

Parts Manual

Generator Set

with 6BT5.9 Engine, PowerCommand[®] 2100 Controller

DGDA (Spec R-S)

DGDB (Spec R-S)

DGDK (Spec B-D)

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 DGDA, DGDB & DGDK 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 With EPA Certification	Cummins Engine Model Without EPA Certification
DGDA	6BTA5.9-G4	6BT5.9-G6
DGDB	6BTA5.9-G4	6BT5.9-G6
DGDK	6BTAA5.9-G1	6BTA5.9-G3

Generator Set Data Table

Model/ Specification	Electrical Data					Battery Voltage
	Watts	Volts	Hertz	Wire	Phase	
65DGDA*	65,000	#	50	4,6,12	1 or 3	12 VDC
80DGDA*	80,000	#	60	4,6,12	1 or 3	12 VDC
85DGDB*	85,000	#	50	4,6,12	1 or 3	12 VDC
100DGDB*	100,000	#	60	4,6,12	1 or 3	12 VDC
100DGDK*	100,000	#	50	4,6,12	1 or 3	12 VDC
125DGDK*	125,000	#	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.

Engine Parts Catalog Ordering Information

A parts catalog listing all of the engine parts is available for purchase from the engine supplier.

To order an engine parts catalog, please contact the following suppliers.

Cummins Powered Generator Sets:

Cummins Literature Service
Phone 800-646-5609 or
Outside the US or Canada phone 502-454-6660
Please have the Cummins engine serial number available.

Ford Powered Generator Sets:

Northern Power Products
Phone 800-284-6247 or
Outside the US or Canada phone 651-452-8900
Please have the Ford engine model number available.

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Abbreviations

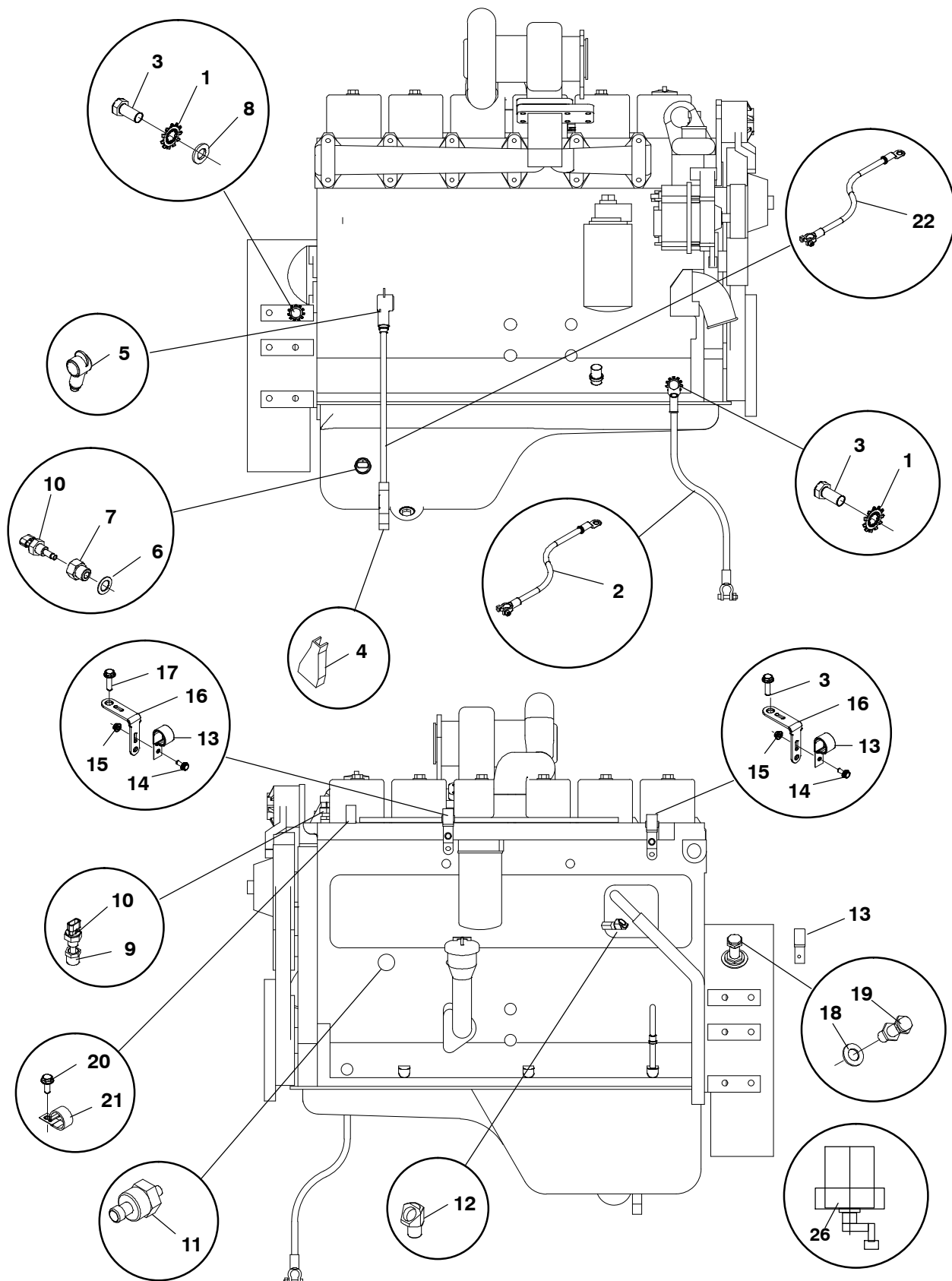
Some of the following abbreviations may be used throughout this Parts Catalog:

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.
kW	Kilowatt	UNC	Union National Coarse
LPG	Liquid Petroleum Gas	UNF	Union National Fine
LT	Left	VAC	Volts Alternating Current
M(meter Number)	Meter	VDC	Volts Direct Current
		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				

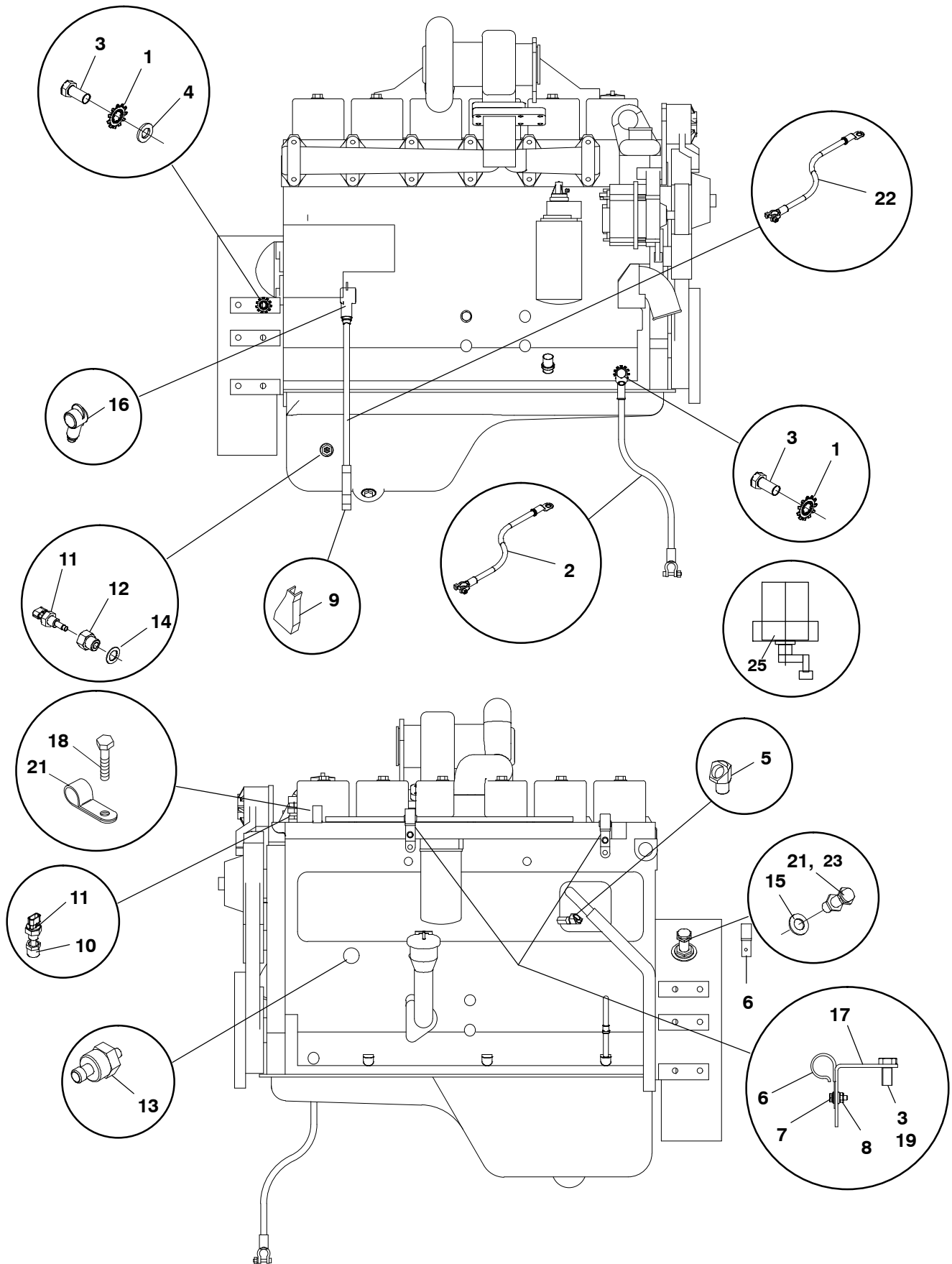
External Engine Parts DGDA, DGDB



External Engine Parts DGDA, DGDB

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	856-0013	2	Washer, W/EIT – Lock (1/2)	15	870-2054	2	Nut, Locking – Flange (M6 x 1)
2	416-1093	1	Cable, Battery	16	338-4238-02	2	Bracket, Harness
3	800-2111	3	Screw, Cap – Hex Head (M12 x 1.75 x 25)	17	821-2048	2	Screw, Locking – Flange Head (M8 x 1.25 x 30)
4	416-1019	1	Boot, Battery – Red	18	526-0027	1	Washer, Flat (3/4)
5	416-1084	1	Boot, Starter – Red	19	150-2201	1	Sensor, Speed – Magnetic
6	526-0329	1	Gasket, Oil Drain	20	821-6004-01	1	Screw, Hex (M10 x 20)
7	102-1448-02	1	Adapter, Oil Drain	21	332-2634	1	Clamp, J
8	526-2140	1	Washer, Flat (M12)	22	416-1092	1	Cable, Battery
9	505-0019	1	Bushing, Reducer (1/2 x 3/8)	23	402-0222	1	Dampener-Vibration (not shown)
10	193-0529-01	1	Sensor, Temperature	24	502-0029-03	1	Bushing, Reducer (1/2 x 7/8)
11	A028X493	1	Sender, Oil Pressure	25	504-0198	1	Vent, Air (not shown)
12	502-0199	1	Elbow, Male – Inverted (45°)	26		1	Actuator, Governor
13	332-3196	3	Clamp, J		150-2735-01	1	12V
14	821-2033	2	Screw, Locking – Flange Head (M6 x 1 x 16)		150-2735-02	1	24V

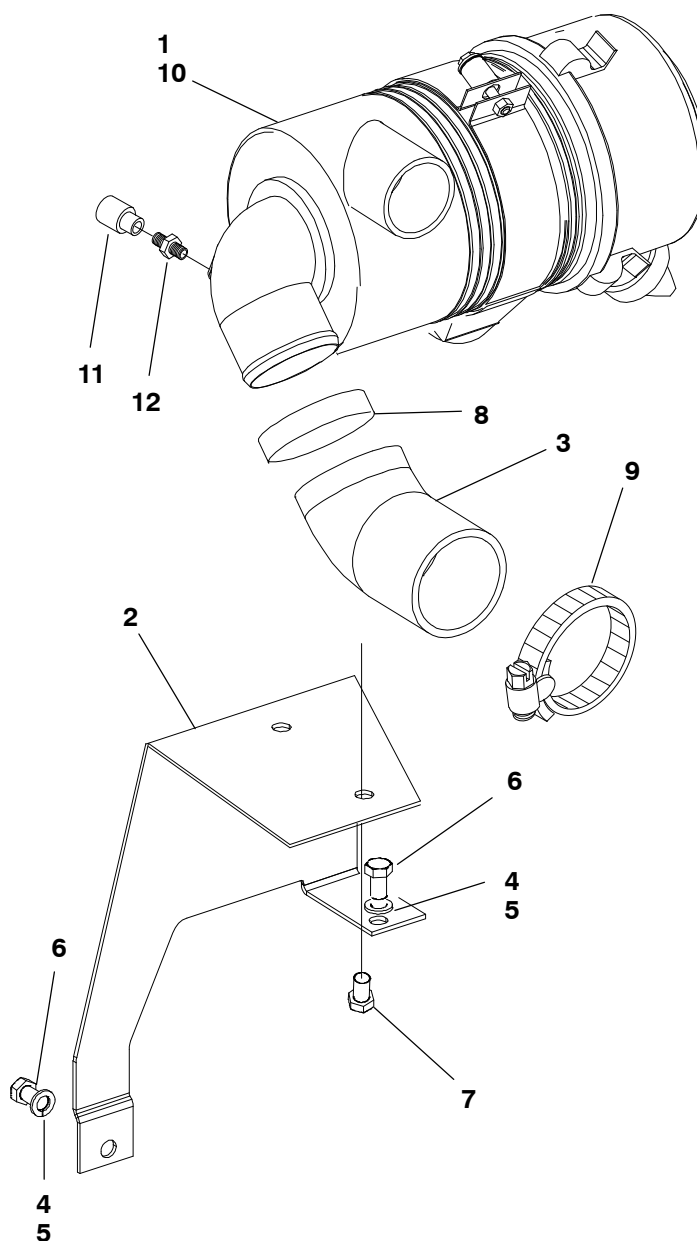
External Engine Parts DGDK



External Engine Parts DGDK

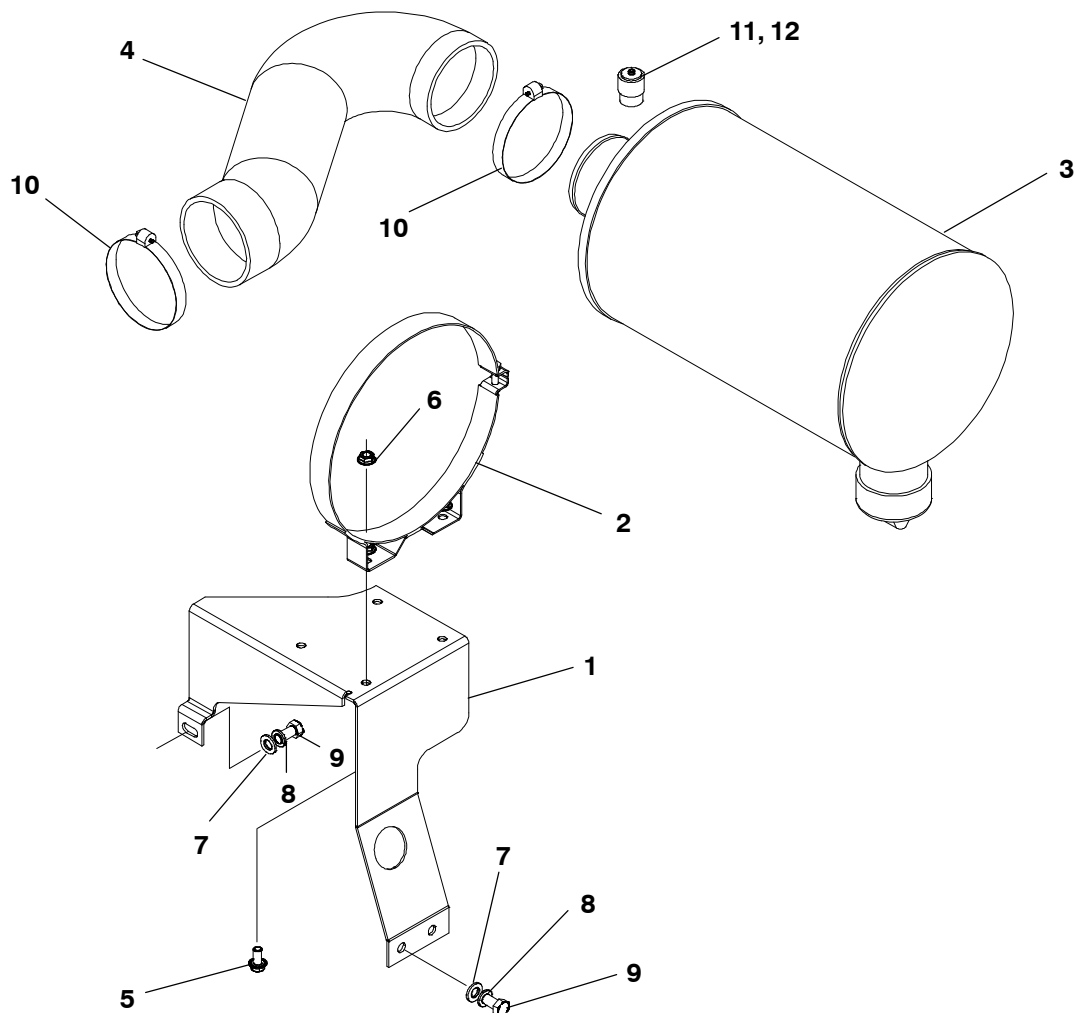
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	856-0013	2	Washer, Lock – W/EIT (1/2)	16	416-1084	1	Boot, Starter – Red
2	416-1093	1	Cable, Battery	17	338-4238-02	2	Bracket, Harness
3	800-2111	3	Screw, Cap – Hex Head (M12 x 1.75 x 25)	18	821-6004-01	1	Screw, Hex (M10 x 20)
4	526-2140	1	Washer, Flat (M12)	19	821-2046	1	Screw, Lock – Flange Head (M8 x 1.25 x 30)
5	502-0199	1	Elbow, Male – Inverted (45°)	20	150-2201	1	Sensor, Speed – Magnetic
6	332-3196	3	Clamp, “J”	21	526-0027	1	Washer, Flat (3/4)
7	821-2033	2	Screw, Lock – Flange (M6 x 1 x 16)	22	416-1092	1	Cable, Battery
8	870-2054	3	Nut, Lock – Flange (M6 x 1)	23	332-1993	2	Terminal, Receptacle
9	416-1019	1	Boot, Battery – Red	24	338-4110-02	1	Bracket, Harness
10	505-0019	1	Bushing, Reducer (1/2 x 3/8)	25	150-2735-01	1	Actuator, Governor 12V
11	193-0529-01	1	Sender, Temperature		150-2735-02	1	24V
12	102-1448-02	1	Adapter, Oil Drain	26	502-0029-03	1	Bushing, Reducer(Not shown in drawing)
13	A028X493	1	Sender, Oil Pressure				
14	102-1356	1	Gasket, Oil Drain	27	504-0198	1	Vent, Air(Not shown in drawing)
15	526-0027	1	Washer, Flat (3/4)				

Air Cleaner DGDA, DGDB



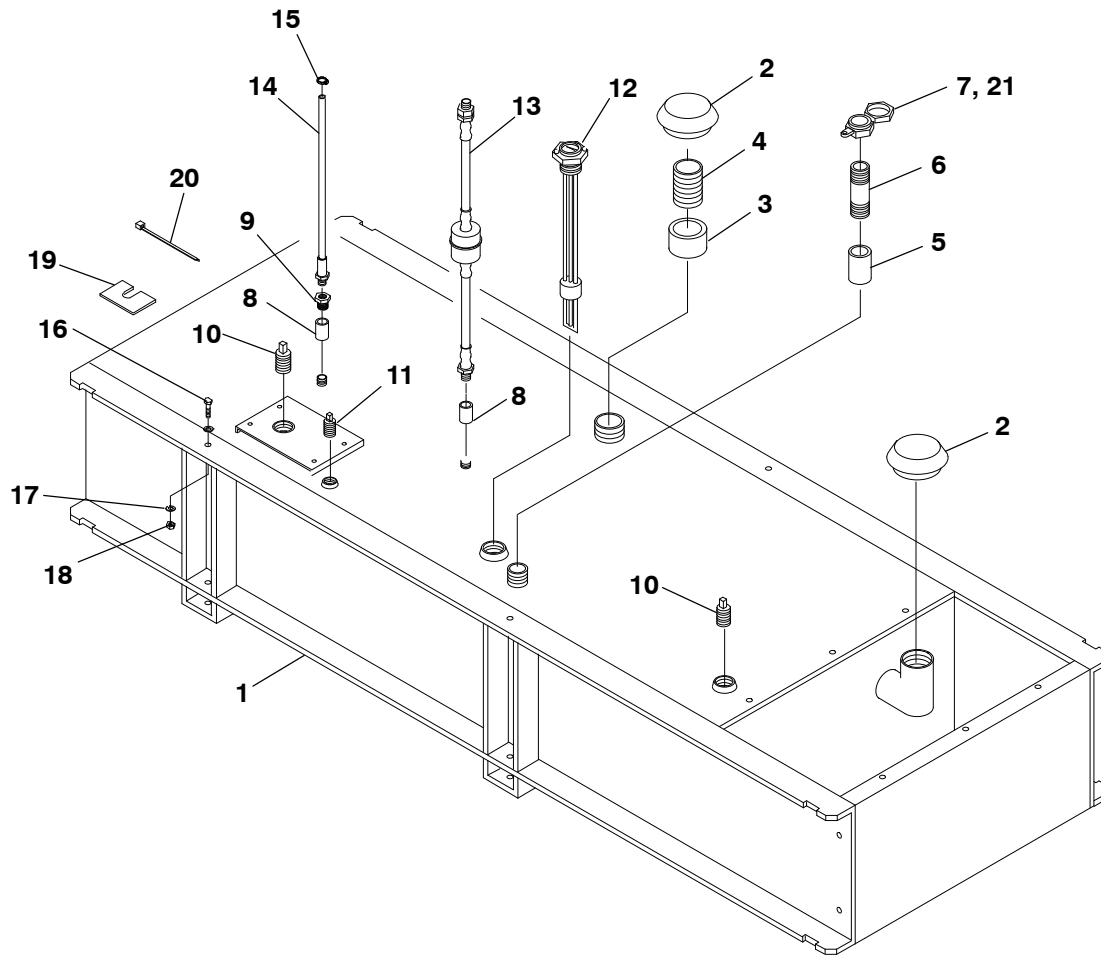
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-3118	1	Cleaner, Air	7	800-2056	2	Screw, Cap – Hex Head (M12 x 1.75 x 16)
2	140-3083	1	Bracket, Mounting – Air Cleaner	8	503-1870-07	1	Clamp, Hose
3	503-2051	1	Elbow, Air Cleaner	9	503-1870-06	1	Clamp, Hose
4	526-2140	2	Washer, Flat (M12)	10	140-3068	1	Element, Air Cleaner
5	850-2012	2	Washer, Lock (M12)	11	140-1548	1	Indicator, Service
6	800-2111	2	Screw, Cap – Hex Head (M12 x 1.75 x 25)	12	140-1260	1	Nipple, Hex

Air Cleaner DGDK



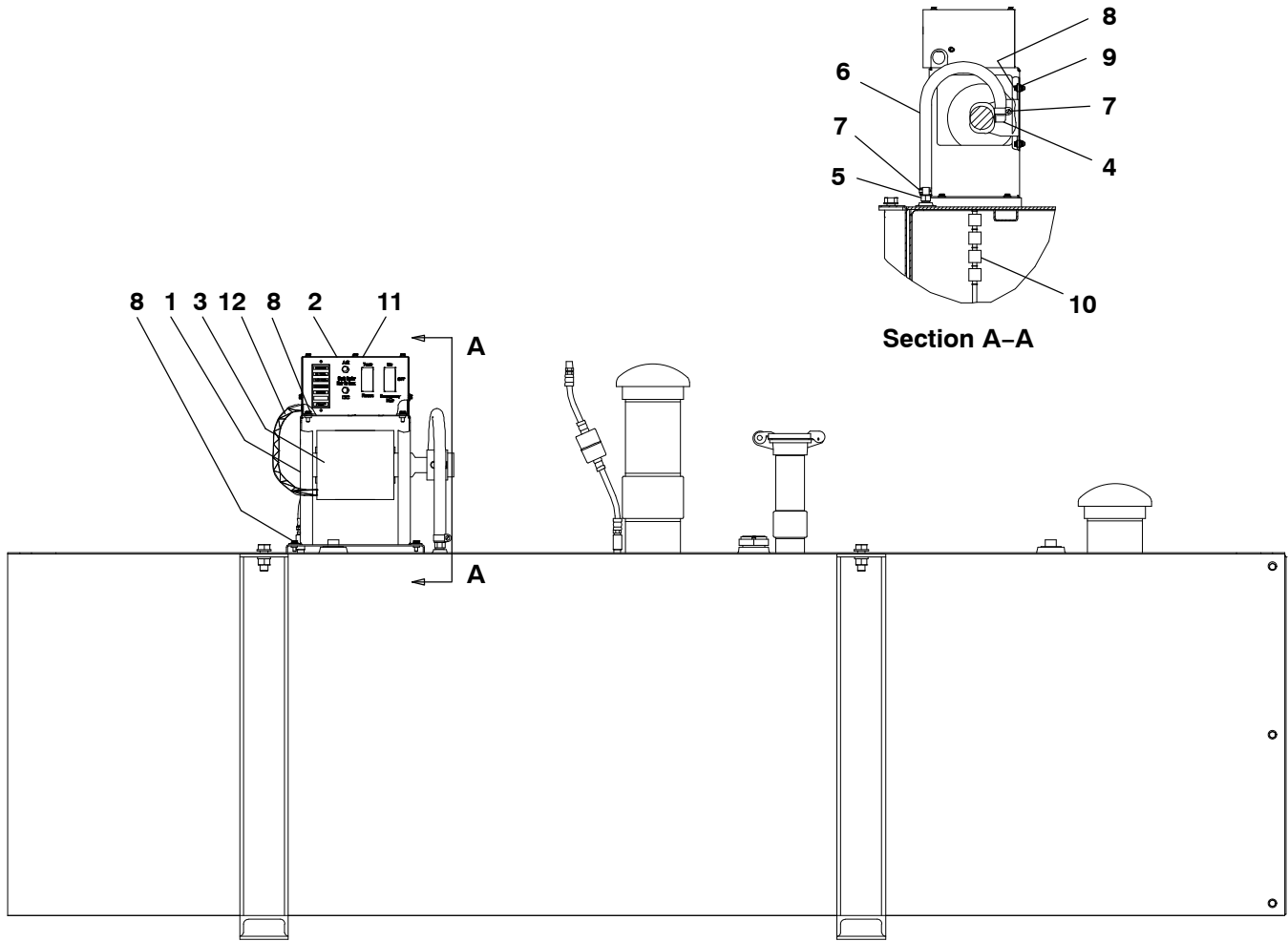
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-3317-02	1	Bracket, Air Cleaner	7	526-2140	3	Washer, Flat (M12)
2	140-1973	2	Band, Mounting	8	850-2012	3	Washer, Lock - Split (M12)
3	140-3112	1	Cleaner, Air (Includes Replacement Element)	9	800-2111	3	Screw, Cap - Hex Head (M12 x 1.75 x 25)
	140-3117	1	Element, Replacement	10	503-1870-08	2	Clamp, Hose
4	503-2397	1	Elbow, Hose	11	140-1548	1	Indicator, Service
5	821-2060	4	Screw, Hex Flange Head (M10 x 1.5 x 20)	12	502-0175	1	Adapter, Pipe
6	870-2056	4	Nut, Locking - Flange (M10 x 1.5)				

Fuel Tank



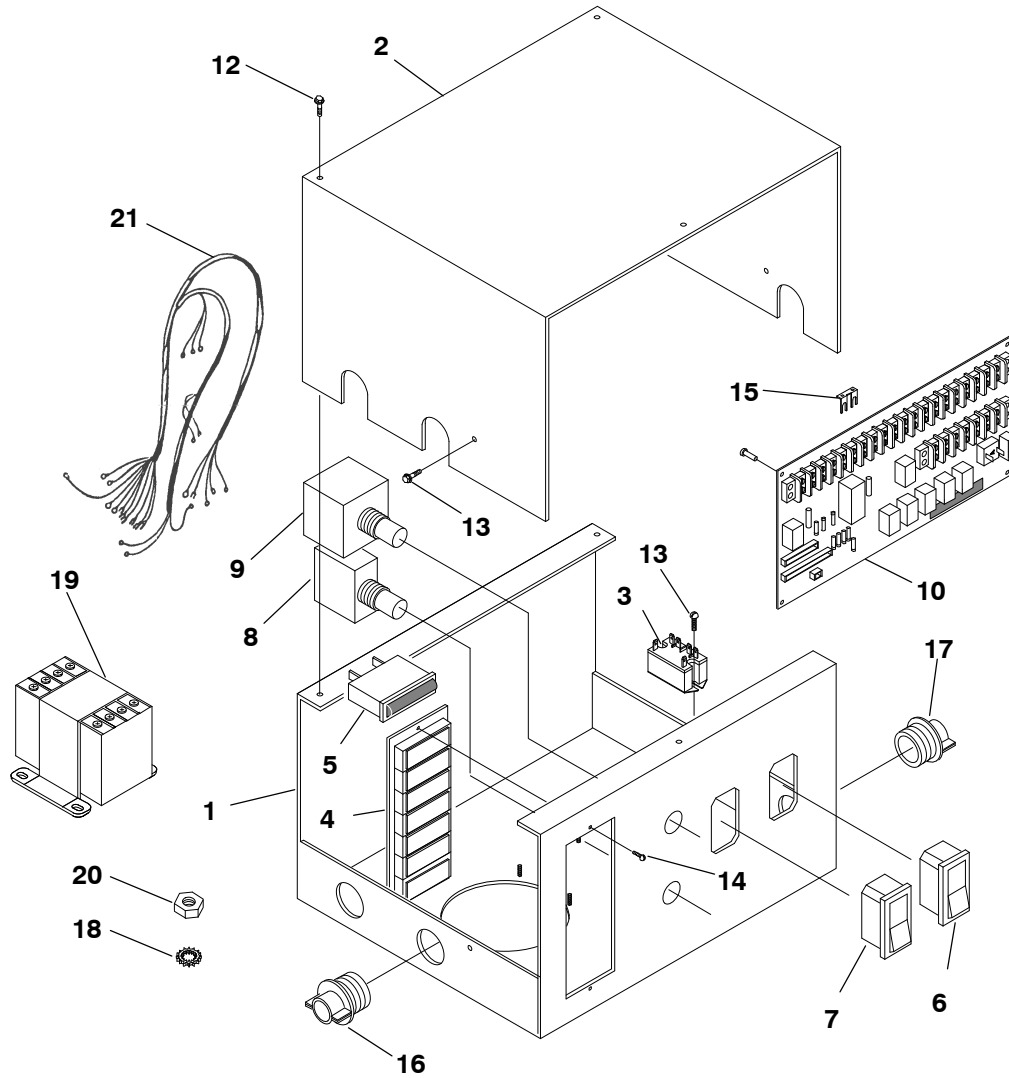
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	A030G898	1	Tank, Fuel (2226 x 900 x 272)	11	505-0110	1	Plug, Square Head (3/8" NPT)
	A030G891	1	(2226 x 900 x 406)	12	415-0565-59	1	Gauge, Liquid Level
	159-1475-01	1	(2226 x 900 x 752)		415-0565-68	1	109, 125 Gallon Tank
2	159-1371-05	2	Cap, Vent - Pipe	13	501-0627-03	1	Line, Fuel - In (Includes Fuel Filter 149-2441)
3	505-2426	1	Coupling, Pipe	14	501-0502	1	Line, Fuel - Out
4	505-0679	1	Nipple, Pipe	15	503-0685	1	Clamp, Hose
5	505-0203	1	Coupling, Pipe (2" NPT)	16	800-3017-73	4	Screw, Cap - Hex Head (M16 x 2 x 45)
6	505-2425	1	Nipple, Pipe (2" NPT x 6" long)	17	A032X835	8	Washer, Lock (M16)
7	415-0043	1	Cap, Fill - Fuel (2")	18	862-0026-58	4	Nut, Hex (M16)
8	505-0027	2	Coupling, Pipe (1/4" NPT)	19	232-3552-02	8	Shim, Fuel Tank
9	505-0007	1	Bushing, Reducer (1/4" NPT x 1/8" NPT)	20	332-0941	1	Tie, Cable
10	505-0359	2	Plug, Square Head (1-1/4" NPT)	21	159-1809	1	Module, Input Output

Fuel Pump and Control



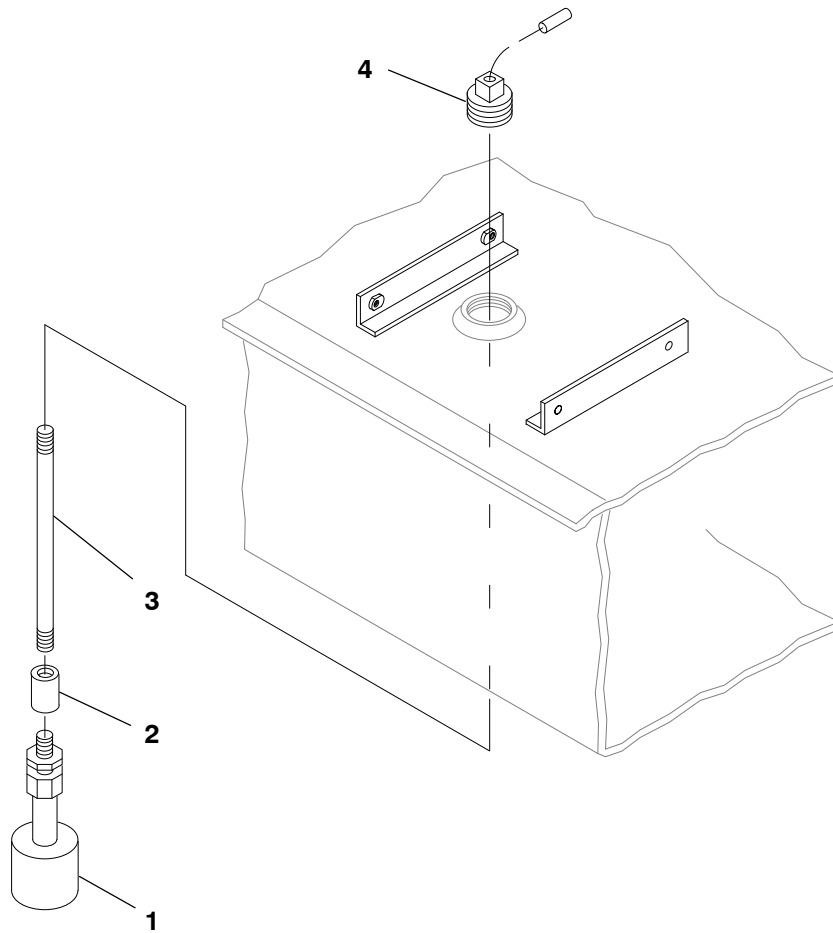
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	159-1468	1	Bracket, Pump	7	503-0183	2	Clamp, Hose
2	625-2141-02	1	Control, Day Tank (See Separate Page for Components)	8	821-2033	12	Screw, Lock - Flange (M6 x 1 x 16)
3	399-0117	1	Pump	9	870-2054	4	Nut, Lock - Flange (M6 x 1)
4	502-0942	1	Elbow, Hose - 90°	10			Switch, Float
5	502-0943	1	Connector, Hose (3/8 NPT x 5/8 ID Hose)		308-0913-07	1	109 Gallon Tank
6	503-1660-04	1	Hose, Fuel - Pump to Tank		308-0913-10	1	173 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	12	815-0350	5	Screw, Self-Tapping – Slotted Hex Washer Head (#10-32 x 3/8")
2	319-4534	1	Cover, Box	13	812-0075	2	Screw, Machine – Round Head (#8-32 x 1/4")
3	307-2677-02	1	Relay, Pump (K130)	14	815-0385	2	Screw, Machine – Round Head (#6-32 x 1/2")
4	322-0403-02	1	Light, Assembly, Indicator – 7 Light (Includes Wiring Harness)	15	332-2605	2	Jumper, Terminal
5	322-0369-03	1	Lamp, Indicator – Replacement	16	331-0027	2	Connector, Romex
6	308-0912	1	Switch, Rocker (On/Off/ Emergency Run) (S102)	17	331-0042	1	Connector, Knockout
7	308-0852	1	Switch, Rocker (Reset/Off/Test) (S111)	18	856-0002	1	Washer –EIT (#8)
8	320-1653	1	Breaker, Circuit – DC (Single Pole) (CB107)	19	315-0686	1	Transformer (T105)
9	A041T419	1	Breaker, Circuit – AC (Double Pole) (CB101)	20	860-0008	1	Nut, Hex (#8-32)
				21	338-2382	1	Harness, Control

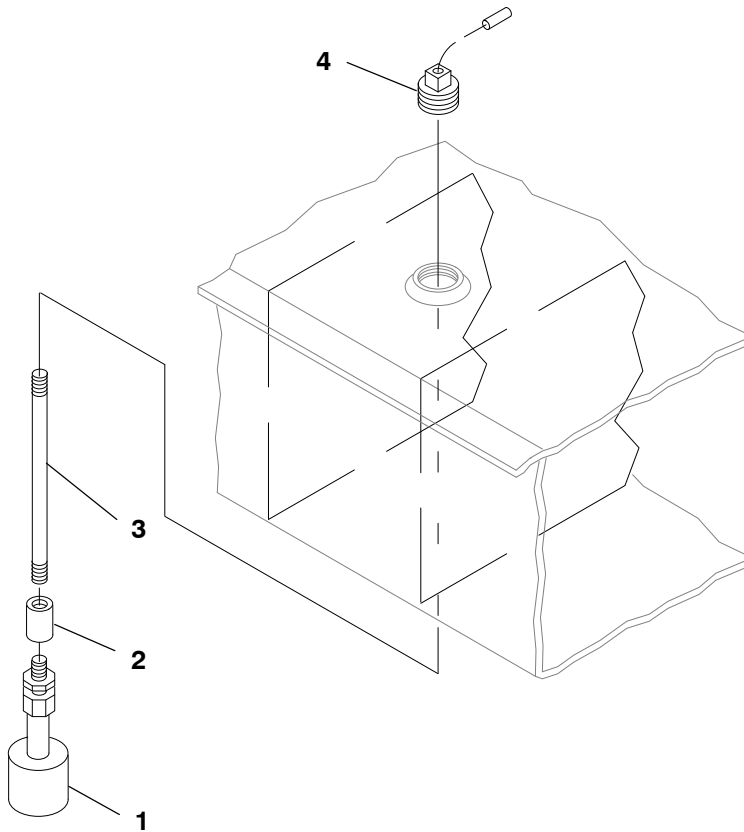
Low Fuel Alarm



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	308-0963-01	1	Switch, Basin (S8)
2	505-0026	1	Coupling (1/8)
3	505-0070	1	Nipple, Pipe (1/8) 109 Gallon Tank

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

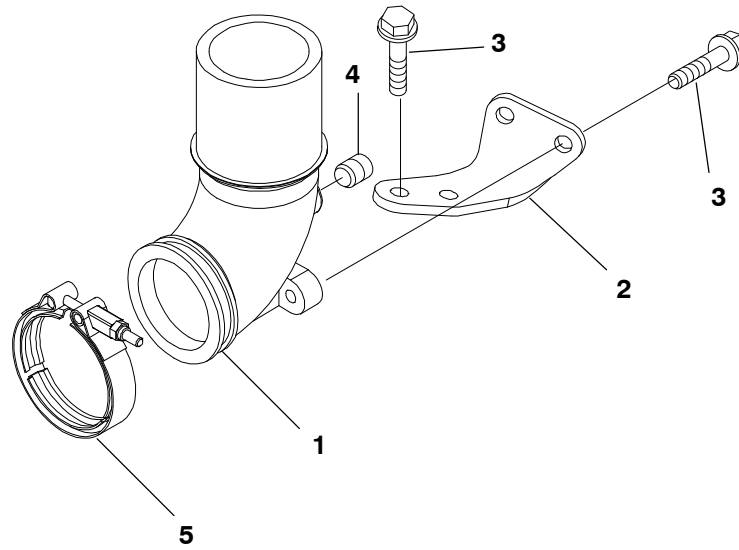
Rupture Basin Alarm



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	308-0916-01	1	Switch, Basin (S9)
2	505-0026	1	Coupling (1/8)
3			Nipple, Pipe (1/8)
	505-1458-08	1	109 Gallon Tank
	505-1458-14	1	173 Gallon Tank

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

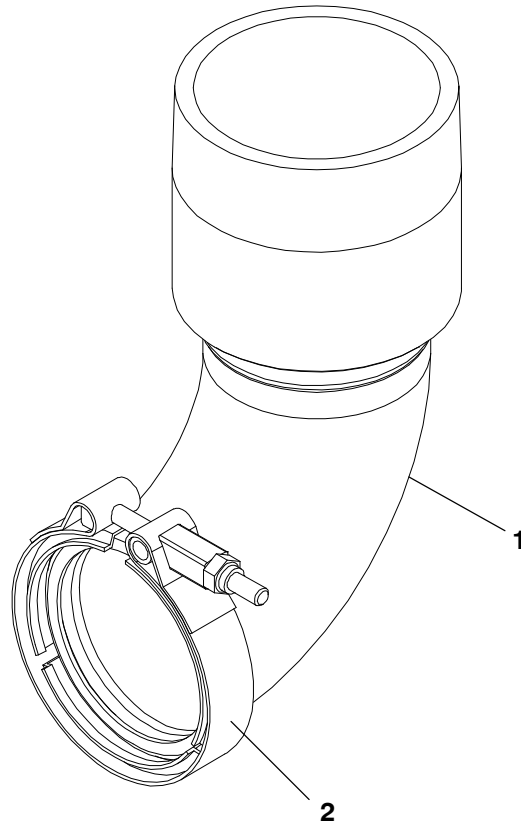
Exhaust Adapter



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-3170	1	Adapter, Exhaust
2	155-3171	1	Brace, Exhaust
3	821-2061	4	Screw, Lock – Flange (M10 x 1.5 x 25)

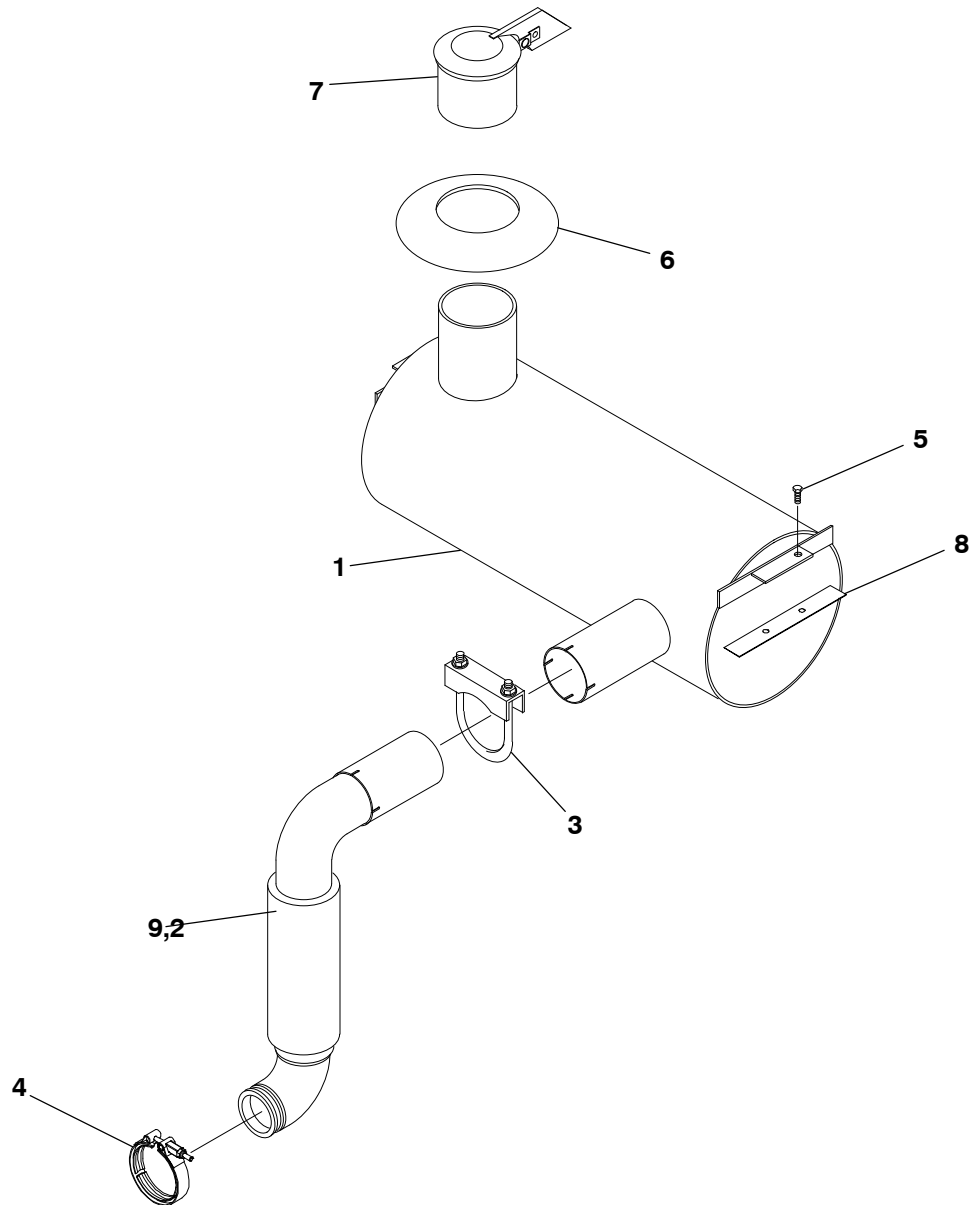
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	505-0180	1	Plug, Countersunk
5	155-2565	1	Clamp, V-Band

Exhaust Adapter Standard



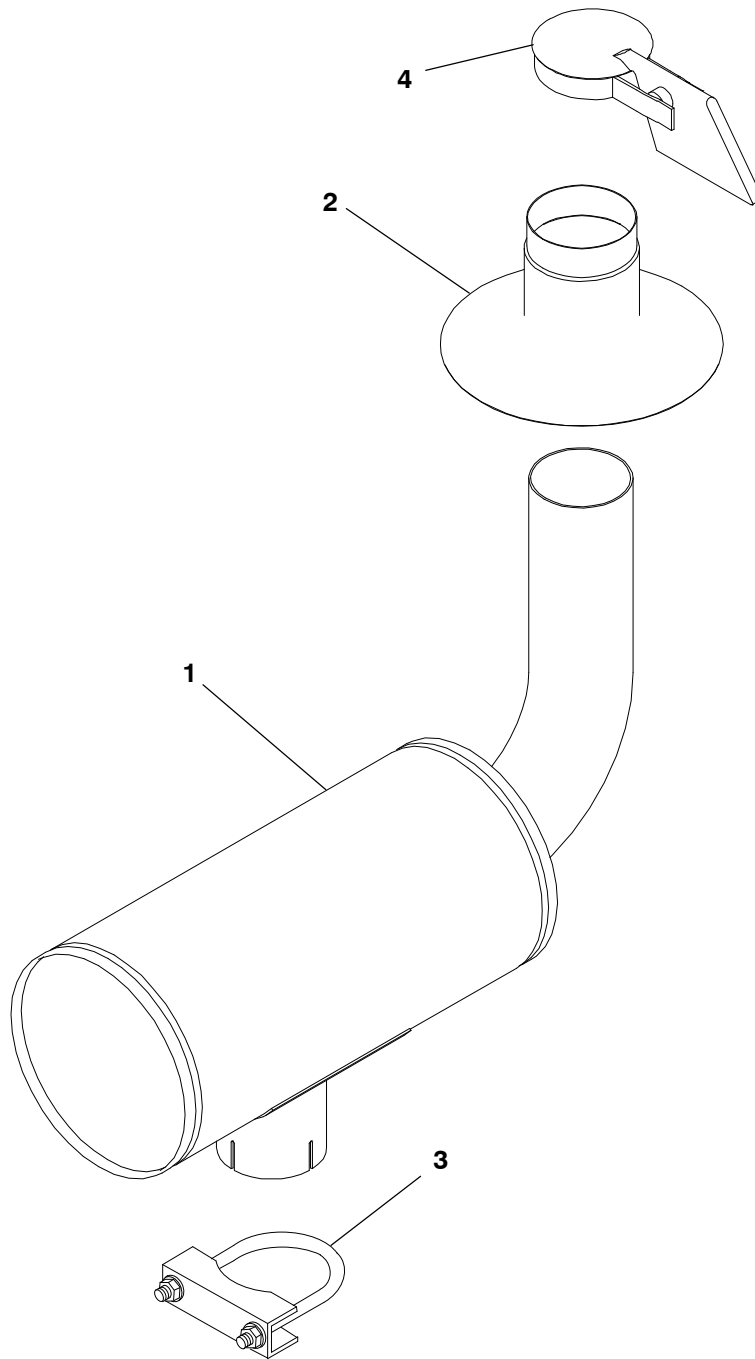
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-3116	1	Adapter, Exhaust				
2	155-2565	1	Clamp, V-Band				

Muffler – Critical Housed Sets



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-3150-05	1	Muffler, Critical	6	155-3180-01	1	Shield, Rain
2	155-3162	1	Pipe, Exhaust	7	155-2062-63	1	Cap, Rain
3	155-2305	1	Clamp, Muffler	8	155-3219	2	Gasket, Muffler
4	155-2565	1	Clamp, V-Band	9	155-3164-03	2	Pipe Assy, Exhaust
5	821-6003-02	2	Screw, Cap – Hex Head				

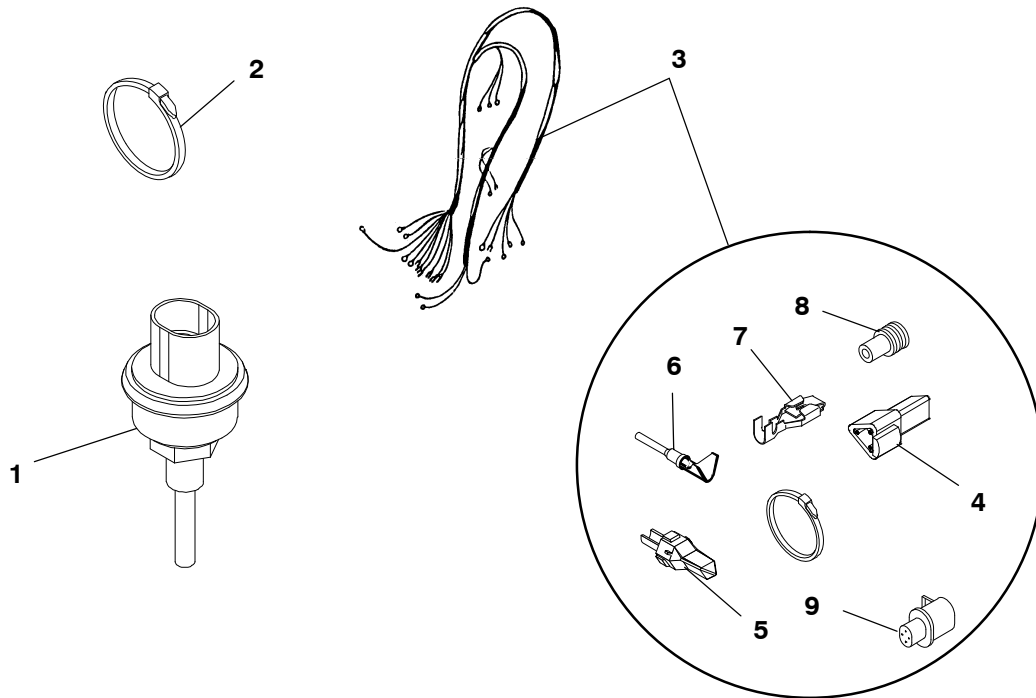
Muffler – Industrial



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-3193	1	Muffler
2	155-3102-02	1	Shield, Rain (Housed sets)
3	155-2175	1	Clamp, Muffler

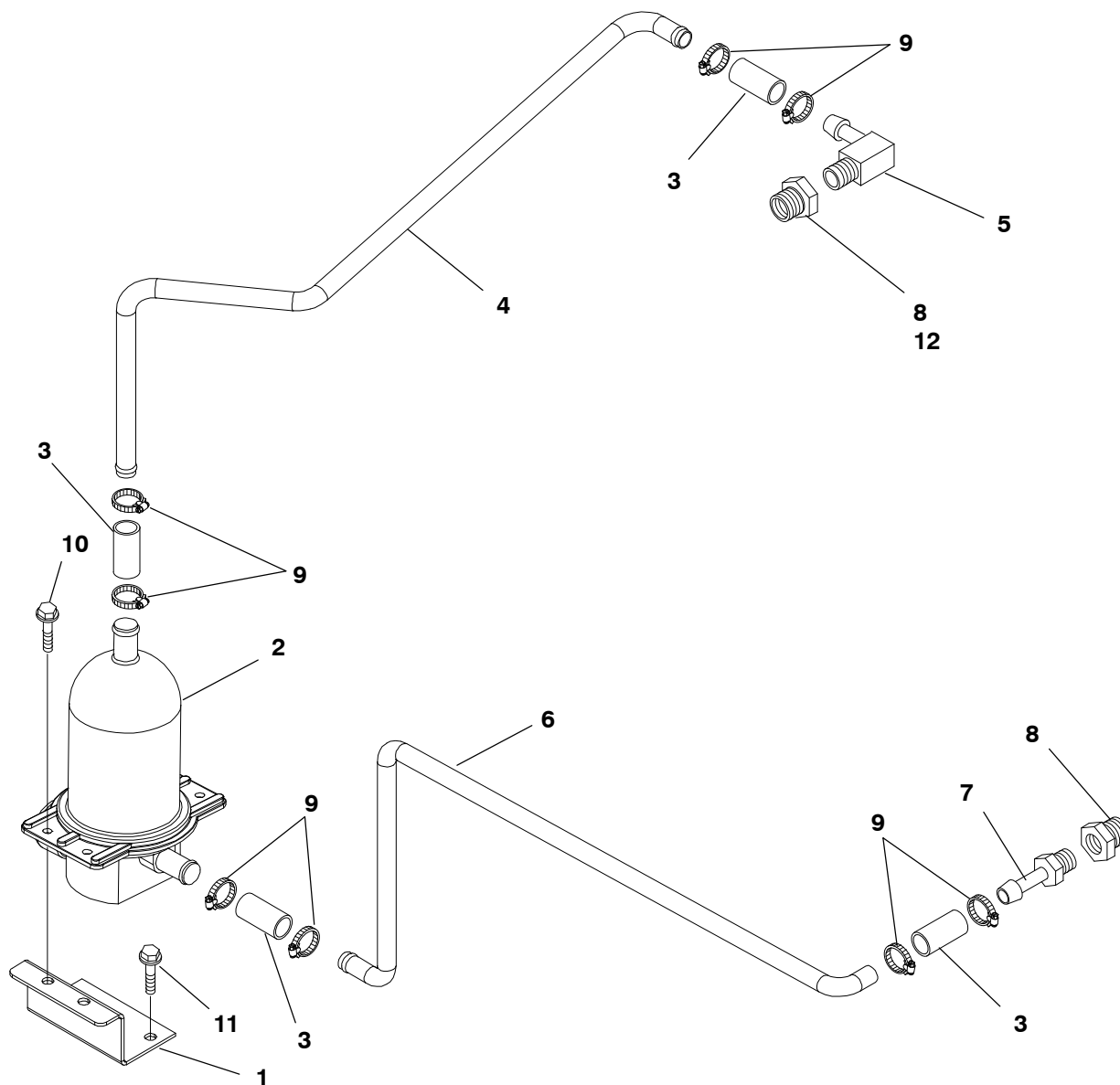
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4			Cap, Rain
	155-2062-53	1	Unhoused Sets
	155-2062-60	1	Housed Sets

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	323-1502	1	Wedge, Receptacle
2	332-1389	3	Tie, Cable	6	323-1491	3	Pin, Contact (S7)
3	338-4178-01	1	Harness, Low Coolant Level Sender (30.00") (Includes the Following Parts)	7	323-1709	4	Socket, Contact
4	323-1494	1	Connector, Receptacle	8	323-1708	4	Seal, Cable
				9	323-1765	1	Housing, Connector (4 Pin)

Water Heater



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	333-0584	1	Bracket, Heater
	333-0615	1	Basic Skid
2			Heater, Engine Coolant
	333-0588-03	1	120 Volt
	333-0588-04		240 Volt
3	503-1634-02	4	Hose, Silicon Rubber (5/8 x 2.5)
4	130-4644	1	Tube, Water Heater
5	502-0942	1	Elbow, Hose - 90°
6	130-4717	1	Tube, Water Heater
7	502-0943	1	Connector, Hose (3/8 NPT x 5/8 Hose)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
8	505-0019	1	Bushing, Reducer (3/8 x 1/2)
	505-0019	2	Housing Compatible Skid
9	503-2157-01	8	Clamp, Hose
10			Screw, SEMS - Hex Head (M6 x 1.0 x 16)
	821-6002-03	2	Basic Skid
	821-6006-01	4	Housing Compatible Skid
11	821-6003-02	2	Screw, SEMS - Hex Head (M6 x 1.25 x 20) - Basic Skid
12	505-0131	1	Bushing, Reducer (3/4 x 3/8) - Housing Compatible Skid

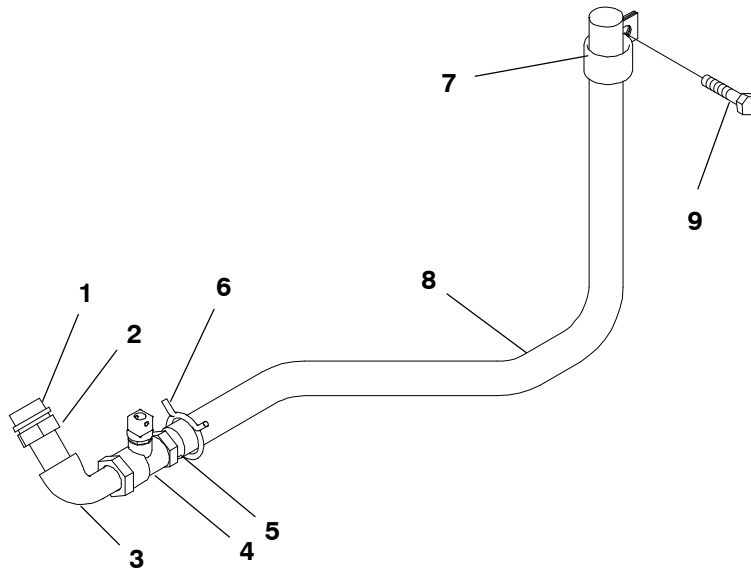
Oil Heater



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

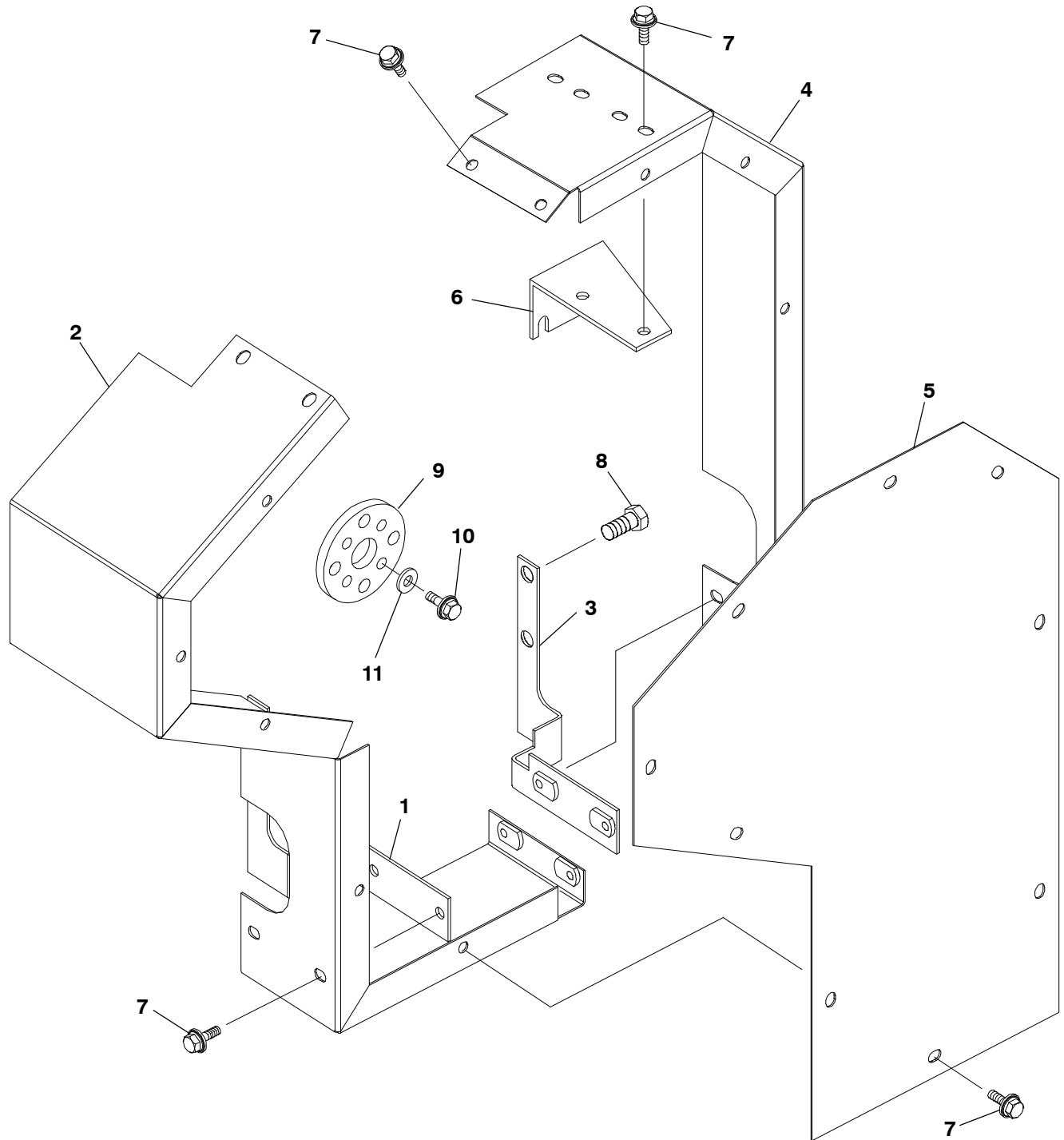
Oil Drain Extension



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	102-1147	1	Gasket, Oil Drain
2	102-1237	1	Adapter, Oil Drain
3	505-0050	1	Elbow, Street (1/2 NPT x 90°)
4	504-0011	1	Valve, Shutoff
5	502-0827	1	Hose, Barb (1/2 x 3/4)
6	503-0183	1	Clip, Hose – Corbin

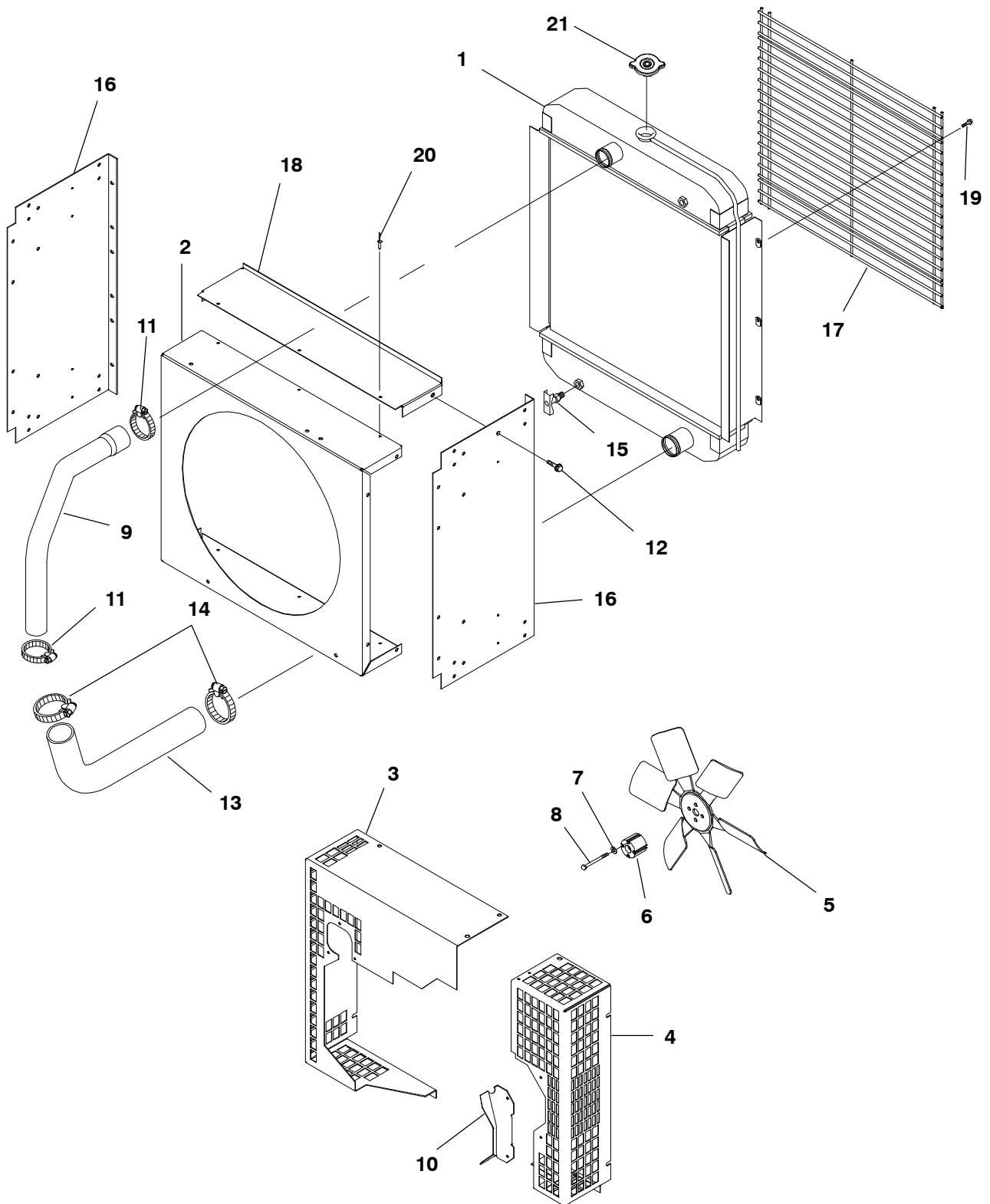
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
7	518-0548-02	1	Clamp, Hose
8	503-0191	–	Hose, Drain – Bulk (Order By The Foot – 2 Feet Required)
9	718-1073	1	Screw, Cap – Hex Head (M12 x 1.75 x 20)

Remote Radiator



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-4637	1	Bracket, Guard – Belt	8	718-1072	4	Screw, Cap – Hex Head (M12 x 20)
2	130-4639	1	Guard, Belt	9	3915490	1	Plate, Clamping
3	130-4636	1	Bracket, Guard – Belt	10	718-1037	4	Screw, Cap – Hex Head (M8 x 25)
4	130-4638	1	Guard, Belt	11	526-2106	4	Washer, Flat (M8)
5	130-4640	1	Cover, Guard – Belt				
6	130-4635	1	Bracket, Guard – Belt				
7	821-6003-02	19	Screw, Hex Head (M8 x 1.25 x 20)				

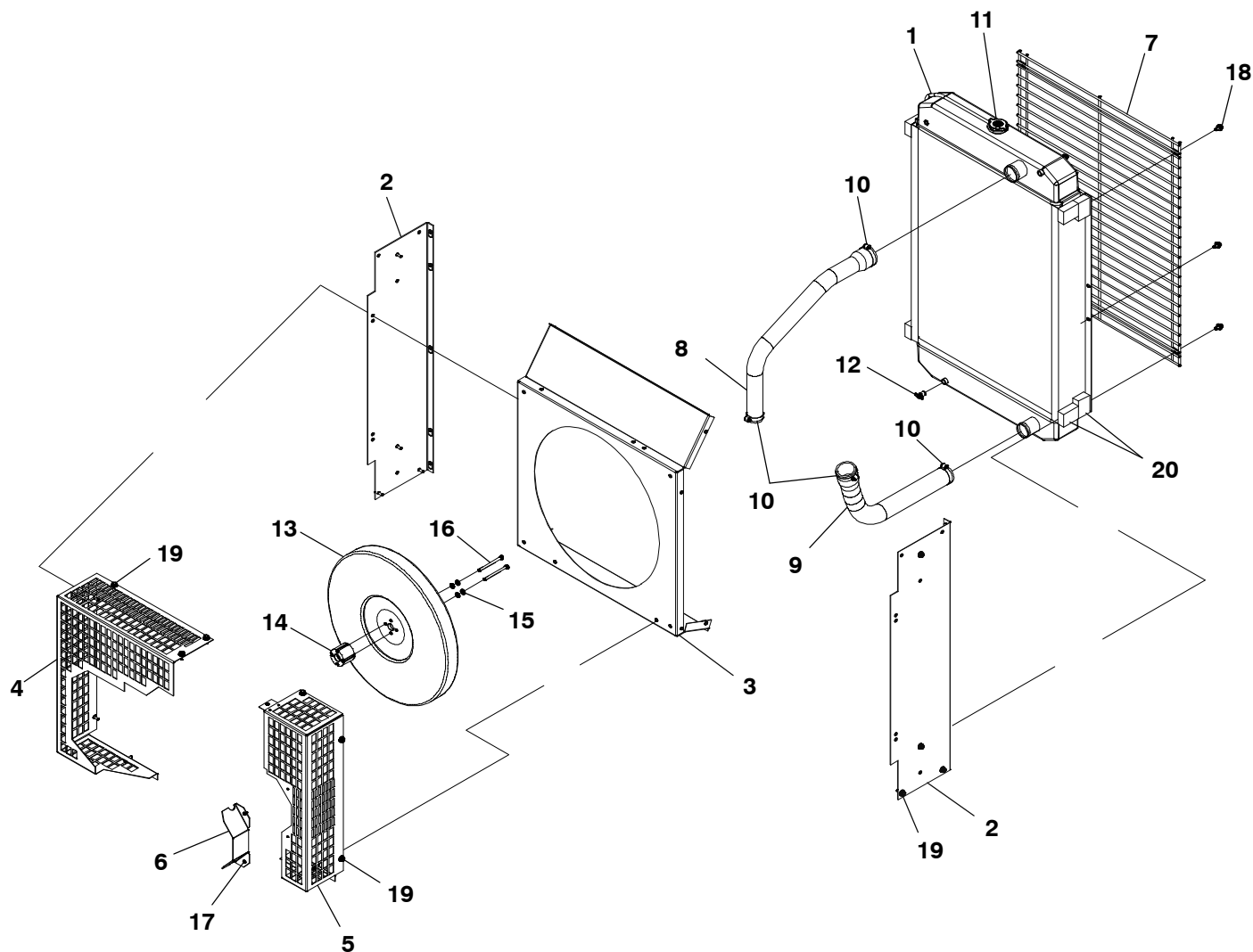
Radiator **DGDA, DGDB**



Radiator DGDA, DGDB

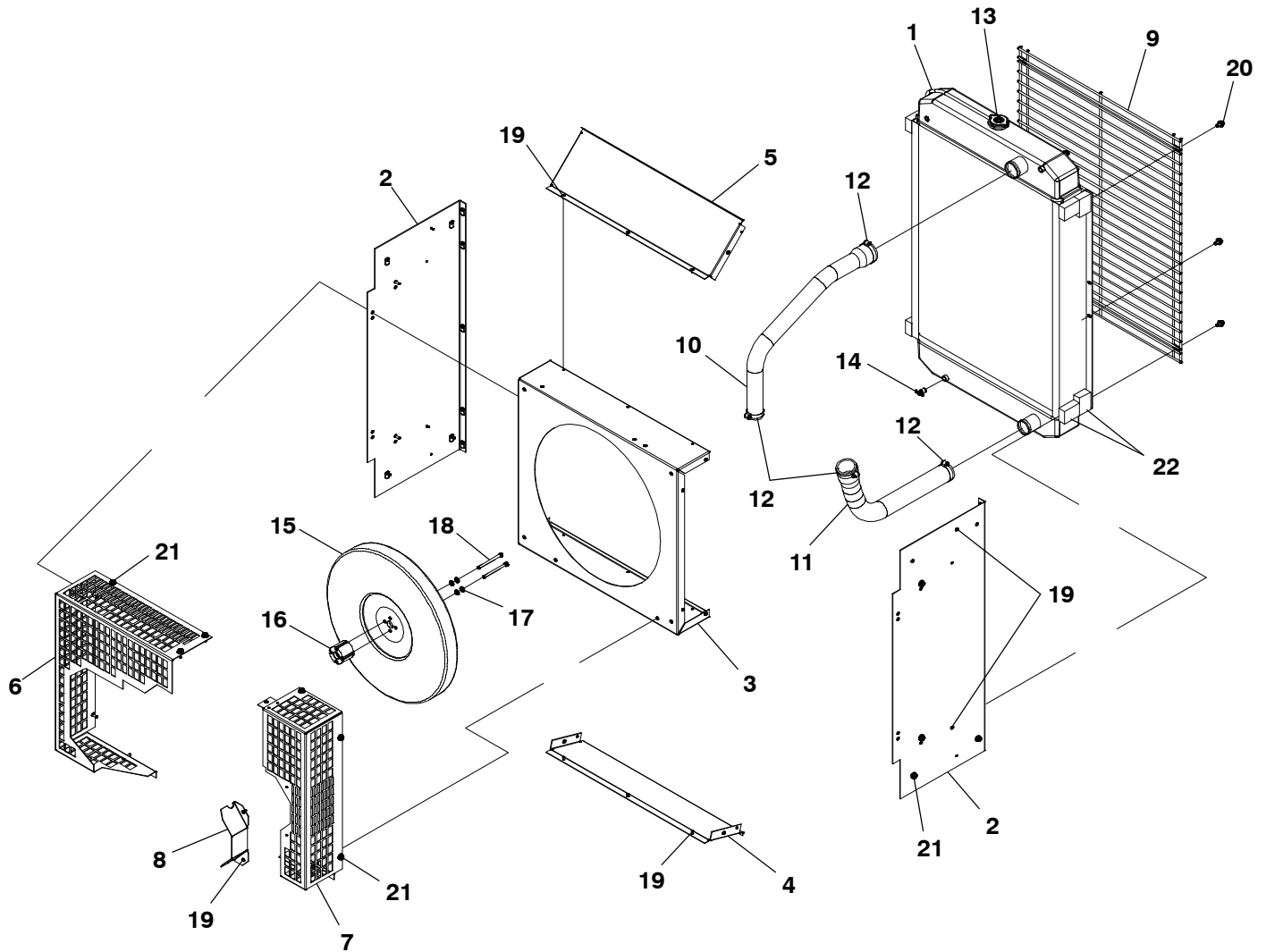
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Radiator	13			Hose, Radiator – Outlet
	130-4596-02	1	Standard – 2 Row Core		503-2069	1	Housing Compatible Skid
	130-4596-03	1	Enhanced – 3 Row Core		503-1929	1	Basic Skid
2	130-4757	1	Shroud	14	503-0465	2	Clamp, Hose
3	130-4600	1	Guard, Fan (RH)	15	504-0003	1	Cock, Drain
4	130-4756	1	Guard, Fan (LH)	16			Support, Side – Radiator
5	130-3080	1	Fan, Radiator		130-4731	2	Housing Compatible Skid
6	130-3082	1	Spacer, Fan		130-4759	2	Basic Skid
7	526-2100	4	Washer, Flat (M8)	17	130-4602	1	Grille – Basic Skid
8	800-2068	4	Screw, Cap – Hex Head (M8 x 1.25 x 65)	18	130-4737	2	Panel, Radiator Shroud – Housing Compatible Skid
9			Hose, Radiator – Inlet	19	821-6007-02	6	Screw, Hex Head (M8 x 1.25 x 20)
	503-2068-01	1	Housing Compatible Skid	20			Rivet, Pop
	503-2003-01		Basic Skid		818-0231-02	12	Housing Compatible Skid
10	130-4716	1	Guard, Alternator		818-0231-02	2	Basic Skid
11	503-0365	2	Clamp, Hose	21			Cap, Radiator
12	821-6003-02	18	Screw, SEMS – Hex Head (M8 x 1.25 x 65)		130-3721-01	1	With Overflow Bottle (15 PSI)
					130-1788	1	Without Overflow Bottle (15 PSI)

Radiator Short Skid – L097 DGDK



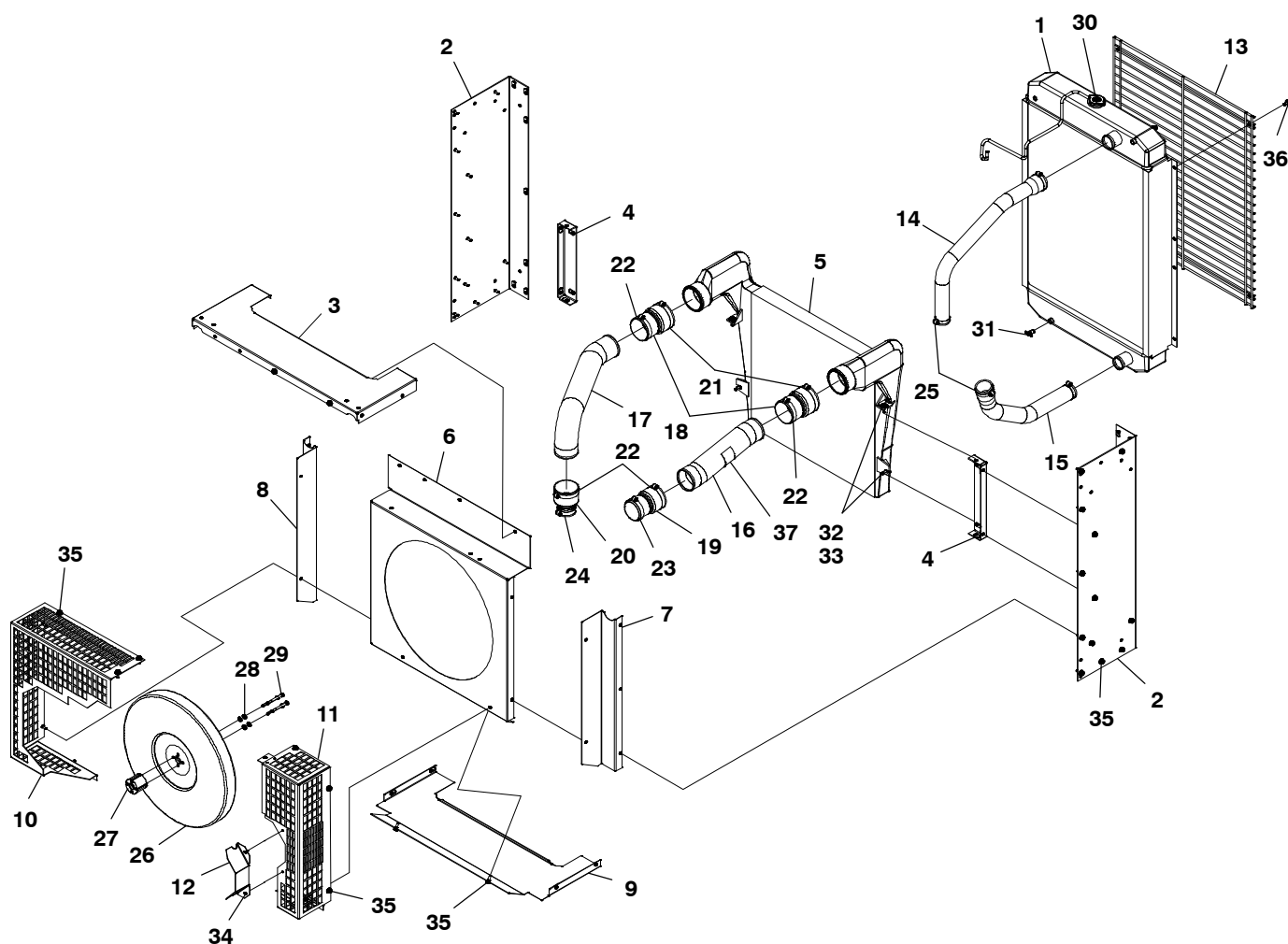
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-4691-01	1	Radiator (Includes Overflow Hose)	11	130-3721-01	1	Cap, Radiator (15 PSI)
	503-0276	-	Overflow Hose – Bulk (Order By The Foot – 5 Feet Required)	12	504-0003	1	Cock, Drain
2	130-5425-02	2	Support, Radiator (Side)	13	130-3080	1	Fan, Radiator
3	130-5460-02	1	Shroud	14	130-3082	1	Spacer, Fan
4	130-4600	1	Guard, Fan (Right)	15	526-2100	4	Washer, Flat (M8)
5	130-4756	1	Guard, Fan (Left)	16	800-2068	4	Screw, Cap – Hex Head (M8 x 1.25 x 65)
6	130-4716	1	Guard, Alternator	17	818-0231-02	2	Rivet, Pop
7	130-4735	1	Grille	18	821-6007-02	6	Screw, Hex Head (Stainless Steel) (M8 x 1.25 x 20)
8	503-2219-01	1	Hose, Radiator (Upper)	19	821-6003-02	18	Screw, Hex Head (M8 x 1.25 x 20)
9	503-2220-01	1	Hose, Radiator (Lower)	20	130-5285	2	Block, Air Bypass
10	503-1142	4	Clamp, Hose				

Radiator Standard Skid – L097 DGDK



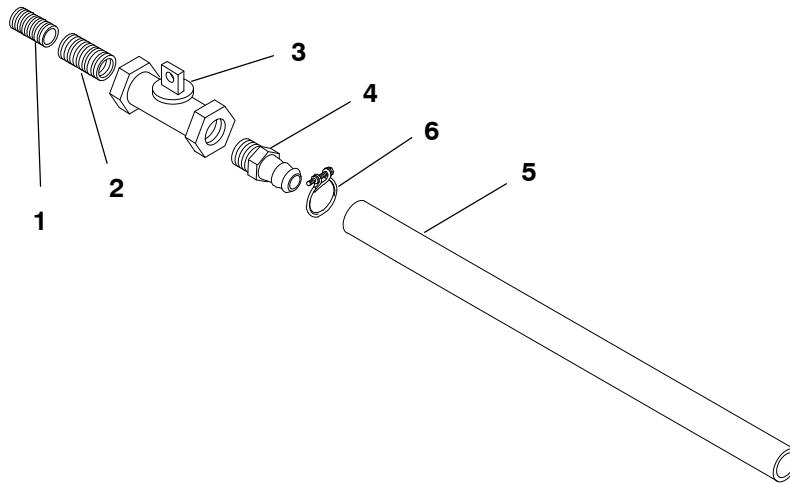
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-4691-01	1	Radiator (Includes Overflow Hose)	12	503-1142	4	Clamp, Hose
	503-0276	-	Overflow Hose – Bulk (Order By The Foot – 5 Feet Required)	13	130-3721-01	1	Cap, Radiator (15 PSI)
2	130-5424-02	2	Support, Radiator (Side)	14	504-0003	1	Cock, Drain
3	130-4757	1	Shroud	15	130-3080	1	Fan, Radiator
4	130-5427-02	1	Panel, Shroud (Bottom)	16	130-3082	1	Spacer, Fan
5	130-5426-02	1	Panel, Shroud (Top)	17	526-2100	4	Washer, Flat (M8)
6	130-4600	1	Guard, Fan (Right)	18	800-2068	4	Screw, Cap – Hex Head (M8 x 1.25 x 65)
7	130-4756	1	Guard, Fan (Left)	19	818-0231-02	12	Rivet, Pop
8	130-4716	1	Guard, Alternator	20	821-6007-02	6	Screw, Hex Head (Stainless Steel) (M8 x 1.25 x 20)
9	130-4735	1	Grille (Unhoused Sets)	21	821-6003-02	18	Screw, Hex Head (M8 x 1.25 x 20)
10	503-2219-01	1	Hose, Radiator (Upper)	22	130-5285	2	Block, Air Bypass
11	503-2220-01	1	Hose, Radiator (Lower)				

Radiator L098 DGDK



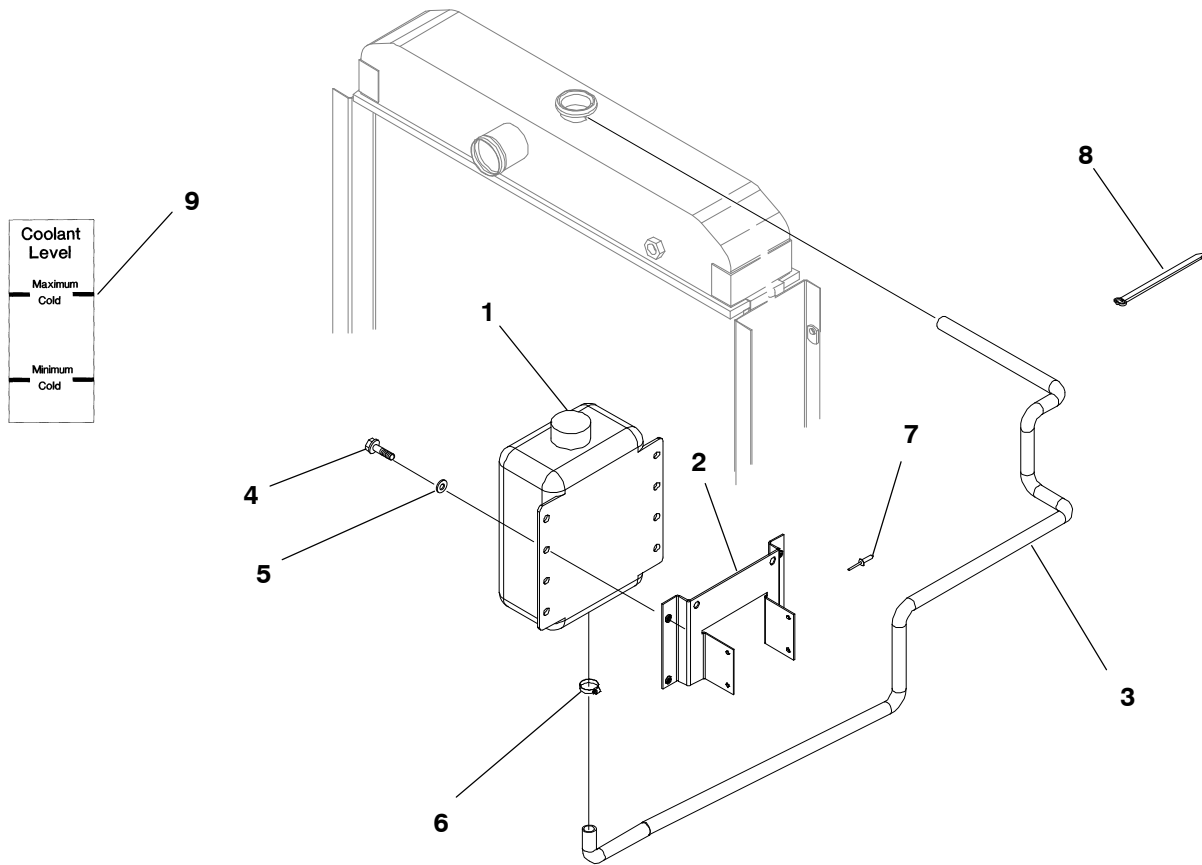
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-4691-01	1	Radiator (Includes Overflow Hose)	20	502-1464	1	Connector, Tube
	503-0276	-	Overflow Hose - Bulk (Order By The Foot - 5 Feet Required)	21	503-1872-07	2	Clamp, Hose
2	130-4694	2	Housing, Side	22	503-1872-06	4	Clamp, Hose
3	130-4700	1	Cover, Shroud - Top	23	503-1872-05	1	Clamp, Hose
4	130-4699	2	Bracket, Charge Air Cleaner	24	503-1872-04	1	Clamp, Hose
5	154-3021	1	Cooler, Charge Air	25	503-1142	4	Clamp, Hose
6	130-5702-02	1	Shroud, Fan (CAC)	26	130-3080	1	Fan, Radiator
7	130-5703-02	1	Shroud, Fan (CAC - Left)	27	130-3082	1	Spacer, Fan
8	130-5734-02	1	Shroud, Fan (CAC - Right)	28	526-2100	4	Washer, Flat (M8)
9	130-5733-02	1	Shroud, Fan (CAC - Bottom)	29	800-2068	4	Screw, Cap - Hex Head (M8 x 1.25 x 65)
10	130-4600	1	Guard, Fan (Right)	30	130-3721-01	1	Cap, Radiator (15 PSI)
11	130-4756	1	Guard, Fan (Left)	31	504-0003	1	Cock, Drain
12	130-4716	1	Guard, Alternator	32	526-0113	4	Washer, Flat (5/16)
13	130-4735	1	Grille (Unhoused Sets)	33	800-2515	4	Screw, Cap - Hex Head (M8 x 1.25 x 30)
14	503-2219-01	1	Hose, Radiator (Upper)	34	818-0231-02	2	Rivet, Pop
15	503-2220-01	1	Hose, Radiator (Lower)	35	821-6003-02	40	Screw, Hex Head (M8 x 1.25 x 20)
16	127-0444-02	1	Tube, Turbocharger	36	821-6007-02	6	Screw, Hex Head (Stainless Steel) (M8 x 1.25 x 20)
17	130-5737-02	1	Tube, Heat Exchanger	37	098-7451	1	Label, Caution
18	502-1292	2	Connect, Turbo Tube				
19	502-1294	1	Connect, Turbo Tube				

Radiator Drain



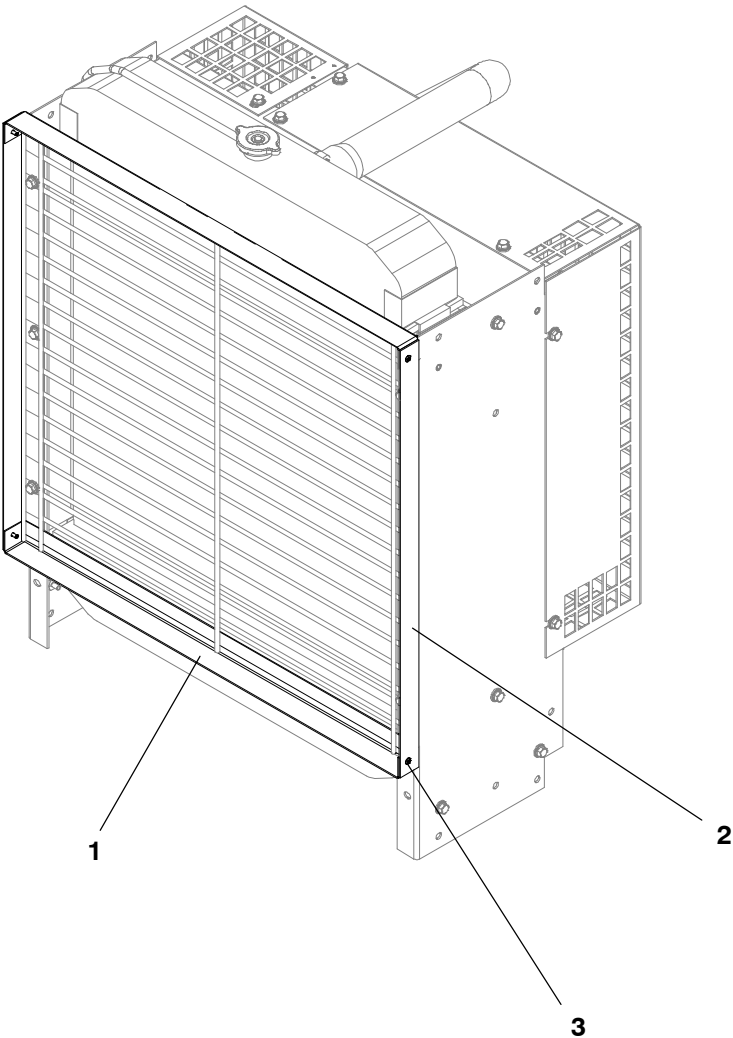
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Nipple, Pipe	3	504-0011	1	Valve, Shutoff (1/2)
	502-0085	1	DGDA, DGDB (3/8)	4	502-0827	1	Hose, Barb (1/2 x 3/4)
	502-0047	1	DGDK (1/4)	5	503-1195	1	Hose (24")
2			Bushing, Flush	6	503-0183	1	Clamp, Hose
	505-0117	1	DGDA, DGDB (3/8 x 1/2)				
	502-0029-04	1	DGDK (1/4 x 1/2)				

Overflow Bottle



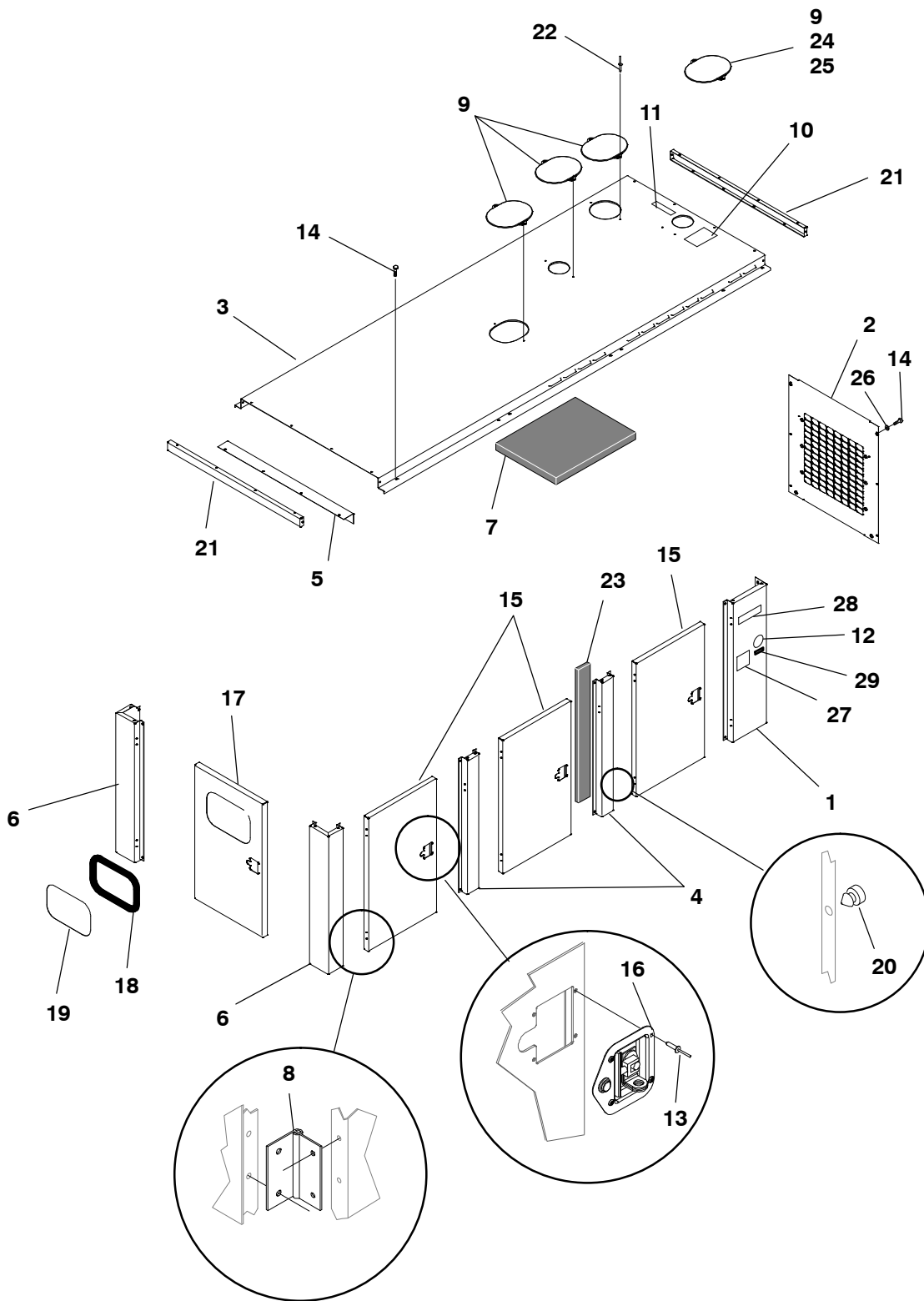
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-3984	1	Bottle, Overflow	5	526-0399-13	4	Washer, Flat
2	130-4750	1	Bracket, Bottle	6	503-0685	1	Clamp, Hose
3	503-0276	-	Hose, Overflow - Bulk (5/16" ID) (Order By The Foot - 6 Feet Required)	7	818-0231-02	4	Rivet, Pop
4	821-6002-03	4	Screw, Hex Head (M6 x 1 x 16)	8	332-1389	4	Tie, Cable
				9	098-7450	1	Label, Coolant

Duct Adapter



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	130-4623	2	Adapter, Duct - Side				

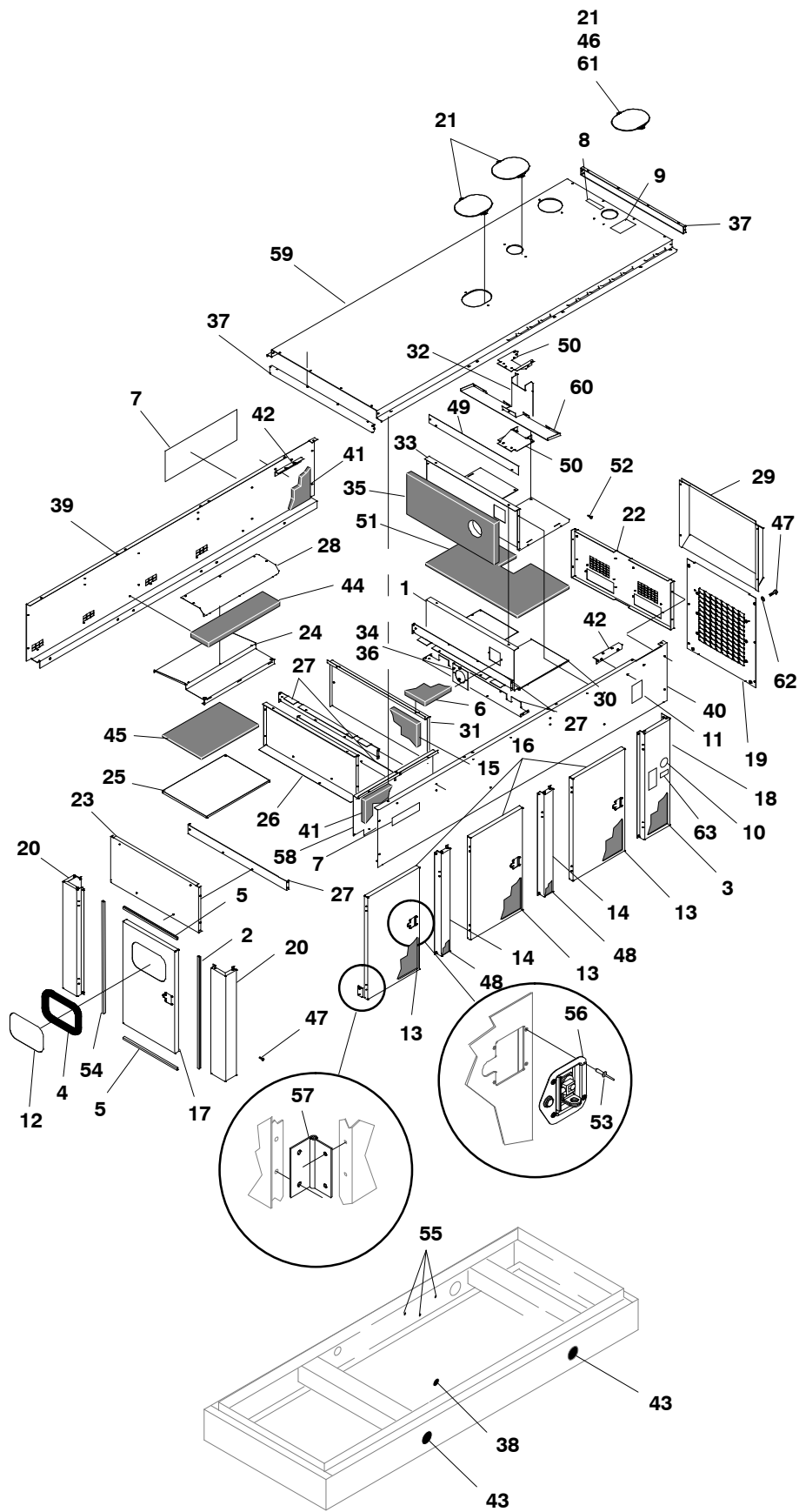
Housing Standard Weather Protective



Housing Standard Weather Protective

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-5908	2	Panel, Side – Radiator Housing		405-5902	1	Sets W/O Control Window
2	405-5910	1	Panel, Front – Radiator Housing	18	895-0363	–	Weatherstrip – Window – Bulk (Order By The Foot – 4 Feet Required)
3	405-5926	1	Roof				
4	405-5744	4	Post, Housing – Center	19	319-2653	1	Window, Control (If Equipped)
5	405-5915	1	Angle, Roof	20	895-0382	14	Bumper, Door
6	405-5916	2	Post, Corner – Housing	21	405-5917	2	Panel, End – Roof
7	128-0154-02	1	Insulation, Foam	22	818-0237-01	6	Rivet, Pop (1/8)
8	406-0831	14	Hinge, Door	23	128-0154-01	1	Insulation, Foam
9	155-3238	3	Cover, Exhaust	24	870-0504	2	Nut, Captive Floating (M6 x 1.0)
10	098-4730	1	Label, Warning	25	821-6006-01	2	Screw, Hex Head (M6 x 16)
11	098-5429	1	Label, Coolant Fill	26	526-0451	2	Washer, Flat – Stainless Steel (M8)
12	098-4500	2	Label, Prototype Tested	27	098-4732	2	Label, Warning
13	818-0231-02	98	Rivet, Pop (3/16)	28	098-7902-03	2	Label, Logo
14	821-6007-02	36	Screw, Hex Head (M8 x 1.25 x 20)	29	098-7868	1	Label
15	405-5832	6	Door, Housing	30	406-0782	1	Key
16	406-0972-01	7	Latch, Door				
17			Door, Housing				
	405-5903	1	Sets With Control Window				

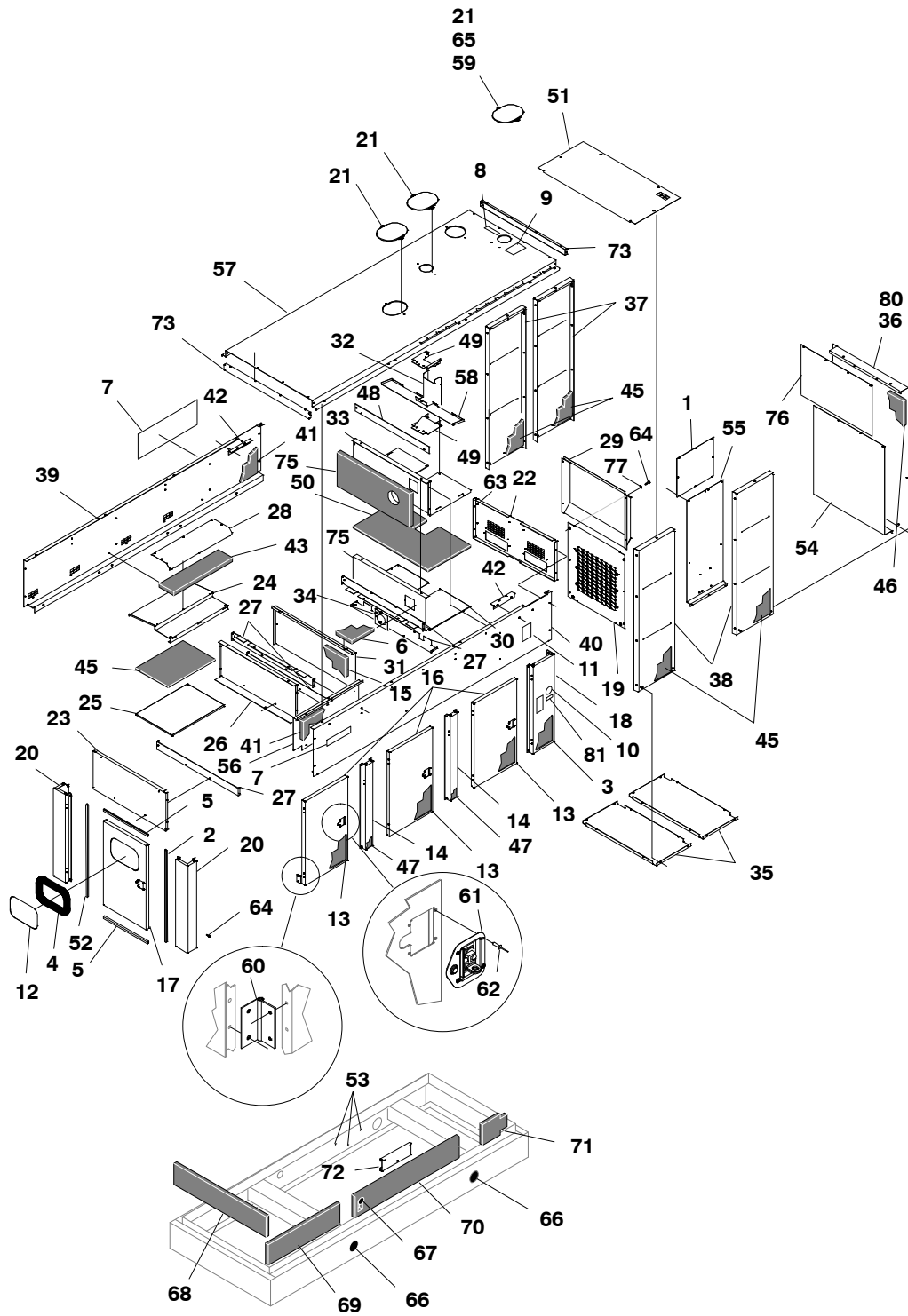
Housing Quiet Site First Stage



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	31	405-8307	3	Retainer, Insulation
2	895-0385	7	Weather Seal – Side	32	405-5963	1	Fill Neck – Radiator
3	405-6000-06	2	Insulation	33	405-5966	1	Box, Muffler
4	895-0363	–	Weather Strip – Window – Bulk (Order By The Foot – 4 Feet Required)	34	405-5986	1	Cover, Exhaust Inlet
5	895-0384	14	Weather Seal – Top & Bottom	35	405-6109	1	Insulation
6	405-6001-01	2	Insulation	36	526-0011	2	Washer, Flat
7	098-7902-03	2	Label, Logo	37	405-5917	2	Panel, End – Roof
8	098-5429	1	Label, Coolant Fill	38	517-0138-07	2	Plug
9	098-4730	1	Label, Caution	39	405-5950	1	Extension, Side – RH
10	098-4500	2	Label, Prototype Tested	40	405-5951	1	Extension, Side – LH
11	098-7451	2	Label, Caution	41	405-5997	2	Insulation
12	319-2653	1	Window, Control	42	405-5998	2	Support, Muffler
13	405-5734	6	Insulation, Door	43	517-0322	4	Plug
14	405-5744	4	Post, Housing – Center	44	405-6000-02	2	Insulation
15	405-5841	3	Fiberglass	45	405-6000-03	2	Insulation
16			Door, Housing	46	821-6006-01	2	Screw, Hex Head (M6 x 16)
	405-5902	6	Sets W/Control Window	47	821-6007-02	54	Screw, Hex Head (M8 x 20)
	405-5902	7	Sets WO/Control Window	48	405-6001-02	4	Insulation
17	405-5903	1	Door W/Window Cutout	49	405-6002	1	Barrier, Air Flow
18	405-5908	2	Panel, Side – Radiator Housing	50	405-6003	2	Box, Radiator Fill
19	405-5910	1	Panel, Front – Radiator Housing	51	405-6005	1	Insulation
20	405-5916	2	Post, Corner – Housing	52	818-0237-01	39	Rivet (1/8)
21	155-3238	3	Cover, Exhaust	53	818-0231-02	164	Rivet (3/16)
22	405-5952	1	Extension, Front	54	895-0386	7	Weather Seal
23	405-5953	1	Extension, Rear	55	517-0131	3	Plug
24	405-5954	2	Baffle, Air	56	406-0972-01	7	Latch, Door
25	405-8304	2	Retainer, Insulation	57	406-0831	14	Hinge, Door
26	405-5956	1	Duct, Support	58	405-8311	2	Retainer, Insulation
27	405-5957	5	Angle, Support	59	405-5926	1	Roof
28	405-8305	2	Retainer, Insulation	60	405-5959	1	Baffle, Recirculation – Muffler
29	405-6035	1	Baffle, Air – Discharge	61	870-0504	2	Nut, Captive Floating (M6 x 1.0)
30	405-8306	1	Retainer, Insulation	62	526-0451	4	Washer, Flat – Stainless Steel (M8)
				63	098-7868	1	Label

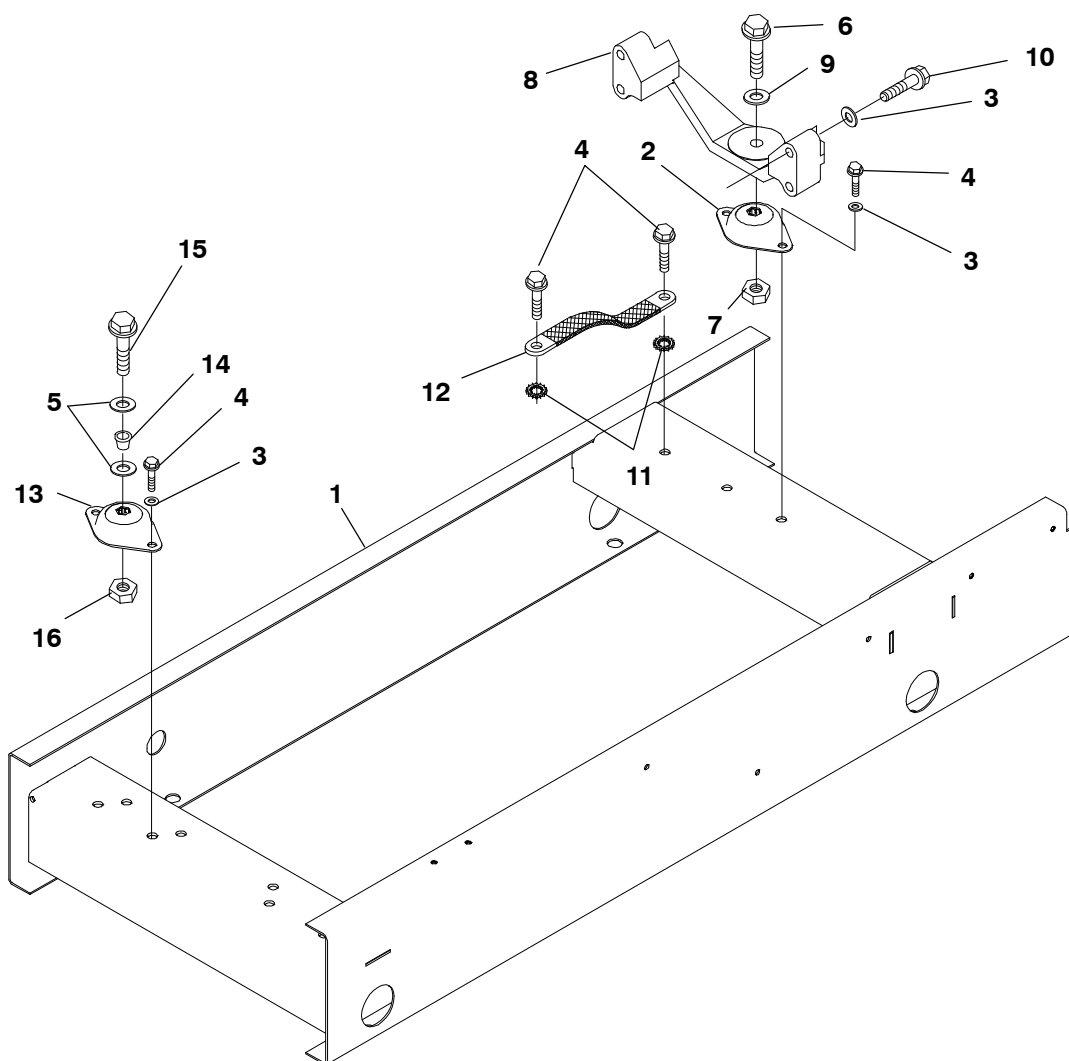
Housing Quiet Site Second Stage



Housing Quiet Site Second Stage

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-8308	2	Retainer, Insulation	39	405-5950	1	Extension, Side – RH
2	895-0385	7	Weather Seal – Side	40	405-5951	1	Extension, Side – LH
3	405-6000-06	2	Insulation	41	405-5997	2	Insulation
4	895-0363	–	Weather Strip – Window – Bulk (Order By The Foot – 4 Feet Required)	42	405-5998	2	Support, Muffler
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	2	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	53	405-6010	1	Cover, Discharge
14	405-5744	4	Post, Housing – Center	54	895-0386	7	Weather Seal
15	405-5841	3	Fiberglass	55	517-0131	3	Plug
16			Door, Housing	56	405-8308	1	Retainer, Insulation
	405-5902	6	Sets W/Control Window	57	405-6014	2	Retainer, Insulation
	405-5902	7	Sets WO/Control Window	58	405-8311	2	Retainer, Insulation
17	405-5903	1	Door W/Window Cutout	59	405-5926	1	Roof
18	405-5908	2	Panel, Side – Radiator Housing	60	405-5959	1	Baffle, Recirculation – Muffler
19	405-5910	1	Panel, Front – Radiator Housing	61	870-0504	2	Nut, Captive Floating (M6 x 1.0)
20	405-5916	2	Post, Corner – Housing	62	406-0831	14	Hinge, Door
21	155-3238	3	Cover, Exhaust	63	406-0972-01	7	Latch, Door
22	405-5952	1	Extension, Front	64	818-0231-02	162	Rivet (3/16)
23	405-5953	1	Extension, Rear	65	818-0237-01	69	Rivet (1/8)
24	405-5954	2	Baffle, Air	66	821-6007-02	86	Screw, Hex Head (M8 x 20)
25	405-8304	2	Retainer, Insulation	67	821-6006-01	2	Screw, Hex Head (M6 x 16)
26	405-5956	1	Duct, Support	68	517-0322	4	Plug
27	405-5957	5	Angle, Support	69	517-0138-07	2	Plug
28	405-8305	2	Retainer, Insulation	70	405-6923-03	2	Insulation
29	405-6035	1	Baffle, Air – Discharge	71	405-6923-04	2	Insulation
30	405-8306	1	Retainer, Insulation	72	405-6924	1	Insulation
31	405-8307	3	Retainer, Insulation	73	405-6925	2	Insulation
32	405-5963	1	Fill Neck – Radiator	74	405-6008	1	Adapter, Battery Tray
33	405-5966	1	Box, Muffler	75	405-6109	1	Insulation
34	405-5986	1	Cover, Exhaust Inlet	76	405-6132	2	Panel, End – Roof
35	405-8731-02	1	Bottom, Discharge	77	526-0011	2	Washer, Flat
36	405-5990	1	Cover, Air Discharge	78	405-8314	1	Insulation
37	405-5991-01	1	Side, Discharge – RH	79	405-8312	1	Retainer, Insulation
38	405-5991-02	1	Side, Discharge – LH	80	526-0451	4	Washer, Flat – Stainless Steel (M8)
				81	098-7868	1	Label

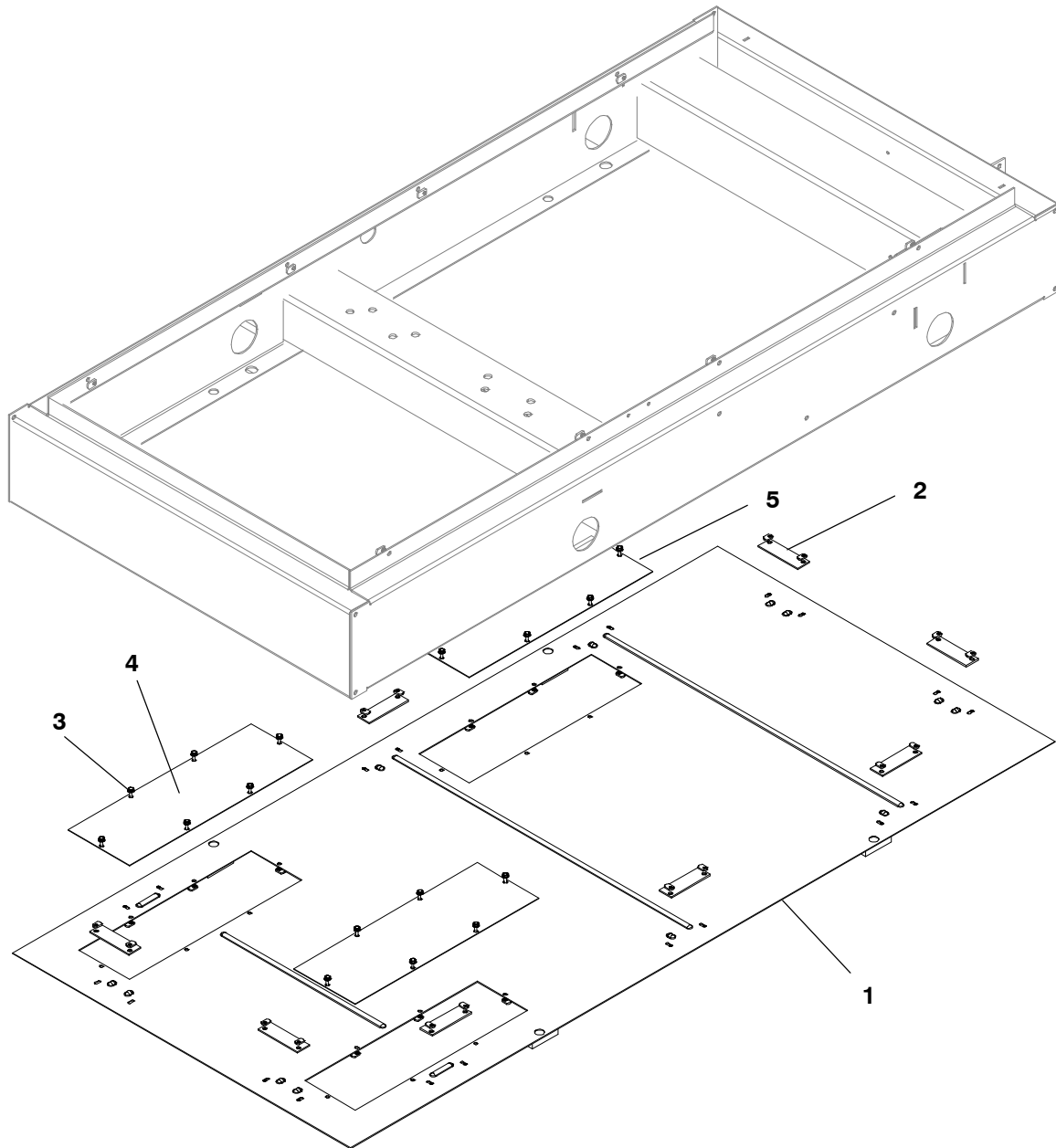
Skid



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Skid
	403-4185	1	Basic (F177)
	403-4155-05	1	Housing Compatible (F179)
2	402-0779-04	1	Cushion, Vibration Isolating
3	526-0433	10	Washer, Hardened (M12)
4	800-2543-02	8	Screw, Cap – Hex Head (M12 x 1.75 x 25)
5	526-0238-01	4	Washer (3/4)
6	800-0599-05	1	Screw, Cap – Hex Head (Grade 8) (5/8–11 x 2.00)
7	870-0547	1	Nut, Hex (5/8–11)

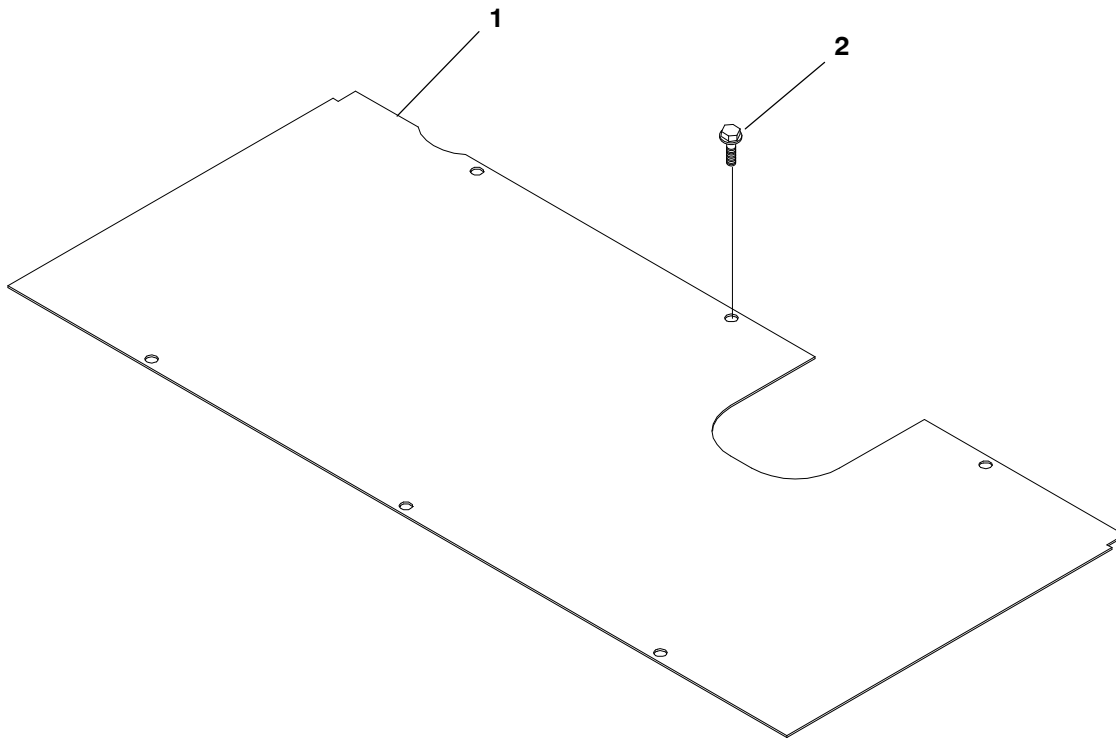
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
8	403-2567-01	1	Support, Engine
9	526-0259-02	1	Washer, Flat (5/8)
10	800-2121	4	Screw, Cap – Hex Head (M12 x 1.75 x 75)
11	856-0013	2	Washer, Lock – EIT (1/2)
12	337-0090	1	Strap, Ground
13	402-0779-05	2	Cushion, Vibration Isolating
14	517-0094	2	Plug, Plastic
15	800-0607	2	Screw, Cap – Hex Head (3/4–10 x 2)
16	862-0044	2	Nut, Hex (3/4–10)

Skid Pan



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	403-4183	1	Pan, Skid	4	403-4215	2	Cover, Stub up
2	403-4110	12	Clamp	5	403-4116	1	Cover, Stub up
3	821-6002-03	42	Screw, SEMS – Hex Head (M6 x 1 x 16)				

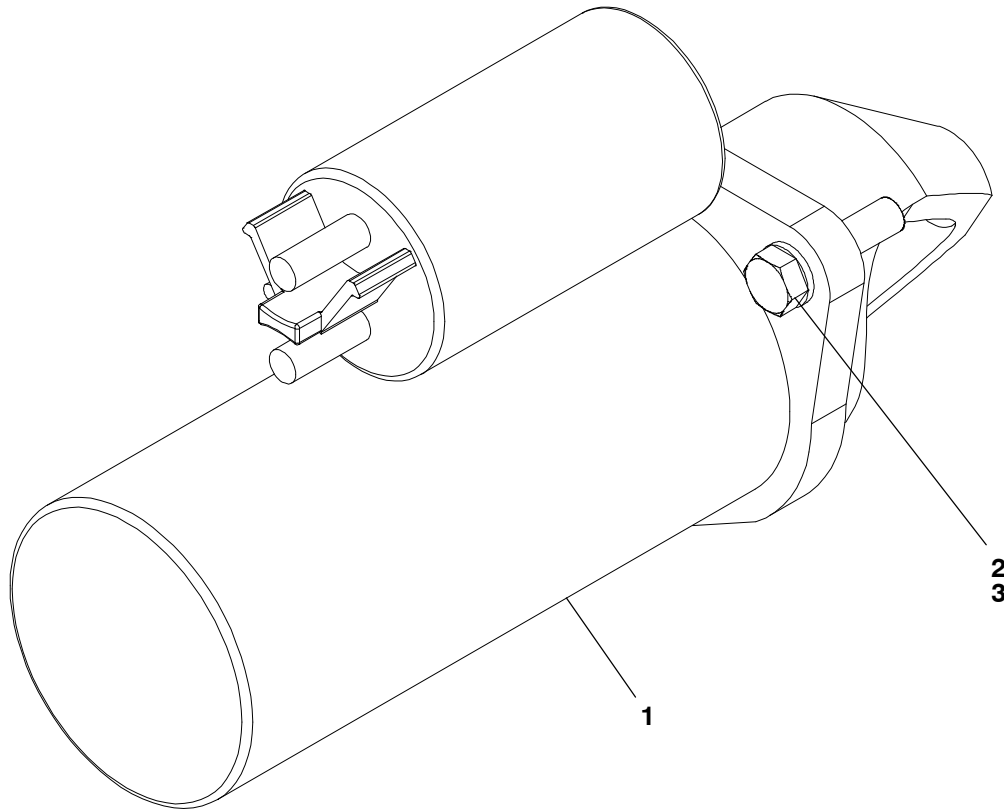
Sound Barrier



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)

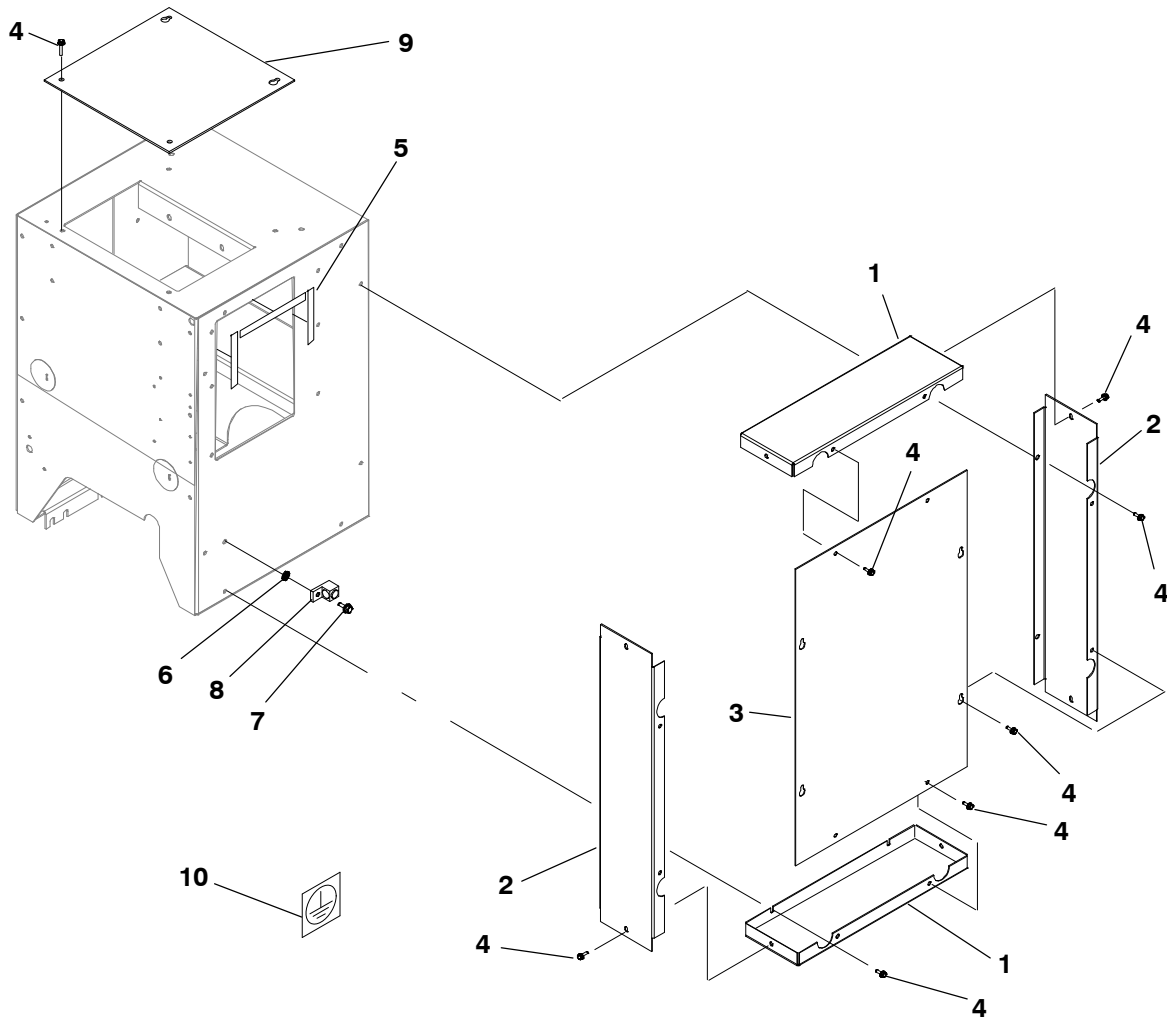
Starter



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	191-2346	1	Starter
2	850-2010	3	Washer, Lock (M10)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
3	800-2089	3	Screw, Cap – Hex Head (M10 x 40)

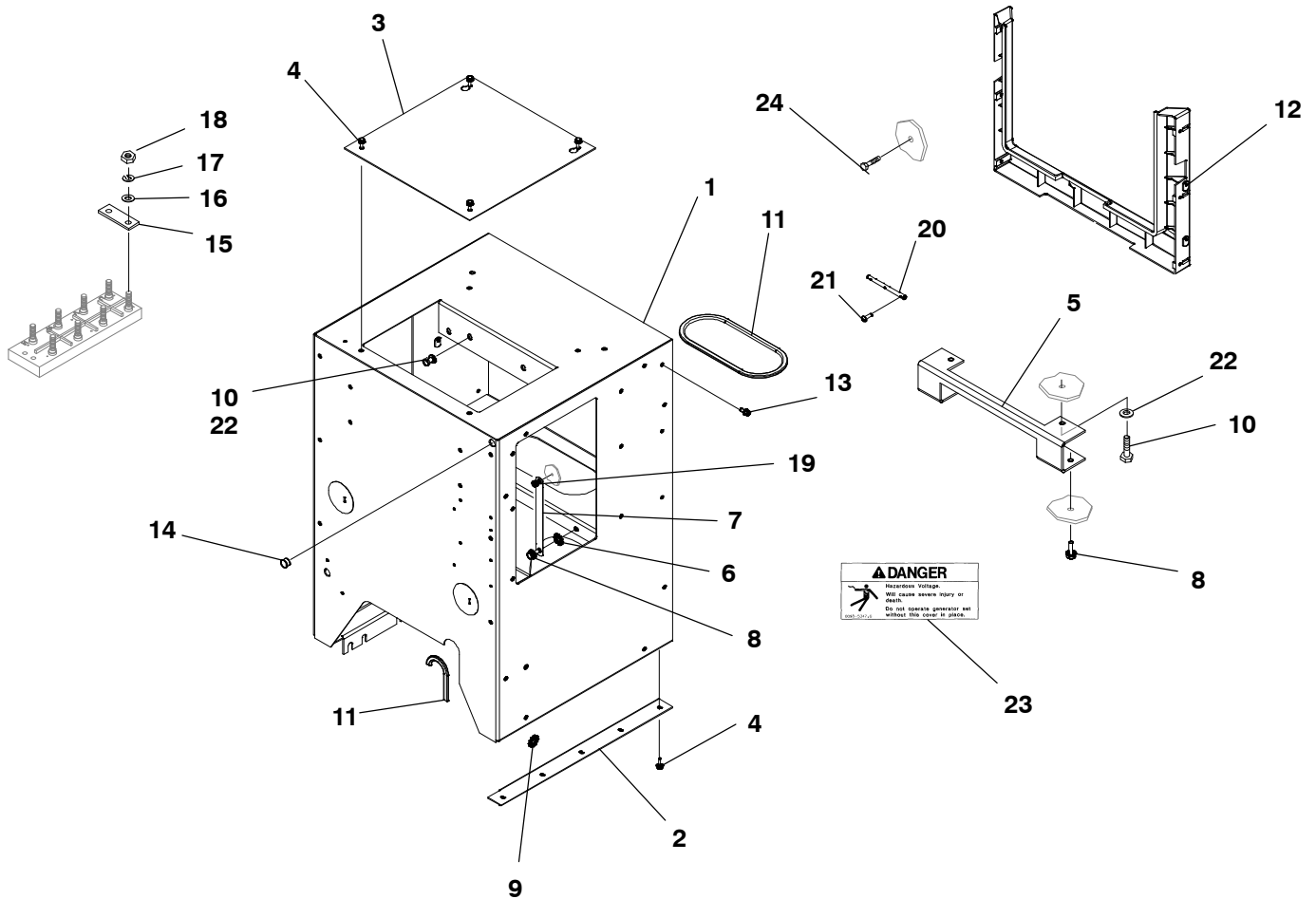
Entrance Box



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3072	2	Panel, Box – Top and Bottom
2	319-2978	2	Panel, Box – Side
3	319-2979-02	1	Cover, Entrance Box
4	821-6002-03	24	Screw, Self-Locking – Hex Washer Head (M6 x 1 x 16mm)
5	508-0239	–	Edging – Bulk (Order By The Foot – 2 Feet Required)

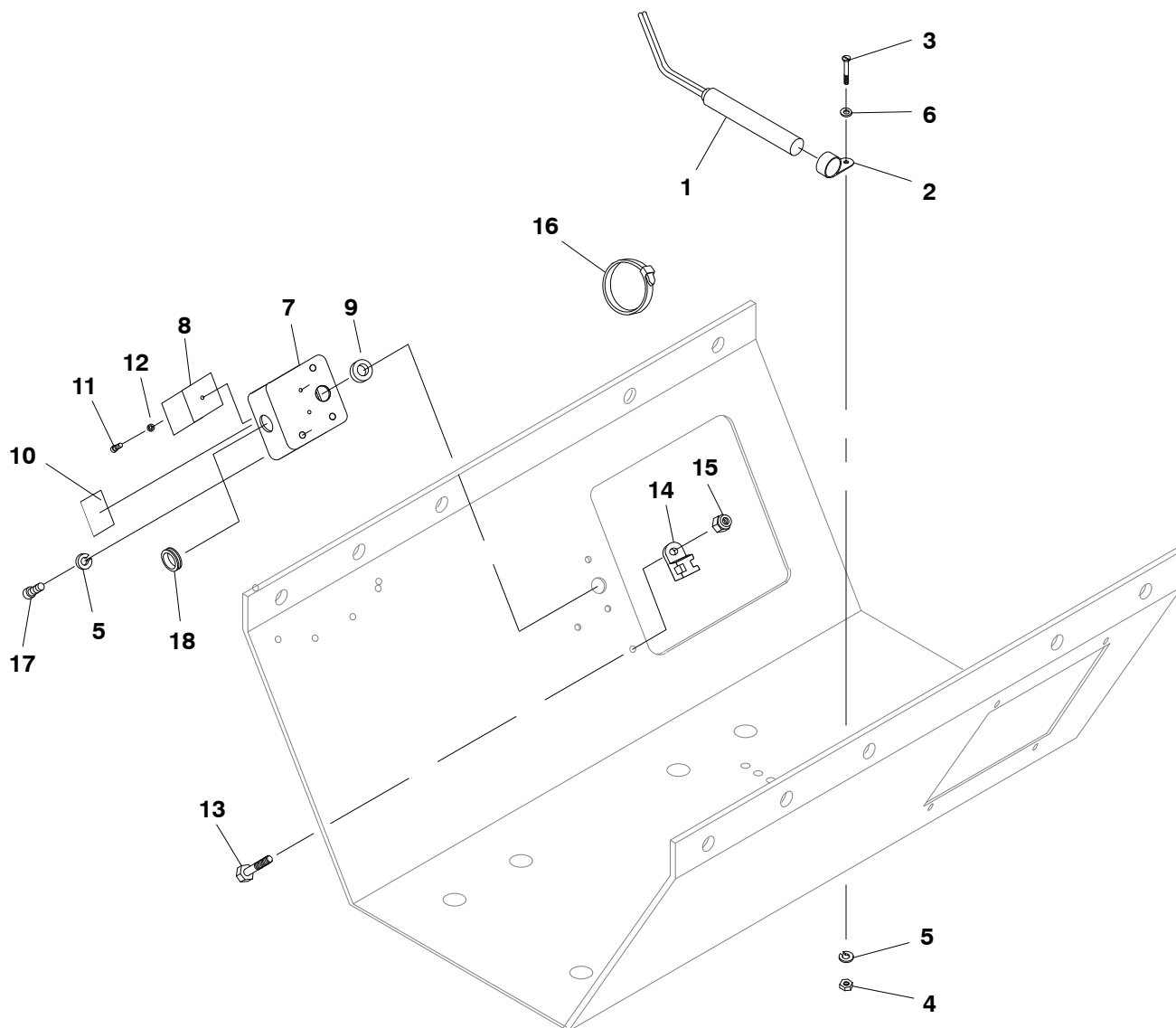
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
6	856-0008	1	Washer, Lock – EIT (5/16")
7	821-6003-02	1	Screw, Self-Locking – Hex Washer Head (M8 x 1.25 x 20mm)
8	332-1473	1	Lug, Solderless
9	319-2996	1	Cover, Control Housing
10	098-6537	1	Label, Ground

Control Housing



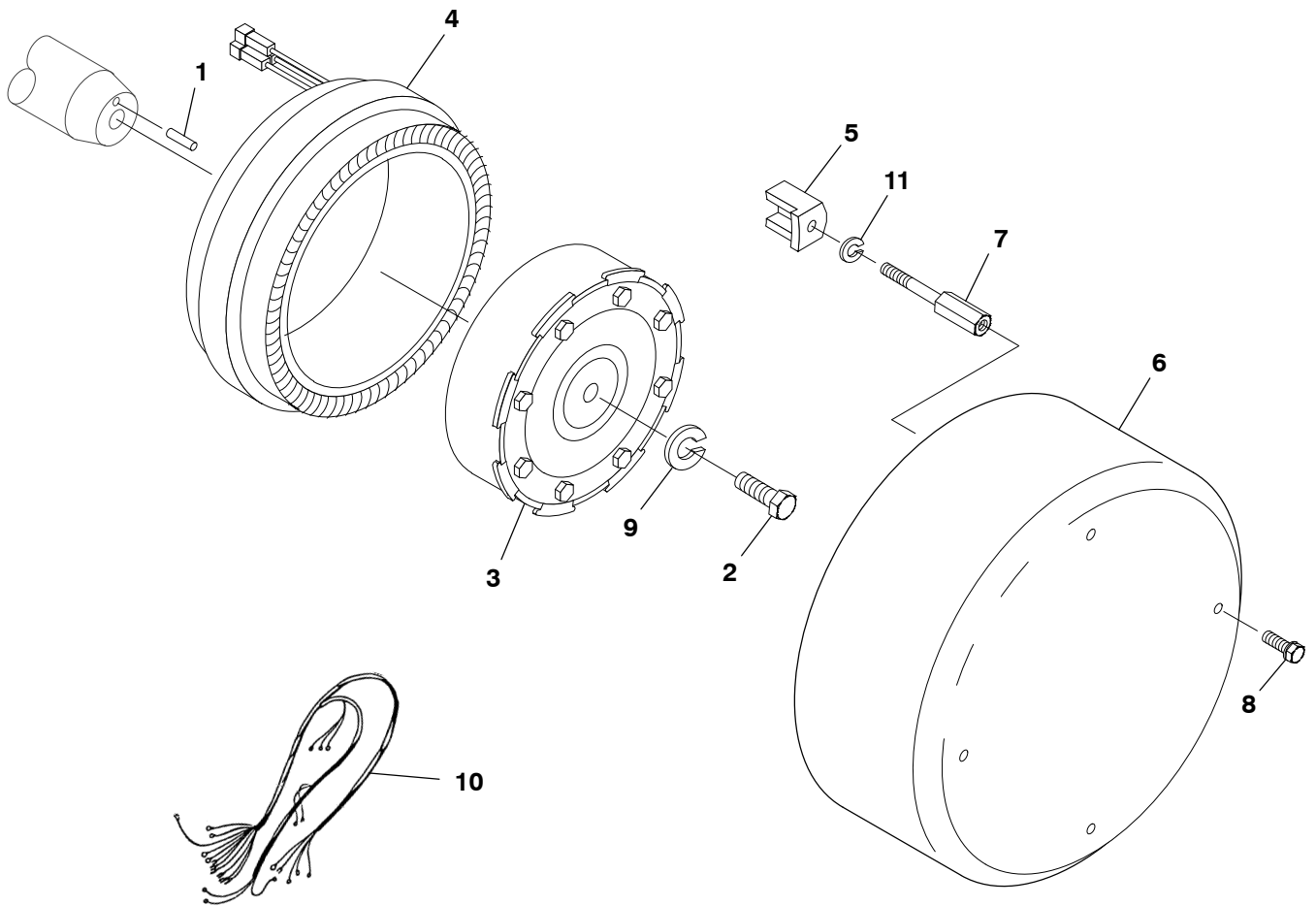
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3208	1	Panel, Housing – Control Sets With UCD22 Generator	10	800-2052	4	Screw, Cap – Hex Head (M8 x 1.25 x 12)
	319-2967	1	Sets With UC27 Generator	11	508-0305-02	–	Edging – Bulk (Order By The Foot – 3 Foot Required)
2	319-3207	1	Bracket, Control Mounting – Sets With UCD22 Generator	12	319-4457	1	Panel, Control
3	319-2996	3	Cover, Housing – Control Generator Sets Without Circuit Breaker or Entrance Box	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	821-6002-03	4	Screw, Hex Head (M6 x 16) 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	870-2056	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)
9	856-0012	1	Washer, Lock – W/EIT UCD22 (7/16)	22	526-2100	4	Washer, Flat (M8)
	856-0013	1	UC27 (1/2)	23	098-7244	1	Label, Danger
				24	821-6001-02	3	Screw, Hex Head

Generator Heater



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)
2	332-3024-11	2	220-260 Volt	12	850-2003	1	Washer, Lock (M3)
3	822-3075	6	Clamp, Loop	13	800-3034	1	Screw, Cap – Hex Head (M4 x .7 x 12)
4	860-2005	2	Screw, Pan Head (M4 x 16)	14	332-3228	1	Mount, Tie – Cable
5	850-2004	4	Nut, Hex (M4)	15	870-2064-01	1	Nut, Nylon
6	526-2050	2	Washer, Lock (M4)	16	332-1389	1	Tie, Cable
7	330-0142	1	Washer, Flat (M4)	17	815-0792-04	2	Screw, Countersunk – Pan Head (M4 x .7 x 12)
8	332-3023	1	Box, Terminal – Heater	18	517-0021	1	Plug, Dot – Button
9	508-0228	1	Block, Terminal				
			Grommet				

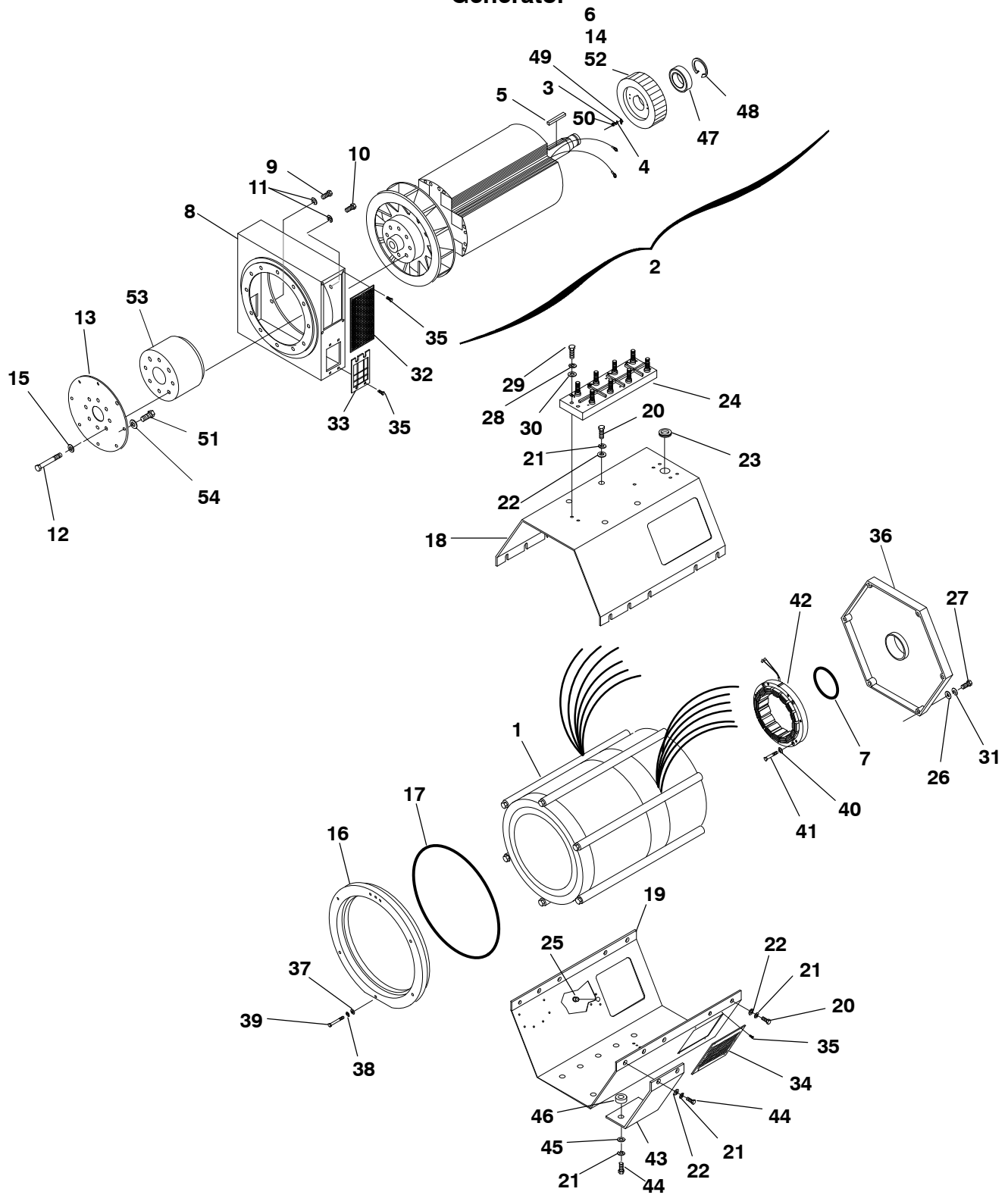
Permanent Magnet Generator



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	775-0049	1	Pin, Parallel
2	815-0761-01	1	Bolt, Mounting - PMG
3	201-3446	1	Rotor, PMG
4	220-4233	1	Stator, PMG
5	232-3972	4	Clamp, Stator
6	234-0875-02	1	Cover, End Bell

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
7	232-3462-02	4	Spacer, Cover
8	821-6001-01	4	Screw, Hex Head (M5 x 10)
9	850-2010	1	Washer, Lock (M10)
10	338-3011	1	Harness, PMG
11	850-2006	4	Washer, Lock (M6)

Generator

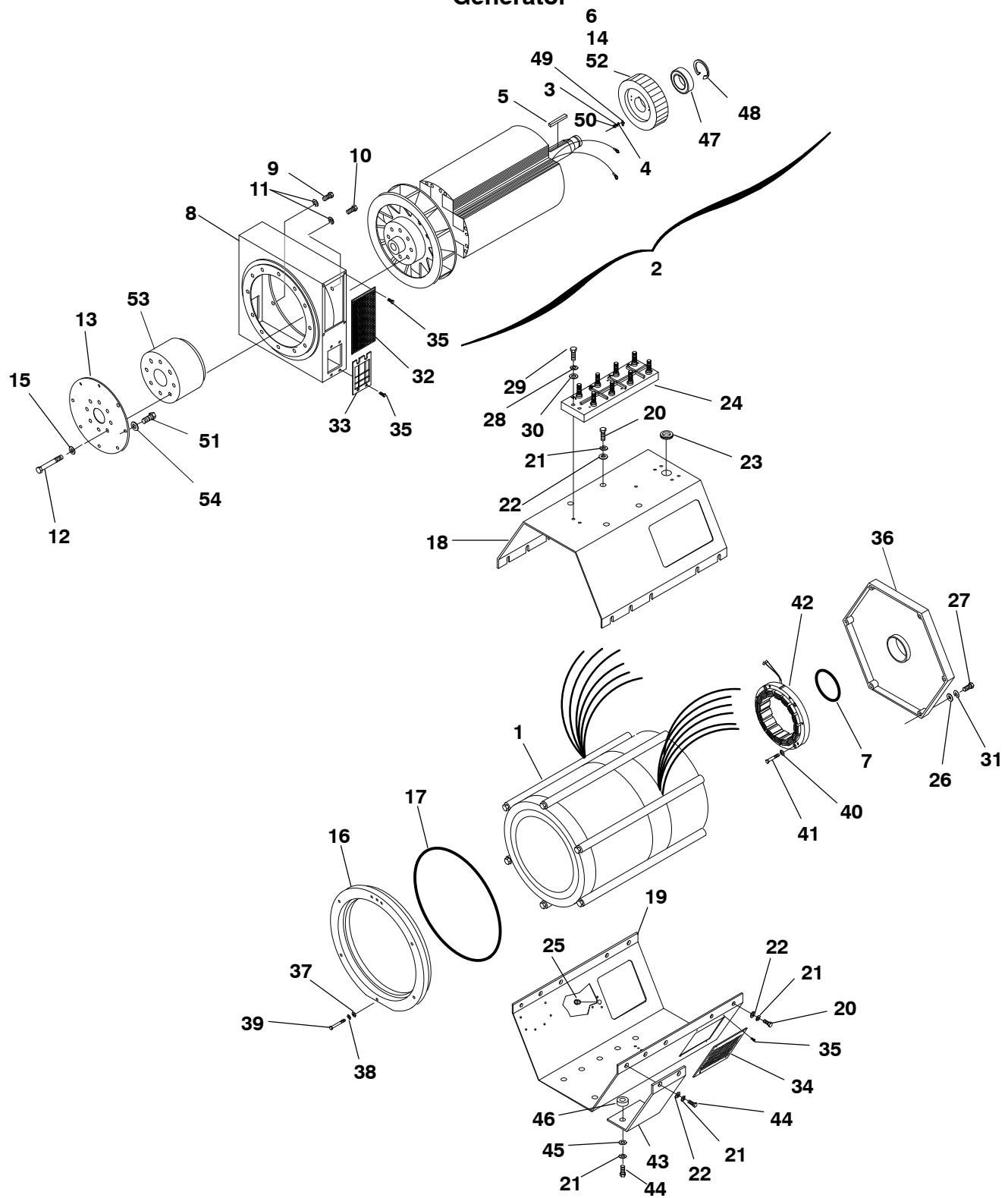


Generator

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	200-3031-15	1	Generator, Assembly		220-4448-20	1	DGDB
	200-3031-20	1	Generator, Assembly		220-4448-21	1	DGDK
	200-3031-30	1	Generator, Assembly				60 Hz, 12 Lead, Upper Broad Range Reconnectible, 125C
	200-3032-43	1	Generator, Assembly		220-4448-20	1	DGDA
	200-3032-44	1	Generator, Assembly		220-4448-15	1	DGDB
	200-3032-45	1	Generator, Assembly		220-4448-16	1	DGDK
	200-3032-46	1	Generator, Assembly				60 Hz, 12 Lead, Broad Range Reconnectible, Full 1 Phase, 105C
	200-3032-49	1	Generator, Assembly				
	200-3032-50	1	Generator, Assembly		220-4448-15	1	DGDA
	200-3032-51	1	Generator, Assembly		220-4448-17	1	DGDB
	200-3032-52	1	Generator, Assembly		220-4448-18	1	DGDK
	200-3032-53	1	Generator, Assembly				60 Hz, 4 Lead, 1 Phase, 105C
	200-3032-54	1	Generator, Assembly		220-4448-08	1	DGDA
	200-3032-55	1	Generator, Assembly		220-4448-10	1	DGDB
	200-3032-56	1	Generator, Assembly		220-4448-11	1	DGDK
	200-3032-57	1	Generator, Assembly				60 Hz, 3 Phase, 347/600 Volt, 105C
	200-3032-58	1	Generator, Assembly				
	200-3032-67	1	Generator, Assembly		220-4448-31	1	DGDA
	200-3032-68	1	Generator, Assembly		220-4448-32	1	DGDB
	200-3032-69	1	Generator, Assembly		220-4448-33	1	DGDK
1			Stator				60 Hz, 12 Lead, Lower Broad Range Reconnectible, 105C
			60 Hz, 12 Lead, Upper Broad Range Reconnectible, 150C				
	220-4447-15	1	DGDA				
	220-4448-14	1	DGDB		220-4448-19	1	DGDA
	220-4448-15	1	DGDK		220-4448-21	1	DGDB
			60 Hz, 3 Phase, 347/600 Volt, 150C		220-4448-22	1	DGDK
	220-4447-30	1	DGDA				50 Hz, 12 Lead, Broad Range Reconnectible, 150C
	220-4448-31	1	DGDB		220-4448-13	1	DGDA
	220-4448-33	1	DGDK		220-4448-16	1	DGDK
			60 Hz, 12 Lead, Lower Broad Range Reconnectible, 150C				50 Hz, 12 Lead, Upper Broad Range Reconnectible, 125C
	220-4447-20	1	DGDA		220-4448-13	1	DGDA
	220-4448-19	1	DGDB		220-4448-14	1	DGDB
	220-4448-21	1	DGDK		220-4448-16	1	DGDK
			60 Hz, 12 Lead, Upper Broad Range Reconnectible, 125C				50 Hz, 12 Lead, Broad Range Reconnectible, Full 1 Phase, 125C
	220-4448-13	1	DGDA		220-4447-14	1	DGDA
	220-4448-14	1	DGDB		220-4448-15	1	DGDB
	220-4448-15	1	DGDK		220-4448-18	1	DGDK
			60 Hz, 12 Lead, Broad Range Reconnectible, Full 1 Phase, 125C				50 Hz, 12 Lead, Broad Range Reconnectible, 105C
	220-4447-15	1	DGDA		220-4448-14	1	DGDA
	220-4448-16	1	DGDB		220-4448-15	1	DGDB
	220-4448-18	1	DGDK		220-4448-17	1	DGDK
			60 Hz, 4 Lead, 1 Phase, 125C				50 Hz, 12 Lead, Broad Range Reconnectible, Full 1 Phase, 105C
	220-4448-07	1	DGDA				
	220-4448-09	1	DGDB		220-4447-15	1	DGDA
	220-4448-10	1	DGDK		220-4448-16	1	DGDB
			60 Hz, 3 Phase, 347/600 Volt, 125C		220-4448-18	1	DGDK
	220-4447-30	1	DGDA				
	220-4448-32	1	DGDB				
	220-4448-33	1	DGDK				
			60 Hz, 12 Lead, Lower Broad Range Reconnectible, 125C				
	220-4447-20	1	DGDA				

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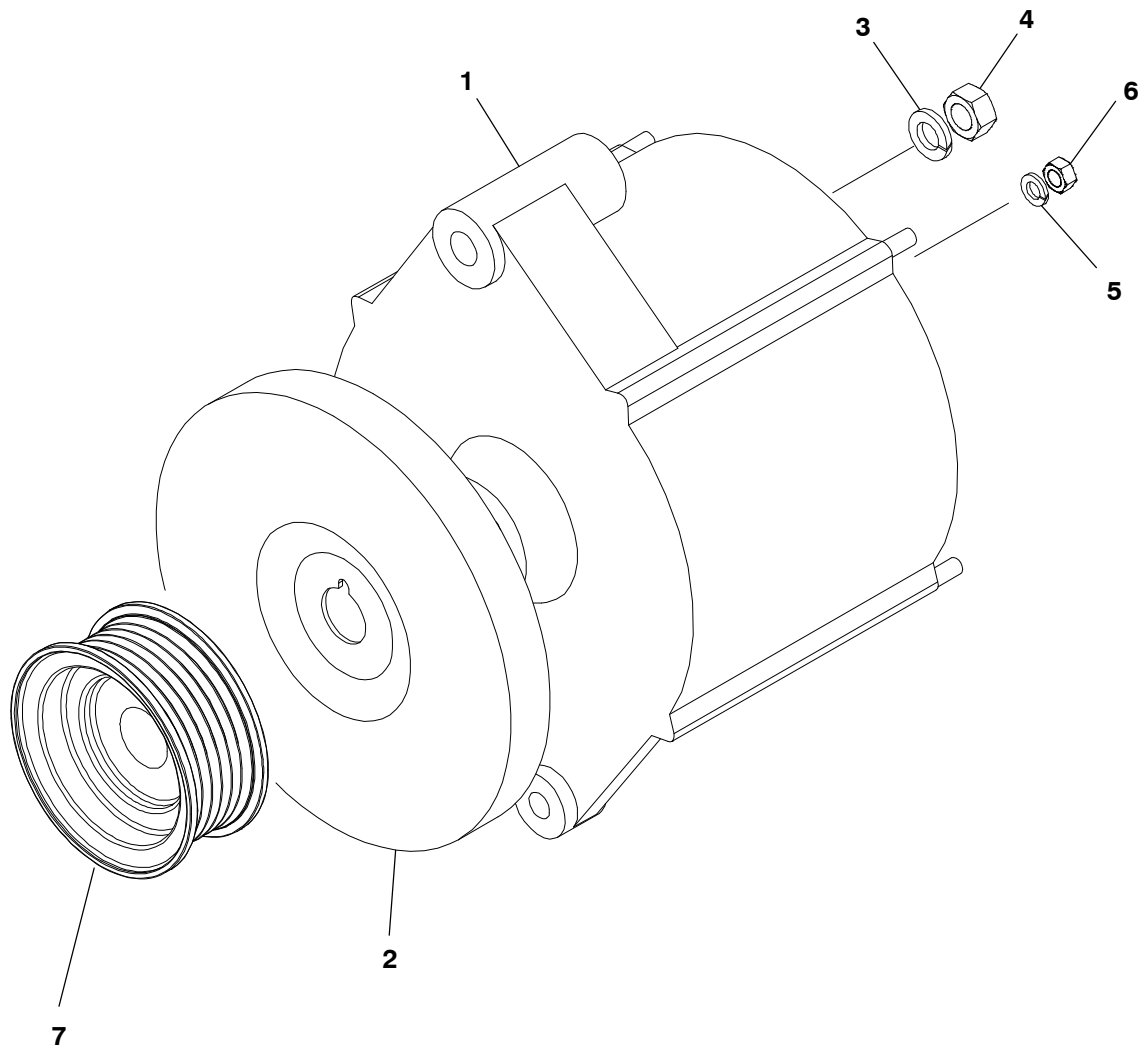
Generator



Generator

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
Continued...							
2			Rotor, Wound	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			Screw, Cap – Hex Head	38	850-0114-55	6	Washer, Lock (M10)
	720-1123	8	DGDA, DGDB (M16 x 60)	39	800-3017-38	6	Screw, Cap – Hex Head (M10 x 30)
	720-1119	8	DGDK (M16 x 40)	40	850-2006	4	Washer, Lock (M6)
13	232-3699	3	Disc, Drive – Generator	41	800-2046	4	Screw, Cap – Hex Head (M6)
14	357-0091	1	Rectifier – Forward	42			Stator, Wound – Exciter
15	526-0259	8	Washer, Flat		220-4293-05	1	UCD22, UC27 Core Length 40
16			Adapter, Stator		220-4293-06	1	UC27, UCD27 Core Length 60
	231-0319	1	UC27	43			Bracket, Mounting – Generator
	231-0374	1	UCD27		232-3940	2	UCD22
17	508-0139	A/R	Seal Edging – Bulk (786mm req.)		232-3925	2	UC27
18			Cover, Stator – Top	44	800-3017-56	8	Screw, Cap – Hex Head (M12)
	234-0936-03	1	UCD22	45	526-0399-64	8	Washer, Flat (M12)
	234-0937-01	1	UC27 Stack Length 165	46	232-3730-04	4	Spacer, Mounting Foot
	234-0937-02	1	UC27 Stack Length 190	47	510-0164	1	Bearing, Ball
	234-0937-03	1	UC27 Stack Length 230	48	518-0083	1	Ring, Split – External
	234-0937-04	1	UC27 Stack Length 285	49	304-0807	1	Varistor
	234-0937-05	1	UC27 Stack Length 335	50	860-2006	2	Nut, Hex (M5 x .8)
	234-0937-05	1	UCD27	51	805-0015	8	Bolt, Place (3/8-16 x .75)
19			Cover, Stator – Bottom	52	357-0092	1	Rectifier – Reverse
	232-3819-03	1	UCD22	53	232-3695	1	Hub, Drive – Generator (UC27 Generator)
	232-3820-01	1	UC27 Stack Length 165	54	526-0174	8	Washer, Flat (3/8)
	232-3820-02	1	UC27 Stack Length 190				
	232-3820-03	1	UC27 Stack Length 230				
	232-3820-04	1	UC27 Stack Length 285				
	232-3820-05	1	UC27 Stack Length 335				
	232-3820-05	1	UCD27				

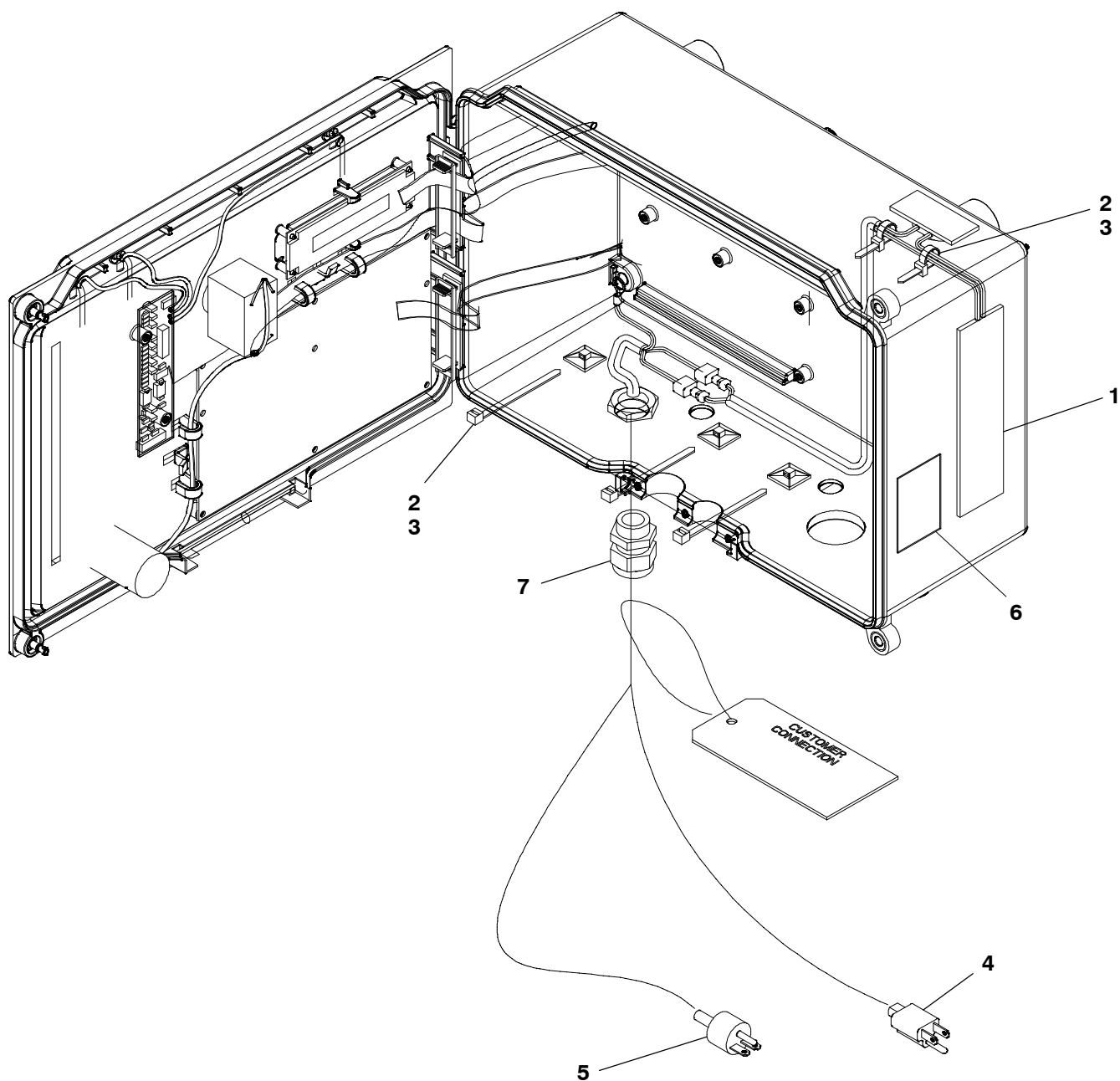
Alternator



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	191-2326-01	1	Alternator
2	191-2330	1	Fan, Alternator
3	850-2008	1	Washer, Lock (M8)
4	860-2008	1	Nut, Hex (M8 x 1.25)

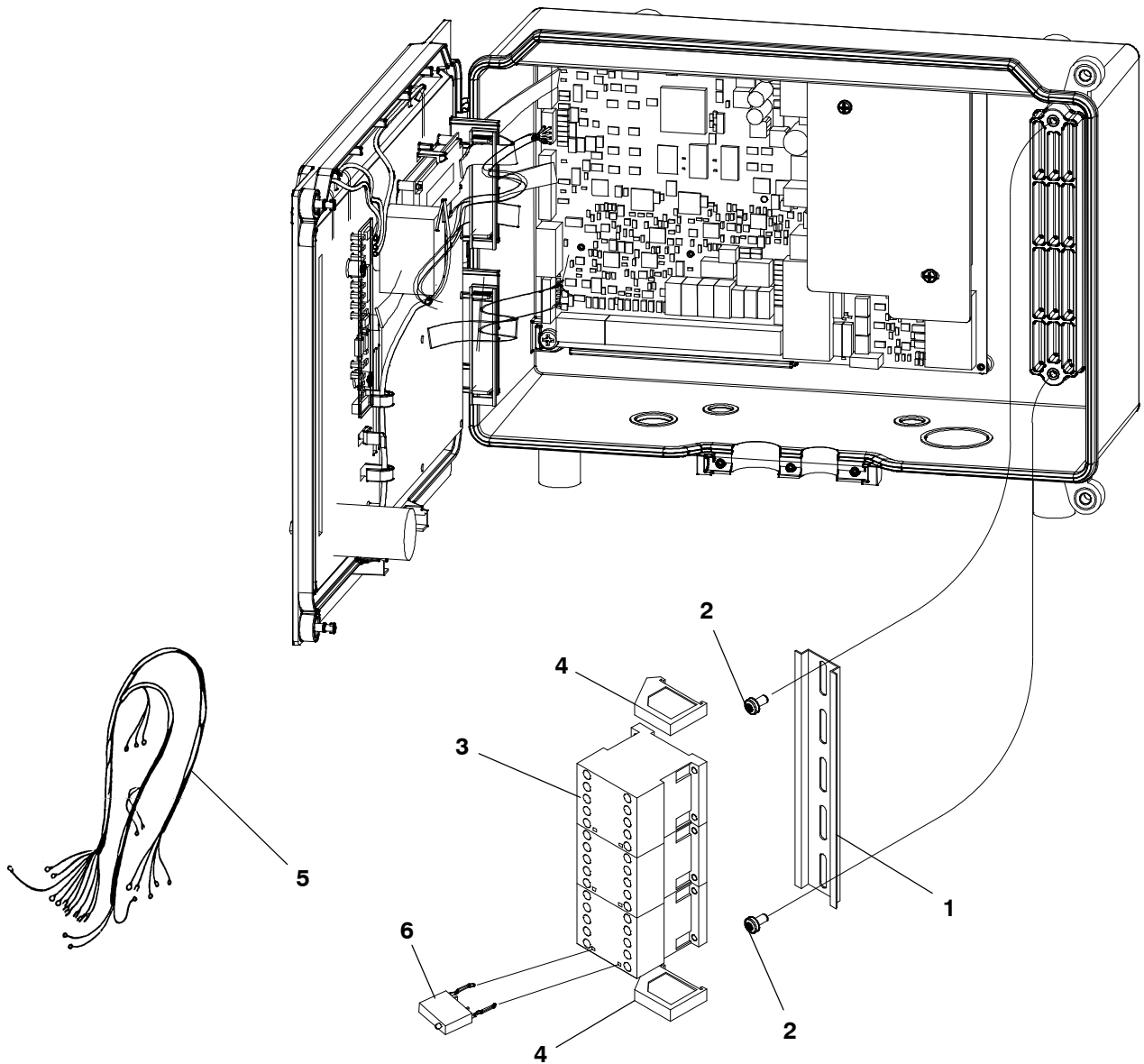
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
5	850-2005	2	Washer, Lock (M5)
6	860-2006	2	Nut, Hex (M5 x 0.8)
7	512-0229	1	Pulley, Alternator - 6 Groove

Control Heater



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	333-0661-01	1	Heater, Control 120V	5	335-0173-01	1	Cable, Control Heater – 240V
	333-0661-02	1	240V	6	098-6195	1	Label, Caution
2	332-2420	3	Mount, Cable Tie	7	323-2003-02	1	Strain Relief
3	332-0942	3	Tie, Cable				
4	335-0173	1	Cable, Control Heater – 120V				

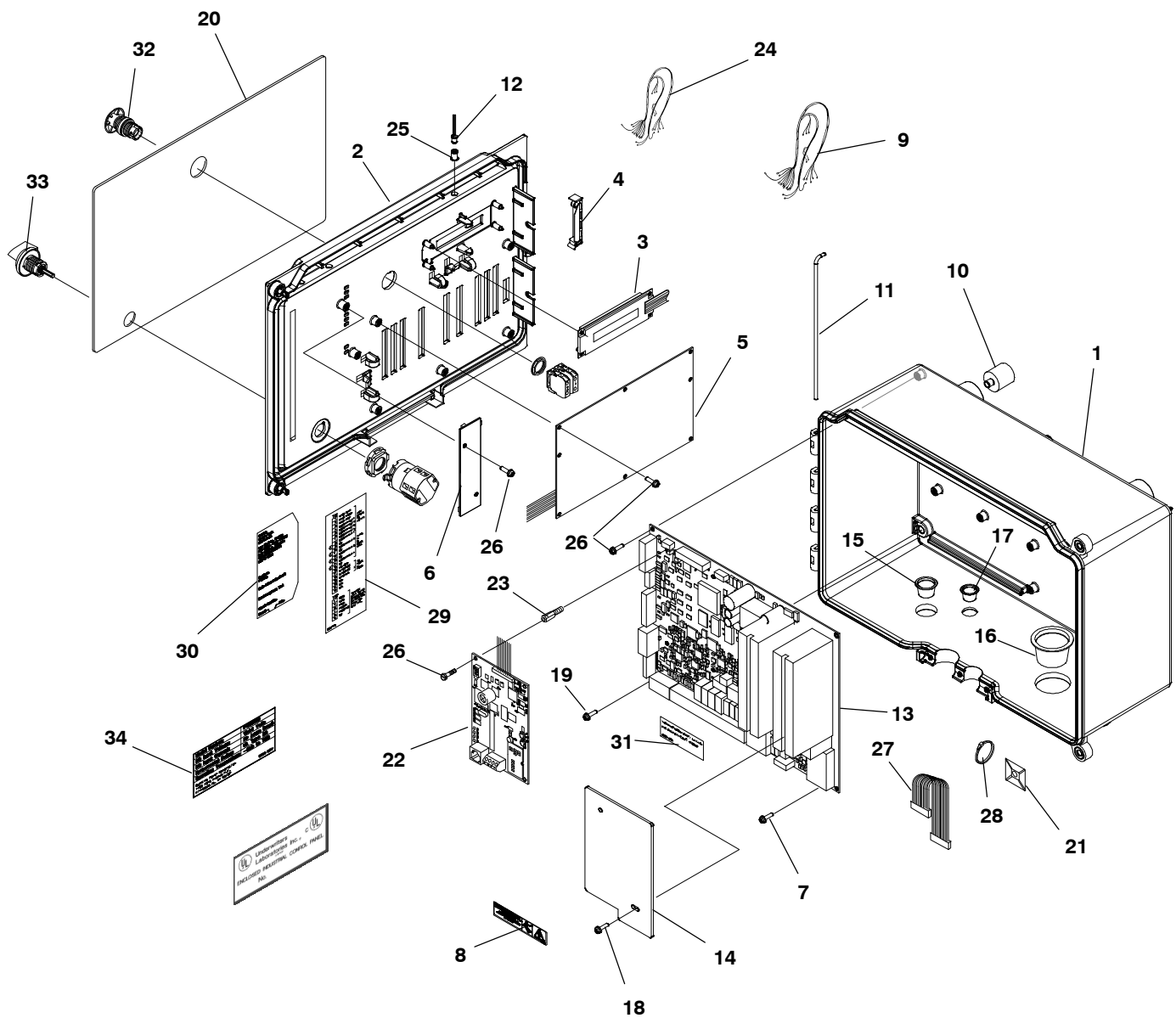
Control Relay



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	823-1006-02	2	Screw, Pan Head (M5)	5	338-4438	1	Harness, Relay
3	307-2873	3	Relay, Control - 12V (K10, K11, K12)	6	305-1009	3	Suppressor, Voltage

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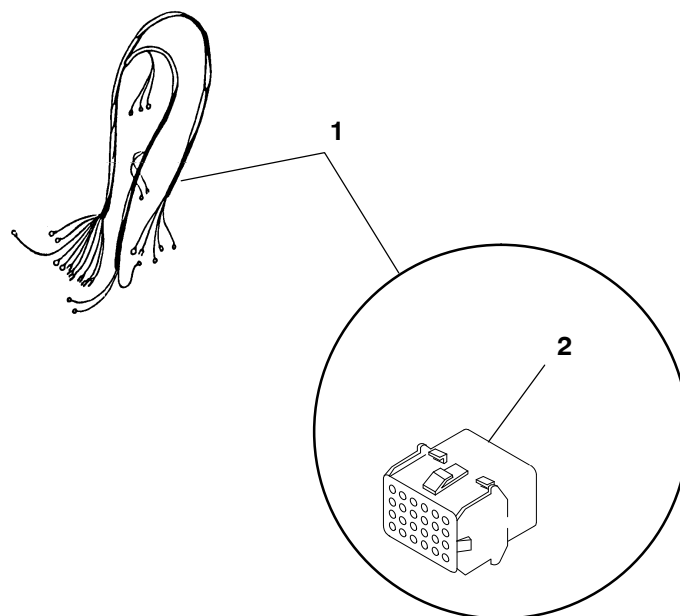
Control



Control

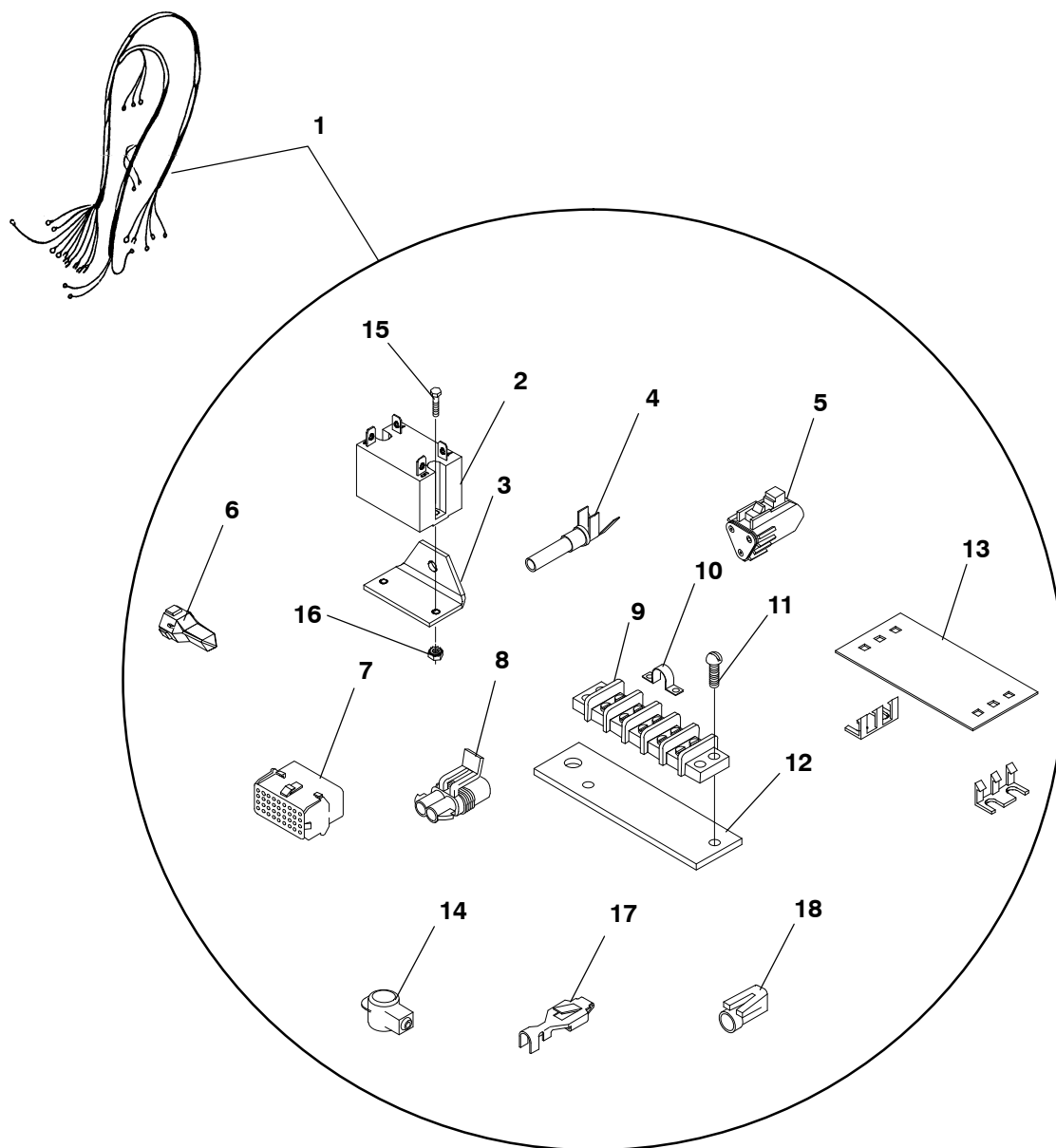
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-4487	1	Box, Control	19	819-1144	1	Screw, Pan Head – Cross Recessed (M6 x 8)
2	319-4488	1	Door Control	20			Panel, Membrane
3	300-5467	1	Display, Digital		300-5446	1	With Bargraph
4	332-3896	4	Clamp, Cable		300-5447	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	327-1379-02	1	Board, Printed Circuit – Base	27	335-0189	1	Cable, Ribbon
14	319-4497	1	Guard, Electrical	28	332-0942	3	Tie, Cable
15	517-0356	1	Plug, Hole (Fits 22.5mm DIA. Hole)	29	098-7918	1	Label, Information
16	517-0357	1	Plug, Hole (Fits 38mm DIA. Hole)	30	098-7961-01	1	Label, Information – Panel Insert
17	517-0355	2	Plug, Hole (Fits 16mm DIA. Hole)	31	098-7989	1	Label, Instruction – Torque
18	815-0792-02	2	Screw, Machine – Pan Head (M4 x 0.7 x 8)	32	308-0999	1	Switch, Emergency Stop
				33	308-1085	1	Switch, Selector
				34	098-8057	1	Label, Information – Rating

AC Wiring Harness



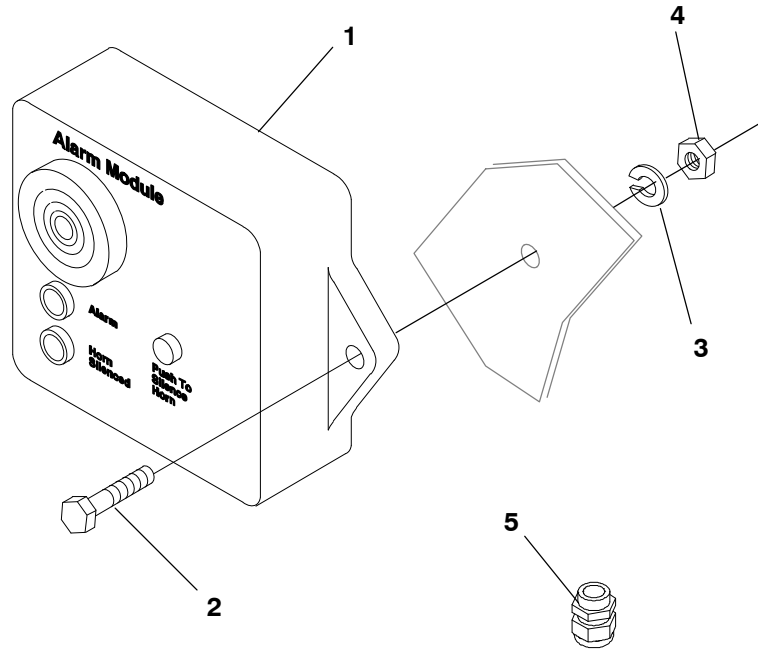
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Harness, Wiring – AC (Includes Plug)	2	323-1523	1	Plug, Connector (24 Place)
	338-4180	1	PMG				
	338-4185	1	Shunt				

Engine Wiring Harness



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-4191	1	Harness, Wiring – Engine to Control (Includes Parts Listed Below)	10	332-1043	4	Jumper
2	307-2968-03	1	Relay, Power	11	815-0538	2	Screw, Cross Recessed – Pan Head – W/ET (#8-32 x .50)
3	307-2982-02	1	Bracket, Relay	12	319-2006-05	1	Bracket, Terminal Mounting
4	323-1492	3	Socket, Contact	13	332-3792-01	1	Cover, Terminal Block (Includes Spring Clips)
5	323-1493	2	Connector, Plug	14	416-1021-03	1	Boot
6	323-1503	2	Wedge, Plug	15	812-0079	2	Screw (#8-32 x .5)
7	323-1525	1	Connector – 36 Pin	16	870-0221	2	Nut, Hex – W/ET (#8-32)
8	323-1755	2	Connector, Socket	17	323-1667	3	Socket, Terminal
9	332-0604	1	Block, Terminal	18	323-1666	1	Connector, Socket

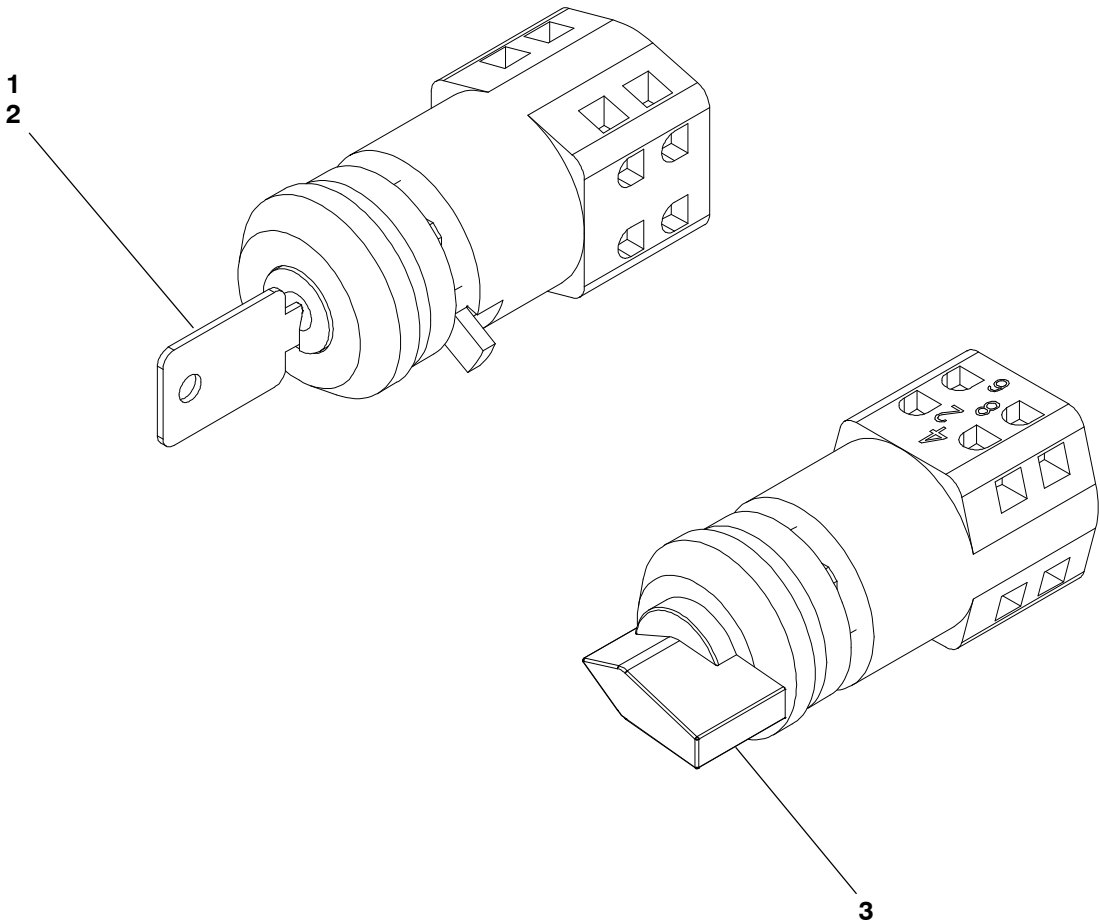
Alarm Module



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

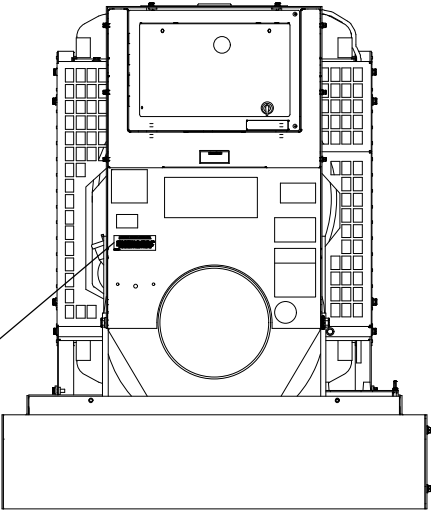
Operator Switch



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

Emissions Label



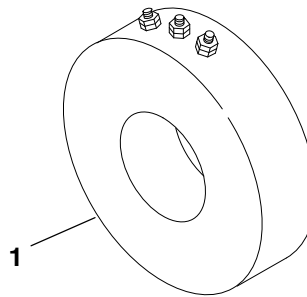
IMPORTANT GENSET INFORMATION

THIS GENSET CONFORMS TO EPA MOBILE NONROAD REGULATIONS
(40 CFR PART 89) AT 1800 RPM ONLY. USE OF THIS GENSET
AT ANY OTHER CONSTANT SPEED IN AN APPLICATION SUBJECT
TO THIS REGULATION IS A VIOLATION OF FEDERAL LAW.

0098-8205 A

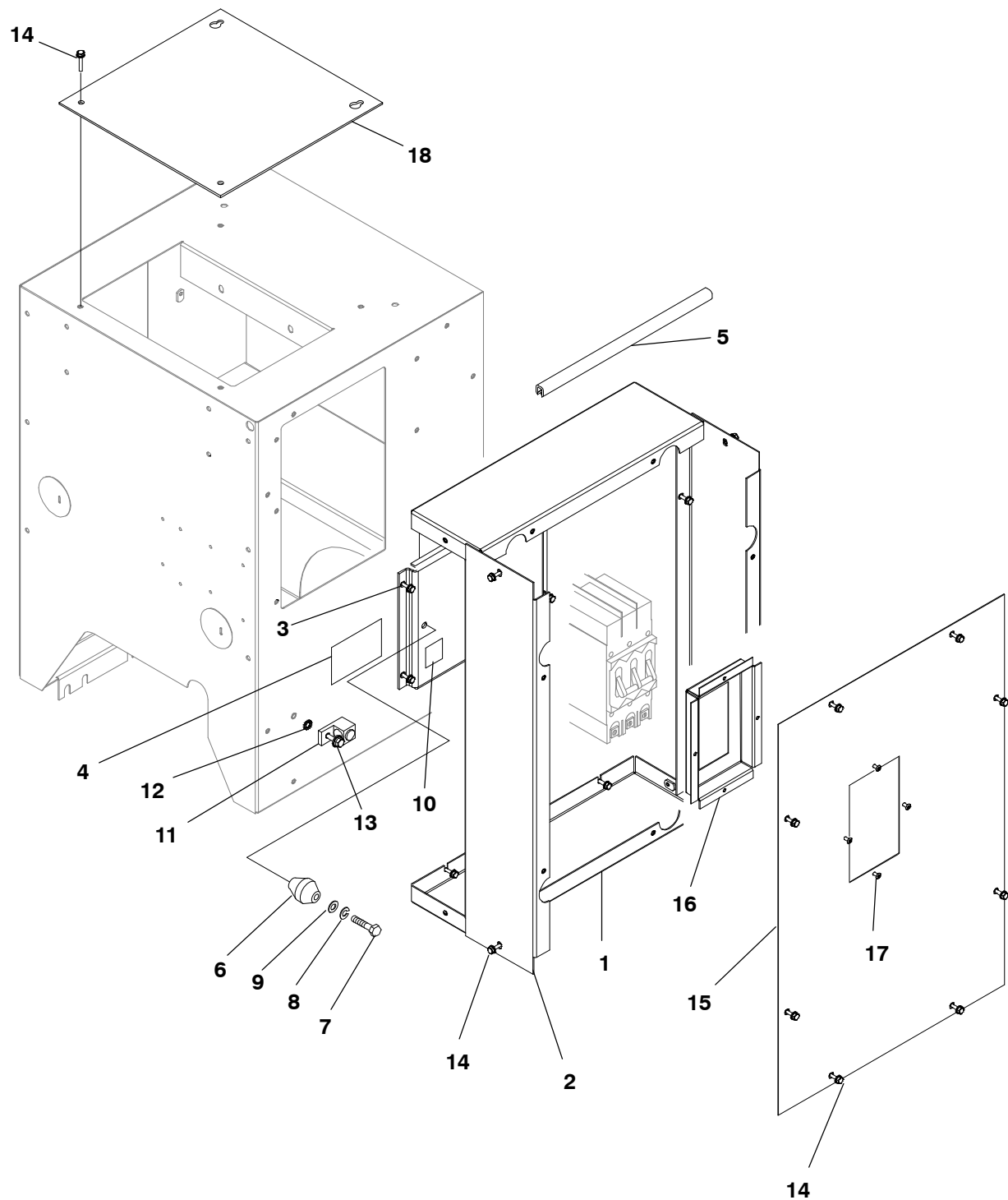
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	098-8205	1	Label, Emissions				

Current Transformer



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Transformer, Current				
	302-2057-46	3	Ratio 278/1 or 556/1				
	302-2057-09	3	Ratio 345/1 or 690/1				
	302-2057-11	3	Ratio 432/1 or 864/1				
	302-2058-24	3	Ratio 194/1				
	302-2058-25	3	Ratio 242/1				
	302-2058-26	3	Ratio 302/1				
	302-2057-09	2	Ratio 345/1 or 690/1				
	302-2057-11	2	Ratio 432/1 or 864/1				
	302-2057-14	2	Ratio 518/1 or 1036/1				

Circuit Breaker Box

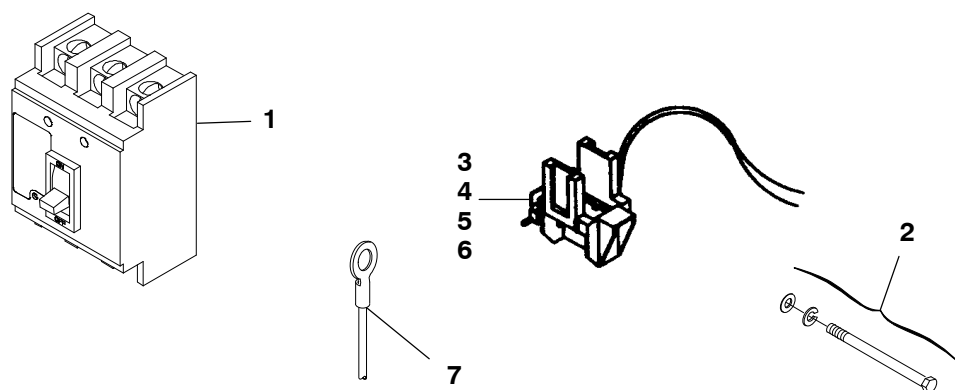


Circuit Breaker Box

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

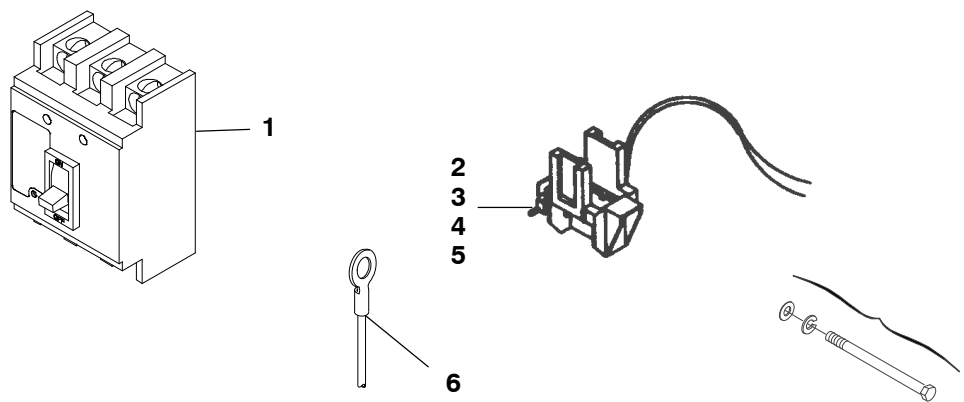


REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Breaker, Circuit				
			2 Pole (UL)				
	320-2238-07	1	100 Amp		320-2347-01	1 *	250 Amp
	320-2238-06	1	125 Amp		320-1960-06	1 *	300 Amp
	320-2238-05	1	150 Amp		320-1960-05	1 *	350 Amp
	320-2238-04	1	175 Amp		320-1960-04	1 *	400 Amp
	320-2238-03	1	200 Amp		320-1960-03	1 *	450 Amp
	320-2238-02	1	225 Amp		320-1960-02	1 *	500 Amp
	320-2238-01	1	250 Amp		320-1960-01	1 *	600 Amp
	320-1962-03	1 *	300 Amp		320-2261-02	1 *	700 Amp
	320-1962-02	1 *	350 Amp		320-2261-02	1 *	800 Amp
	320-1962-01	1 *	400 Amp		320-2262-03	1 *	900 Amp
			3 Pole (UL)		320-2262-02	1 *	1000 Amp
	320-2238-14	1	100 Amp		320-2346-70	1 *	30 Amp
	320-2238-13	1	125 Amp		320-2346-69	1 *	40 Amp
	320-2238-12	1	150 Amp		320-2346-68	1 *	50 Amp
	320-2238-11	1	175 Amp		320-2346-67	1 *	60 Amp
	320-2238-10	1	200 Amp		320-2346-60	1 *	70 Amp
	320-2238-09	1	225 Amp		320-2346-59	1 *	80 Amp
	320-2238-08	1	250 Amp		320-2346-58	1 *	90 Amp
	320-1962-06	1 *	300 Amp		320-2346-57	1 *	100 Amp
	320-1962-05	1 *	350 Amp		320-2346-56	1 *	125 Amp
	320-1962-04	1 *	400 Amp		320-2346-55	1 *	150 Amp
			3 Pole (UL & IEC)		320-2347-54	1 *	175 Amp
	320-2346-20	1 *	30 Amp		320-2347-53	1 *	200 Amp
	320-2346-19	1 *	40 Amp		320-2347-52	1 *	225 Amp
	320-2346-18	1 *	50 Amp		320-2347-51	1 *	250 Amp
	320-2346-17	1 *	60 Amp				4 Pole (IEC)
	320-2347-10	1 *	70 Amp		320-2346-07	1 *	100 Amp
	320-2347-09	1 *	80 Amp		320-1959-13	1 *	160 Amp
	320-2347-08	1 *	90 Amp		320-1960-10	1 *	320 Amp
	320-2347-07	1 *	100 Amp		320-1960-09	1 *	400 Amp
	320-2347-06	1 *	125 Amp		320-1960-08	1 *	500 Amp
	320-2347-05	1 *	150 Amp		320-1960-07	1 *	630 Amp
	320-2347-04	1 *	175 Amp		320-1964-08	1 *	800 Amp
	320-2347-03	1 *	200 Amp				
	320-2347-02	1 *	225 Amp				

* - Includes Mounting Hardware

Continued...

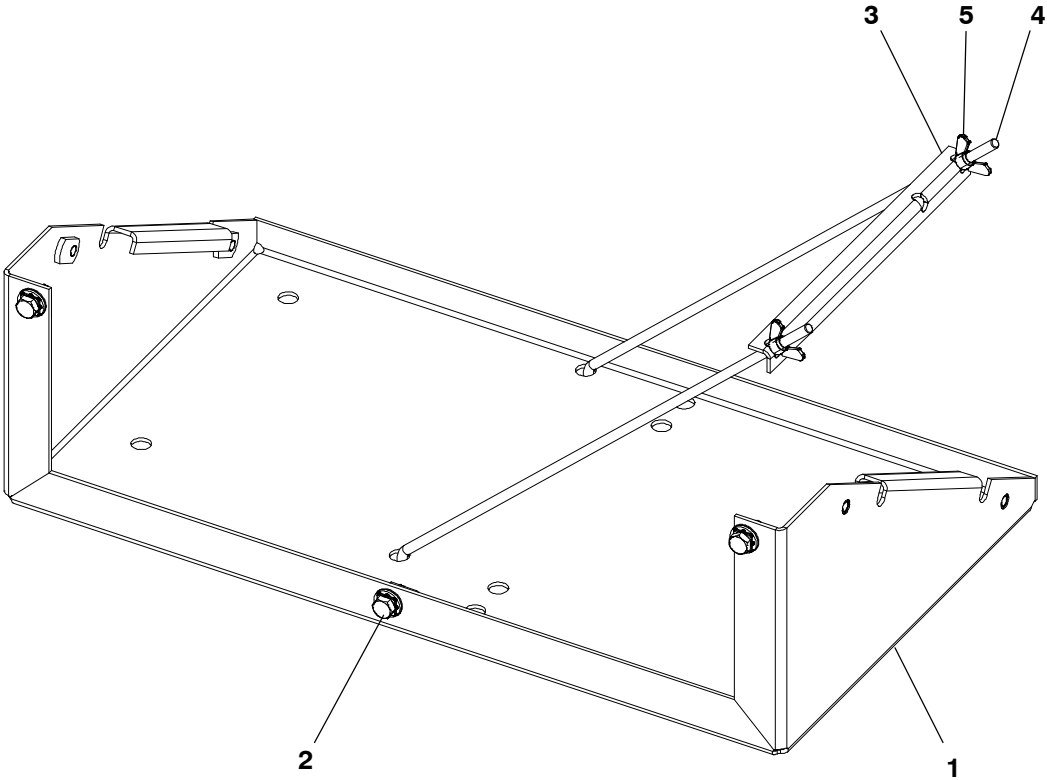
Circuit Breaker



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
Continued...				6			Lead (Quantity Used As Required)
			Accessories, Circuit Breaker: The following are used on 320-1959-XX and 320-1960-XX Circuit Breakers	226-0893	1		3/8" Ring Terminal End to 1" Stripped End – No Markings (33") (#1/0 Wire)
2	320-1981-02	1	Trip, Shunt (12V)	226-3505-01	1		3/8" Ring Terminal End to 1" Stripped End – No Markings (30") (#4 Wire)
3	320-1981-01	2	Switches – Used as an Auxiliary Contact or Trip Alarm	226-3505-03	1		3/8" Ring Terminal End to 3/8" Ring Terminal End – Marked "LO" (30") (#4 Wire)
			Accessories, Circuit Breaker: The following are used on 320-1964-XX Circuit Breakers	226-3505-04	1		3/8" Ring Terminal End to 3/8" Ring Terminal End – Marked "LO" (30") (#1/0 Wire)
4	320-1977-52	1	Trip, Shunt (12V)				
5	320-1981-01	1	Switches – Includes 1 Auxiliary Contact and 1 Trip Alarm				

* – Includes Mounting Hardware

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)

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