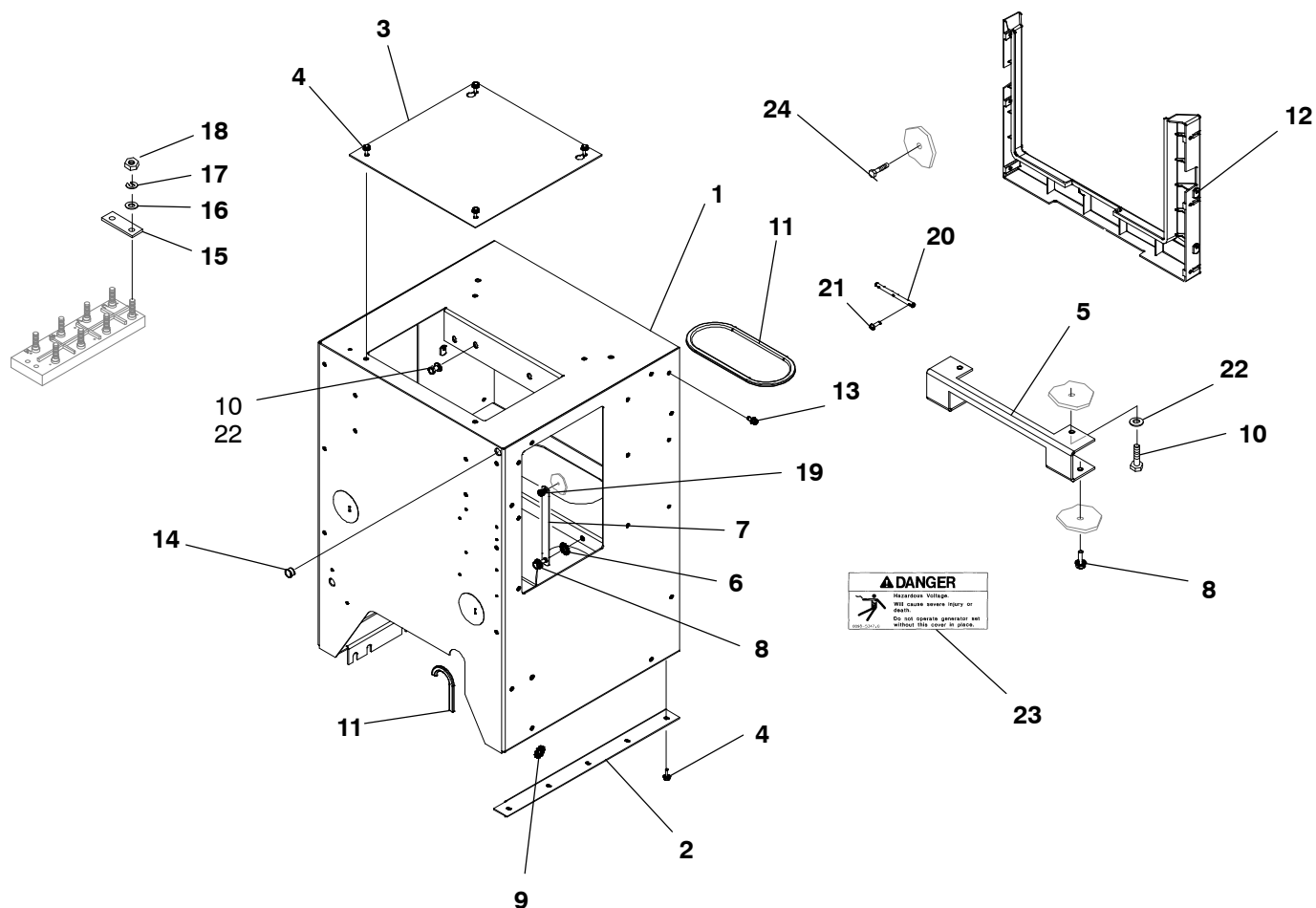
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	150-2794-02	1	Bracket, Governor	10	850-0040	8	Washer, Lock (1/4)
2	151-0708-01	1	Actuator, Governor	11	862-0001	6	Nut, Hex (1/4-20)
3	150-2682	1	Clevis, Governor	12	850-2010	4	Washer, Lock - Spring (M10)
4	150-2120	2	Rod, End	13	802-2507	4	Screw, Cap - Socket Head (M10 x 1.50 x 25)
5	150-2763-04	1	Rod, Threaded (1/4-28 x 5.75)	14	800-3017-02	2	Screw, Cap - Hex Head (M6 x 1.0 x 12)
6	868-0001	3	Nut, Hex (1/4-28)				
7	526-0018	4	Washer, Flat (1/4)				
8	150-2761-04	1	Lever, Governor Control				
9	800-0007	6	Screw, Cap - Hex Head (1/4-20 x 1.00)				

Entrance Box



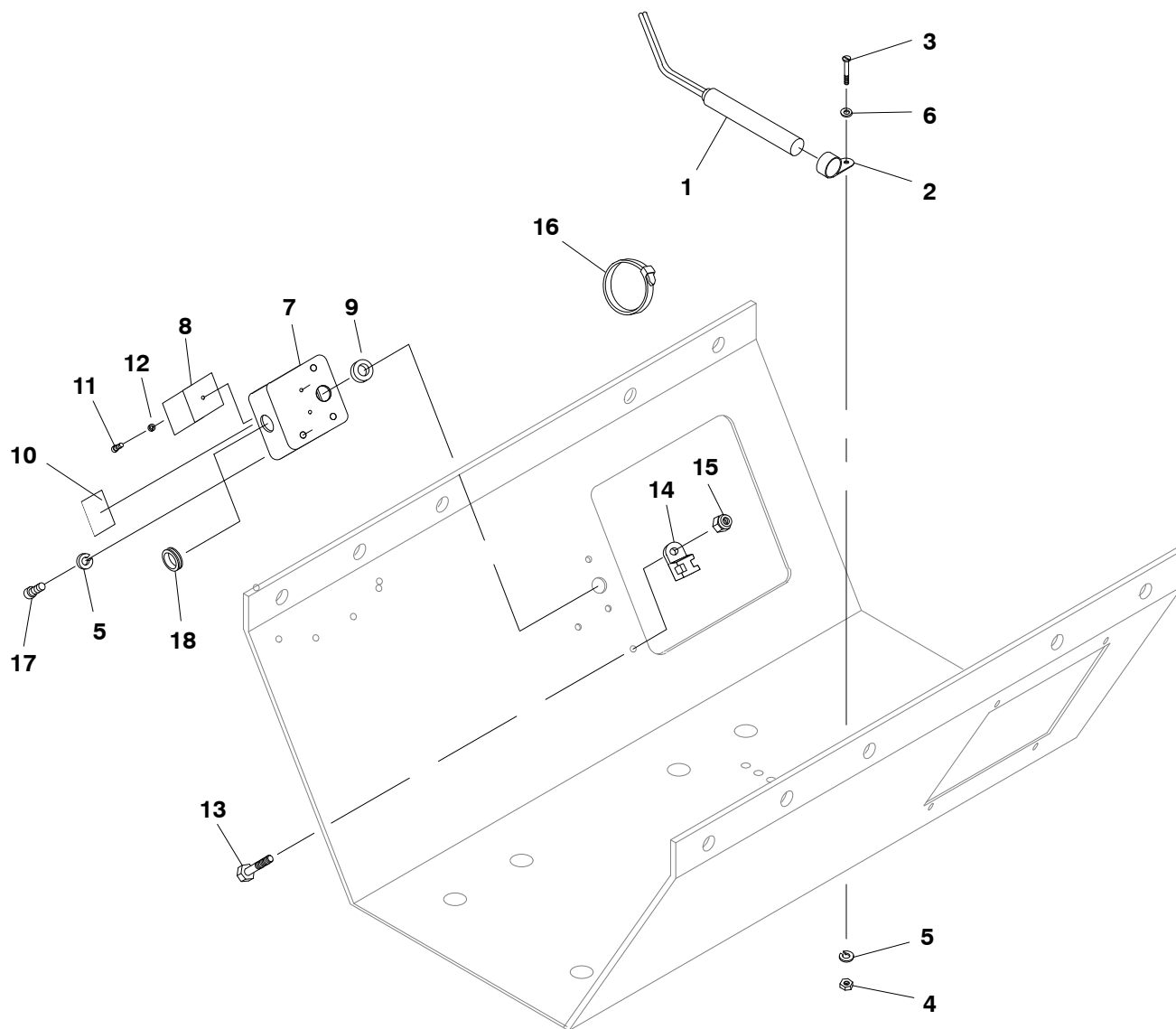
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3072	2	Panel, Box – Top and Bottom	6	856-0008	1	Washer, Lock – EIT (5/16")
2	319-2978	2	Panel, Box – Side	7	821-6003-02	1	Screw, Self-Locking – Hex Washer Head (M8 x 1.25 x 20mm)
3	319-2979-02	1	Cover, Entrance Box	8	332-1473	1	Lug, Solderless
4	821-6002-03	24	Screw, Self-Locking – Hex Washer Head (M6 x 1 x 16mm)	9	098-6537	1	Label, Ground
5	508-0239	–	Edging – Bulk (Order By The Foot – 2 Feet Required)				

Control Housing



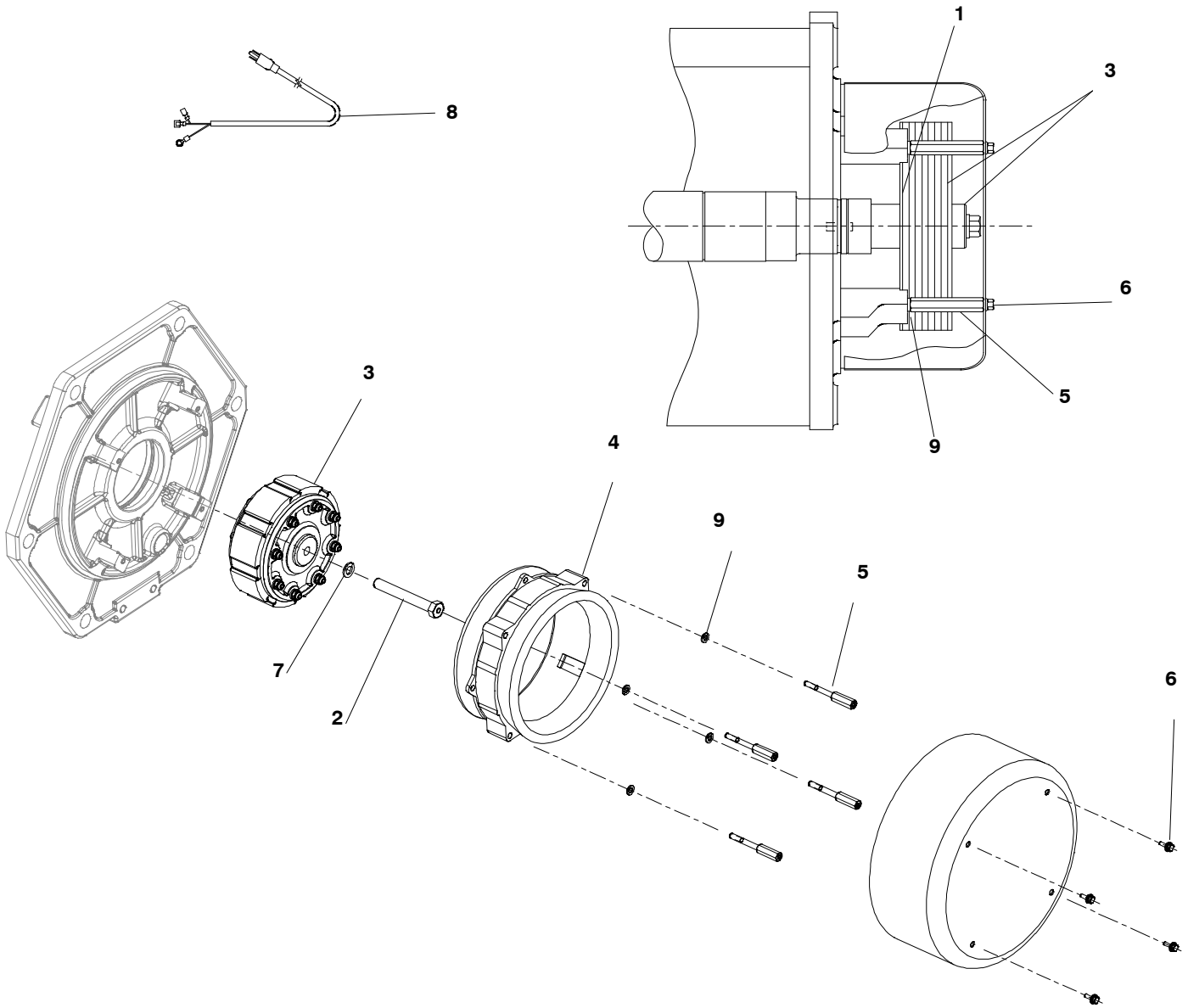
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3208	1	Panel, Housing – Control Sets With UCD22 Generator	9	856-0012	1	Washer, Lock – W/EIT UCD22 (7/16)
	319-2967	1	Sets With UC27 Generator		856-0013	1	UC27 (1/2)
2	319-3207	1	Bracket, Control Mounting – Sets 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
				13	815-0943-02	6	Screw, Hex Washer Head – Thread Forming (1/4-10 x .5)
	319-2996	2	Generator Sets With Circuit Breaker or Entrance Box	14	517-0135	1	Plug, Hole
	319-2996	1	Generator Sets With Two Circuit Breakers	15	332-2987	4	Link, Terminal
4			Screw, Hex Head (M6 x 16)	16	526-2120	8	Washer, Flat (M10)
	821-6002-03	4	Sets With UC27 Generator	17	850-2010	8	Washer, Lock (M10)
	821-6002-03	9	Sets With UCD22 Generator	18	870-2056	8	Nut, Hex (M10 x 1.5)
5	319-4456-02	1	Bracket, Control	19	819-1144	1	Screw, Pan Head – Cross Recessed (M6 x 8)
6	856-0010	1	Washer, Lock – W/EIT (3/8)	20	332-3740	1	Clamp, Strain
7	337-0049	1	Strap, Bond	21	814-2150	3	Screw, Flat Head – Cross Recessed (M3 x 0.5 x 10)
8	821-6003-01	3	Screw, Hex Head (M8 x 1.25 x 16)	22	526-2100	4	Washer, Flat (M8)
				23	098-5347-01	1	Label, Danger
				24	821-6001-02	2	Screw, Hex Head

Generator Heater



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Cartridge, Heater	10	098-7281	1	Label, Warning – Heater
	333-0438-07	1	110-125 Volt	11	822-3047	1	Screw, Pan Head (M3 x 20)
	333-0438-08	1	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

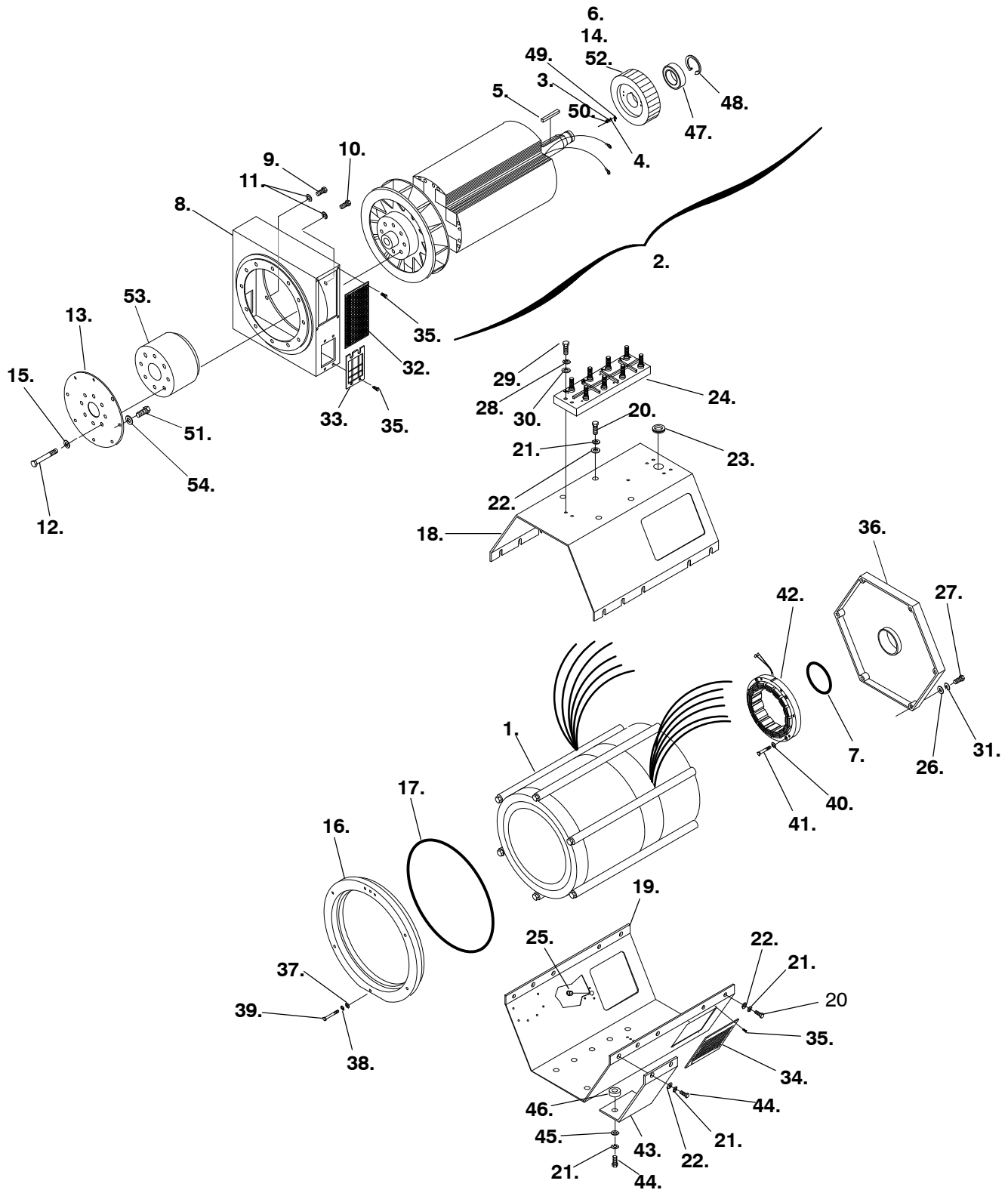


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	775-0049	1	Pin, Parallel
2	815-0761-01	1	Bolt, Mounting - PMG
3	A029M562	1	Rotor, PMG
4	A029M560	1	Stator, PMG
5	232-3462-02	4	Spacer, Cover

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
6	821-6001-01	4	Screw, Hex Head (M5 x 10)
7	850-2010	1	Washer, Lock (M10)
8	338-3011	1	Harness, PMG
9	850-2006	4	Washer, Lock (M6)

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Generator

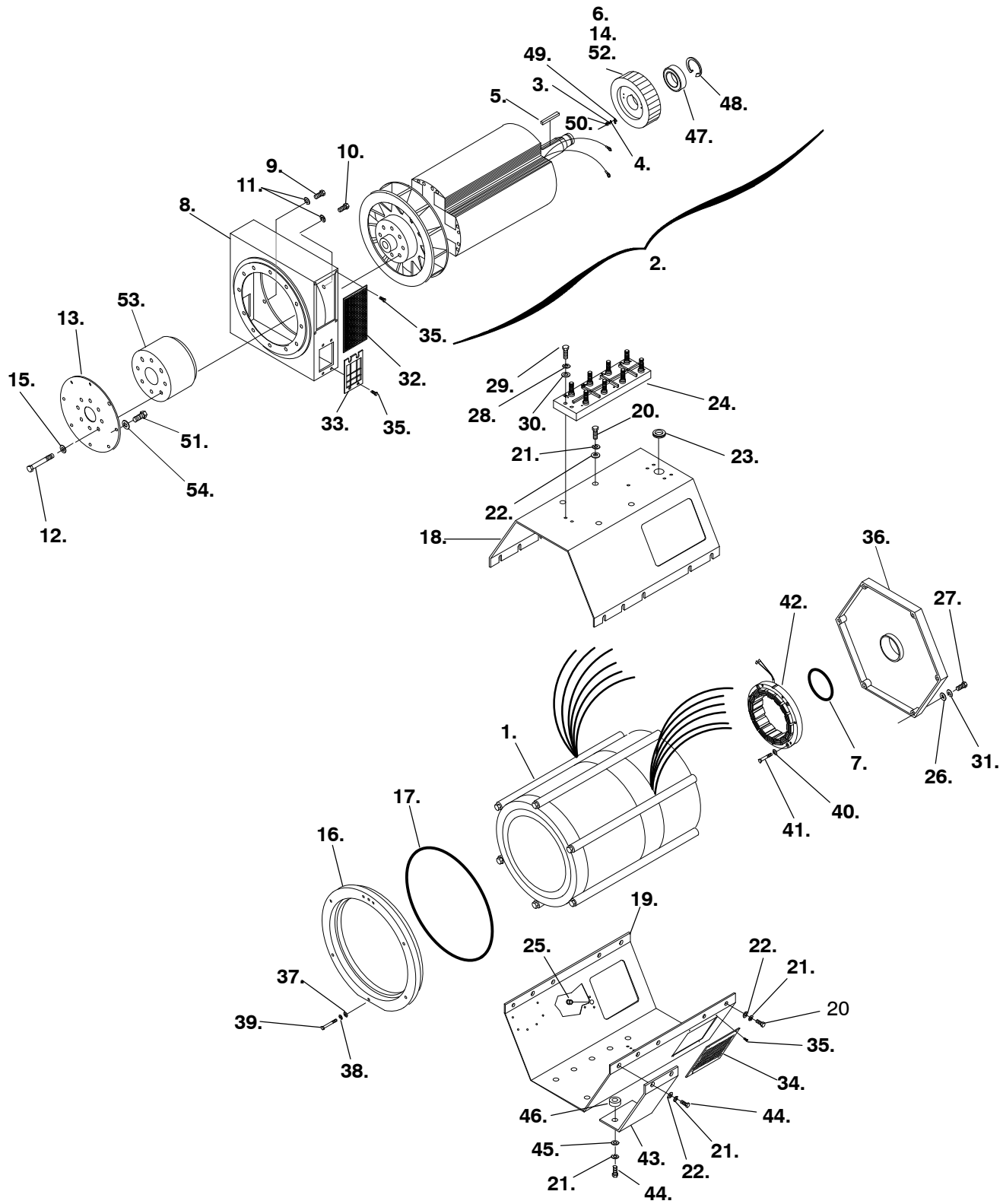


Generator

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1.	200-3032-18	1	Generator, Assembly	220-4448-23	1		DGFA
	200-3032-24	1	Generator, Assembly	220-4448-24	1		DGFB
	200-3032-36	1	Generator, Assembly	220-4448-40	1		DGFC, DGFS
	200-3032-75	1	Generator, Assembly				60 Hz, 12 Lead, Upper Broad
	200-3032-76	1	Generator, Assembly				Range Reconnectible, 125C
	200-3032-78	1	Generator, Assembly	220-4448-17	1		DGFA
			Stator	220-4448-18	1		DGFB
			60 Hz, 12 Lead, Upper Broad	220-4448-39	1		DGFC, DGFS
			Range Reconnectible, 150C				60 Hz, 4 Lead, 1 Phase, 105C
	220-4448-16	1	DGFA	220-4448-38	1		DGFA
	220-4448-18	1	DGFB, DGFC, DGFS				60 Hz, 3 Phase, 347/600 Volt,
			60 Hz, 3 Phase, 347/600 Volt,				105C
			150C	220-4448-34	1		DGFA
	220-4448-33	1	DGFA	220-4448-36	1		DGFB
	220-4448-35	1	DGFB	220-4448-42	1		DGFC, DGFS
	220-4448-36	1	DGFC, DGFS				60 Hz, 12 Lead, Lower Broad
			60 Hz, 12 Lead, Lower Broad				Range Reconnectible, 105C
			Range Reconnectible, 150C	220-4448-23	1		DGFA
	220-4448-23	1	DGFA	220-4448-24	1		DGFB
	220-4448-24	1	DGFB, DGFC, DGFS				50 Hz, 12 Lead, Broad
			60 Hz, 12 Lead, Upper Broad				Range Reconnectible, 150C
			Range Reconnectible, 125C	220-4448-17	1		DGFA
	220-4448-17	1	DGFA	220-4448-18	1		DGFB
	220-4448-18	1	DGFB	220-4448-39	1		DGFC, DGFS
	220-4448-39	1	DGFC, DGFS				50 Hz, 12 Lead, Upper Broad
			60 Hz, 12 Lead, Broad Range				Range Reconnectible, 125C
			Reconnectible, Full 1 Phase,	220-4448-17	1		DGFA
			125C	220-4448-18	1		DGFB
	220-4448-39	1	DGFA	220-4448-39	1		DGFC, DGFS
			60 Hz, 4 Lead, 1 Phase, 125C				50 Hz, 12 Lead, Broad Range
	220-4448-11	1	DGFA				Reconnectible, Full 1 Phase,
	220-4448-38	1	DGFB				125C
			60 Hz, 3 Phase, 347/600 Volt,	220-4448-39	1		DGFA
			125C				50 Hz, 12 Lead, Broad
	220-4448-34	1	DGFA				Range Reconnectible, 105C
	220-4448-35	1	DGFB	220-4448-39	1		DGFA, DGFB, DGFS
	220-4448-36	1	DGFC, DGFS				
			60 Hz, 12 Lead, Lower Broad				
			Range Reconnectible, 125C				

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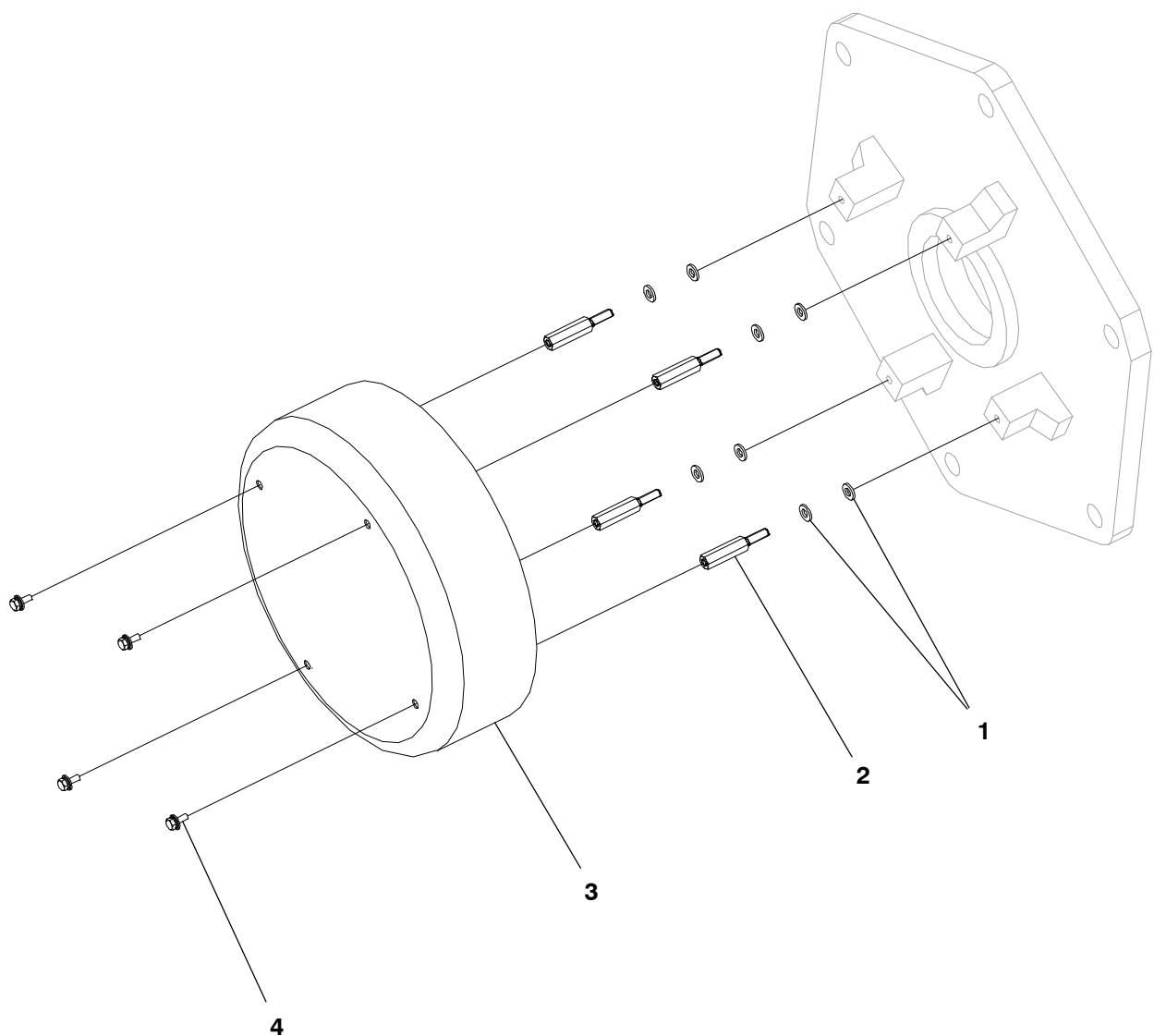
Generator



Generator

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
Continued...							
2.			Rotor, Wound		232-3820-05	1	UCD27
	201-3474-05	1	UCD22	20.	800-3017-54	10	Screw, Cap – Hex Head (M12 x 30)
	201-3497-01	1	UC27 Core Length 165	21.	850-0114-56	10	Washer, Lock (M12)
	201-3497-02	1	UC27 Core Length 190	22.	526-0399-64	10	Washer, Flat (M12)
	201-3497-03	1	UC27 Core Length 230	23.	508-1057	1	Grommet
	201-3497-04	1	UC27 Core Length 285	24.	232-3421	1	Block, Terminal
	201-3497-05	1	UC27 Core Length 335	25.	517-0135	1	Plug, Hole
	201-3497-06	1	UC27 Core Length 375	26.	526-0077	6	Washer (M10)
	201-3561-07	1	UCD27	27.	800-3017-38	6	Screw, Cap – Hex Head (M10 x 30)
3.	850-2005	2	Washer, Lock (M5)	28.	850-2008	3	Washer, Lock (M8)
4.	526-2060	2	Washer, Flat (M5)	29.	718-1039	3	Screw, Cap – Hex Head (M8 x 1.25 x .35)
5.	515-0298-03	1	Key, Exciter	30.	526-2100	3	Washer, Flat (M8)
6.			Rotor, Wound – Exciter	31.	850-0114-55	6	Washer, Lock (M10)
	201-3434-02	1	UCD22	32.			Guard, Fan
	201-3434-03	1	UC27, UCD27		234-0980	2	UCD22
7.	509-0266-02	1	O-Ring		234-0867	2	UC27
8.			Adapter, Generator		234-0983	2	UCD27
	231-0370	1	UCD22	33.			Cover, Adapter
	231-0317	1	UC27 SAE2		234-0981	2	UCD22
	231-0325	1	UC27 SAE3		234-0984	2	UCD27
	231-0373	1	UCD27	34.	234-0879	2	Screen, Air Inlet
9.	800-2090	6	Screw, Cap – Hex Head (M10 x 45)	35.	821-6001-02	24	Screw, SEMS (M5 x 12)
10.	800-2088	4	Screw, Cap – Hex Head (M10 x 35)	36.	211-0423	1	Bell, End
11.	850-2010	10	Washer, Lock (M10)	37.	526-0423	6	Washer (M10)
12.	720-1119	8	Screw, Cap – Hex Head (M16 x 60)	38.	850-0114-55	6	Washer, Lock (M10)
13.	232-3699	3	Disc, Drive – Generator	39.	800-3017-38	6	Screw, Cap – Hex Head (M10 x 30)
14.	357-0091	1	Rectifier – Forward	40.	850-2006	4	Washer, Lock (M6)
15.	526-0259	8	Washer, Flat	41.	800-2046	4	Screw, Cap – Hex Head (M6)
16.			Adapter, Stator	42.			Stator, Wound – Exciter
	231-0319	1	UC27		220-4293-05	1	UCD22, UC27 Core Length 40
	231-0374	1	UCD27		220-4293-06	1	UC27, UCD27 Core Length 60
17.	508-0139	A/R	Seal Edging – Bulk (786mm req.)	43.			Bracket, Mounting – Generator
18.			Cover, Stator – Top		232-3940	2	UCD22
	234-0936-03	1	UCD22		232-3925	2	UC27
	234-0937-01	1	UC27 Stack Length 165	44.	800-3017-56	8	Screw, Cap – Hex Head (M12)
	234-0937-02	1	UC27 Stack Length 190	45.	526-0399-64	8	Washer, Flat (M12)
	234-0937-03	1	UC27 Stack Length 230	46.	232-3730-04	4	Spacer, Mounting Foot
	234-0937-04	1	UC27 Stack Length 285	47.	510-0164	1	Bearing, Ball
	234-0937-05	1	UC27 Stack Length 335	48.	518-0083	1	Ring, Split – External
	234-0937-05	1	UCD27	49.	304-0807	1	Varistor
19.			Cover, Stator – Bottom	50.	860-2006	2	Nut, Hex (M5 x .8)
	232-3819-03	1	UCD22	51.	805-0015	8	Bolt, Place (3/8-16 x .75)
	232-3820-01	1	UC27 Stack Length 165	52.	357-0092	1	Rectifier – Reverse
	232-3820-02	1	UC27 Stack Length 190	53.	232-3695	1	Hub, Drive – Generator (UC27 Generator)
	232-3820-03	1	UC27 Stack Length 230	54.	526-0174	8	Washer, Flat (3/8)
	232-3820-04	1	UC27 Stack Length 285				
	232-3820-05	1	UC27 Stack Length 335				

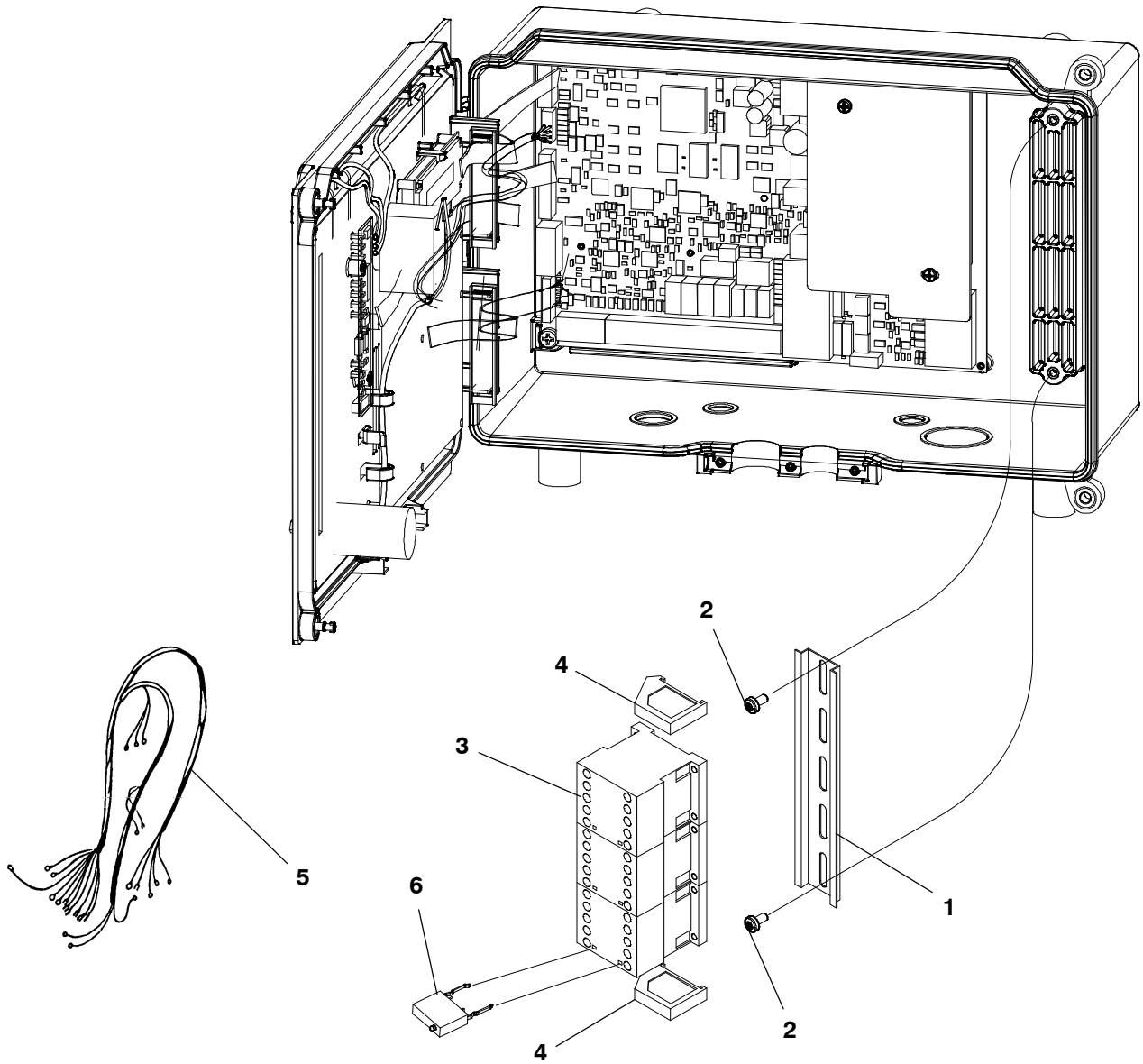
End Bell



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	526-2080	8	Washer, Flat (M6)
2	232-3462-01	4	Spacer, Cover
3	234-0875-01	1	Cover, End Bell

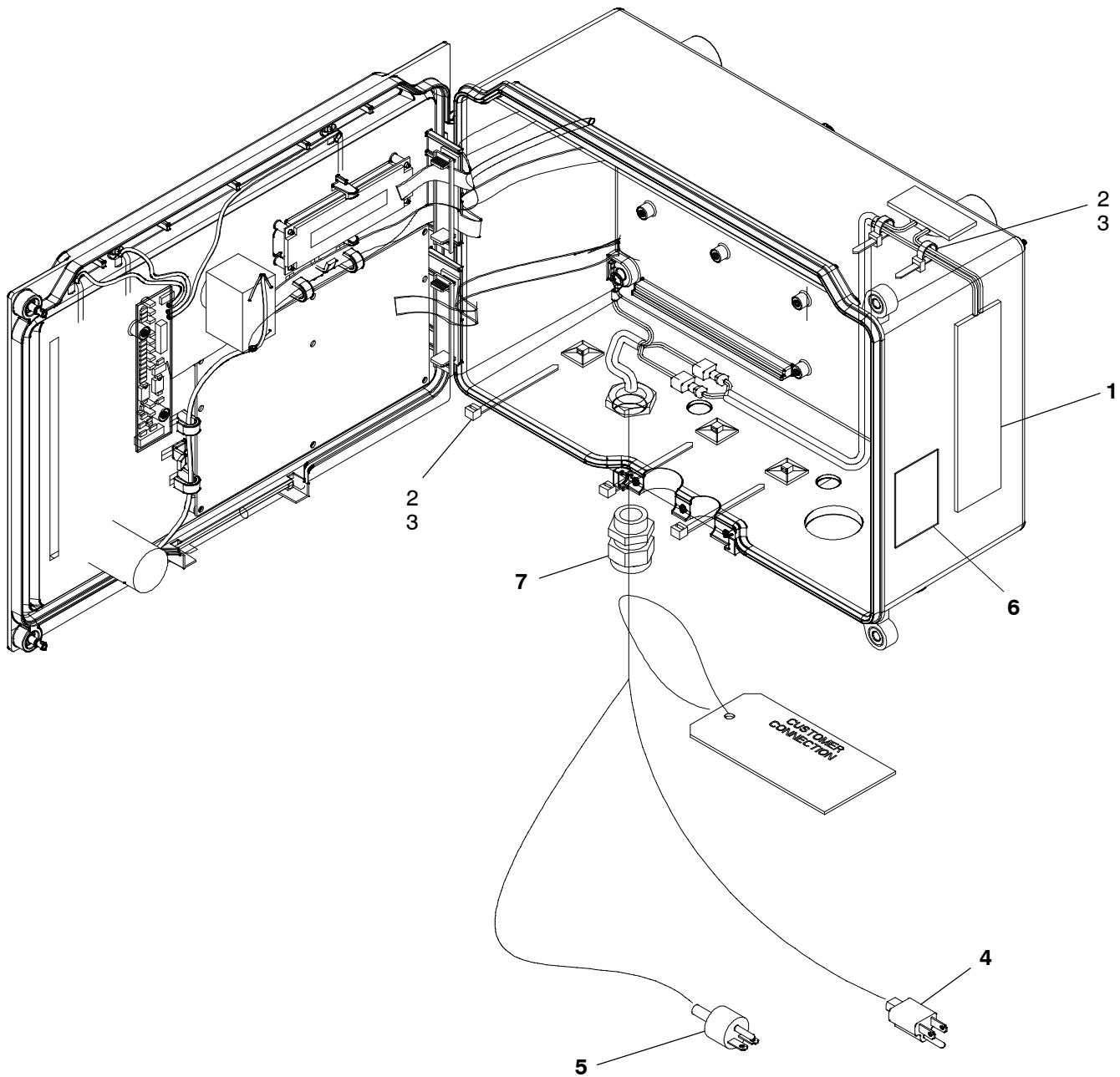
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	821-6001-01	4	Screw, Hex Head (M5 x 0.8 x 10)

Control Relay



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-3842-01	1	Rail, Terminal Block	4	332-2878	2	Bracket, End - Terminal
2	819-1154	2	Screw, Pan Head - Cross Recessed (M5)	5	338-4438	1	Harness, Relay
3	307-2873	3	Relay, Control - 12V (K10, K11, K12)	6	305-1009	3	Suppressor, Voltage

Control Heater

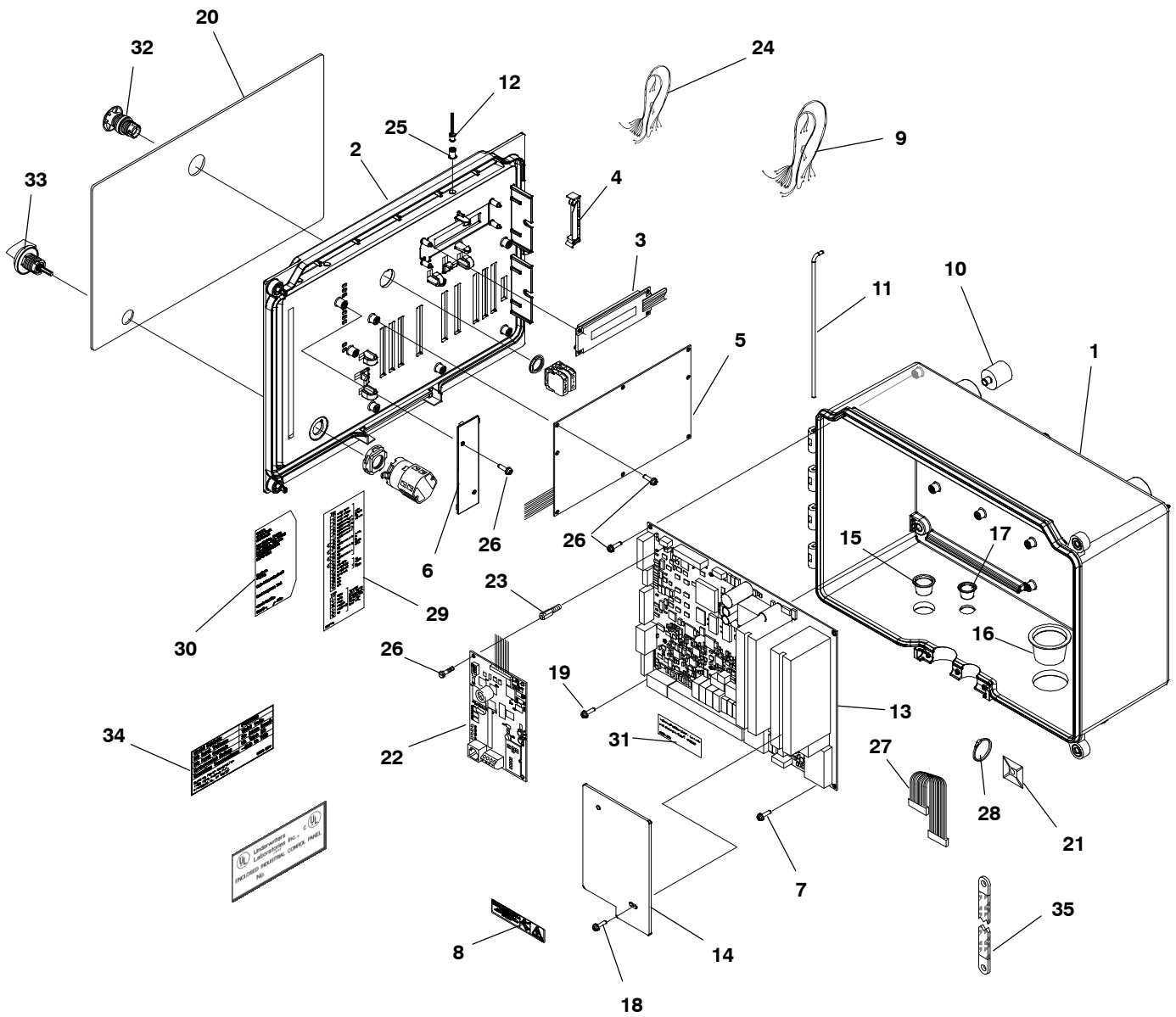


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	333-0661-01	1	Heater, Control 120V
	333-0661-02	1	240V
2	332-2420	3	Mount, Cable Tie
3	332-0942	3	Tie, Cable
4	335-0173	1	Cable, Control Heater – 120V

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
5	335-0173-01	1	Cable, Control Heater – 240V
6	098-6195	1	Label, Caution
7	323-2003-02	1	Strain Relief

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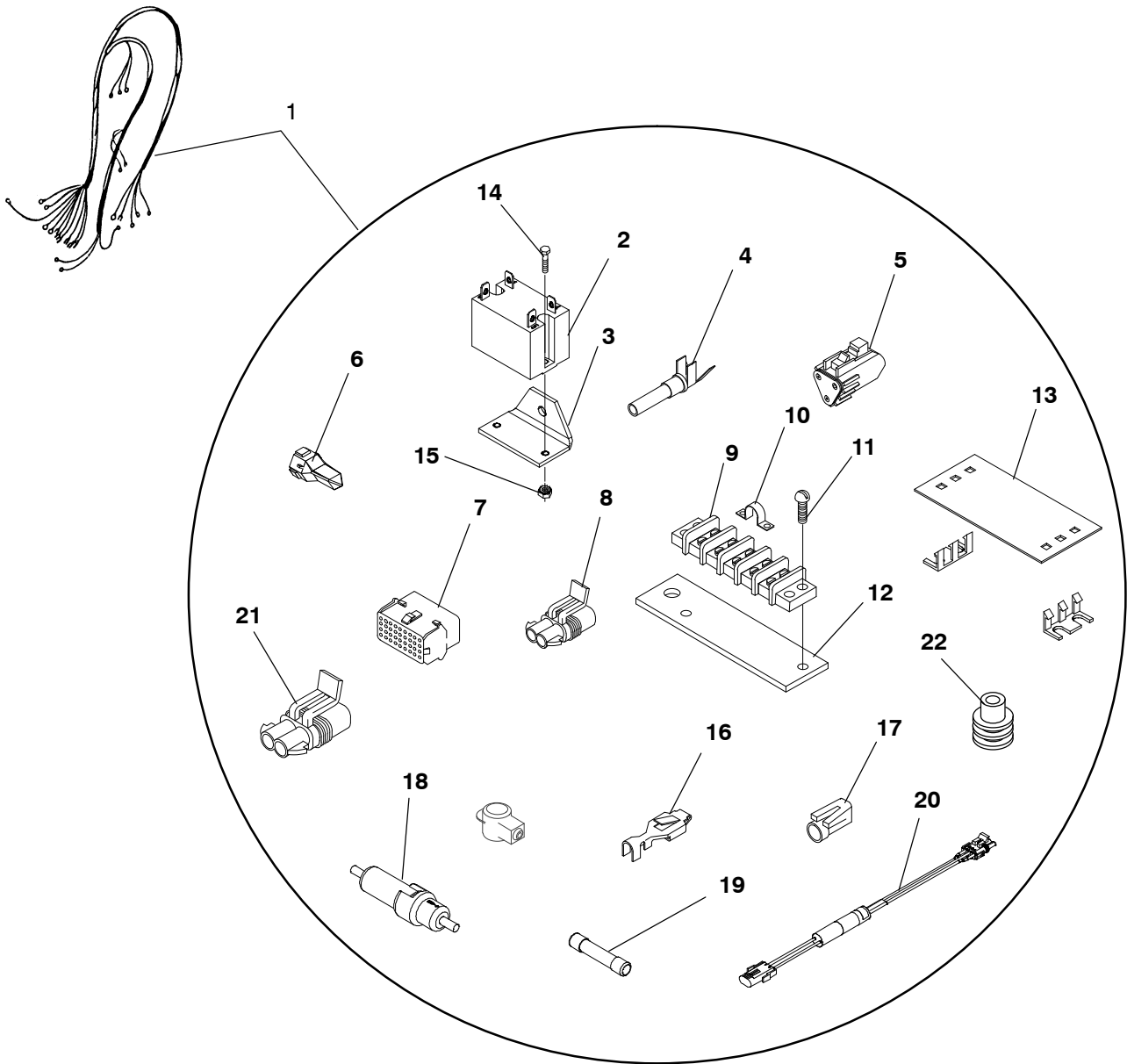
Control



Control

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-4487	1	Box, Control	19	819-1144	2	Screw, Pan Head – Cross Recessed (M6 x 8)
2	319-4488	1	Door Control	20			Panel, Membrane
3	300-5467	1	Display, Digital		300-5446	1	With Bargraph
4	332-3896	4	Clamp, Cable		300-5447	1	Without Bargraph
5	300-5180	1	Board, Printed Circuit – Bargraph	21	332-2420	2	Mount, Cable Tie
6	300-5383	1	Board, Printed Circuit – LED	22	541-0770	1	Board, Printed Circuit – NCM
7	819-1137-02	4	Screw, Pan Head – Cross Recessed (M3 x 8)	23	870-2213-02	4	Standoff, Hex Threaded – With NCM
8	098-7904	2	Label, Danger	24	338-3994	1	Harness, Panel Light
9	338-3991	1	Harness, Control – Door	25	322-0488	3	Lens, LED
10	402-0764-01	4	Mount, Isolator	26			Screw, Pan Head – Cross Recessed (M3 x 6)
11	406-0845	1	Pin, Hinge		819-1137-01	9	Without Bargraph
12	322-0491	3	Lamp, LED		819-1137-01	15	With Bargraph
13	327-1379-01	1	Board, Printed Circuit – Base (Includes Fuses)	27	335-0189	1	Cable, Ribbon
	321-0321-01	1	2A	28	332-0942	3	Tie, Cable
	321-0321-04	1	5A	29	098-7918	1	Label, Information
	321-0321-06	1	10A	30	098-7961-01	1	Label, Information – Panel Insert
14	319-4497	1	Guard, Electrical	31	098-7989	1	Label, Instruction – Torque
15	517-0356	1	Plug, Hole (Fits 22.5mm DIA. Hole)	32	308-0999	1	Switch, Emergency Stop
16	517-0357	1	Plug, Hole (Fits 38mm DIA. Hole)	33	308-1085	1	Switch, Selector
17	517-0355	2	Plug, Hole (Fits 16mm DIA. Hole)	34	098-8057	1	Label, Information – Rating
18	815-0792-02	2	Screw, Machine – Pan Head (M4 x 0.7 x 8)	35	337-0049	1	Strap, Bond

Engine Wiring Harness



Engine Wiring Harness

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	541-1198	1	Kit, Shut Off (Replaces 338-3794 wiring Harness)	11	815-0538	2	*#^ Screw, Cross Recessed – Pan Head – W/ET (#8-32 x .50)
1			Harness, Wiring – Engine to Control	12	319-2006-05	1	*#^ Bracket, Terminal Mounting
			DGFA, DGFB, DGFC	13	332-3792-01	1	*#^ Cover, Terminal Block (Includes Spring Clips)
	338-4231	1	Tier II (Includes Parts Marked *)	14	812-0079	4	*#^ Screw (#8-32 x .5)
	338-4227	1	Non-Tier II (Includes Parts Marked #)	15	870-0221	4	*#^ Nut, Hex – W/ET (#8-32)
	338-4506	1	DGFS (Includes Parts Marked ^)	16	323-1667	A/R	*#^ Socket, Terminal
2	307-2968-03	2	*#^ Relay, Power	17	323-1666	A/R	*#^ Connector, Socket
3	307-2982-02	2	*#^ Bracket, Relay	18	321-0371	1	*#^ Holder, Fuse
4	323-1492	3	*# Socket, Contact	19	321-0340	1	*#^ Fuse – 15 Amp
5	323-1493	1	*# Connector, Plug	20	338-3794-01	1	* Module, Timer (12V)
6	323-1503	1	*# Wedge, Plug	21	323-1637	1	* Connector, Socket
7	323-1525	1	*#^ Connector – 36 Pin	22	323-1576	2	* Seal, Cable
8	323-1755	2	*#^ Connector, Socket				
9	332-0604	1	*#^ Block, Terminal				
10	332-1043	4	*#^ Jumper				

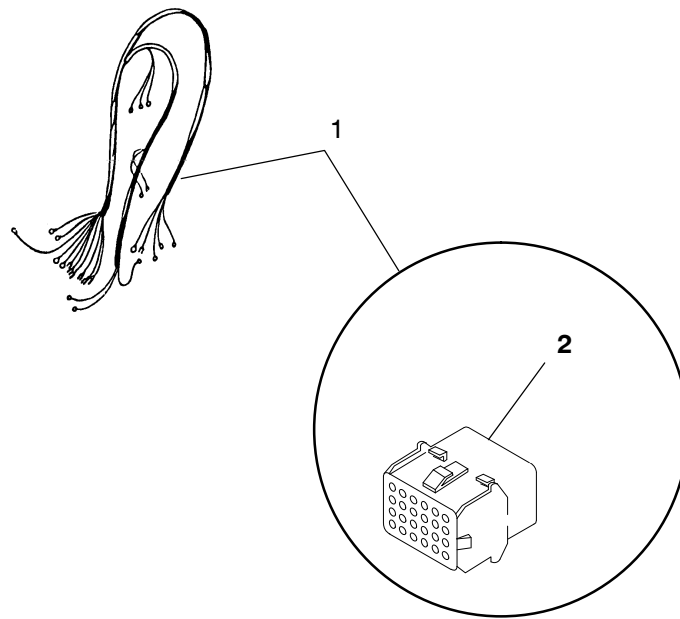
* – Parts Included in 338-4231 Wiring Harness

– Parts Included in 338-4227 Wiring Harness

^ – Parts Included in 338-4506 Wiring Harness

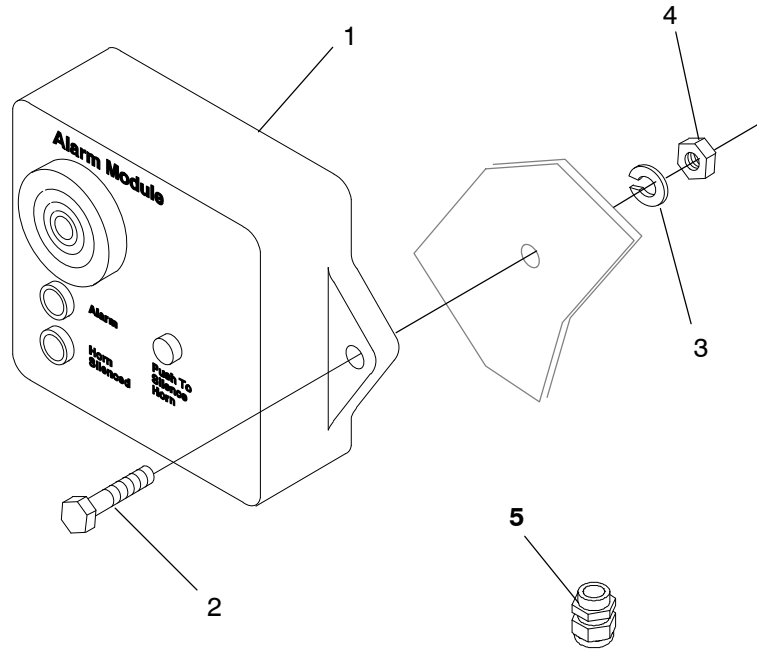
+ – 338-3794 is replaced by Kit 541-1198 Only

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				

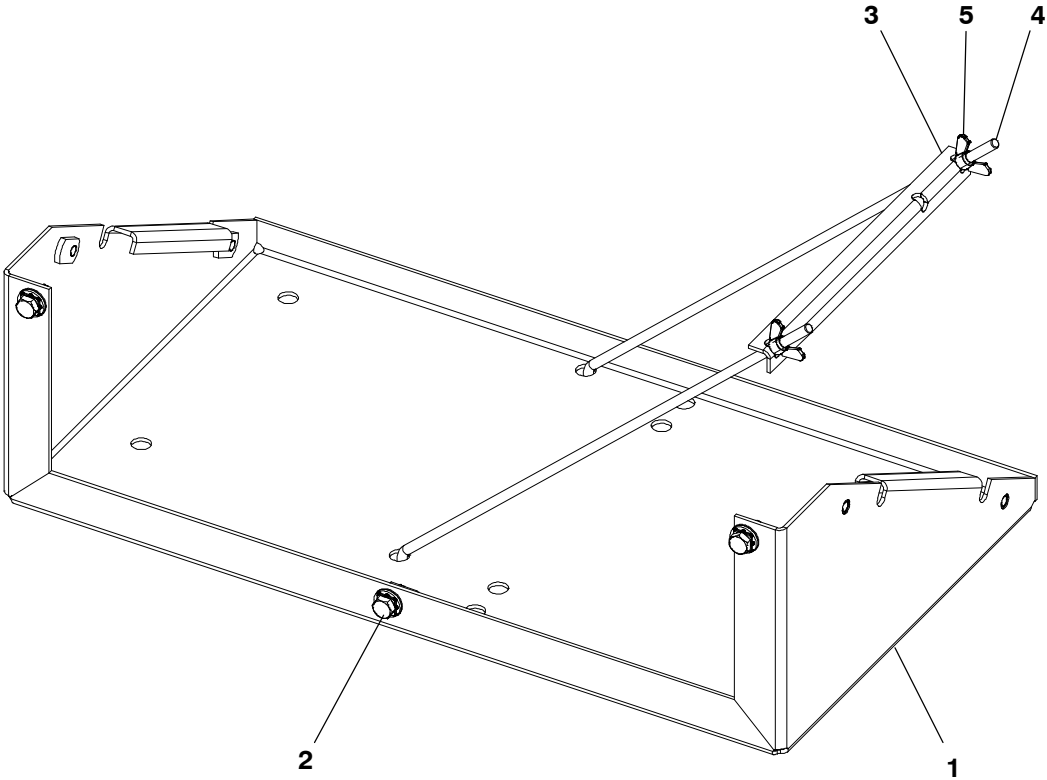
Alarm Module



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-3998-02	1	Module, Alarm (12V)
2	800-0006	2	Screw, Cap – Hex Head (1/4–20 x 7/8)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
3	850-0040	2	Washer, Lock (1/4)
4	862-0001	2	Nut, Hex (1/4–20)
5	323-2003-01	1	Strain Relief

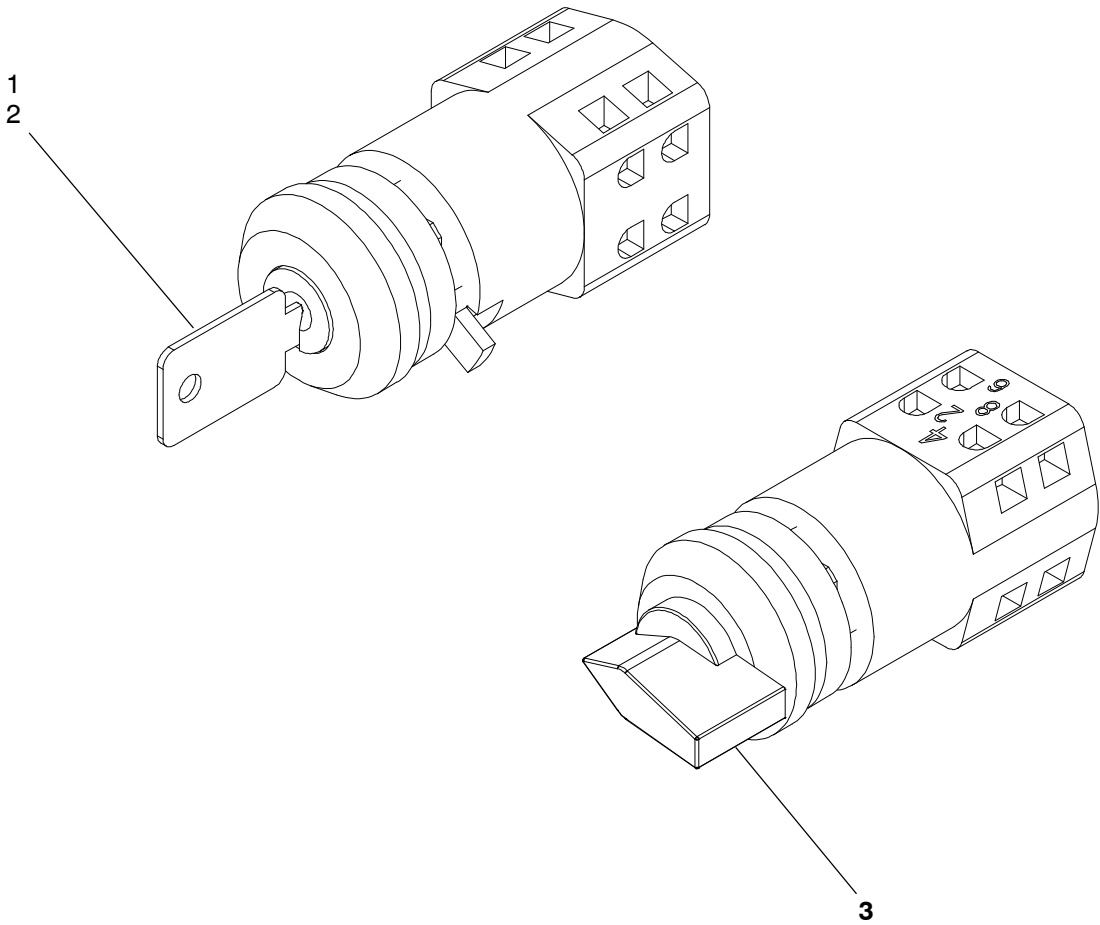
Battery Tray



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	403-4522-02	1	Tray, Battery
2	821-6007-02	3	Screw, Hex Head (M8 x 20)
3	416-1033	1	Hold Down, Battery

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	416-0993-02	2	Rod, Hold Down – Battery
5	865-0030	2	Nut, Wing (M6)

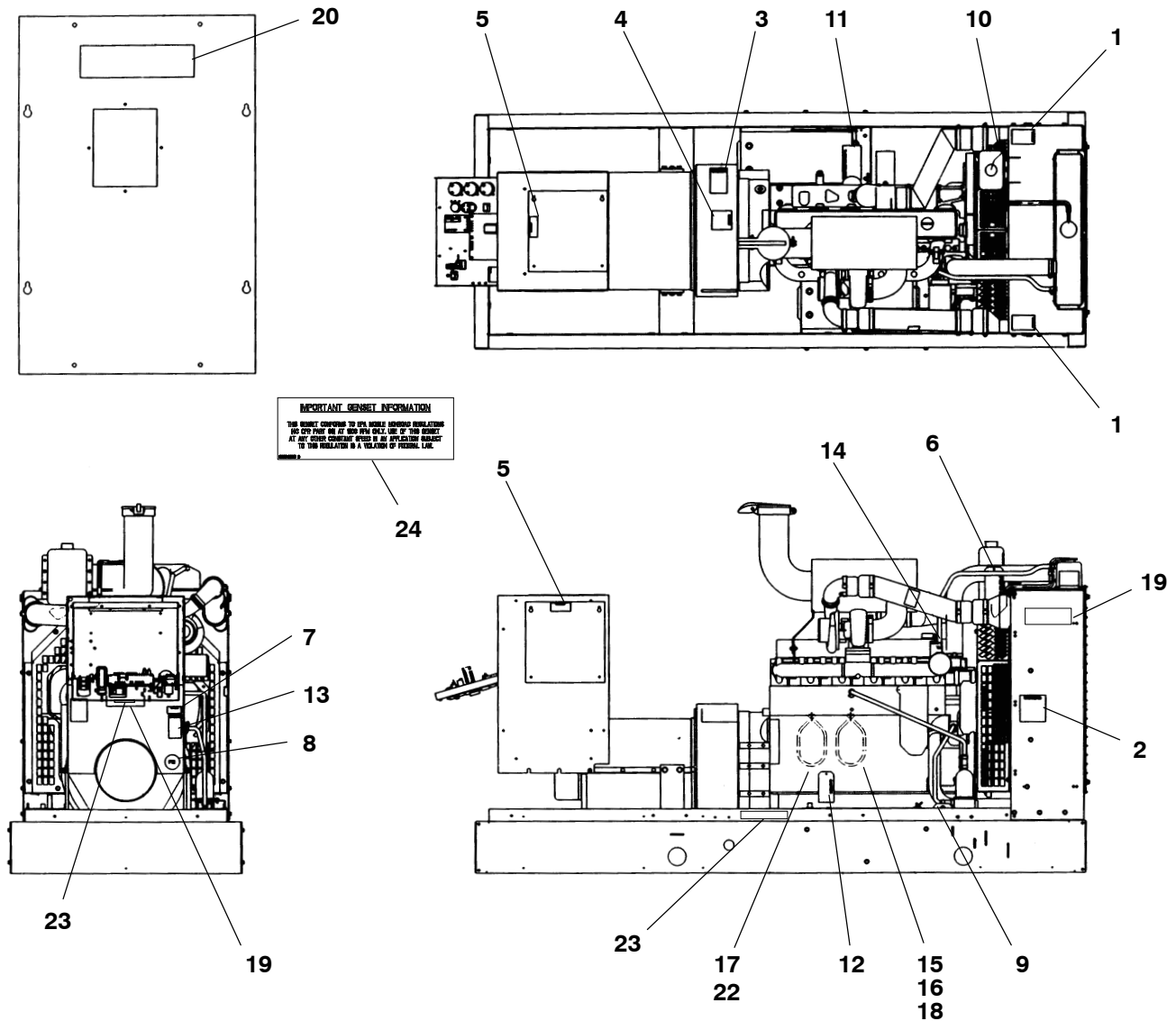
Operator Switch



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

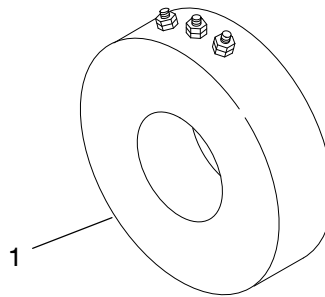
Miscellaneous Labels



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	098-4730	2	Label, Warning (Not used W/Remote Radiator)
2	098-4732	2	Label, Warning
3	098-5842	1	Label, Caution
4	098-4798	1	Label, Warning
5	098-5347	3	Label, Danger
6	098-7047	1	Tag, Water Fill (Not used W/Remote Radiator)
7	098-6074-02	1	Label, Warning
8	098-4500	1	Label, Prototype
9	098-6030	1	Tag, Caution
10	098-7450	1	Label, Coolant
11	098-7048	1	Tag, Oil Fill
12	098-6460	1	Tag, Battery

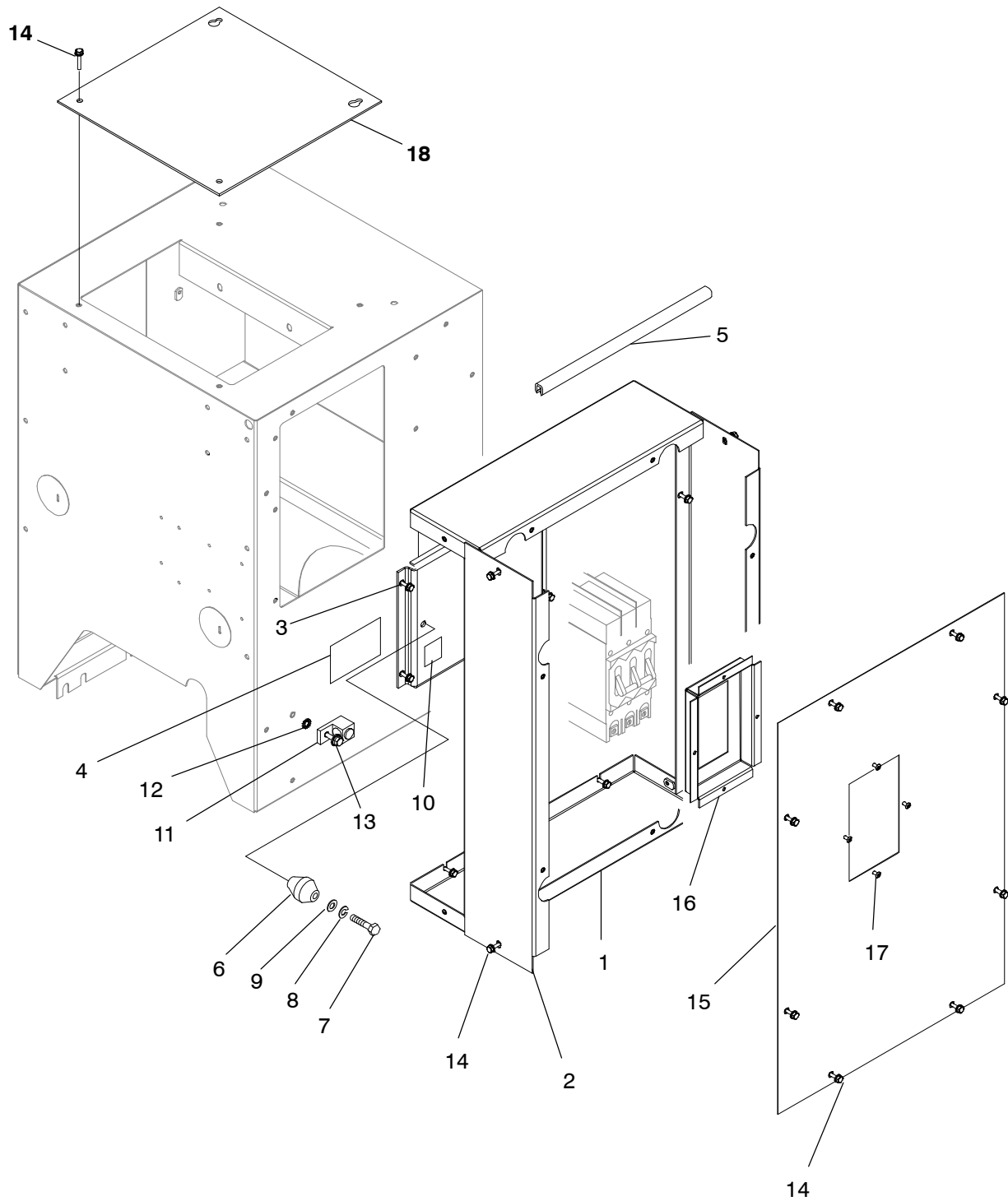
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
13	098-5759	1	Tag, Battery
14	098-7614	1	Label, Warning
15	501-0480-02	1	Line, Flexible Fuel
16	098-3171	1	Tag, Fuel Line
17	098-3172	1	Tag, Fuel Line
18	503-0685	1	Clamp, Hose
19	098-7902-03	3	Label, Logo
20	098-2304	1	Label, Warning (Used W/Circuit Breaker Only)
21	501-0627-03	1	Line, Flexible Fuel
22	098-7877	1	Label, Battery Warning
23	098-8445	1	Label, Information
24	098-8205	1	Label, Information - DGFC

Current Transformer



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Transformer, Current				
	302-2057-14 A/R		Ratio 518/1 or 1036/1				
	302-2058-27 A/R		Ratio 362/1				
	302-2058-28 A/R		Ratio 422/1				
	302-2057-47 A/R		Ratio 604/1 or 1208/1				
	302-2057-48 A/R		Ratio 694/1 or 1388/1				
	302-2057-24 A/R		Ratio 946/1 or 1892/1				

Circuit Breaker Box **10 – 630 Amp**

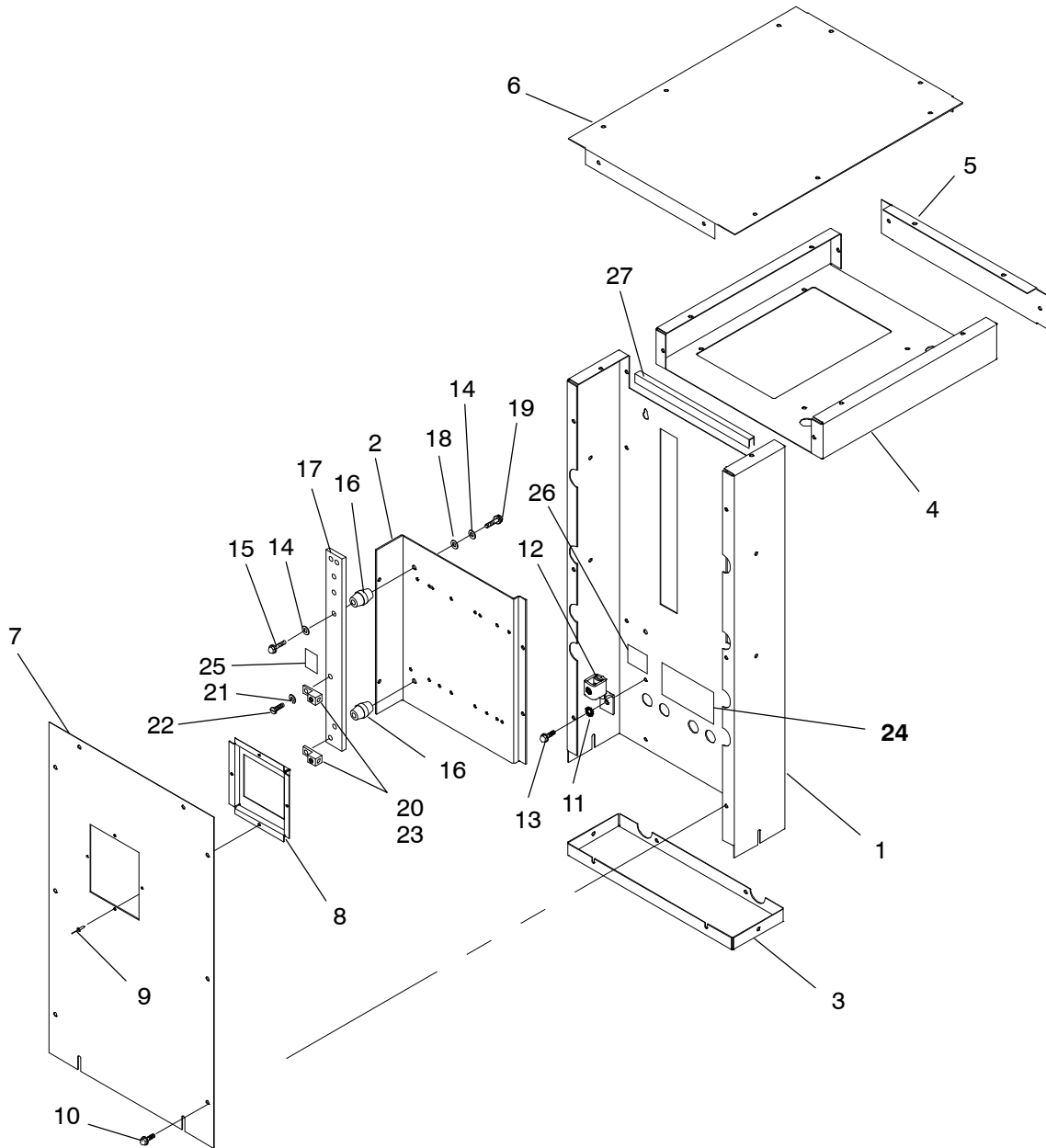


Circuit Breaker Box 10 – 630 Amp

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3072	2	Panel, End – CB Box	16			Cutout, CB Box
2	319-2978	2	Panel, Side – CB Box				UL
3			Bracket, Mounting – CB	319-3150	1		600 Volt, 300–630 Amp, 3 Pole
	319-5390-02	1	600 Volt Breaker	319-3240	1		240 Volt, 300–400 Amp, 2/3 Pole
	319-3243	1	240 Volt Breaker	319-3241	1		600 Volt, 10–100 Amp, 3 Pole
4	098-2304	1	Label, Warning	319-3242	1		240 Volt, 100–250 Amp, 2/3 Pole
5	508-0239	–	Edging – Bulk (Order By The Foot – 2 Feet Required)	319-3304	1		600 Volt, 125–600 Amp, 3 Pole
6	332-2744-07	1	*Standoff, Insulator				IEC
7	800-0048	2	*Screw, Cap – Hex Head (3/8–16 x .75)	319-3150	1		750 Volt, 300–630 Amp, 3/4 Pole
8	850-0050	2	*Washer, Lock (3/8)	319-3241	1		660 Volt, 10–100 Amp, 3 Pole
9	526-0029	1	*Washer, Flat (3/8)	319-3242	1		750 Volt, 70–250 Amp, 3/4 Pole
10	098-5854-04	1	*Label, Bus – Warning	319-3304	1		660 Volt, 125–600 Amp, 3 Pole
11	332-1473	1	Lug, Solderless	17	818-0231-02	4	Rivet, Pop
12	856-0008	1	Washer, Lock – EIT (5/16)	18	319-2996	1	Cover, Housing – Control
13	821-6003-02	1	Screw, SEMS – Hex Head (M8 x 1.25 x 20)				
14	821-6002-03	24	Screw, SEMS – Hex Head (M6 x 1 x 16)				
15	319-3151	1	Cover, CB Box				

* = UL Rated Breakers only.

Circuit Breaker Box **700 – 1000 Amp**

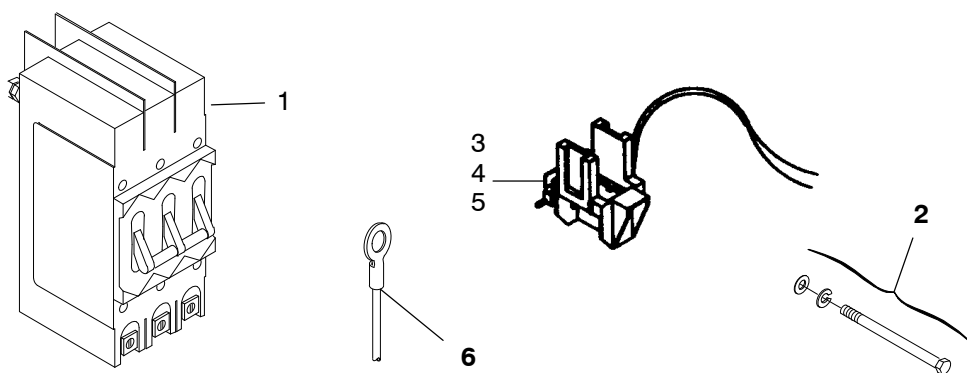


Circuit Breaker Box 700 – 1000 Amp

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3136	1	Box, Circuit Breaker	16	332-2305	2	*Standoff, Insulator
2	319-5591-02	1	Bracket, Mounting – CB	17	337-2974	1	*Bar, Neutral
3	319-3072	1	Panel, End – CB Box	18	526-0399-16	2	*Washer, Flat (5/16)
4	319-3236	1	Box, Output	19	800-0029-01	2	*Screw, Cap – Hex Head (5/16-18 x 1-1/8)
5	319-3237	1	End, Box – Output (Units with Single Breaker Only)	20	332-2660	2	*Lug, Solderless
6	319-3238	1	Cover, Box – Output	21	850-0040	4	*Washer, Lock (1/4)
7	319-3137	1	Cover, Box – CB	22	822-0085	2	*Screw, Pan Head (1/4-20 x 5/8)
8	319-3134	1	Cutout, Box – CB	23	822-0091	2	*Screw, Pan Head (1/4-20 x 1-1/2)
9	818-0231-02	4	Rivet, Pop	24	098-2304	1	*Label, Warning
10	821-6002-03	46	Screw, SEMS – Hex Head (M6 x 1 x 16)	25	098-5854-04	1	*Label, Bus – Warning
11	856-0008	1	Washer, Lock – EIT (5/16)	26	098-6537	1	Label, Ground
12	332-2001	1	Lug, Solderless	27	508-0305-02	-	Edging – Bulk (Order By The Foot – 4 Feet Required)
13	821-6003-02	1	Screw, SEMS – Hex Head (M8 x 1.25 x 20)				
14	850-0114-06	4	*Washer, Lock – Split (5/16)				
15	800-0025	2	*Screw, Cap – Hex Head (5/16-18 x 5/8)				

* = Used with 3 pole breaker only.

Circuit Breaker

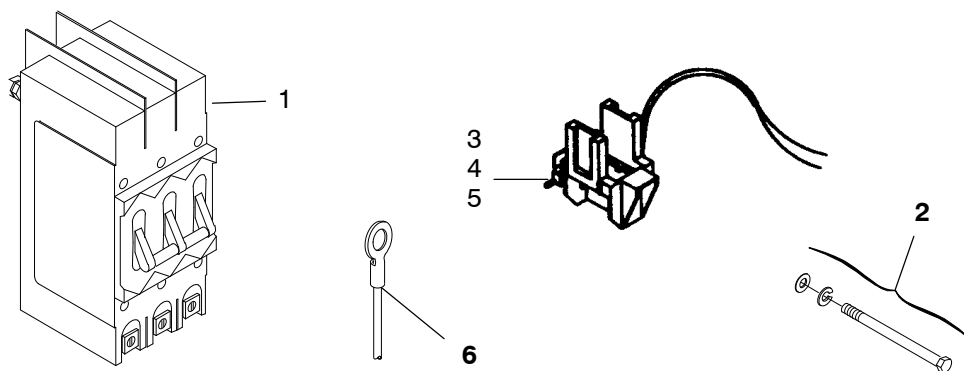


REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Breaker, Circuit				
			3 Pole (UL & IEC)				
	320-2346-10	1	70 Amp (H-Frame)		320-1960-03	1	* 450 Amp
	320-2346-09	1	80 Amp (H-Frame)		320-1960-02	1	* 500 Amp
	320-2346-08	1	90 Amp (H-Frame)		320-1960-01	1	* 600 Amp
	320-2346-07	1	100 Amp (H-Frame)		320-2261-02	1	* 800 Amp
	320-2346-06	1	125 Amp (H-Frame)		320-2262-02	1	* 1200 Amp
	320-2346-05	1	150 Amp (H-Frame)				4 Pole (IEC)
	320-2346-55	1	150 Amp		320-1960-10	1	* 320 Amp
	320-2346-56	1	125 Amp		320-1960-09	1	* 400 Amp
	320-2346-57	1	100 Amp		320-1960-08	1	* 500 Amp
	320-2346-58	1	90 Amp		320-1960-07	1	* 630 Amp
	320-2346-59	1	80 Amp				
	320-2347-04	1	175 Amp (J-Frame)				
	320-2347-03	1	200 Amp (J-Frame)				
	320-2347-02	1	225 Amp (J-Frame)				
	320-2347-01	1	250 Amp (J-Frame)				
	320-2347-51	1	250 Amp				
	320-2347-52	1	225 Amp				
	320-2347-53	1	200 Amp				
	320-2347-54	1	175 Amp				
	320-1960-06	1	* 300 Amp				
	320-1960-05	1	* 350 Amp				
	320-1960-04	1	* 400 Amp				

* – Includes Mounting Hardware

Continued...

Circuit Breaker



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

2			Package, Hardware – Circuit Breaker Mounting (Includes Screws, Nuts and Lock Washers)
			Accessories, Circuit Breaker: The following are used on 320-1960-XX Circuit Breakers
3	320-1981-02	1	Trip, Shunt (12V)
4	320-1981-01	2	Switches – Used as an Auxiliary Contact or Trip Alarm
			Accessories, Circuit Breaker: The following are used on R & P Circuit Breakers
5	320-2196-03	1	Trip, Shunt (12V)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
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6			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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