

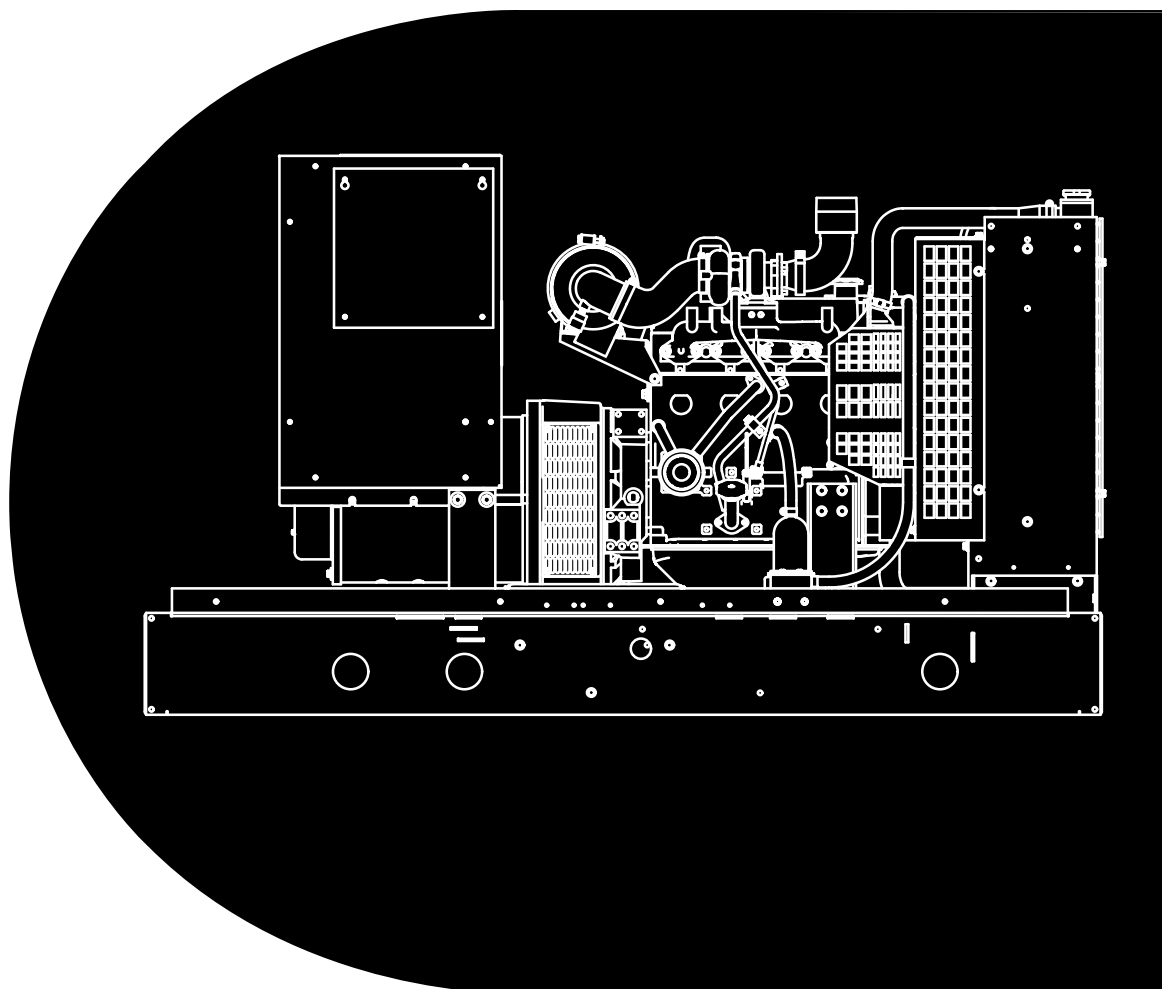
Parts Catalog

Models

DGGD (Spec A)

DGHD (Spec A)

DGHE (Spec A)



MODEL IDENTIFICATION

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

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

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

MODEL AND SPEC NO.

SERIAL NO.

DIGITAL CONTROL SOFTWARE VERSION
AND DATE (IF APPLICABLE)

SAFETY PRECAUTIONS

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



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



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



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

PRODUCT SAFETY PRECAUTIONS



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



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



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



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

PSP-1

Introduction

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

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

Replacement Engine

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

Generator Set Data Table

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

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

– Broad Range Reconnectible.

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Abbreviations

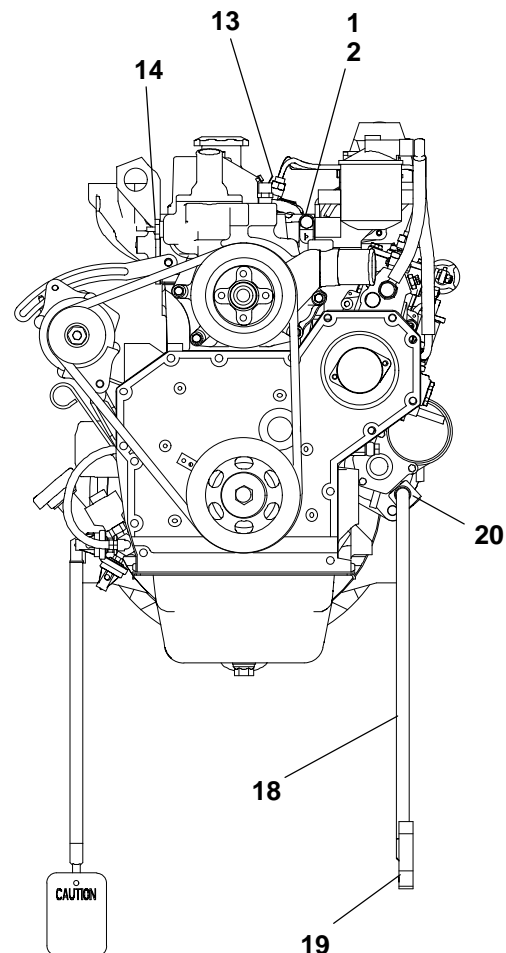
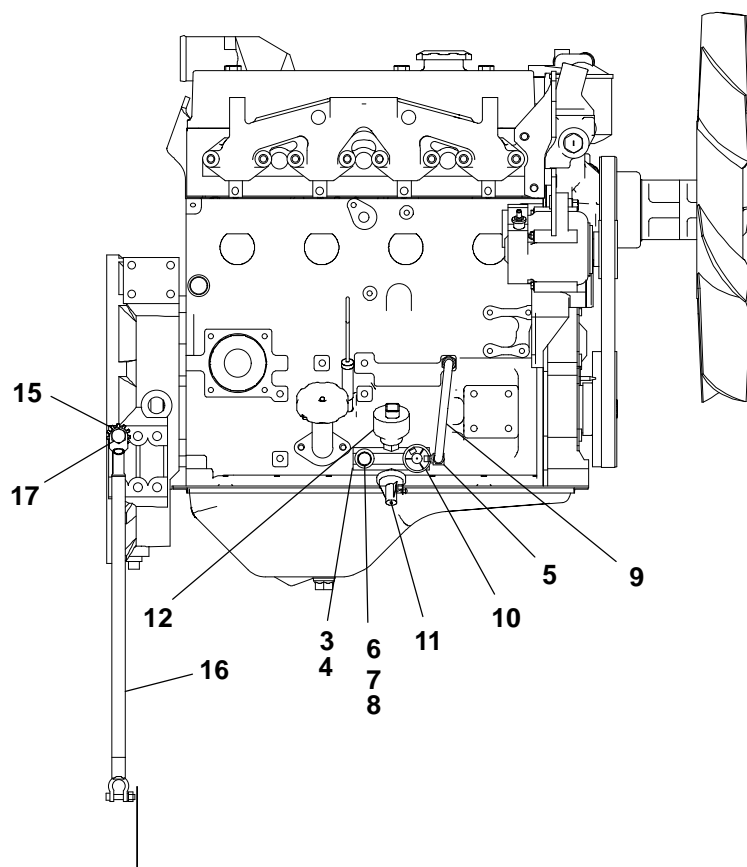
Some of the following abbreviations may be used throughout this Parts Catalog:

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

Paint and Thread Sealant

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

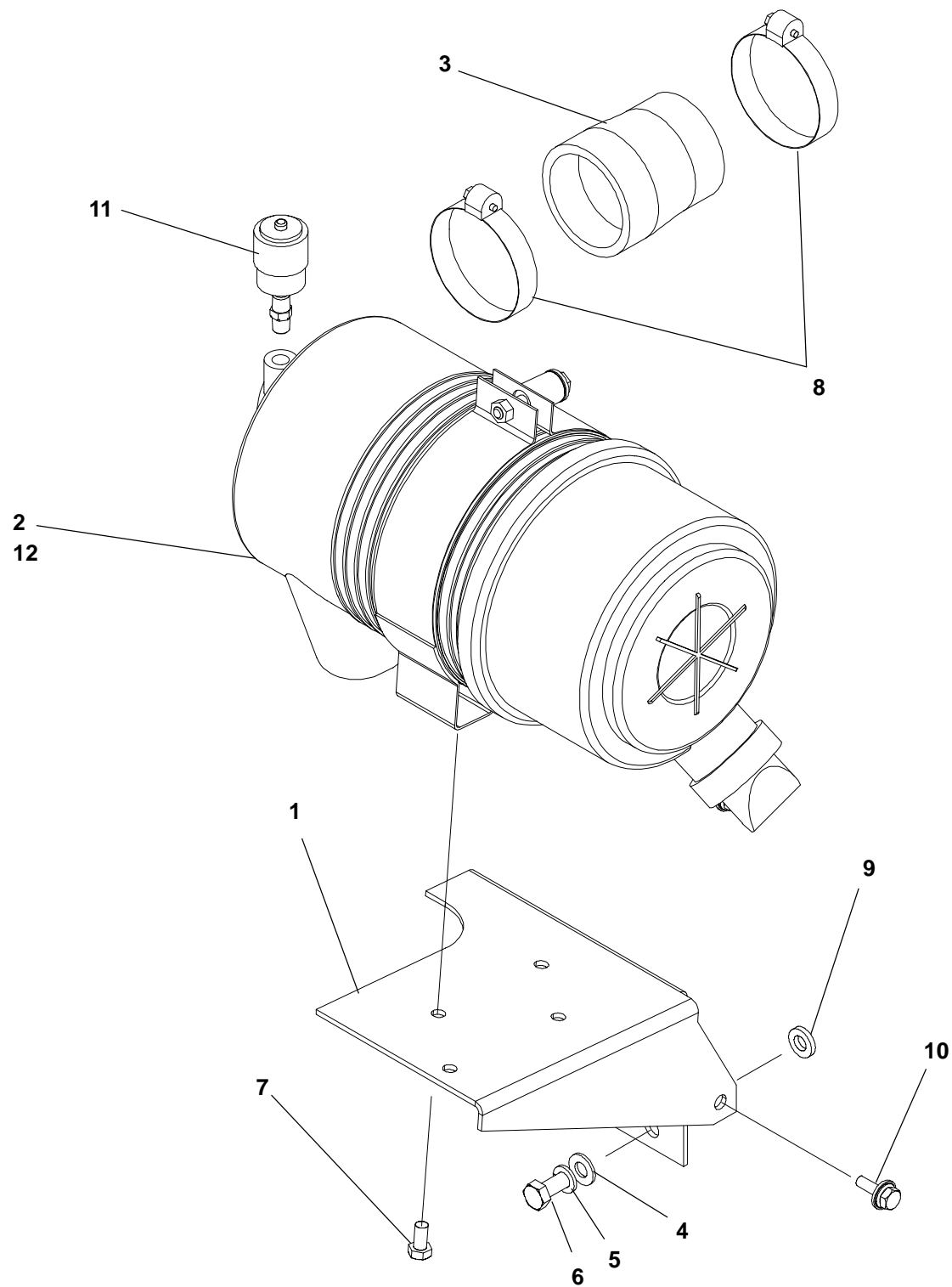
Engine Accessories



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	309-0269	1	Switch, Low Engine Temperature
2	800-2085	1	Screw, Cap – Hex Head (M10 x 1.5 x 20)
3	856-0010	1	Washer, Lock – W/EIT
4	120-1312-02	1	Manifold, Oil Pressure
5	502-1309	1	Elbow, Inverted Male
6	526-0249-01	1	Washer, Flat (7/16)
7	850-2010	1	Washer, Lock – Split (M10)
8	800-2090	1	Screw, Cap – Hex Head (M10 x 1.5 x 45)
9	501-0003	1	Line, Flexible Fuel
10	309-0641-19	1	Switch, Pressure

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
11	309-0641-20	1	Switch, Pressure
12	193-0448	1	Sender, Oil Pressure
13	193-0501	1	Sensor, Water Temperature
14	309-0553-01	1	Switch, Pre Water Temperature
15	856-0013	1	Washer, Lock – W/EIT (1/2)
16	416-1089	1	Cable, Battery
17	800-2111	1	Screw, Cap – Hex Head (M12 x 1.75 x 25)
18	416-1104	1	Cable, Battery
19	416-1019	1	Boot, Battery
20	416-1084	1	Boot, Starter

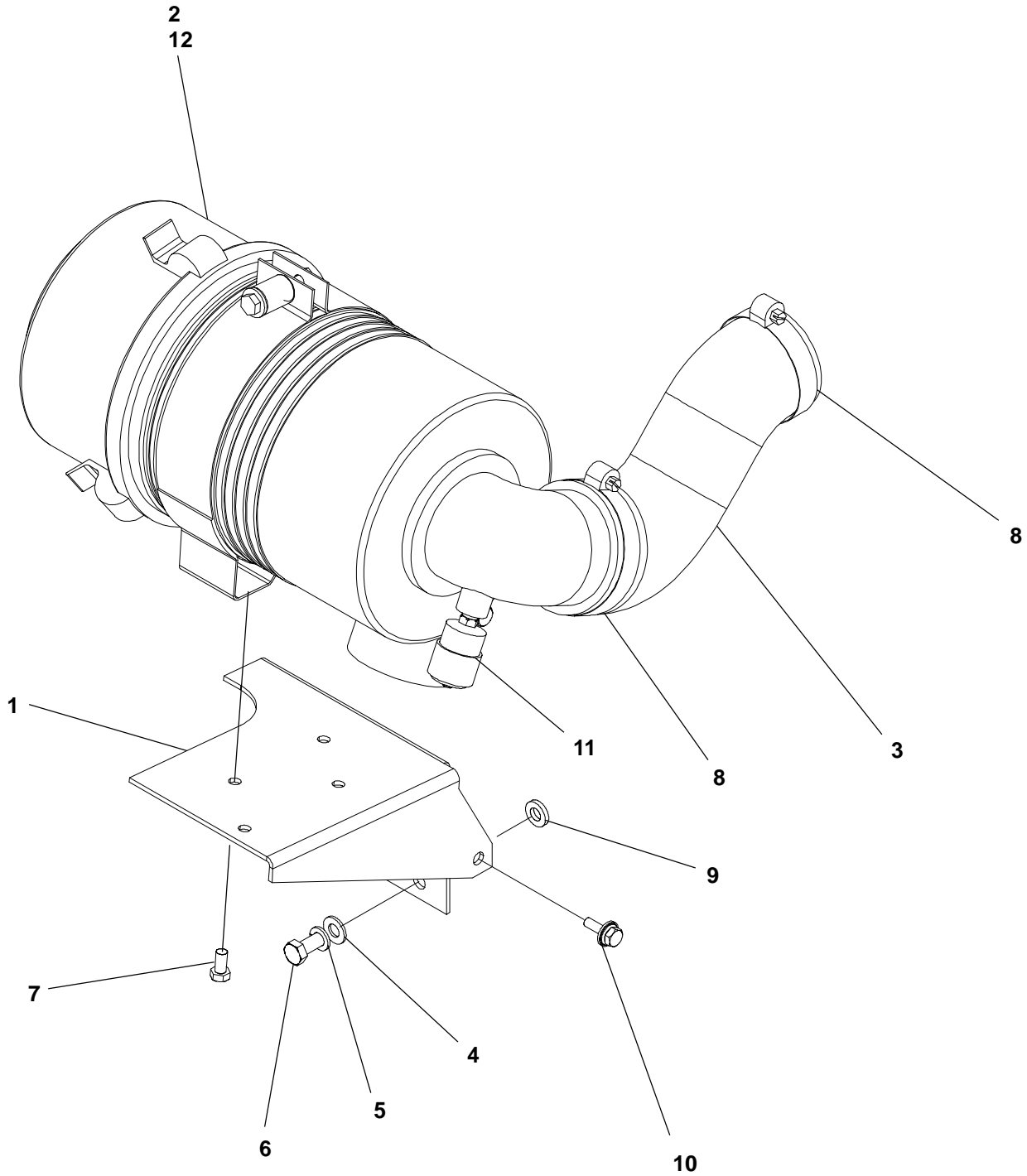
Air Cleaner DGGD



Air Cleaner DGGD

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-3319-02	1	Bracket, Air Cleaner	8	503-1870-05	2	Clamp, Hose
2	140-3119	1	Cleaner, Air	9	526-0174	2	Washer, Flat
3	503-2247	1	Hose, Air	10	821-6003-02	1	Screw, Hex Head (M8 x 1.25 x 20)
4	526-2120	2	Washer, Flat (M10)	11	140-1548	1	Indicator, Service
5	850-2010	2	Washer, Lock – Split (M10)	12	140-3055	1	Element, Replacement
6	800-2086	2	Screw, Cap – Hex Head (M10 x 1.5 x 25)				
7	800-2056	2	Screw, Cap – Hex Head (M8 x 1.25 x 16)				

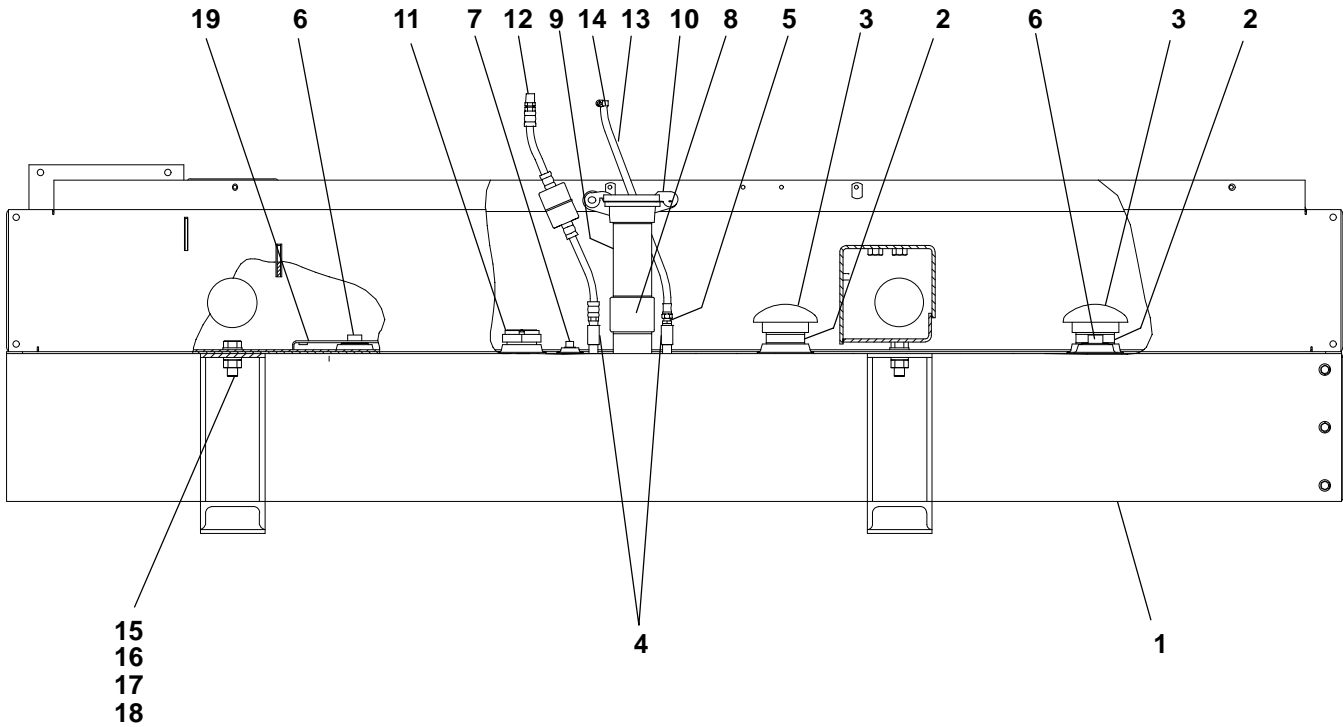
Air Cleaner DGHD, DGHE



Air Cleaner DGHD, DGHE

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

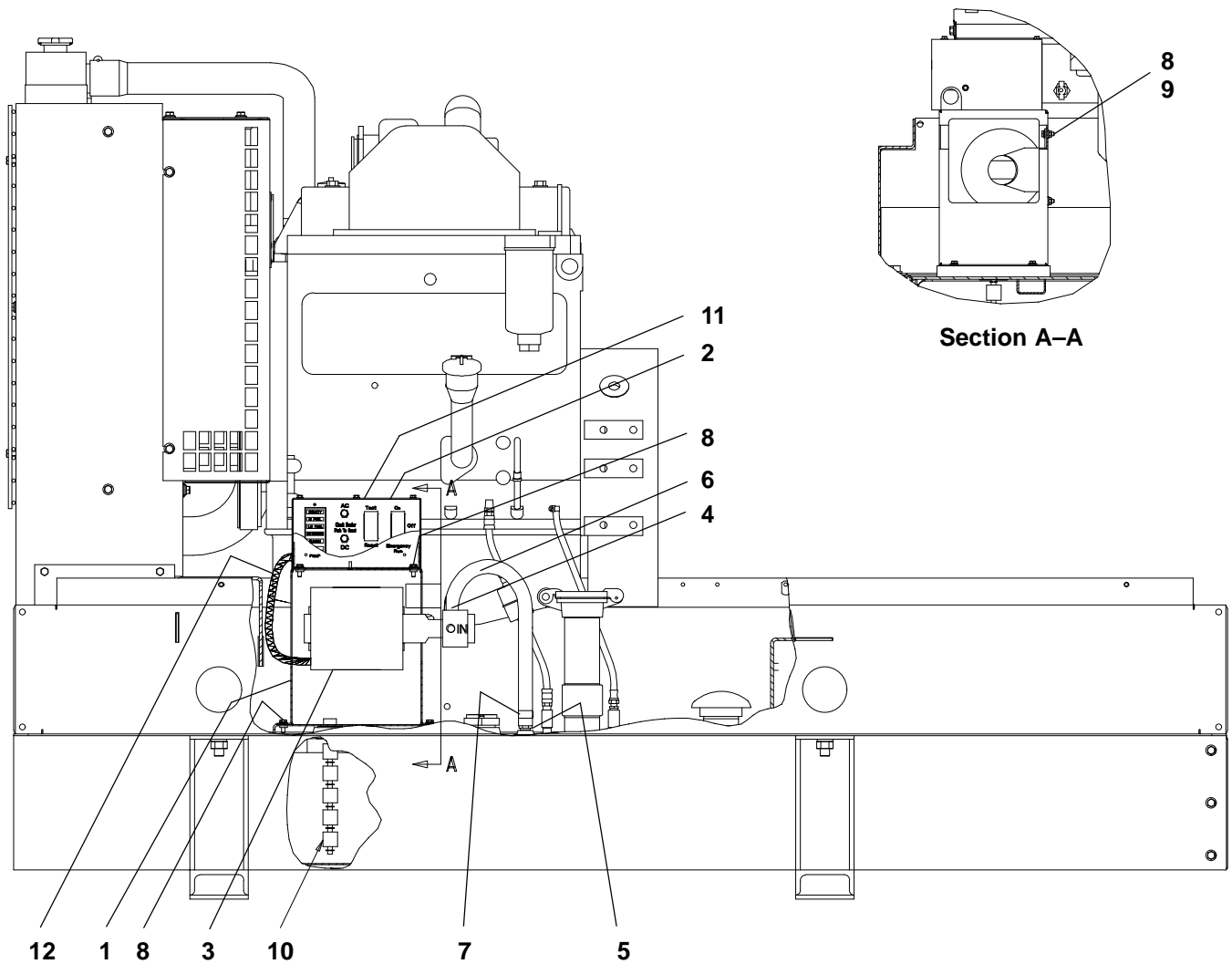
Subbase Fuel Tank



C167,168,169

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	159-1463	1	Tank, Fuel 70 gallon (Double Wall Tank)	7	505-0110	1	Plug, Square Head (3/8")
	159-1463-01	1	80 gallon (Single Wall Tank)	8	505-0203	1	Coupling, Pipe (2")
	159-1464	1	140 gallon (Double Wall Tank)	9	505-0401	1	Nipple, Pipe (2" x 6" Long)
2	505-0172	2	Nipple, Close (2") 70 gallon tank	10	415-0043	1	Cap, Fill – Fuel
	505-0172	1	80 gallon tank	11	415-0565-61	1	Gauge, Level – Fuel 70, 80 gallon tank
3	159-1371-03	2	Cap, Vent – Pipe 70 gallon tank (2")		415-0565-52	1	140 gallon tank
	159-1371-03	1	80 gallon tank (2")	12	501-0627-03	1	Line, Fuel – In
	159-1371-05	2	140 gallon tank (3")	13	501-0502	1	Line, Fuel – Out
4	505-0027	2	Coupling, Pipe (1/4")	14	503-0685	1	Clamp, Hose
5	505-0007	1	Bushing, Reducer (1/4" x 1/8")	15	526-0399-66	4	Washer, Flat (M16)
6	505-0359	2	Plug, Square Head (1-1/4") 70, 140 gallon tank	16	800-3017-73	4	Screw, Cap – Hex Head (M16 x 2 x 45)
	505-0359	1	80 gallon tank	17	850-0114-57	4	Washer, Lock (M16)
				18	862-0026-58	4	Nut, Hex (M16 x 2)
				19	159-1378	8	Shim, Tank – Fuel

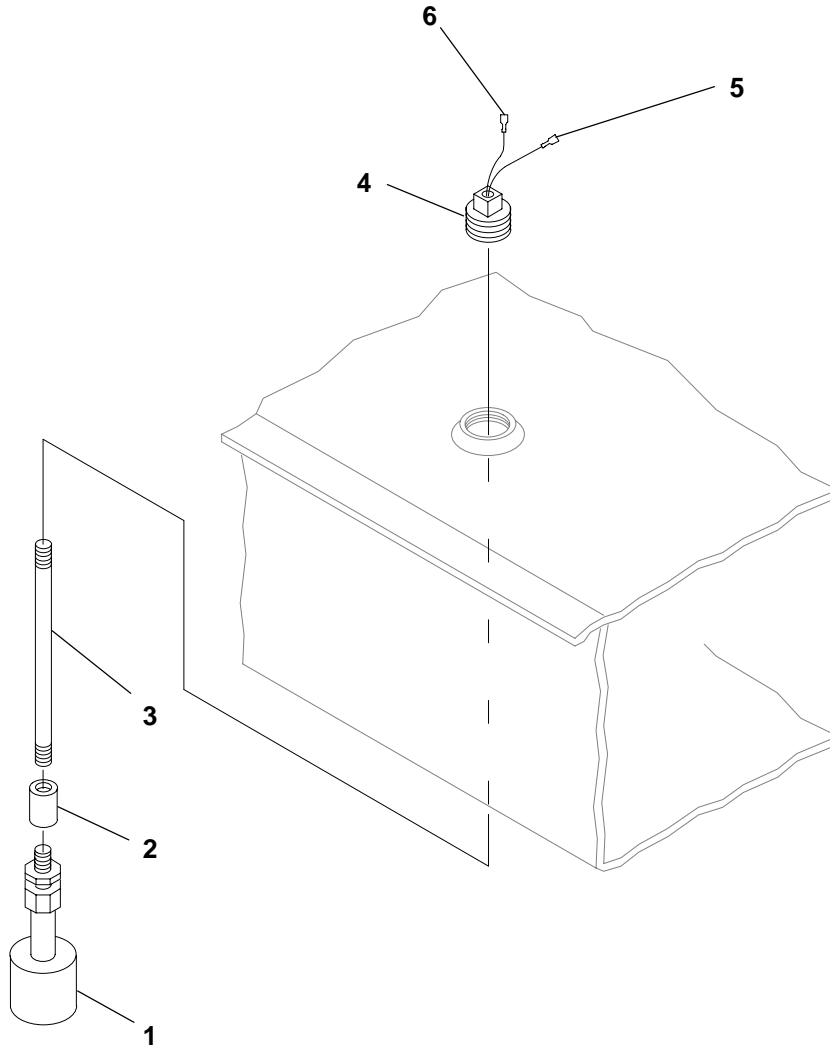
Subbase Fuel Tank Pump and Control



C149

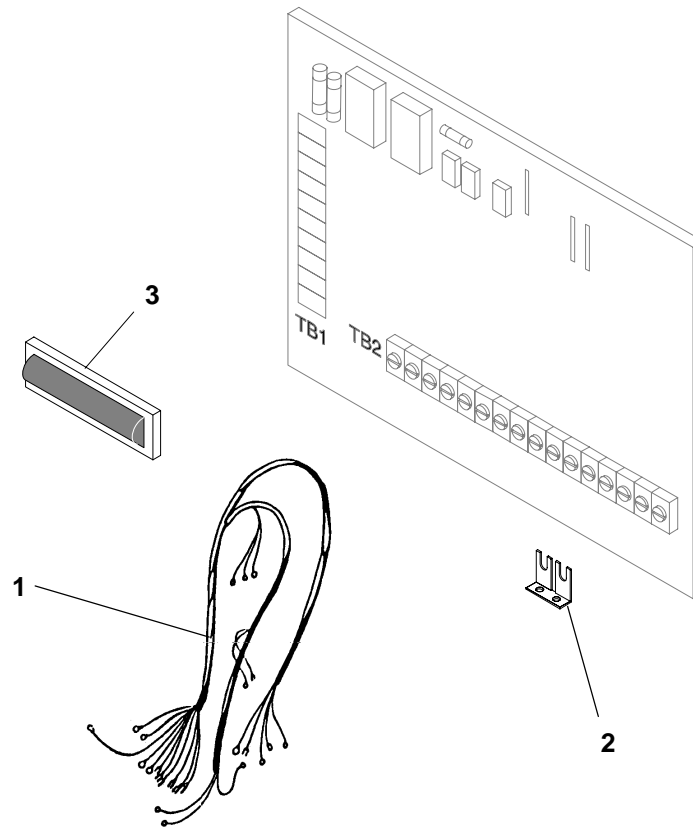
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	159-1468	1	Bracket, Pump	7	503-0183	2	Clamp, Hose
2	625-2141-02	1	Control, Fuel Tank (See Separate Page for Components)	8	821-2033	12	Screw, Lock – Flange (M6 x 1 x 16)
3	399-0117-01	1	Pump	9	870-2054	4	Nut, Lock – Flange (M6 x 1)
4	502-0942	1	Elbow, Hose – 90°	10	308-0913-09	1	Switch, Float 70 gallon tank
5	502-0943	1	Connector, Hose (1/2 x 5/8 hose)		308-0913	1	140 gallon tank
6	503-1660-04	1	Hose, Fuel (Pump to Tank)	11	098-5387	1	Label, Danger
				12	338-2397	1	Harness, Pump to Control

Low Fuel Alarm



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

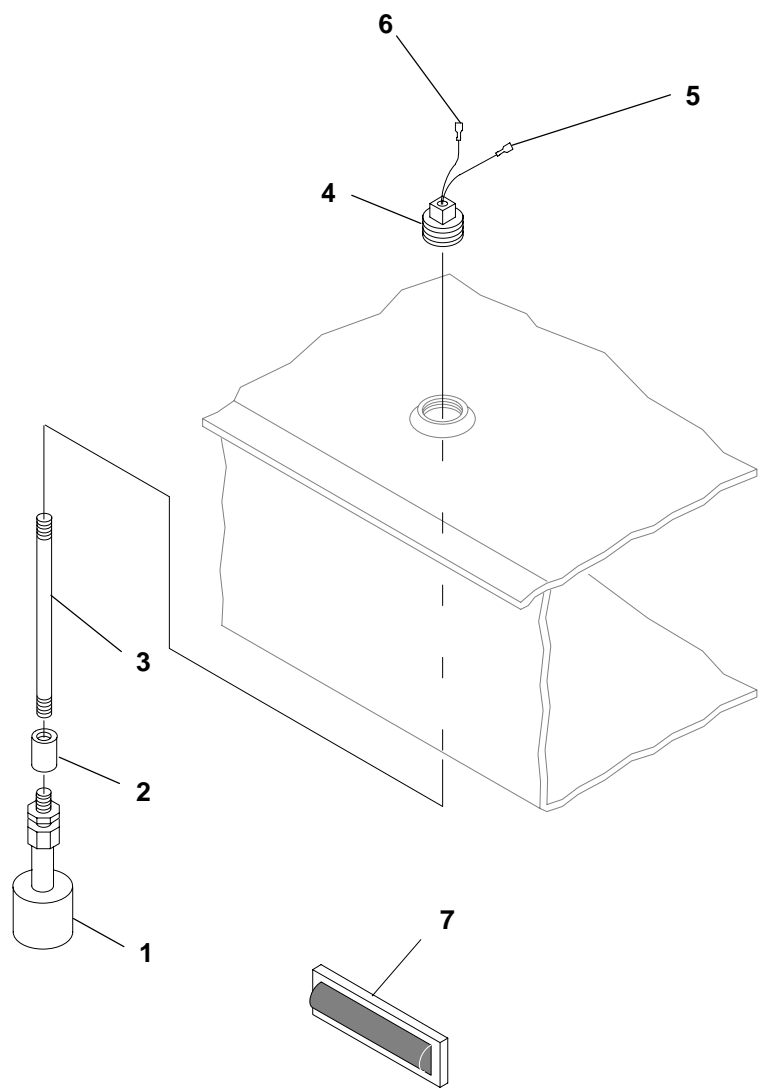
Fuel Alarm DGGD, DGHE



H573,H574

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-3722	1	Harness, Wiring – Fuel Alarm	3	322-0431-06	1	Lens, Basin
2	332-2605	1	Jumper, Terminal				

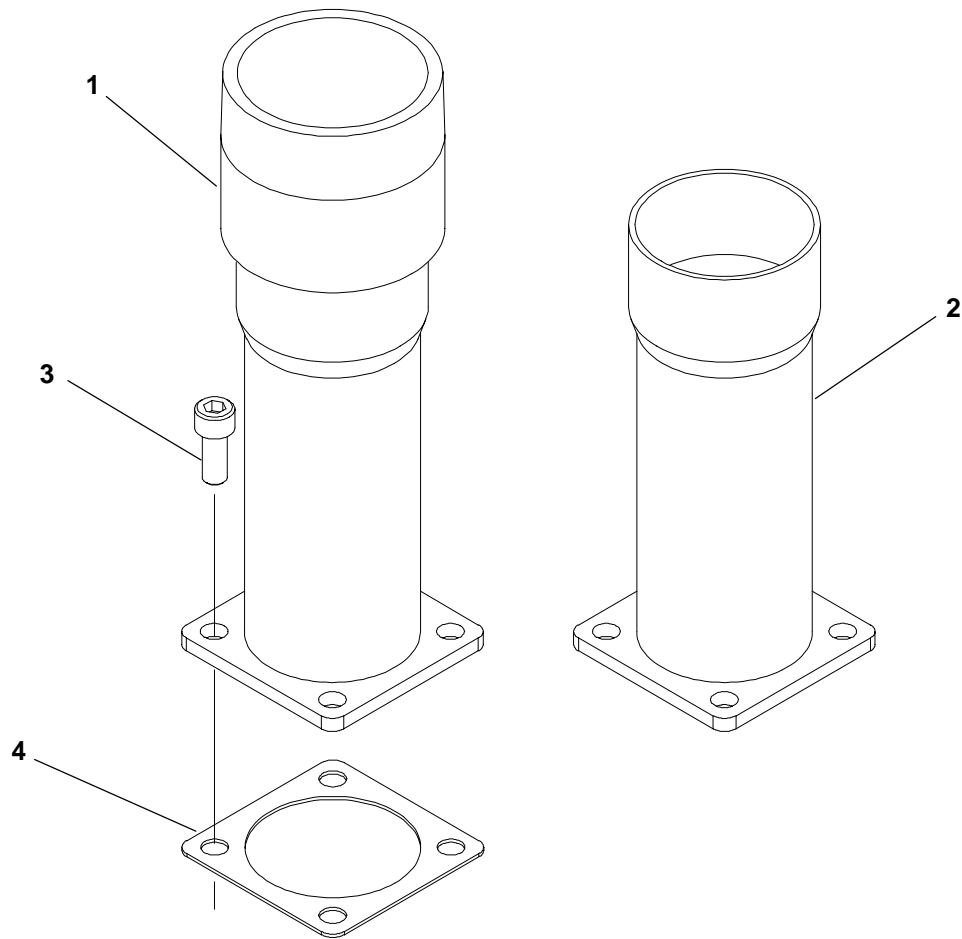
Basin Alarm



H574

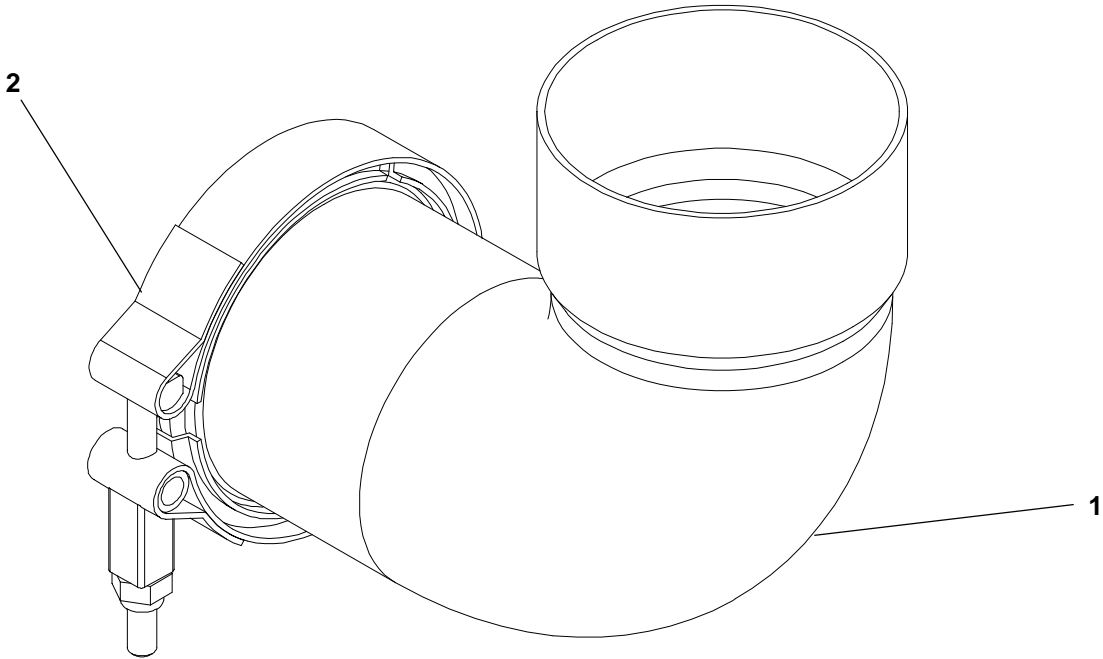
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	308-0916-01	1	Switch, Basin	5	332-1992	1	Terminal, Receptacle (.25) (#22-18)
2	505-0026	1	Coupling, Pipe	6	332-2430	1	Terminal, Tab (.25) (#22-18)
3	505-0069	1	Nipple, Pipe	7	322-0431-06	1	Lens, Replacement
	505-1458-02	1	70 gallon tank				
	505-1458-02	1	140 gallon tank				
4	505-1050	1	Plug, Pipe – Square Head (Modified)				

Exhaust Adapter DGGD



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

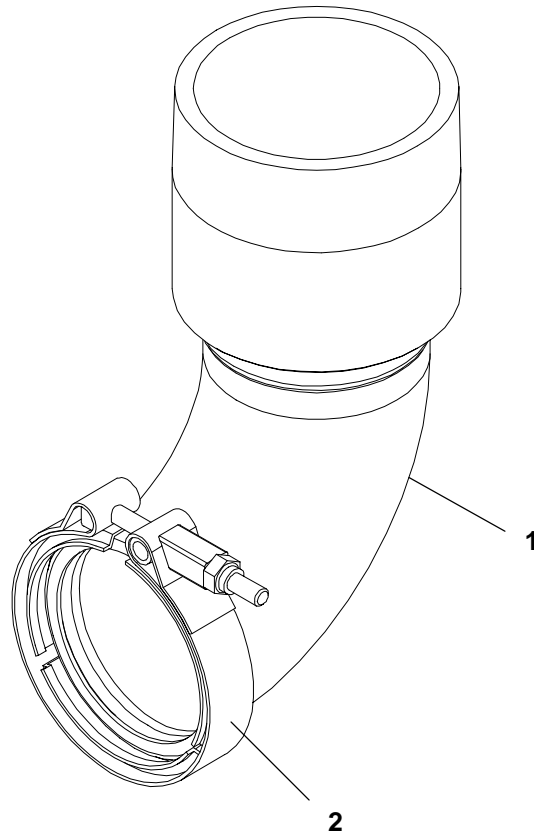
Exhaust Adapter
DGHD, DGHE
Slip On



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-3514	1	Pipe, Exhaust

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

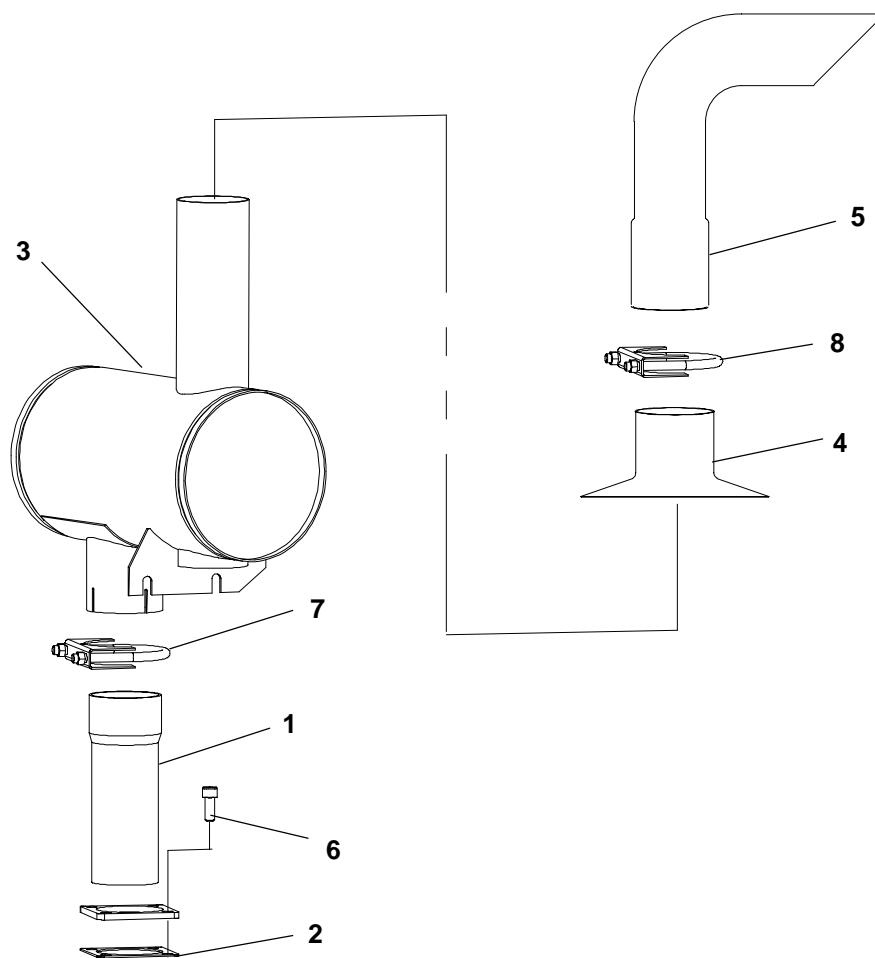
Exhaust Adapter DGHD, DGHE Threaded



A299

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

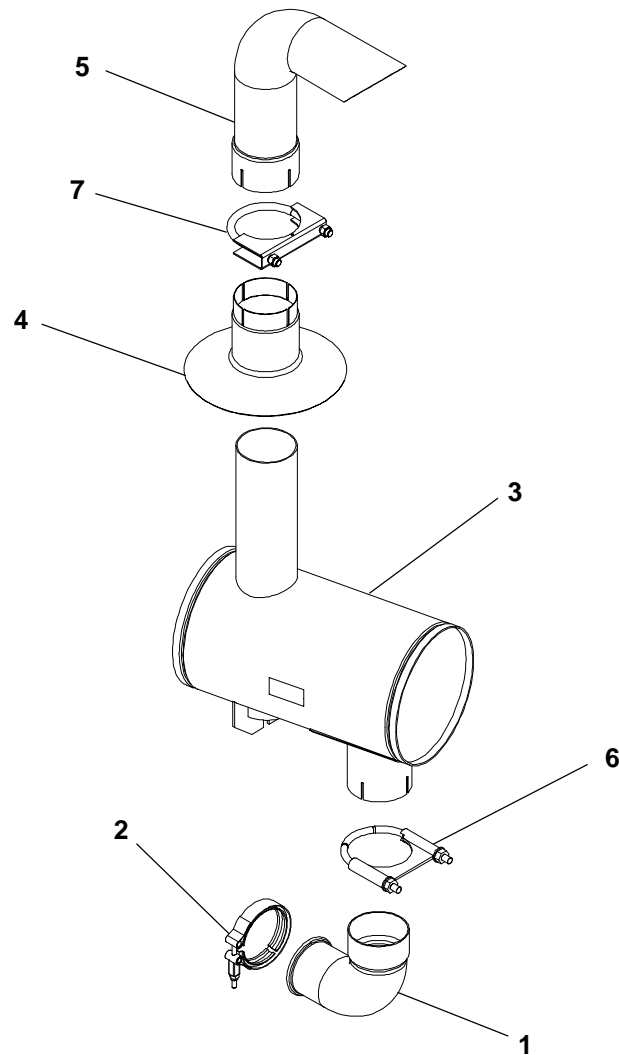
Muffler DGGD (F182 Housing)



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

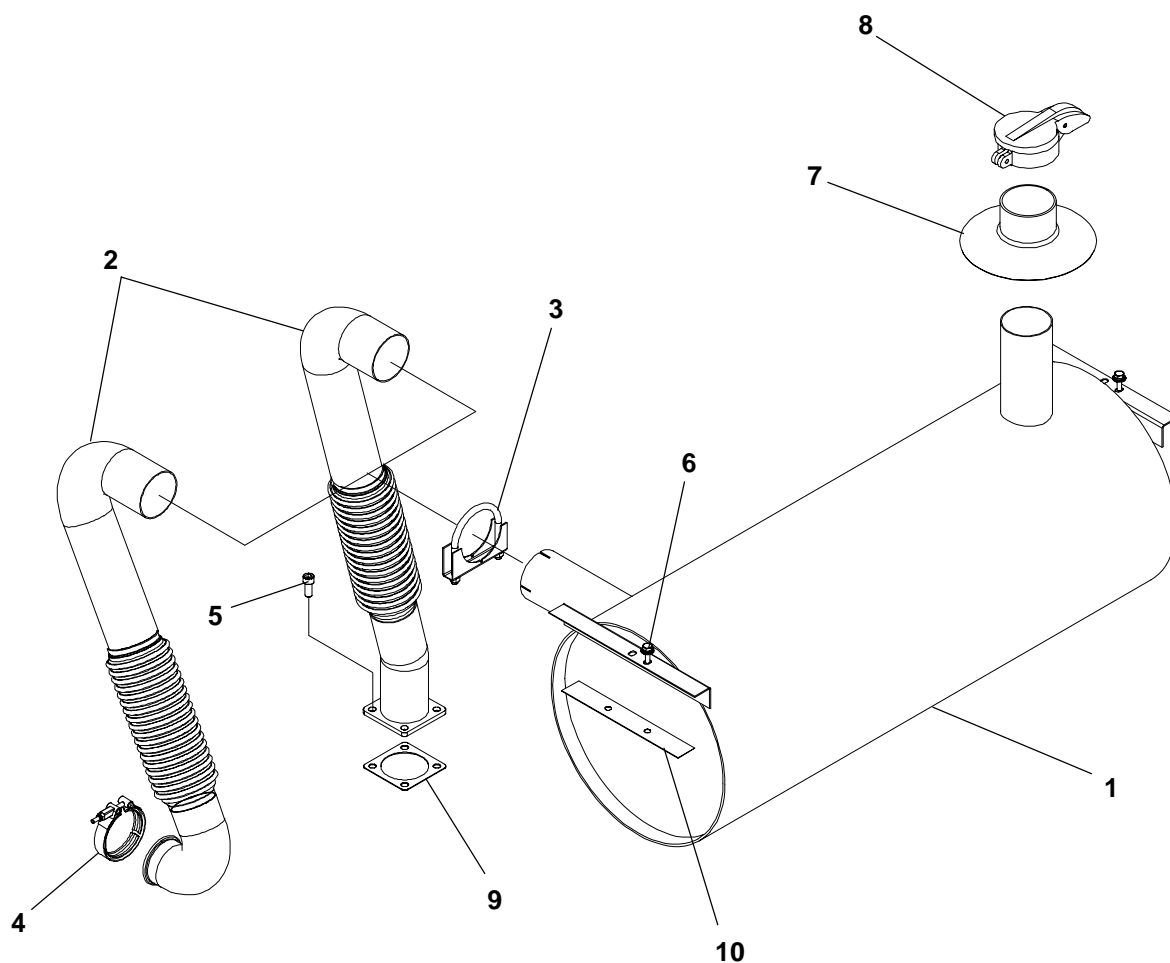
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
6	802-2507	4	Screw, Cap – Socket Head (M10 x 1.5 x 25)
7	155-2175	1	Clamp, Muffler
8	155-3260	1	Clamp, Muffler

Muffler DGHD, DGHE (F182 Housing)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-3514	1	Pipe, Exhaust	5	155-3115	1	Pipe, Outlet
2	155-2565	1	Clamp, V-Band	6	155-2175	1	Clamp, Muffler
3	155-3521	1	Muffler	7	155-3260	1	Clamp, Muffler
4	155-3102-02	1	Shield, Rain				

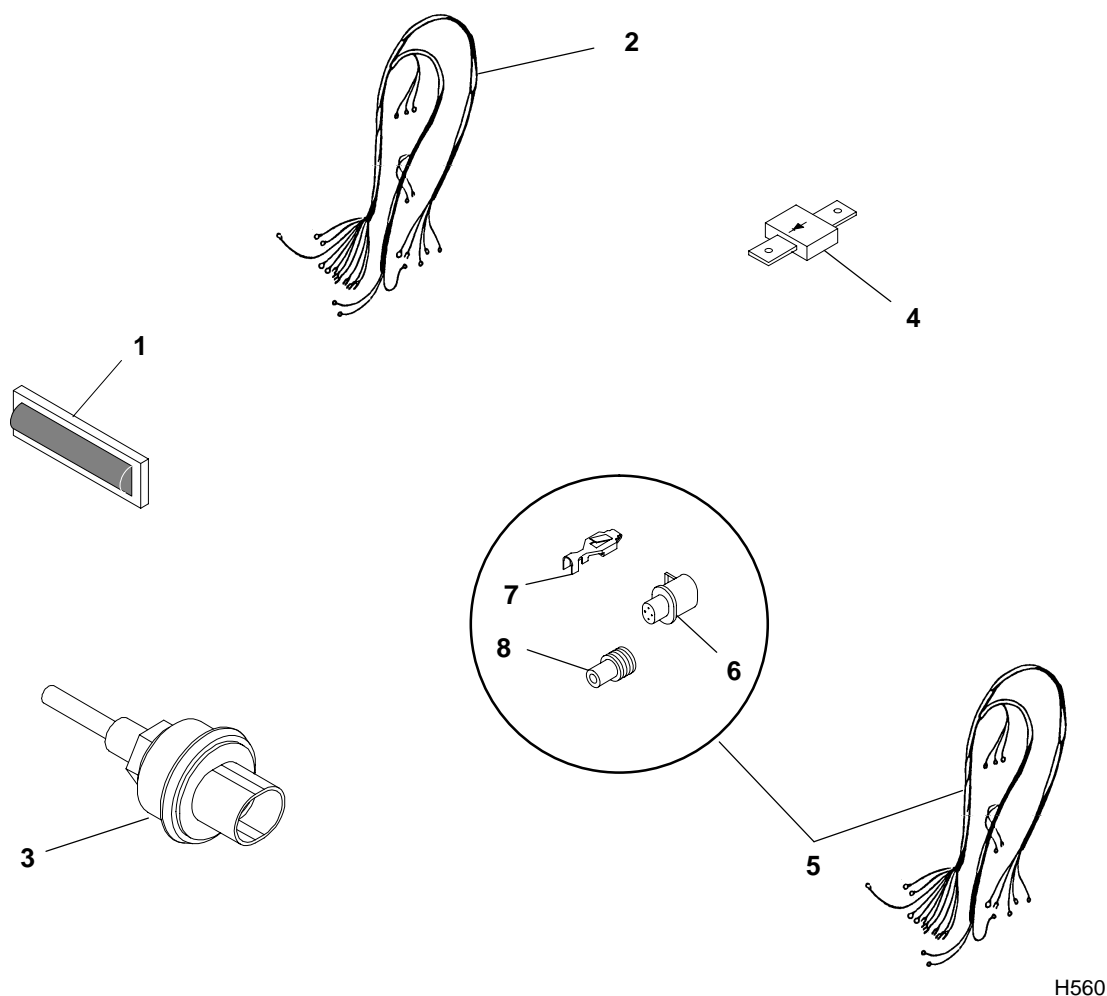
Muffler (F172, F173 Housing)



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

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

Low Coolant Level Sender With Continuously Monitored Low Coolant Level Sets With 12 Light Indicator Controls

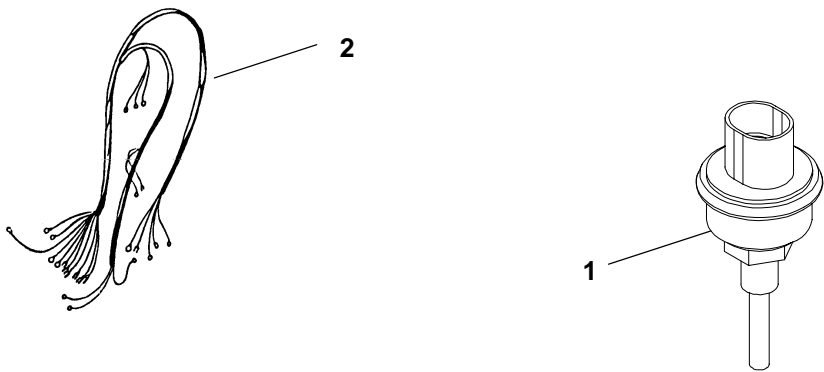


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	322-0431-07	1	Lens, Replacement
2	338-3035-01	1	Harness, Low Coolant Level – LCL Sender to Control
3	193-0468	1	Sender, Low Coolant Level
4	357-0030	1	Rectifier, Silicon
5	338-3594	1	Harness, Pigtail (Includes Parts Marked *)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
6	323-1765	1	*Housing, Connector (4 Pin)
7	323-1709	4	*Socket, Contact (Used in S3)
8	323-1708	4	*Seal, Cable

* – Parts Included in 338-3594 Pigtail Harness

Low Coolant Level Sender
Without Continuously Monitored Low Coolant Level

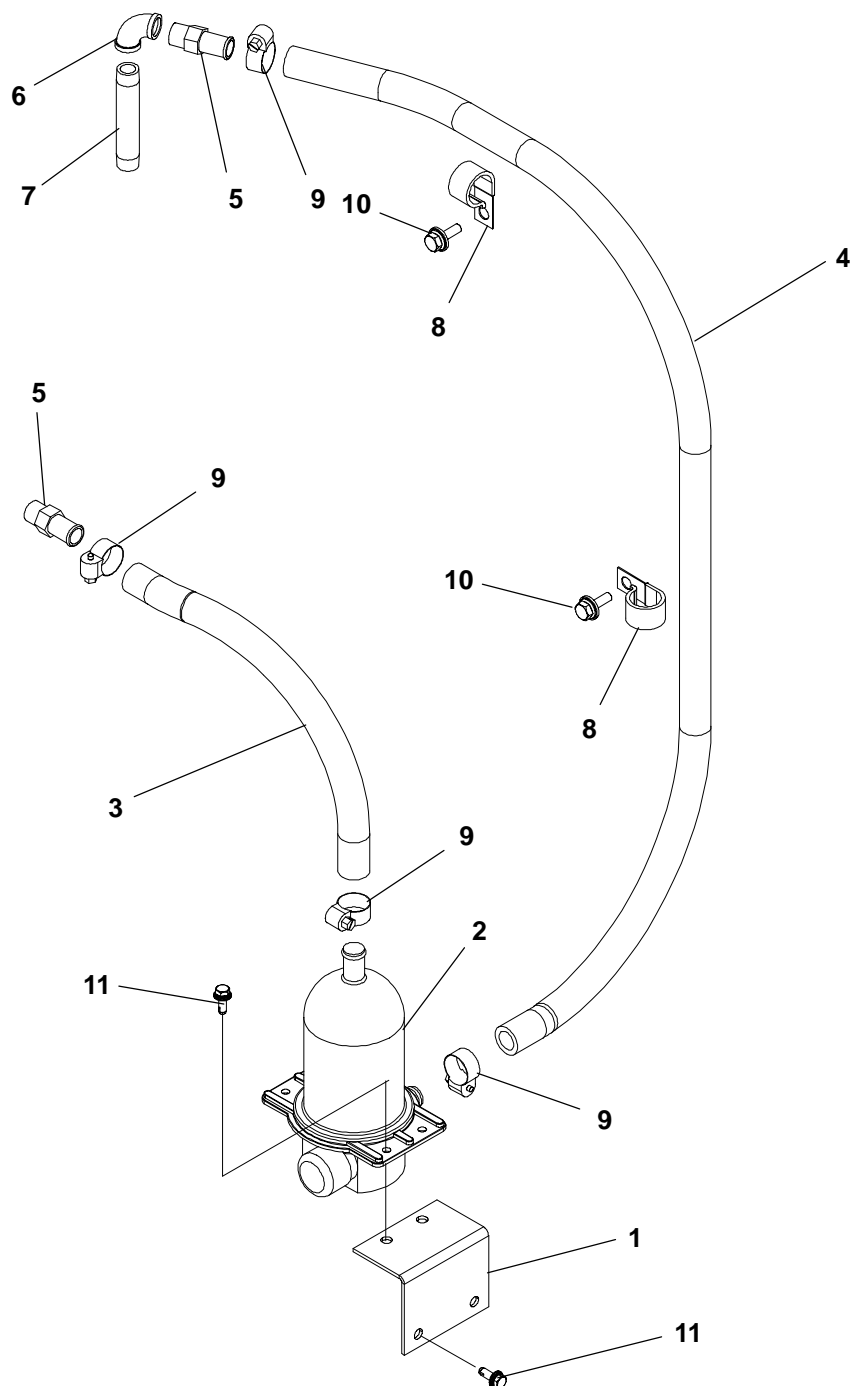


H389,527

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	193-0468	1	Sender, Low Coolant Level

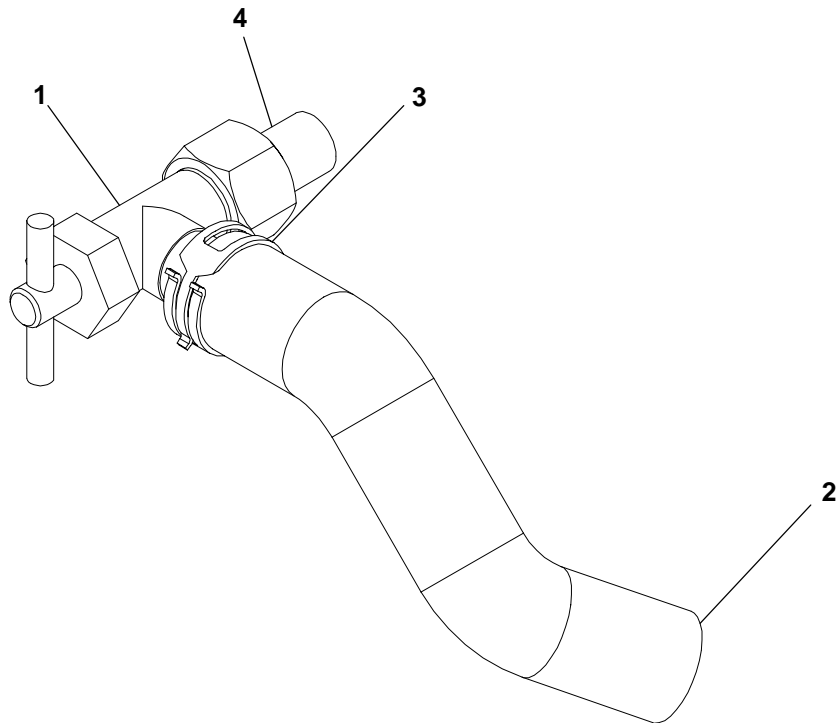
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
2	338-3756	1	Harness, Low Coolant Level Sender

Coolant Heater



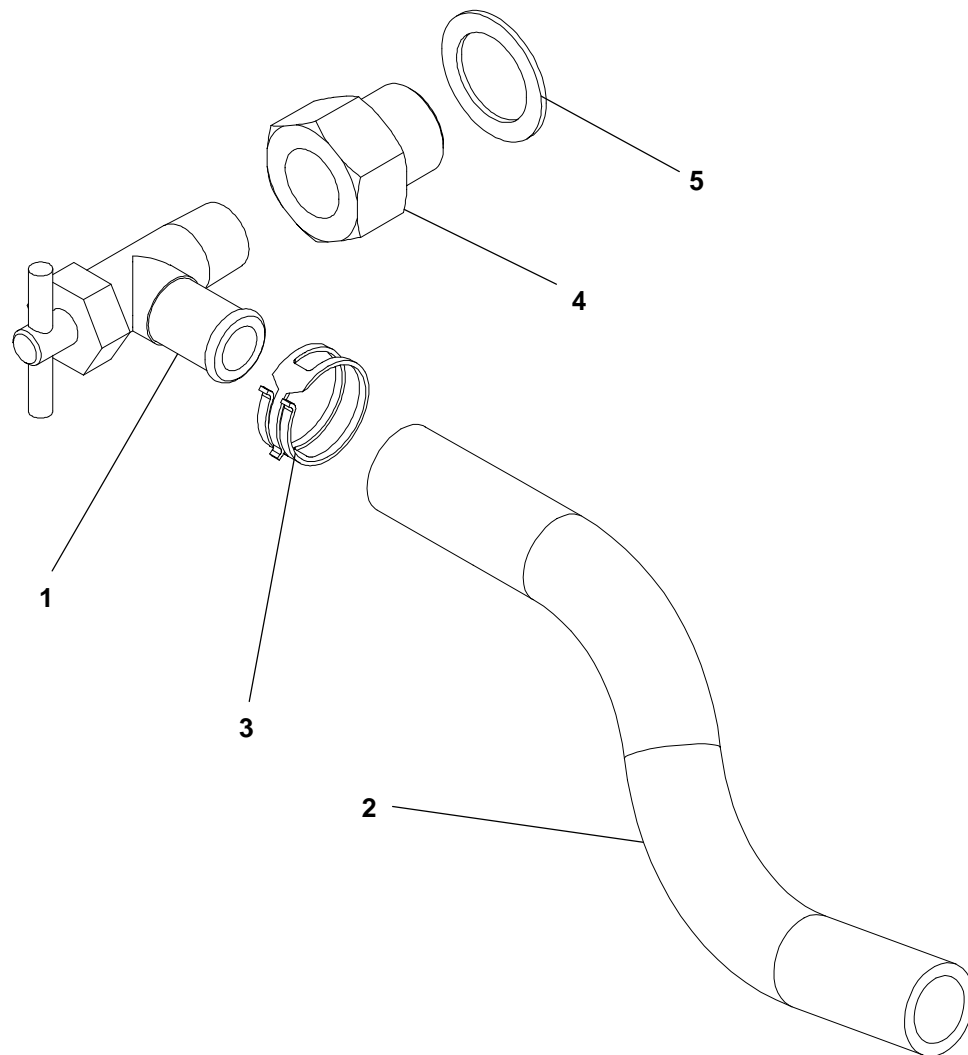
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	333-0585	1	Bracket, Heater	7	505-0240	1	Nipple, Pipe (3/8 x 3.50)
2	333-0588-01	1	Heater, Engine Coolant 120 Volt	8	332-2634	2	Clamp, "J"
	333-0588-02	1	208/240 Volt	9	503-0183	4	Clamp, Hose
3	503-2293-06	1	Hose, Coolant	10	821-6003-02	2	Screw, Hex Head (M8 x 1.25 x 20)
4	503-2293-07	1	Hose, Coolant	11	821-6006-01	4	Screw, Hex Head – Stainless Steel (M6 x 1.0 x 16)
5	502-0943	2	Connector, Hose (3/8 x 5/8)				
6	505-0039	1	Elbow, Pipe				

Coolant Drain



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	504-0176	1	Valve, Drain	3	503-0131	1	Clamp, Hose
2	503-0386	—	Hose, Engine Coolant – Bulk (Order by the Foot – 3 Feet Required)	4	502-0426-01	1	Adapter, Pipe

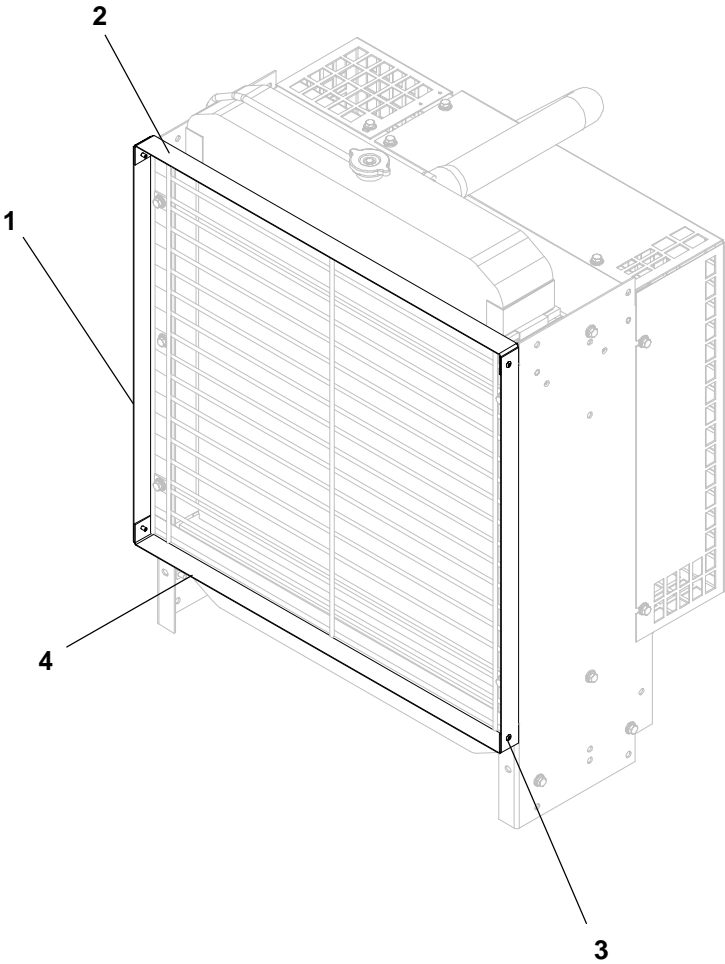
Oil Drain



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	504-0176	1	Valve, Oil Drain
2	503-1660-04	1	Hose, Oil Drain
3	503-0131	1	Clamp, Hose

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	102-1448-02	1	Adapter, Oil Drain
5	526-0329	1	Washer, Flat

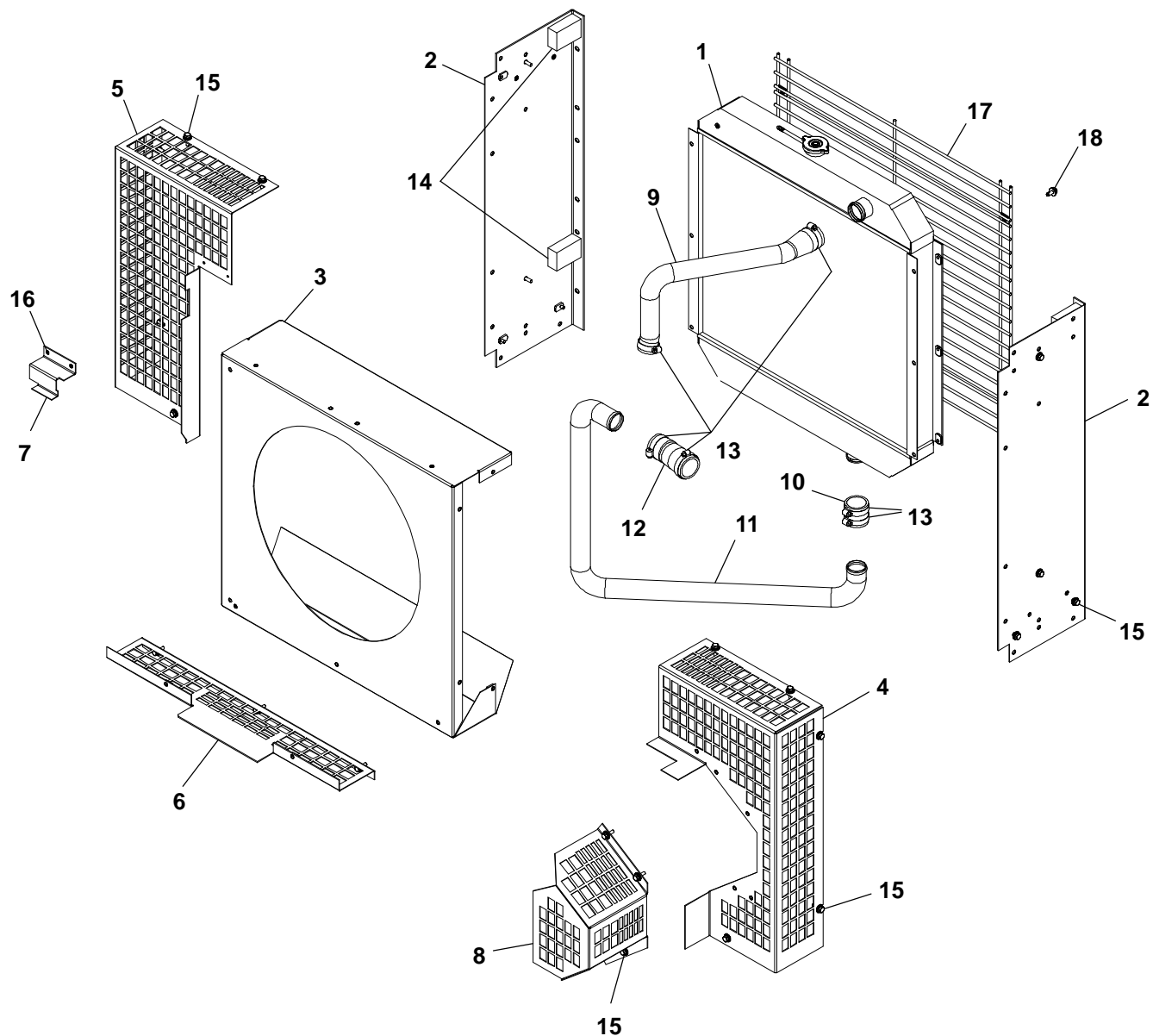
Duct Adapter



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-4623	2	Adapter, Duct – Side
2	130-4622	1	Adapter, Duct – Top

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

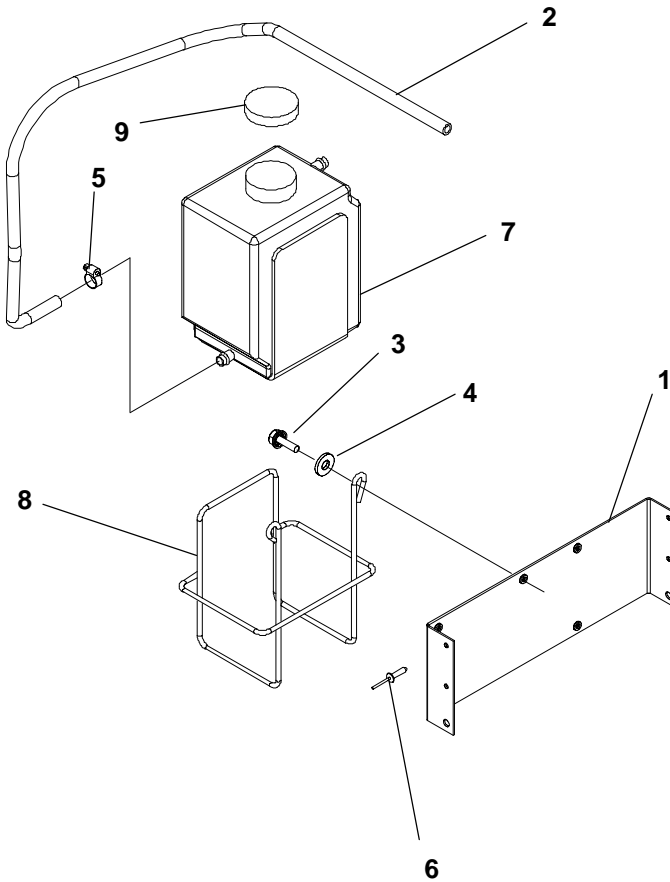
Radiator



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-5114-02	1	Radiator
2	130-4759	2	Housing, Side
3	130-5500-02	1	Shroud
4	130-5501-02	1	Guard, Fan – Left
5	130-5502-02	1	Guard, Fan – Right
6	130-5503-02	1	Guard, Fan – Bottom
7	130-5514-02	1	Guard, Belt
8	191-2323-02	1	Guard, Alternator
9	503-2243	1	Hose, Radiator – Upper
10	503-1391-02	1	Hose, Radiator
11	130-5505-02	1	Hose, Radiator – Lower

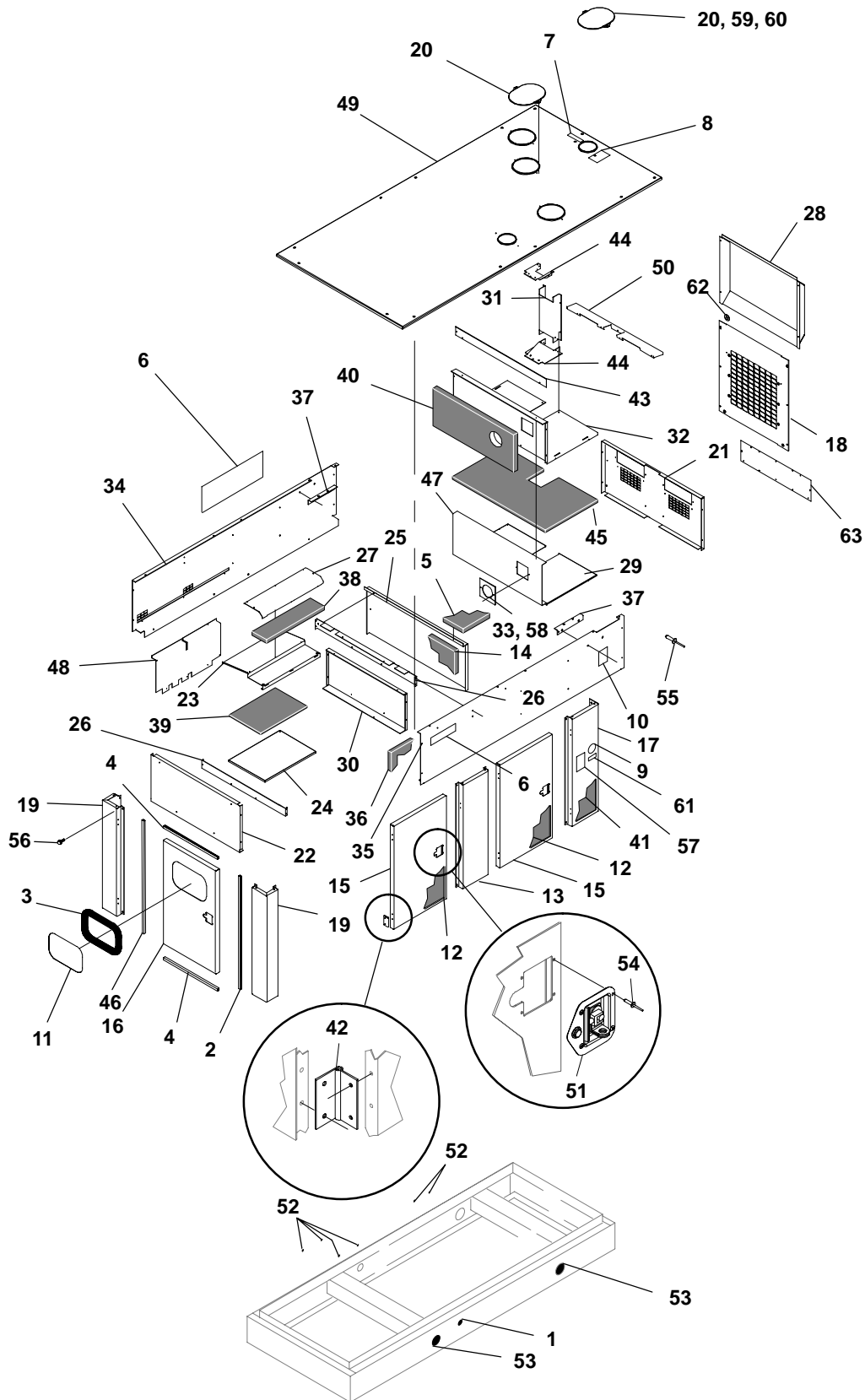
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
12	503-2245	1	Hose, Radiator – Adapter
13	503-0365	6	Clamp, Hose
14	130-5285	1	Block, Air Bypass
15	821-6003-02	24	Screw, Hex Head (M8 x 1.25 x 20)
16	818-0231-02	2	Rivet, Pop
17	130-4602	1	Grille (Unhoused Sets)
18	821-6007-02	6	Screw, Hex Head – Stainless Steel (M8 x 1.25 x 20) (Unhoused Sets)

Overflow Tank



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

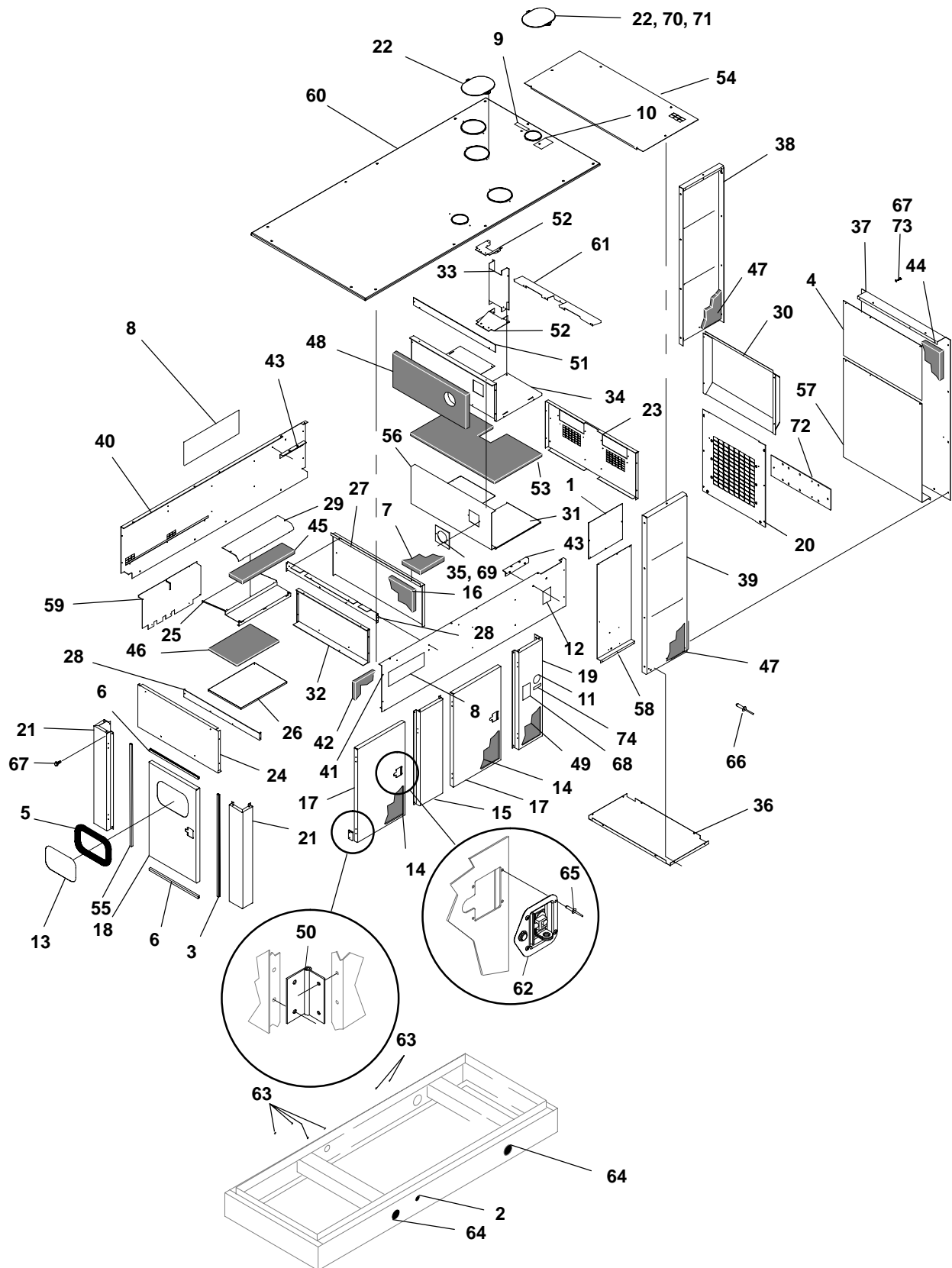
Housing (F172)



Housing (F172)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	517-0138-07	2	Plug, Hole	30	405-5961	2	Retainer, Insulation
2	895-0385	5	Weather Seal – Side	31	405-6030	1	Tube, Fill – Radiator
3	895-0363	–	Weather Strip – Window – Bulk (Order By The Foot – 5 Feet Required)	32	405-5966	1	Box, Muffler
4	895-0384	11	Weather Seal – Top & Bottom	33	405-5987	1	Cover, Exhaust Inlet
5	405-6001-01	1	Fiberglass	34	405-5996	1	Extension, Side – RH
6	098-7913	2	Label, Logo	35	405-5995	1	Extension, Side – LH
7	098-5429	1	Label, Coolant Fill	36	405-5997	1	Fiberglass
8	098-4730	1	Label, Caution	37	405-5998	2	Support, Muffler
9	098-4500	2	Label, Prototype Tested	38	405-6000-02	1	Fiberglass
10	098-7451	2	Label, Caution	39	405-6000-03	1	Fiberglass
11	319-2653	1	Window, Control (if equipped)	40	405-6926	1	Fiberglass
12	405-5734	4	Insulation, Door	41	405-6000-06	2	Fiberglass
13	405-5745	2	Post, Housing – Center	42	406-0831	10	Hinge, Housing
14	405-5841	2	Fiberglass	43	405-6029	1	Baffle
15			Door, Housing	44	405-6003	2	Box, Radiator Fill
	405-5902	4	Sets W/Window	45	405-6005	1	Fiberglass
	405-5902	5	Sets WO/Window	46	895-0386	5	Weather Seal – Side
16	405-5903	1	Door, Housing W/Window Cutout	47	405-6034	1	Retainer, Insulation
17	405-5908	2	Panel, Side – Radiator Housing	48	405-6015	1	Retainer, Insulation
18	405-5910	1	Panel, Front – Radiator Housing	49	405-6018	1	Roof
19	405-5916	2	Post, Corner – Housing	50	405-6068	1	Baffle, Recirculation – Muffler
20	155-3238	4	Cover, Exhaust	51	406-0972-01	5	Latch, Door
21	405-5952	1	Extension, Front	52	517-0131	6	Plug, Hole
22	405-5953	1	Extension, Rear	53	517-0322	4	Plug, Hole
23	405-5954	1	Baffle, Air	54	818-0231-02	111	Rivet (3/16")
24	405-5955	1	Retainer, Insulation	55	818-0237-01	32	Rivet (1/8")
25	405-5956	1	Support, Center	56	821-6007-02	47	Screw (M8 x 20)
26	405-5957	2	Angle, Support	57	098-4732	2	Label, Warning
27	405-5958	1	Retainer, Insulation	58	526-0011	2	Washer, Flat (.203)
28	405-6035	1	Baffle, Air – Discharge	59	870-0504	2	Nut, Captive Floating (M6 x 1.0)
29	405-5960	1	Retainer, Insulation	60	821-6006-01	2	Screw, Hex Head (M6 x 16)
				61	098-7868	1	Label
				62	526-0451	2	Washer, Flat
				63	403-4215	1	Cover, Stub Up

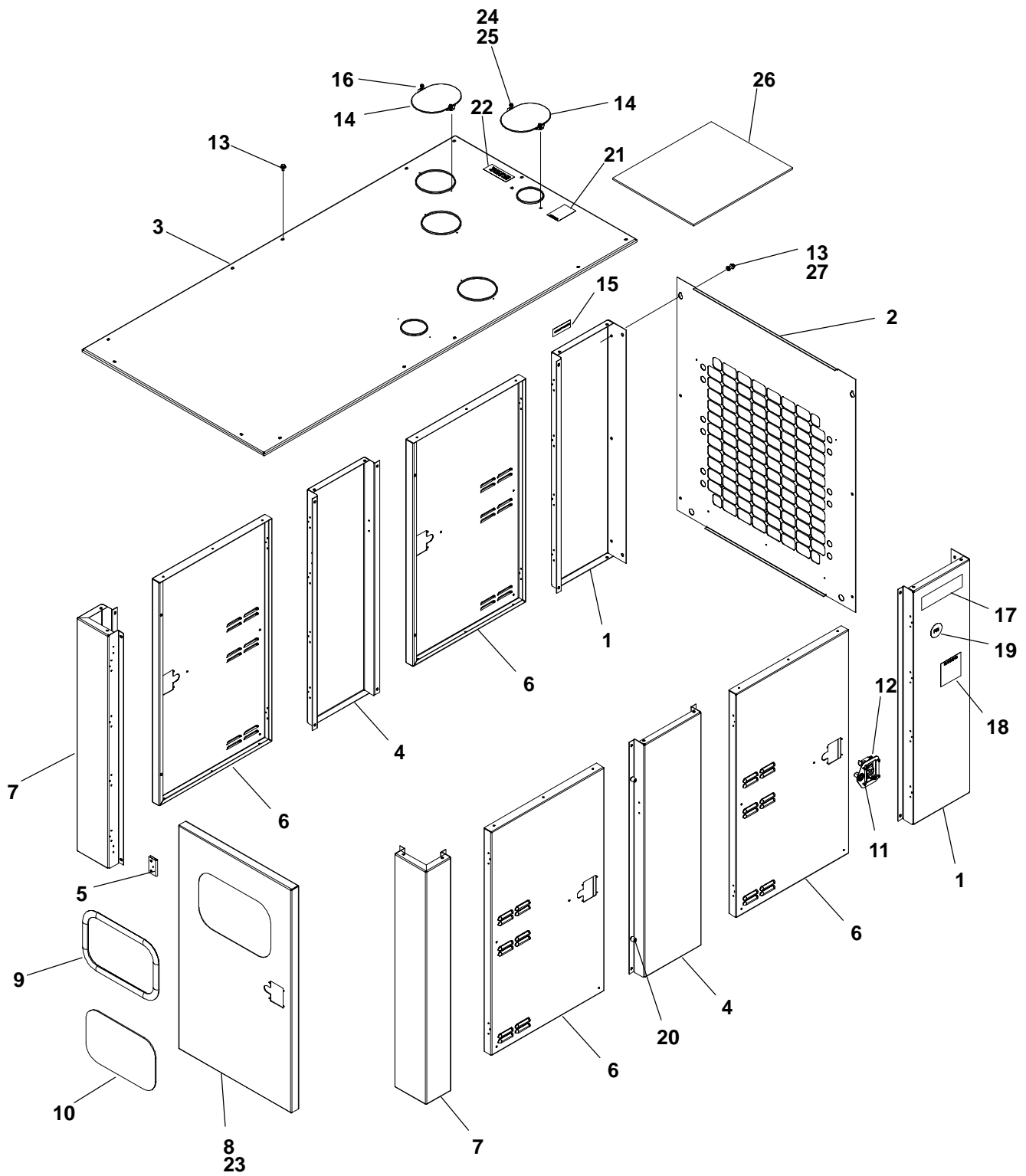
Housing (F173)



Housing (F173)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-6044	2	Retainer, Insulation	36	405-5988	1	Panel, Bottom
2	517-0138-07	2	Plug, Hole	37	405-5990	1	Cover, Air Discharge
3	895-0385	5	Weather Seal – Side	38	405-5991-01	1	Side, Discharge – RH
4	405-6132	1	Retainer, Insulation	39	405-5991-02	1	Side, Discharge – LH
5	895-0363	–	Weather Strip – Window – Bulk (Order By The Foot – 5 Feet Required)	40	405-5996	1	Extension, Side – RH
6	895-0384	12	Weather Seal – Top & Bottom	41	405-5995	1	Extension, Side – LH
7	405-6001-01	1	Fiberglass	42	405-5997	1	Fiberglass
8	098-7913	2	Label, Logo	43	405-5998	2	Support, Muffler
9	098-5429	1	Label, Coolant Fill	44	405-6927	1	Fiberglass
10	098-4730	1	Label, Caution	45	405-6000-02	1	Fiberglass
11	098-4500	2	Label, Prototype Tested	46	405-6000-03	1	Fiberglass
12	098-7451	2	Label, Caution	47	405-6000-04	2	Fiberglass
13	319-2653	1	Window, Control (If Equipped)	48	405-6926	1	Fiberglass
14	405-5734	4	Insulation, Door	49	405-6000-06	2	Fiberglass
15	405-5745	2	Post, Housing – Center	50	406-0831	10	Hinge, Housing
16	405-5841	2	Fiberglass	51	405-6029	1	Baffle
17			Door, Housing	52	405-6003	2	Box, Radiator Fill
	405-5902	4	Sets W/Window	53	405-6005	1	Fiberglass
	405-5902	5	Sets WO/Window	54	405-6010	1	Cover, Air Discharge (Top)
18	405-5903	1	Door, Housing W/Window Cutout	55	895-0386	5	Weather Seal – Side
19	405-5908	2	Panel, Side – Radiator Housing	56	405-6034	1	Retainer, Insulation
20	405-5910	1	Panel, Front – Radiator Housing	57	405-6013	1	Retainer, Insulation
21	405-5916	2	Post, Corner – Housing	58	405-6014	2	Retainer, Insulation
22	155-3238	4	Cover, Exhaust	59	405-6015	1	Retainer, Insulation
23	405-5952	1	Extension, Front	60	405-6018	1	Roof
24	405-5953	1	Extension, Rear	61	405-6068	1	Baffle, Recirculation – Muffler
25	405-5954	1	Baffle, Air	62	406-0972-01	5	Latch, Door
26	405-5955	1	Retainer, Insulation	63	517-0131	6	Plug, Hole
27	405-5956	1	Support, Center	64	517-0322	4	Plug, Hole
28	405-5957	2	Angle, Support	65	818-0231-02	111	Rivet (3/16")
29	405-5958	1	Retainer, Insulation	66	818-0237-01	66	Rivet (1/8")
30	405-6035	1	Baffle, Air Discharge	67	821-6007-02	65	Screw (M8 x 20)
31	405-5960	1	Retainer, Insulation	68	098-4732	2	Label, Warning
32	405-5961	2	Retainer, Insulation	69	526-0011	2	Washer, Flat (.203)
33	405-6030	1	Tube, Fill – Radiator	70	870-0504	2	Nut, Captive Floating (M6 x 1.0)
34	405-5966	1	Box, Muffler	71	821-6006-01	2	Screw, Hex Head (M6 x 16)
35	405-5987	1	Cover, Exhaust Inlet	72	403-4215	1	Cover, Stub Up
				73	526-0451	2	Washer, Flat – Stainless Steel
				74	098-7868	1	Label

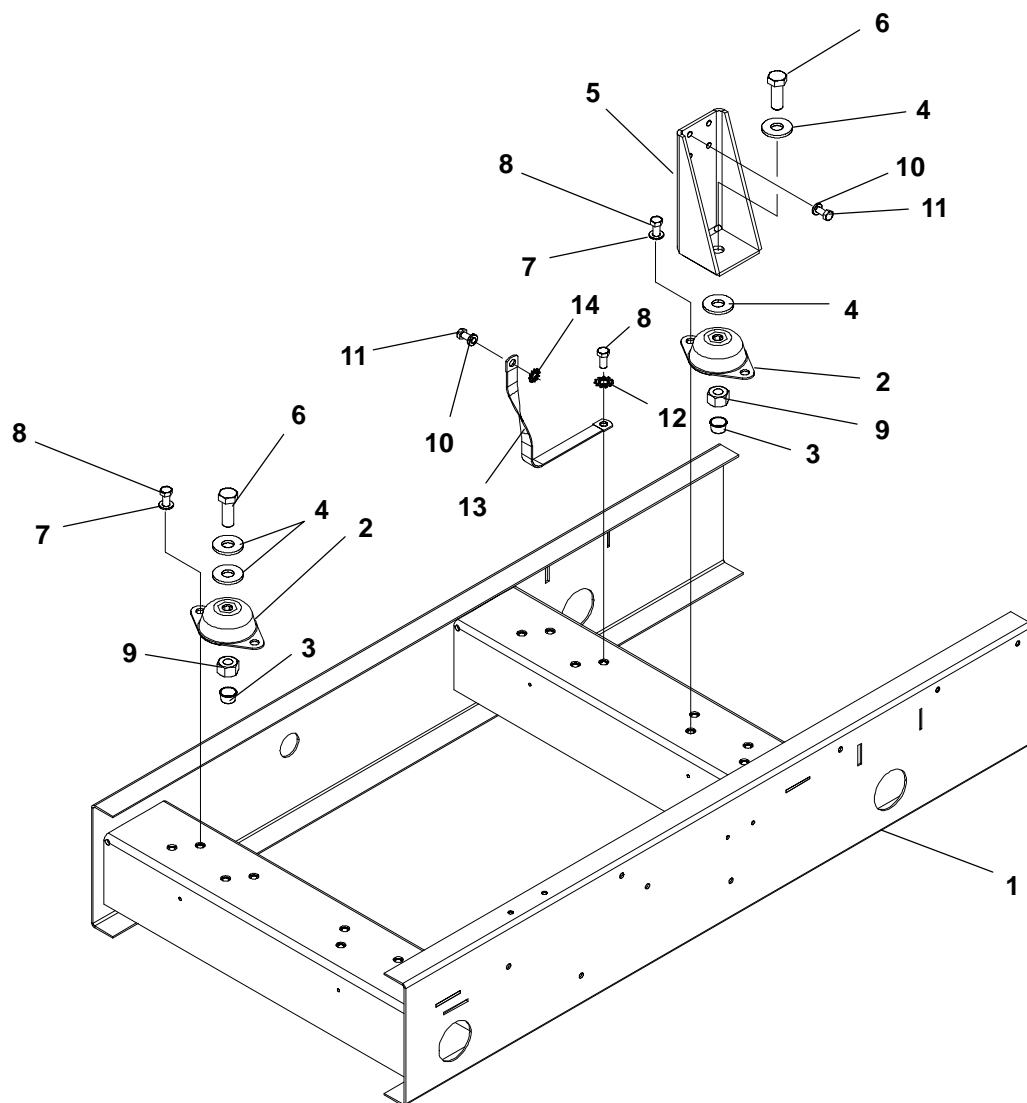
Housing (F182)



Housing (F182)

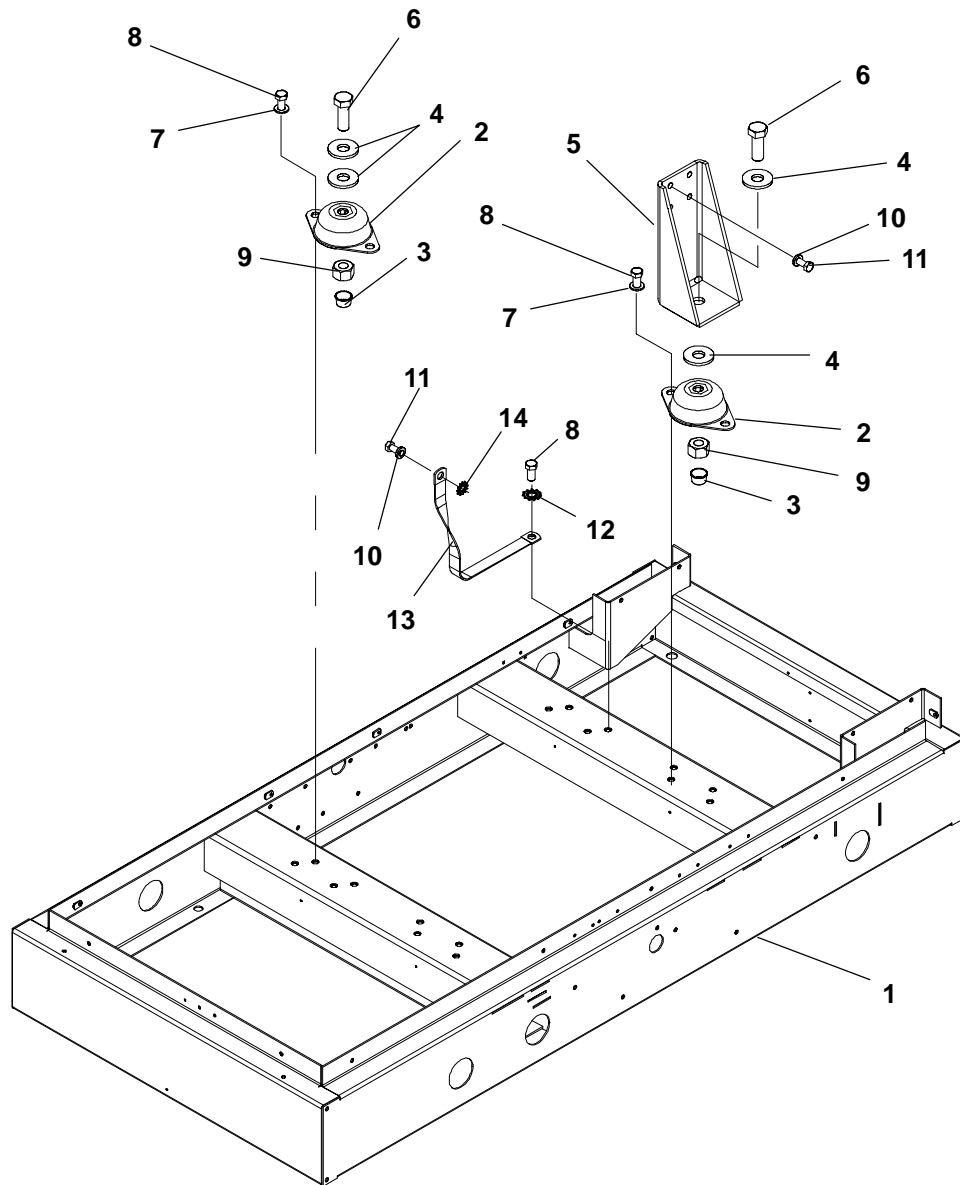
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-5908	2	Panel, Side – Radiator Housing	14	155-3238	4	Cover, Exhaust
2	405-5910	1	Panel, Front – Radiator Housing	15	098-7868	1	Label
3	405-6018	1	Roof	16	818-0237-01	6	Rivet, Pop
4	405-5745	2	Post, Housing – Center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

Skid – Basic



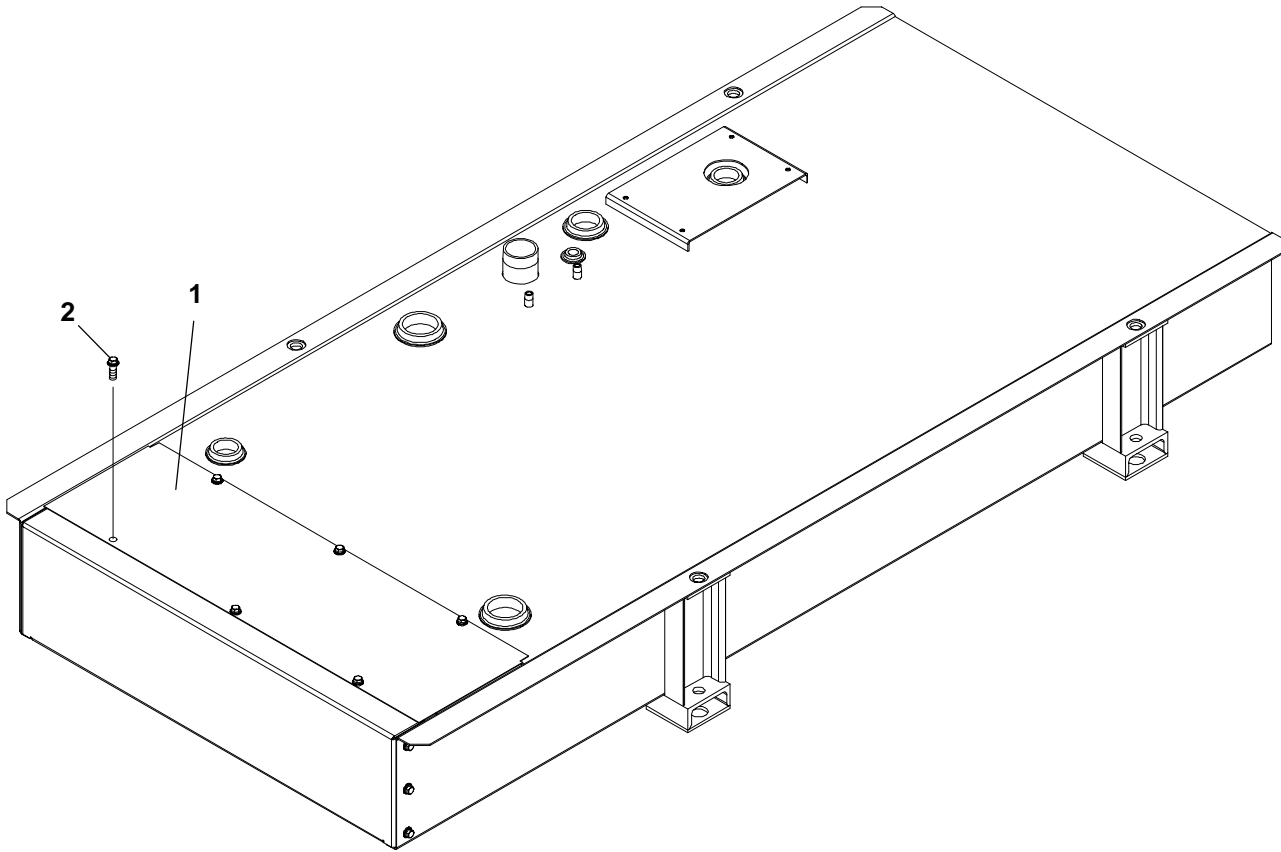
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	403-4616-02	1	Skid	8	800-2543-02	9	Screw, Cap – Hex Head (M12 x 1.75 x 25)
2	402-0730	4	Cushion, Mounting – Vibration Isolation	9	862-0044	4	Nut, Hex (3/4 x 10)
3	517-0094	4	Plug, Hole	10	526-0174	9	Washer, Flat (3.4)
4	526-0238-01	8	Washer, Flat (3/4)	11	800-2530-03	9	Screw, Cap – Hex Head (M10 x 1.5 x 25)
5	403-4617-02	2	Bracket, Engine	12	856-0013	1	Washer, Lock – W/EIT (1/2)
6	800-0607	4	Screw, Cap – Hex Head (3/4-10 x 2)	13	337-0090	1	Strap, Electrical
7	526-0433	8	Washer, Hardened	14	856-0010	1	Washer, Lock – W/EIT (3/8)

Skid – Housing Ready/Fuel Tank Ready



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	403-4615-02	1	Skid	8	800-2543-02	9	Screw, Cap – Hex Head (M12 x 1.75 x 25)
2	402-0730	4	Cushion, Mounting – Vibration Isolation	9	862-0044	4	Nut, Hex (3/4 x 10)
3	517-0094	4	Plug, Hole	10	526-0174	9	Washer, Flat (3.4)
4	526-0238-01	8	Washer, Flat (3/4)	11	800-2530-03	9	Screw, Cap – Hex Head (M10 x 1.5 x 25)
5	403-4617-02	2	Bracket, Engine	12	856-0013	1	Washer, Lock – W/EIT (1/2)
6	800-0607	4	Screw, Cap – Hex Head (3/4-10 x 2)	13	337-0090	1	Strap, Electrical
7	526-0433	8	Washer, Hardened	14	856-0010	1	Washer, Lock – W/EIT (3/8)

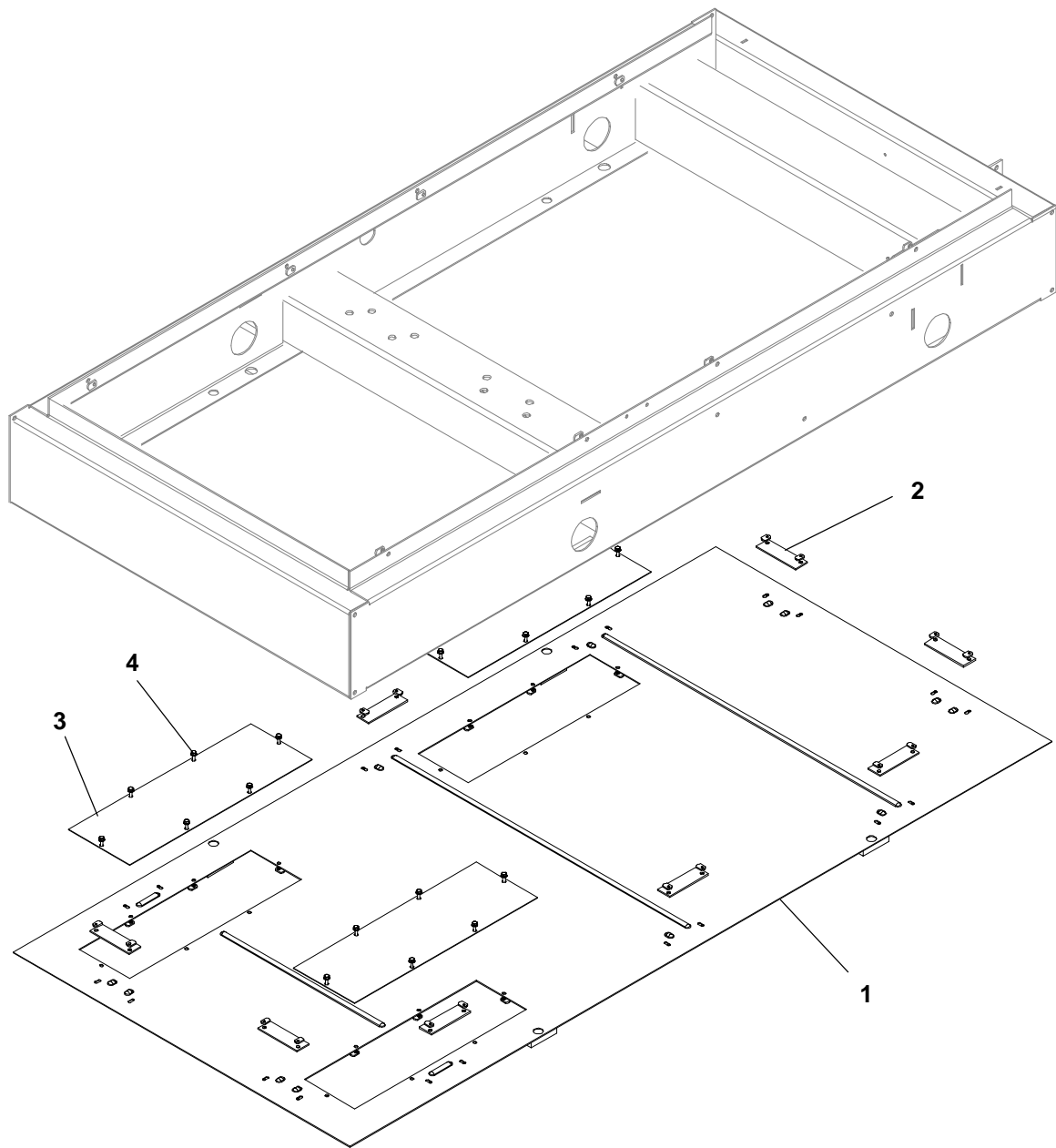
Sound Barrier



F172,173

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

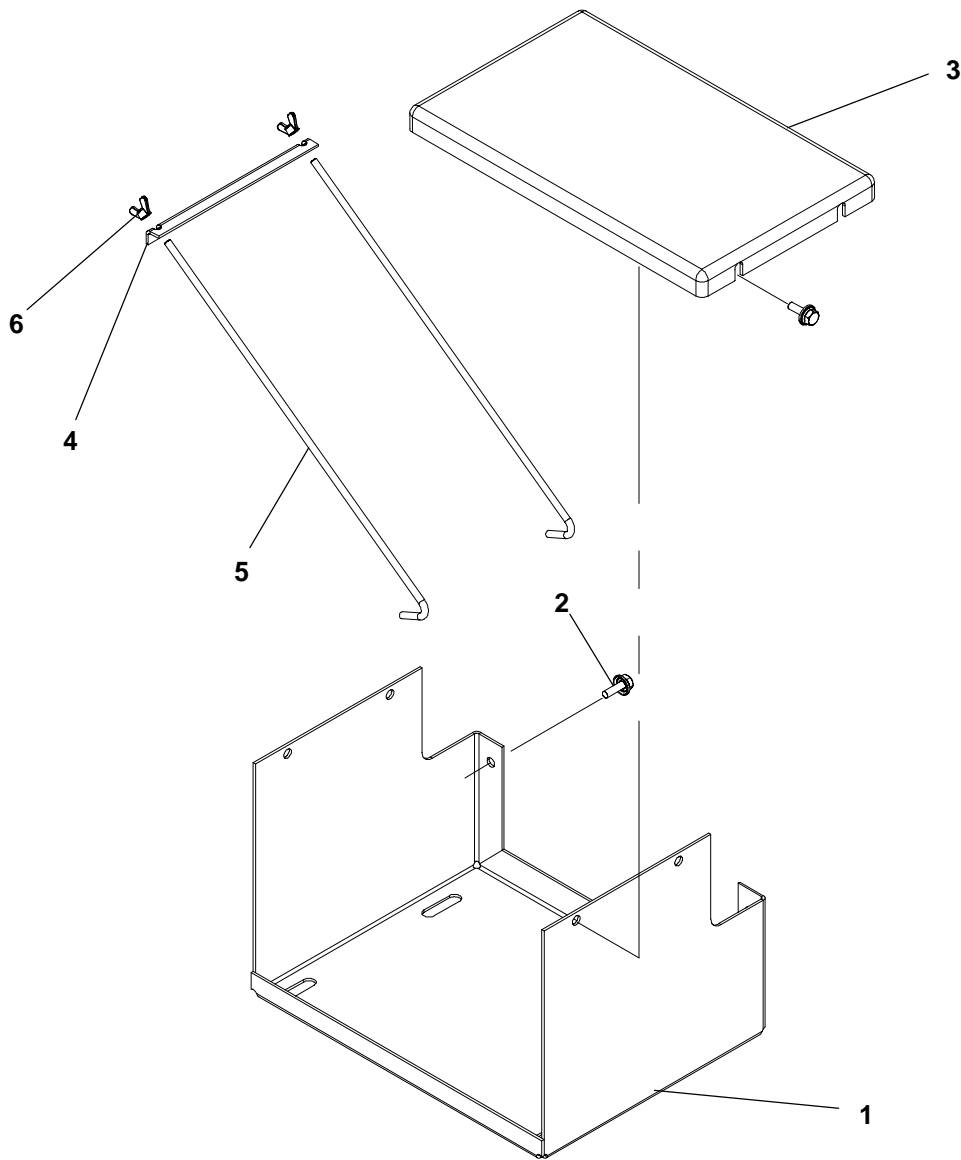
Skid Pan



F170

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

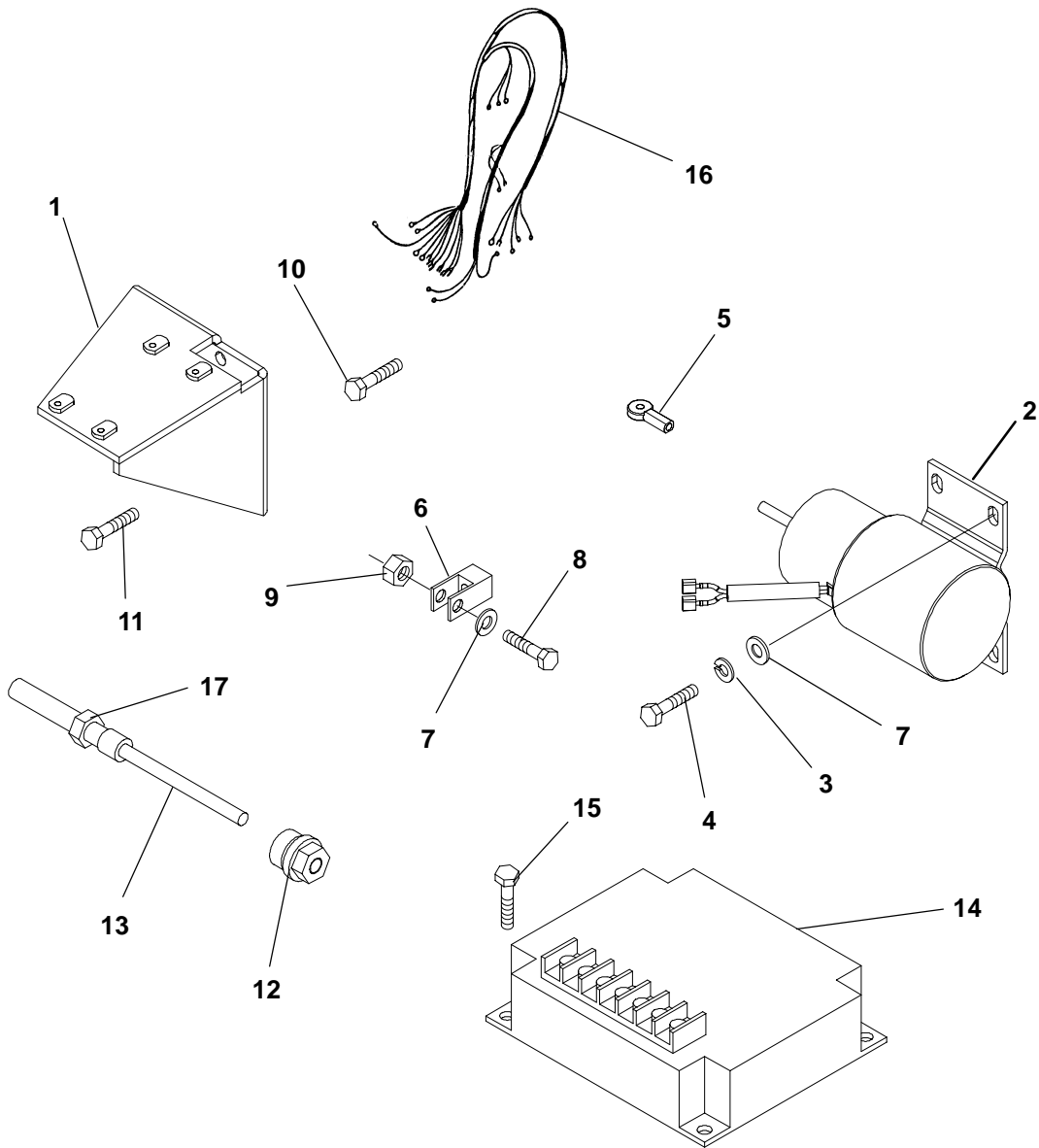
Battery Tray



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	416-1100-02	1	Tray, Battery
2	821-6003-02	7	Screw, Hex Head (M8 x 1.25 x 20)
3	416-1101	1	Cover, Battery

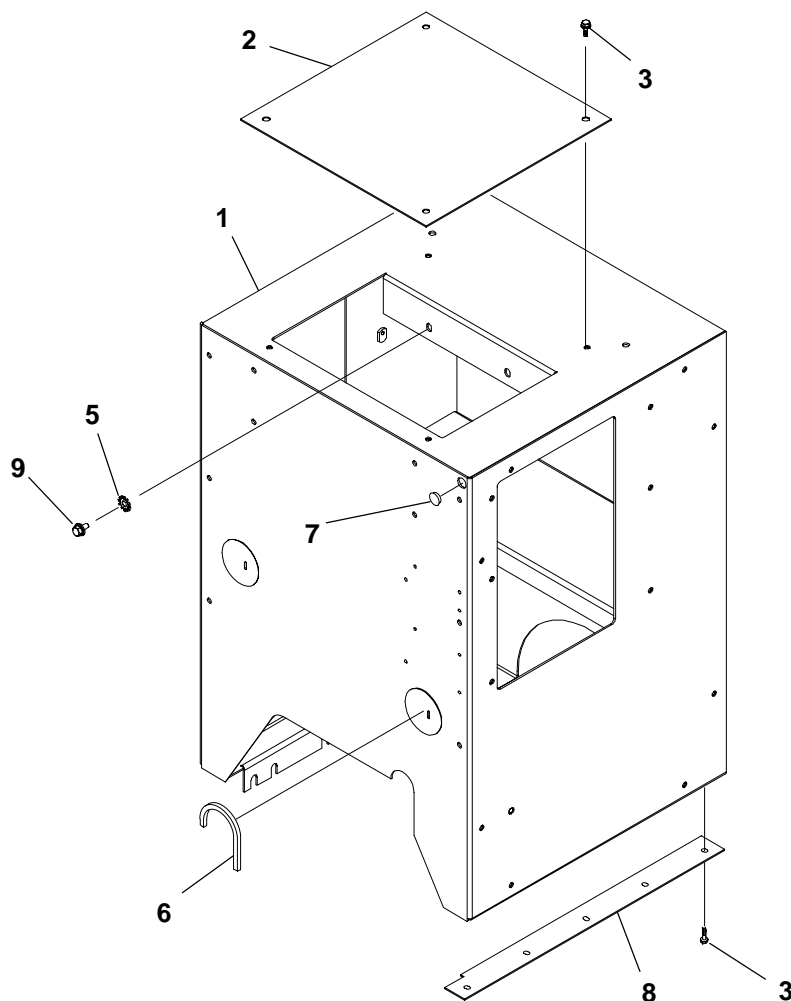
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	416-1103-02	1	Hold Down, Battery
5	416-0993-02	2	Rod, Battery Hold Down
6	865-0030	2	Nut, Wing

Electronic Governor



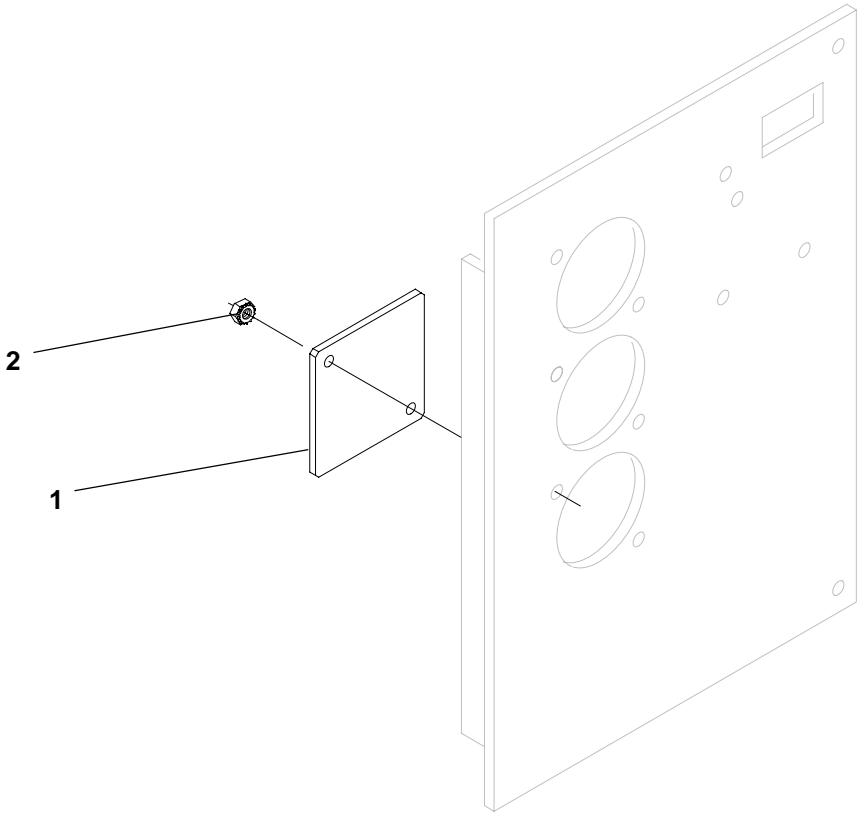
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	150-2780-02	1	Bracket, Governor	10	800-2096	2	Screw, Cap – Hex Head (M10 x 1.5 x 75)
2	150-2781	1	Actuator, Linear	11	800-2097	1	Screw, Cap – Hex Head (M10 x 1.5 x 80)
3	850-2006	4	Washer, Lock – Split (M6)	12	502-1400-02	1	Adapter, Bushing
4	800-2034	4	Screw, Cap – Hex Head (M6 x 1 x 20)	13	150-2651	1	Pick-Up, Magnetic
5	150-2120	1	Rod, End	14	151-0754-02	1	Control, Governor
6	150-2682	1	Clevis, Governor	15	821-6001-01	4	Screw, Hex Head (M5 x 0.8 x 10)
7	526-0018	6	Washer, Flat (1/4)	16	338-4073	1	Harness, Governor
8	800-0007	1	Screw, Cap – Hex Head (1/4 x 20 x 1)	17	868-0001	1	Nut, Hex – Jam (1/4–20)
9	862-0001	1	Nut, Hex (1/4–20)				

Control Housing



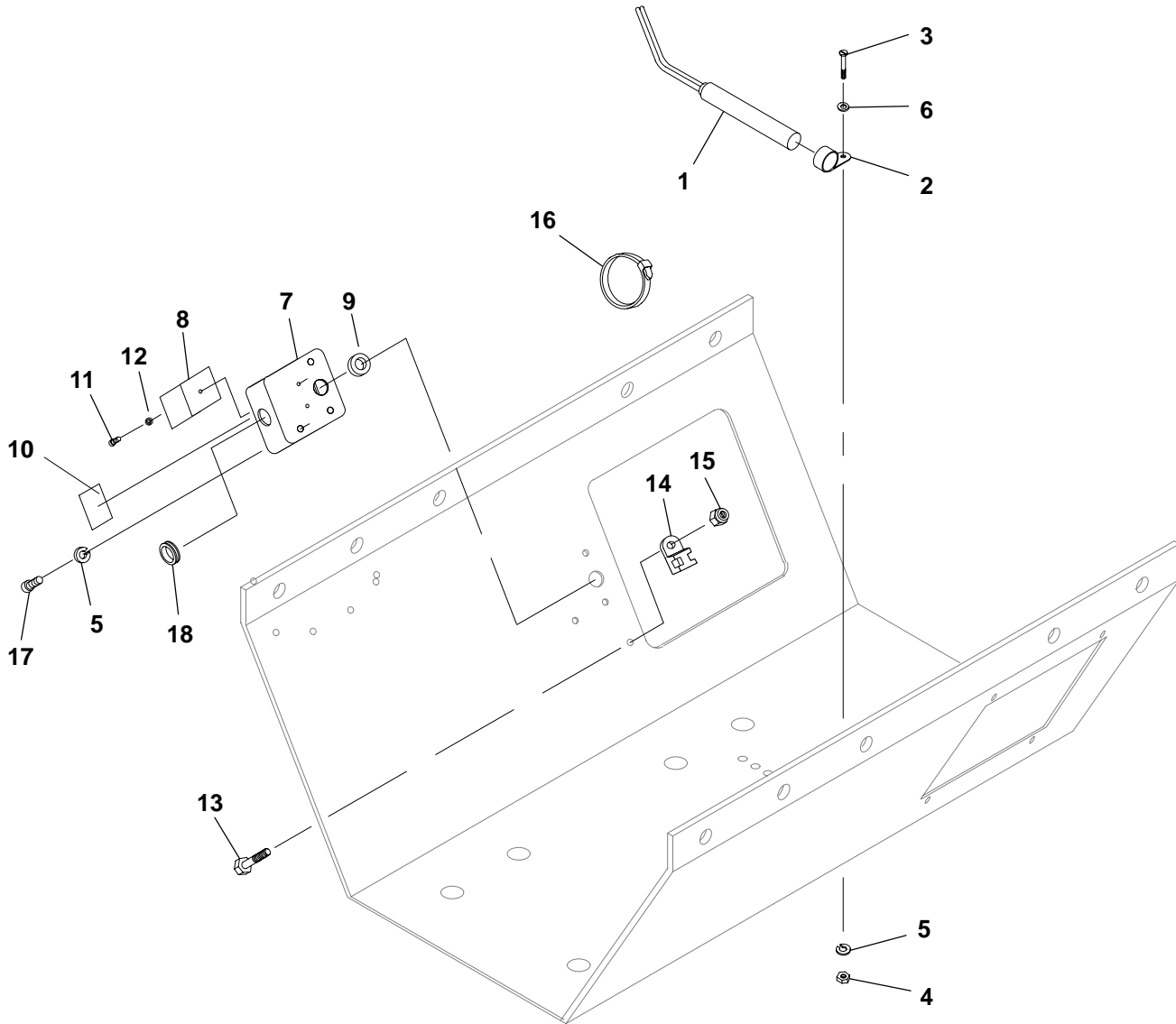
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3208	1	Panel, Housing – Control	6	508-0305-02 .33'		Edging
2	319-2996	1	Cover, Housing – Control	7	517-0135	1	Plug, Hole
3	821-6002-03	9	Screw, Hex Head (M6 x 16)	8	319-3207	1	Bracket, Control Mounting
4	821-5003-01	3	Screw, Hex Head (5/16-18 x .50)	9	821-5003-03	1	Screw, Hex Head (5/16-18 x .75)
5	856-0008	1	Washer, Lock – ET (5/16)				

Control Door Cover



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-5498-02	A/R	Cover, Control Door – Meters	2	870-0131	A/R	Nut, Hex – W/ET (#10-32)

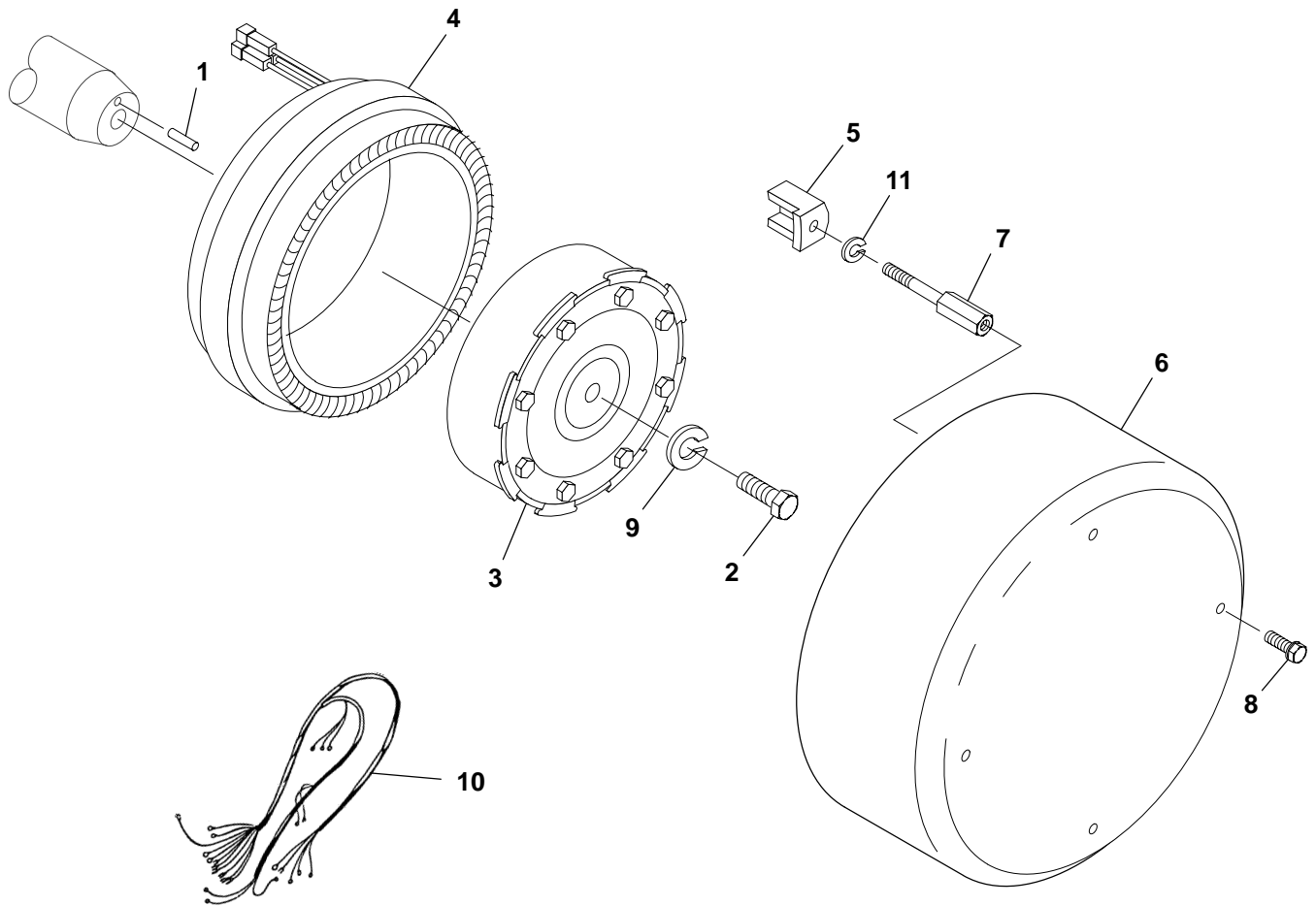
Generator Heater



A292,293

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				

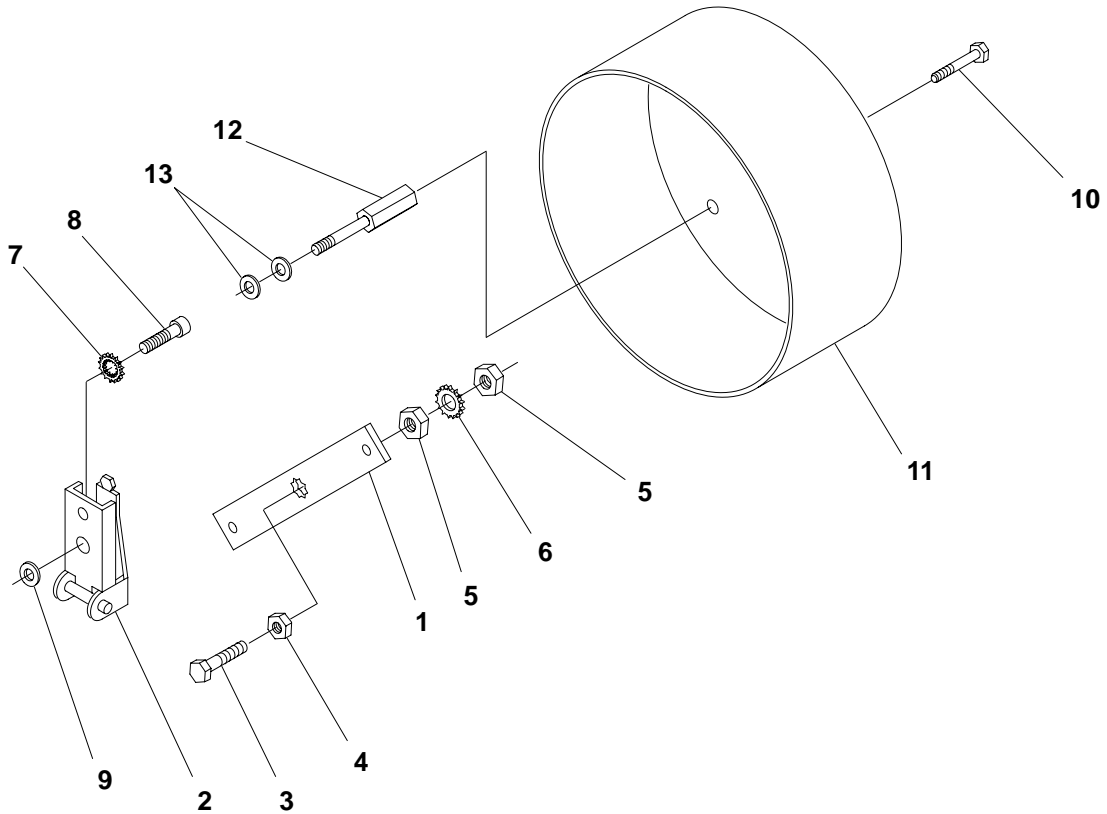
Permanent Magnet Generator



CP01

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

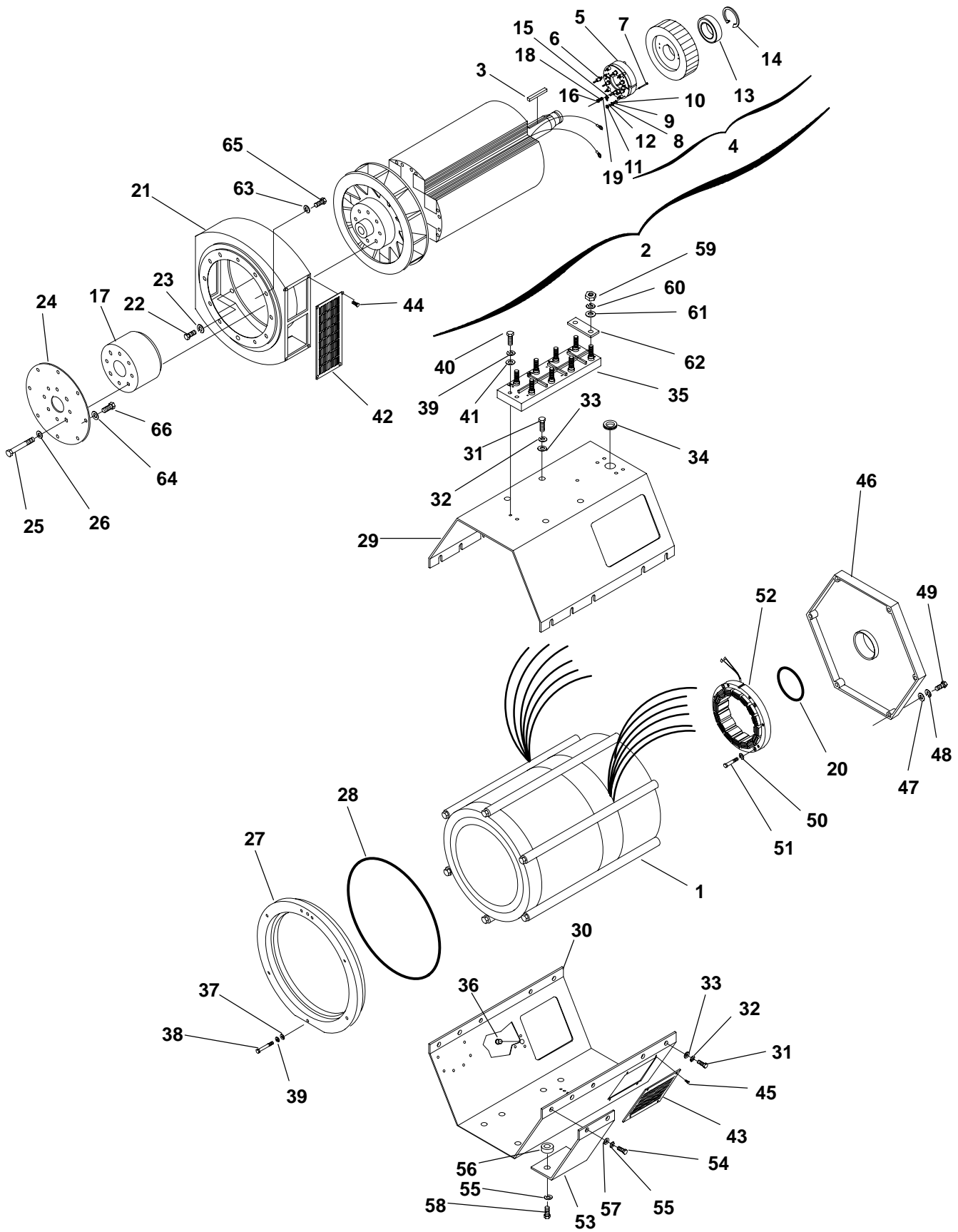
Mechanical Overspeed Switch



B240

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	150-2309	1	Bracket, Overspeed	9	526-0240	1	Washer, Flat (.406 x 1.5 x .125)
2	150-0956	1	Switch, Overspeed	10	821-6001-01	4	Screw, Hex Head (M5 x .08 x 10)
3	150-0723	1	Point, Overspeed	11	234-0875-01	1	Cover, End Bell
4	870-0250	1	Nut, Insulating (1/4-20)	12	232-3462-01	4	Spacer, Cover
5	862-0001	2	Nut, Hex (1/4-20)	13	526-2080	4	Washer, Flat (M8)
6	853-0013	1	Washer, Lock - ET (1/4)				
7	856-0010	1	Washer, Lock - EIT (3/8)				
8	800-2088	1	Screw, Cap - Hex Head (M10 x 35)				

Generator



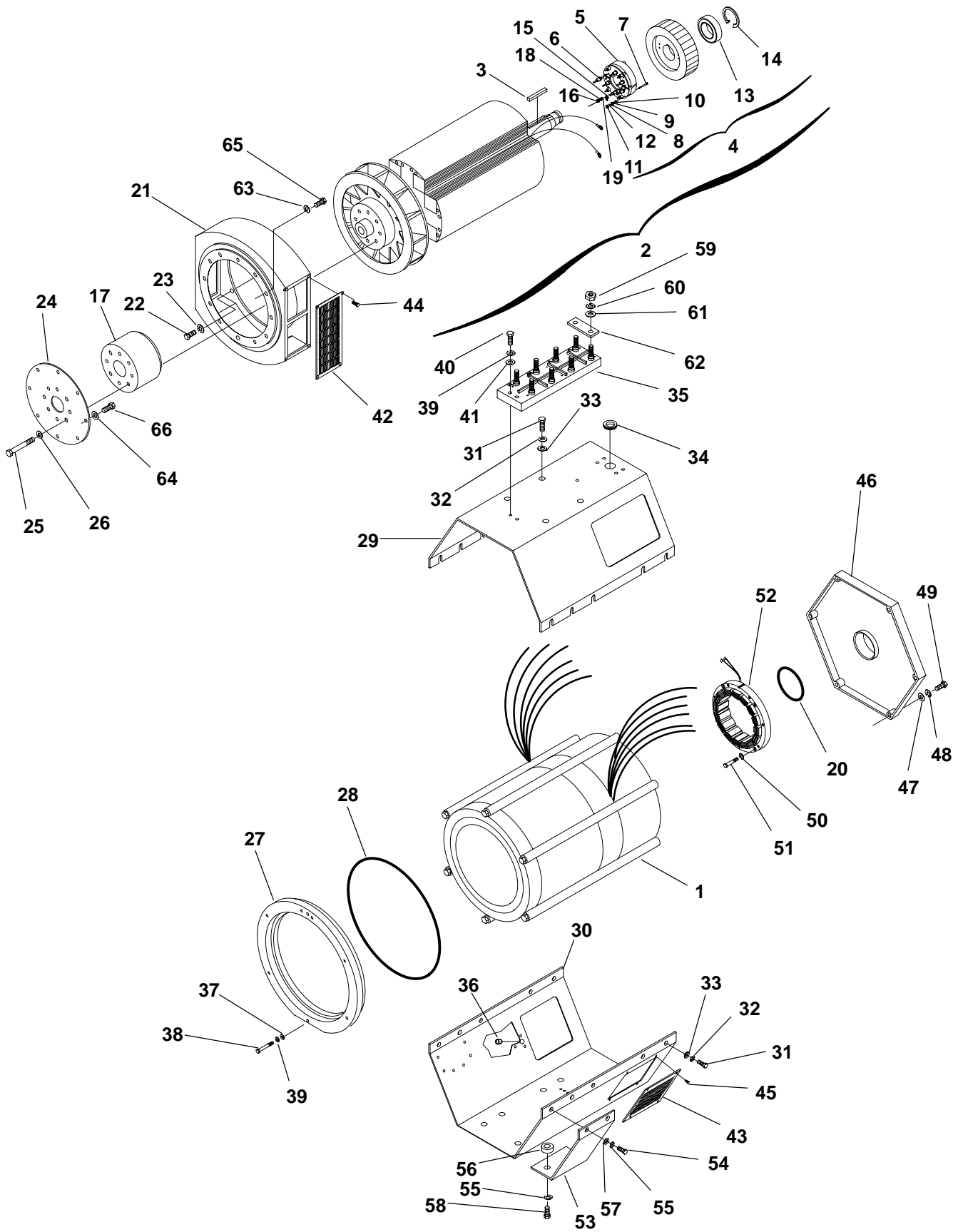
Generator

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

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

Continued...

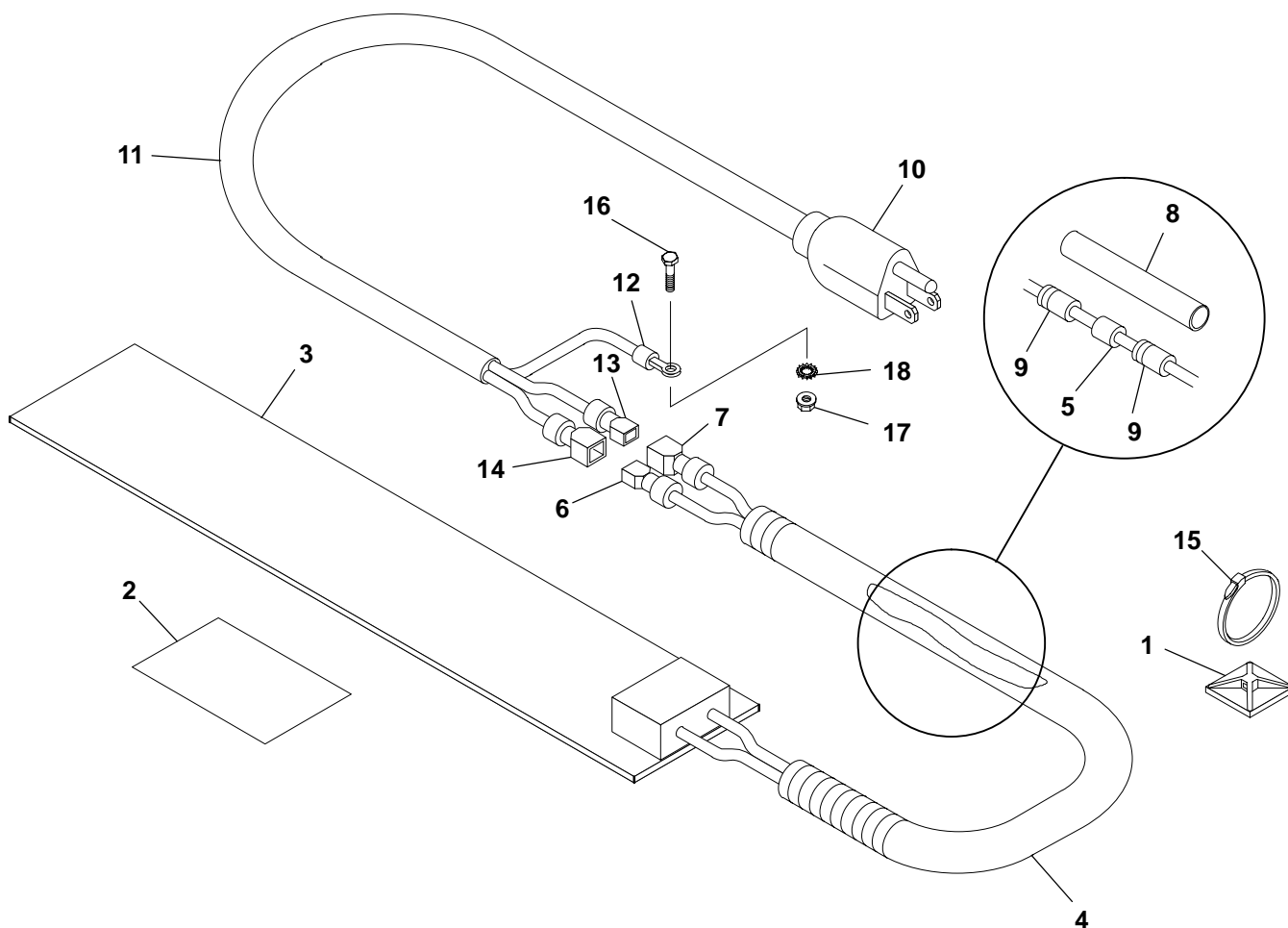
Generator



Generator

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

Control Heater

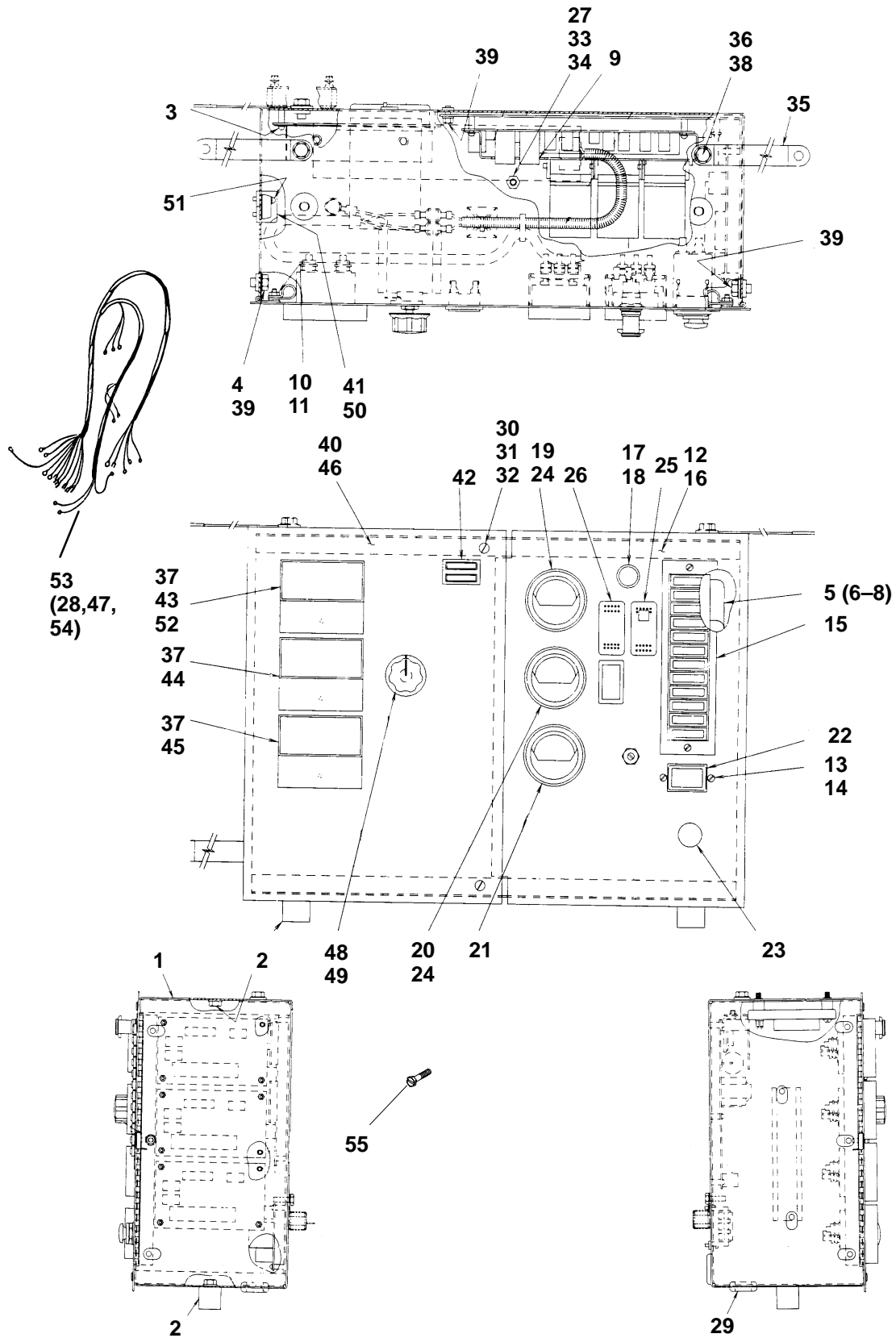


A363,363

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-2420	2	Mount, Tie – Cable	11	335-0110	1	* Cable
2	098-6195	1	Label, Caution	12	332-2697	1	* Terminal, Ring
3			Heater, Control	13	332-1992	1	* Terminal, Receptacle
	333-0550-01	1	120 Volt	14	332-2430	1	* Terminal, Tab
	333-0550-02	1	240 Volt	15	332-0942	3	Tie, Cable
4	898-1195-01	A/R	Sleeving, Convoluted	16	800-0024	1	Screw, Cap – Hex Head (5/16-18 x 3/4)
5	357-0114	1	Rectifier, Power	17	870-0257	1	Nut, Hex – Self Locking (5/16-18)
6	332-1992	1	Terminal, Receptacle	18	856-0008	2	Washer, Lock EIT (5/16)
7	332-2430	1	Terminal, Tab				
8	898-0860	A/R	Tubing, Heat Shrink				
9	332-1789	2	Splice, Window (18 Gauge)				
10	335-0173	1	Cable, Heater – Control (Includes Parts Marked *)				

* – Parts Included In 335-0173 Heater Cable

Detector Control



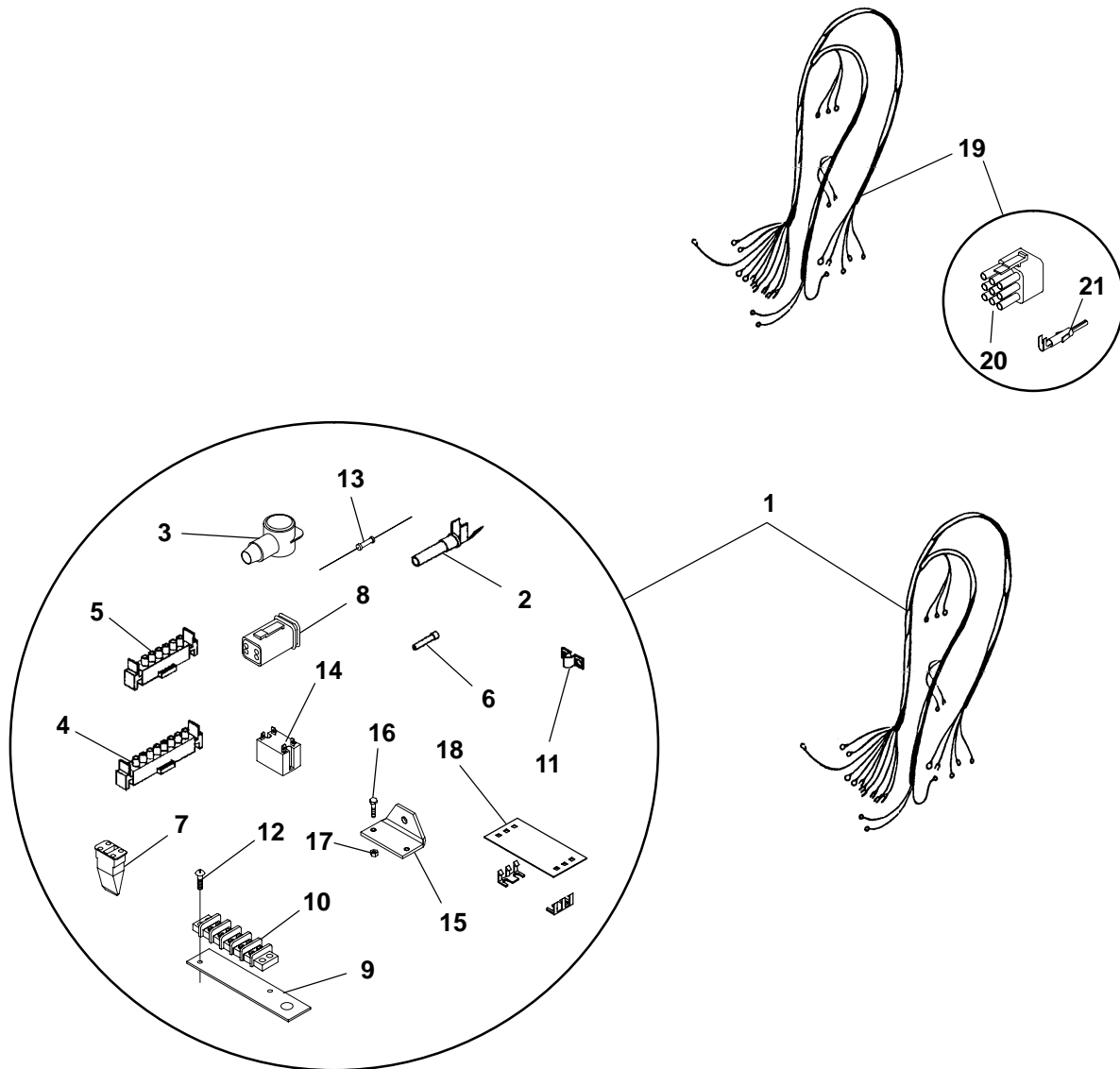
Detector Control

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3030	1	Box, Control	30	406-0332	2	Receptacle, Fastener
2	402-0527	4	Isolator, Vibration	31	406-0333	2	Stud, Fastener
3	815-0388	6	Screw, Machine – Round Head – Cross Recessed – Thread Cutting (#6-32 x 1/2)	32	406-0334	2	Washer, Stud Retainer
4	821-5000-05	3	Screw, Hex Head (#10-32 x 1/2)	33	871-0015	1	Nut, Hex (1/4-20)
5	338-3252	1	Harness – DC (Includes Parts Marked *)	34	526-0018	1	Washer, Flat (1/4)
6	323-1308	1	*Housing, PCB (12 Pin)	35	337-0049	3	Strap, Ground
7	323-1302	A/R	*Pin, Contact	36	800-0014	7	Screw, Cap – Hex Head (5/16-18 x 1/2)
8	332-1445	A/R	*Tie, Cable	37	870-1220	6	Nut (#4-40)
9			Board, PC – Engine Monitor	38	856-0008	2	Washer, Lock – EIT (5/16)
	300-4294	1	7 Light	39	821-0004	3	Screw, Locking Head (#10-32 x 5/16)
	300-4296	1	12 Light	40	301-9054-01	1	Door, Control (LH)
10	332-0052	1	Clip, Wire	41	338-2278	1	Harness – AC
11	870-0131	1	Nut, Hex W/ET (#10-32)	42	322-0363	1	Lamp Assembly (Upper/Lower Scale)
12	301-9055-01	1	Door, Control (RH)	43	302-1148	1	Voltmeter – AC
13	815-0385	4	Screw, Machine – Round Head (#6-32 x 1/2) (Black Zinc)	44			Ammeter – AC
14	870-0183	4	Nut, Hex – W/ET (#6-32)		302-1685	1	0-200/0-400
15			Lamp Assembly		302-1724	1	0-250/0-500
	322-0359-01	1	7 Light		302-1725	1	0-375/0-750
	322-0360-01	1	12 Light	45	302-1968	1	Meter, Frequency (45-65 Hz.)
16	098-7477	1	Label, Panel – DC (Front)	46	098-5298	1	Label, Panel – AC (Front)
17	322-0361	1	Light, Panel	47	323-1648	A/R	@ Socket, Terminal
18	322-0004		Lamp, Pilot	48	853-0008	1	Washer, Lock – ET (#10)
19	193-0466	1	Gauge, Oil Pressure	49	308-1052	1	Switch, Rotary (Volt/Ammeter)
20	193-0351	1	Gauge, Water Temperature	50	332-2723	1	Strip, Marker
21			Voltmeter	51	815-0901-06	2	Screw, Cross Recessed – Thread Cutting (#6-32 x 5/8)
	302-1641	1	8-18 Volt	52	355-0189	1	Capacitor
	302-1642	1	16-36 Volt	53	338-3429	1	Harness, TB21 (Includes Parts Marked @)
22	302-2002	1	Meter, Time Totalizing	54	323-1644-02	1	@ Housing, Cap
23	517-0131	1	Plug, Hole	55	815-0875-02	3	Screw, Machine – Pan Head (M4 x 0.7 x 8)
24	193-0250	2	Resistor, Gauge				
25	308-1010	1	Switch, Rocker (W/Light)				
26	308-1011	1	Switch (WO/Light)				
27	853-0008	4	Washer, Lock – ET (#10)				
28	332-1445	A/R	@ Tie, Cable				
29	508-0051	1	Grommet (2")				

* – Parts Included in 338-3252 Wiring Harness

@ – Parts Included in 338-3429 Wiring Harness

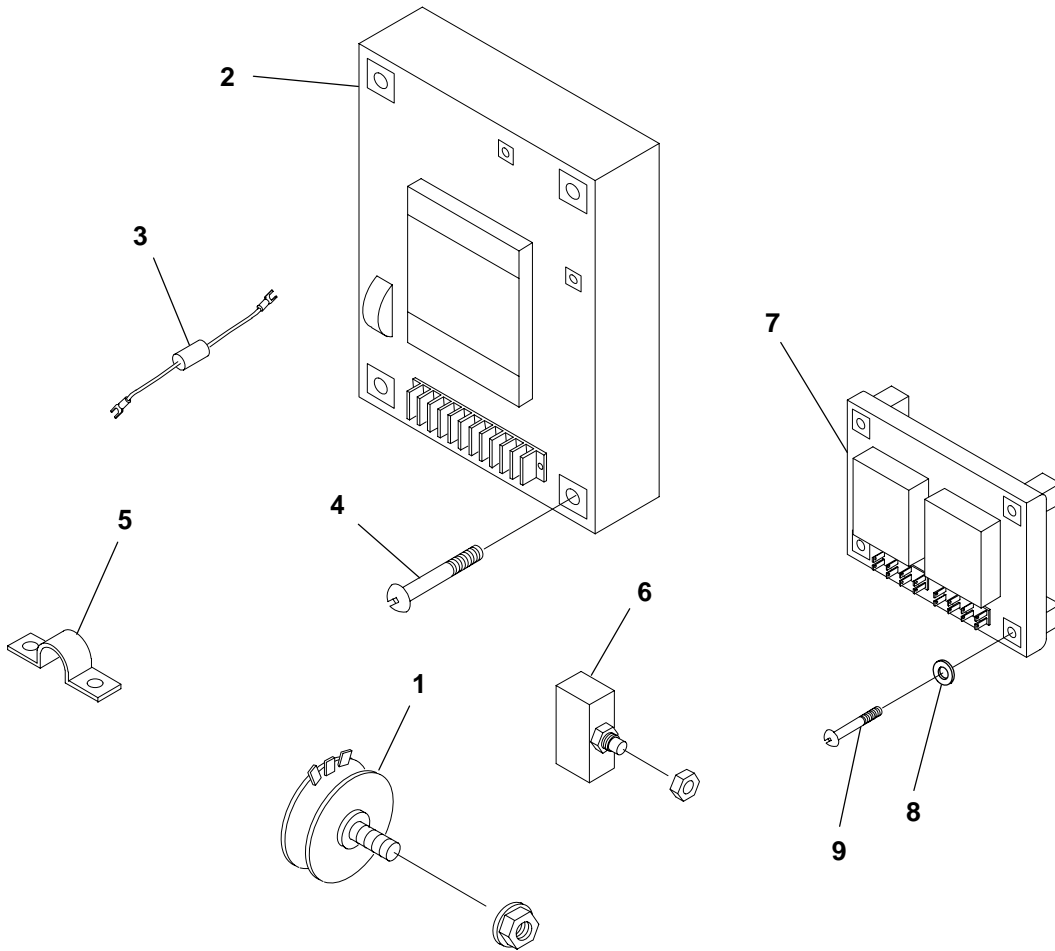
Engine Wiring Harness AC Wiring Harness



Engine Wiring Harness AC Wiring Harness

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-4074	1	Harness, Wiring – Engine to Control (Includes Parts Marked *)	13	359-0115	1	* Diode, Zener (3.6V)
2	323-1200	12	* Socket, Contact	14	307-2968-03	2	* Relay, Power
3	416-1021-02	1	* Boot – 10-16 AWG	15	307-2982-02	2	* Bracket, Relay
4	323-1306	1	* Housing, Connector – J1 (8 Place)	16	812-0079	2	* Screw (#8-32 x .5)
5	323-1304	1	* Housing, Connector – J2 (6 Place)	17	870-0221	2	* Nut, Hex – W/ET (#8-32)
6	323-1591	1	* Plug, Seal	18	332-3792-01	1	* Cover, Terminal Box (Includes 2 Nylon Clips)
7	323-1548	1	* Wedge, Plug – 4 Pin	19			Harness, Wiring – AC Auxiliary (Includes Parts Marked +)
8	323-1546	1	* Plug – 4 Pin		338-3405	1	600 Volts
9	319-2006-01	1	* Bracket, Terminal Mounting		338-3403	1	Less than 600 Volts
10	332-0604	1	* Block, Terminal (T26)	20			+ Connector, Plug (9 Place) 600 Volts
11	332-1043	4	* Jumper (T26)		323-1644-01	2	600 Volts
12	815-0538	2	* Screw, Machine – Round Head – Cross Recessed W/IT (8-32 x 50)		323-1644-01	1	Less than 600 Volts
				21	323-1647	A/R	+ Pin, Contact
							* – Parts Included in 338-3390 Wiring Harness
							+ – Parts Included in 338-3405 and 338-3403 Wiring Harness

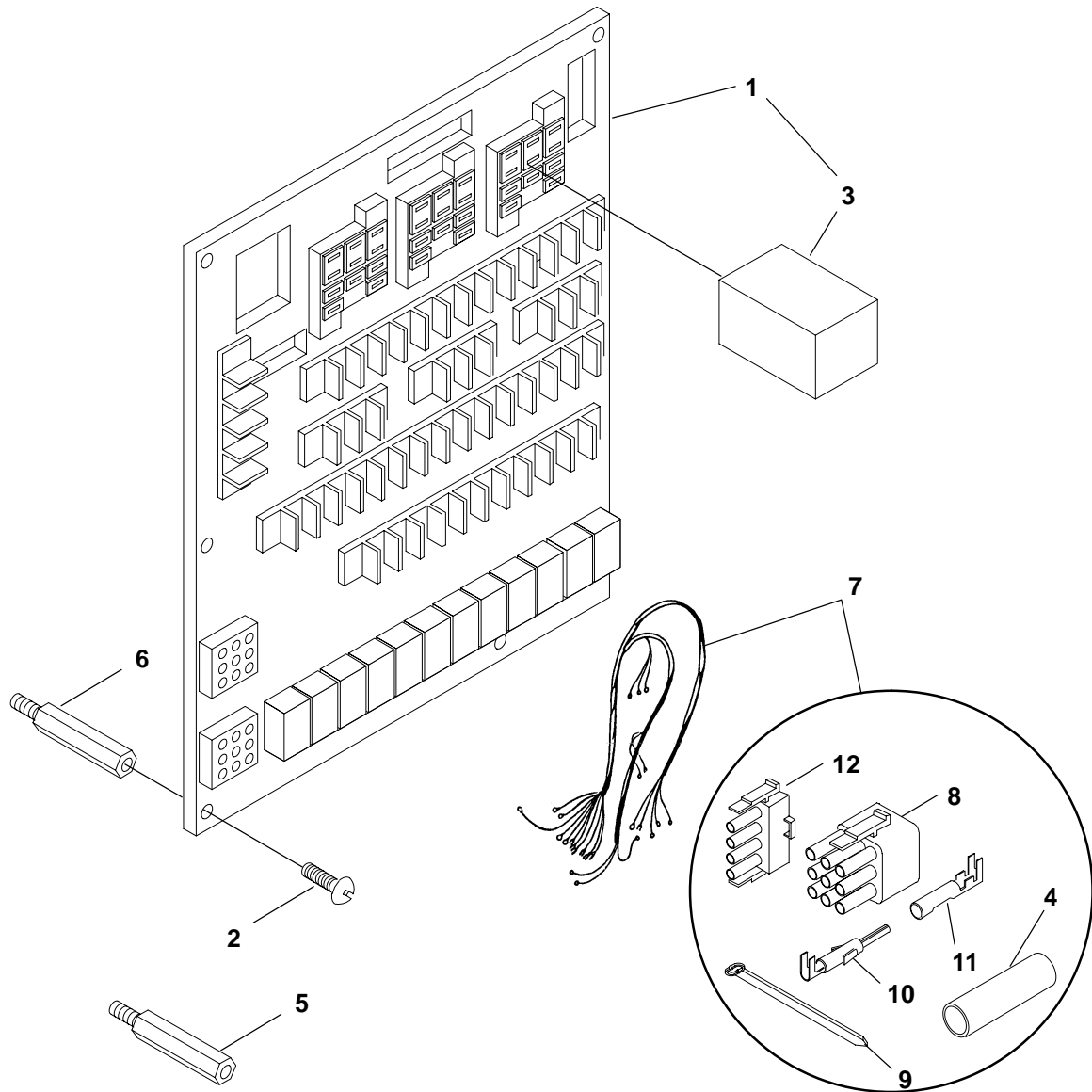
Voltage Regulator



B184,240

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	303-0261	1	Potentiometer SX460 Regulator	7	305-0868	1	Board, PC – Isolation Transformer (MX321 Regulator Only – Up to 480 Volts)
	303-0285-01	1	MX321 Regulator				
2	305-0982	1	Regulator, Voltage SX460 Regulator	8	526-0003	4	Washer (#8) (MX321 Regulator Only – Up to 480 Volts)
	305-0823	1	MX321 Regulator				
3	350-1222	1	Resistor	9	815-0901-06	4	Screw, Pan Head – Cross Recessed – Thread Forming (#6-32 x 5/8) (MX321 Regulator Only – Up to 480 Volts)
4	815-0905-08	6	Screw, Cross Recessed (#10-32 x 7/8)				
5	332-2605	1	Jumper				
6	320-1688-01	1	Breaker, Circuit				

Alarm Relay Board

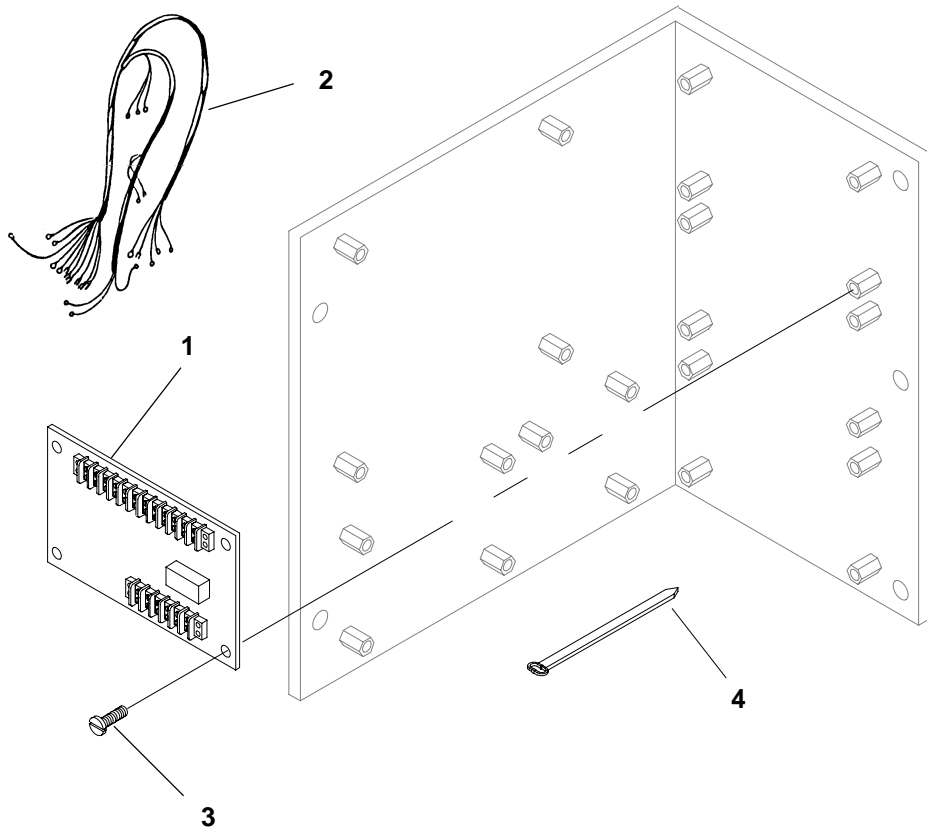


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-4111-03	1	Board, PC - Alarm Relay
2	815-0937	6	Screw, Machine - Round Head - Cross Recessed W/IT (#6-32 x .50)
3	307-1058	3	Relay (12 VDC) (K1, K2, K3)
4	898-0025	5	* Sleeving (1/2")
5	870-0517-02	2	Standoff - Alarm Board (1.31 lg.)
6	870-0517-01	4	Standoff - Alarm Board (1.25 lg.)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
7	338-2875	1	Harness, Alarm Relay Board (Includes parts marked *)
8	323-1291	2	* Plug, 9 Pin
9	332-1445	A/R	* Tie, Cable
10	323-1199	9	* Pin, Contact
11	323-1200	12	* Socket, Contact
12	323-1292	1	* Plug, 4 Pin

* = Parts includes in 338-2875 Harness Assembly

Common Alarm

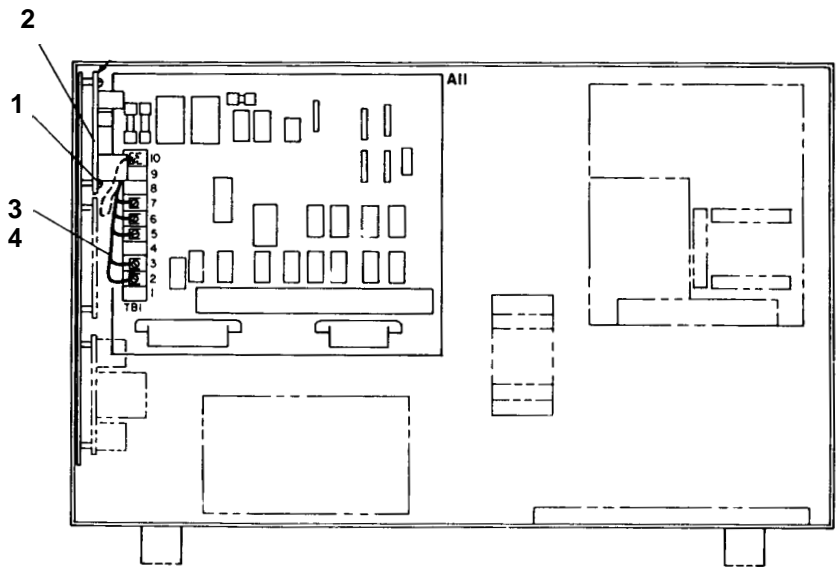


H560

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-4218-01	1	Board, PC – Diode
2	338-3033	1	Harness, Common Alarm
3	812-0063	4	Screw, Machine – Round Head (#6-32 x 1/2)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	332-1445	A/R	Tie, Cable

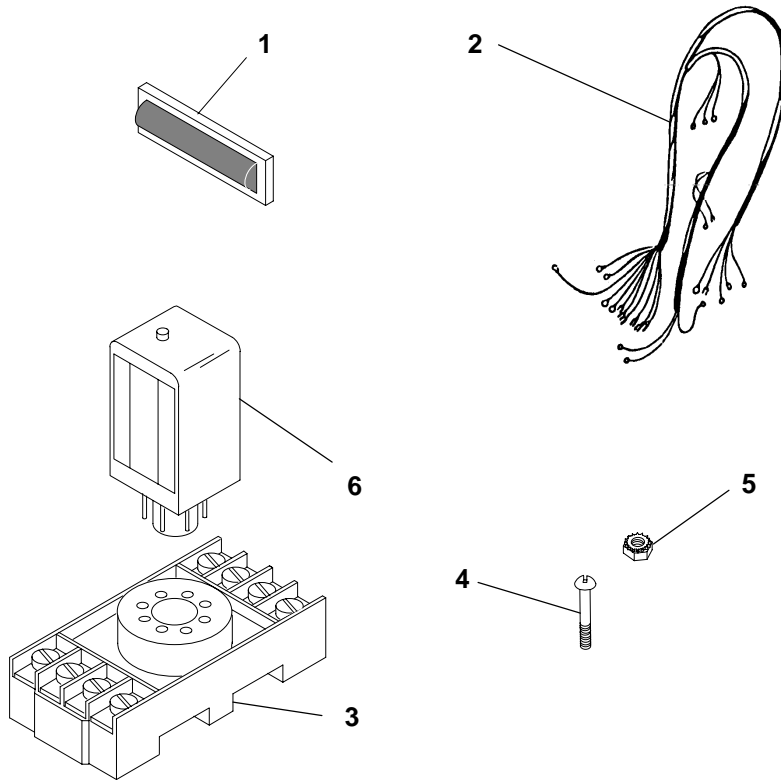
Time Delay Start/Stop



KL39

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	815-0937	4	Screw, Machine – Round Head – Cross Recessed W/IT (#6-32 x 1/2)	3	332-1445	3	Tie, Cable
2	300-2897	1	PCB, Time Delay Start/Stop	4	338-1904	1	Harness, Time Delay Start/Stop

Low Battery Voltage Sensor

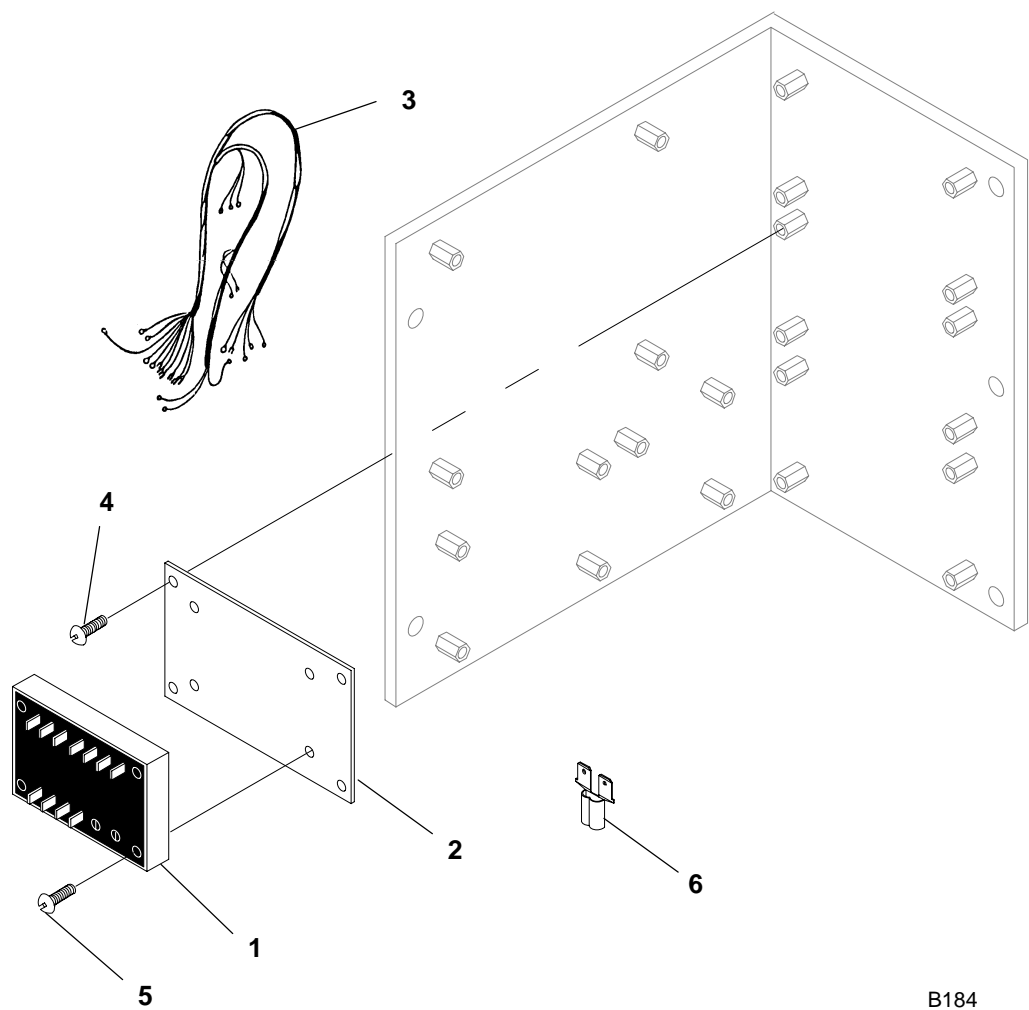


H560,543

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	322-0431-08	1	Lens, Indicator
2	338-3034	1	Harness, Low Battery Voltage
3	323-1410-03	1	Base, Relay

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	812-0084	2	Screw, Machine – Round Head (#8-32 x 1)
5	870-1221	2	Nut, Hex W/ET (#8-32)
6	305-0901	1	Sensor, Low Battery Voltage

Electric Overspeed

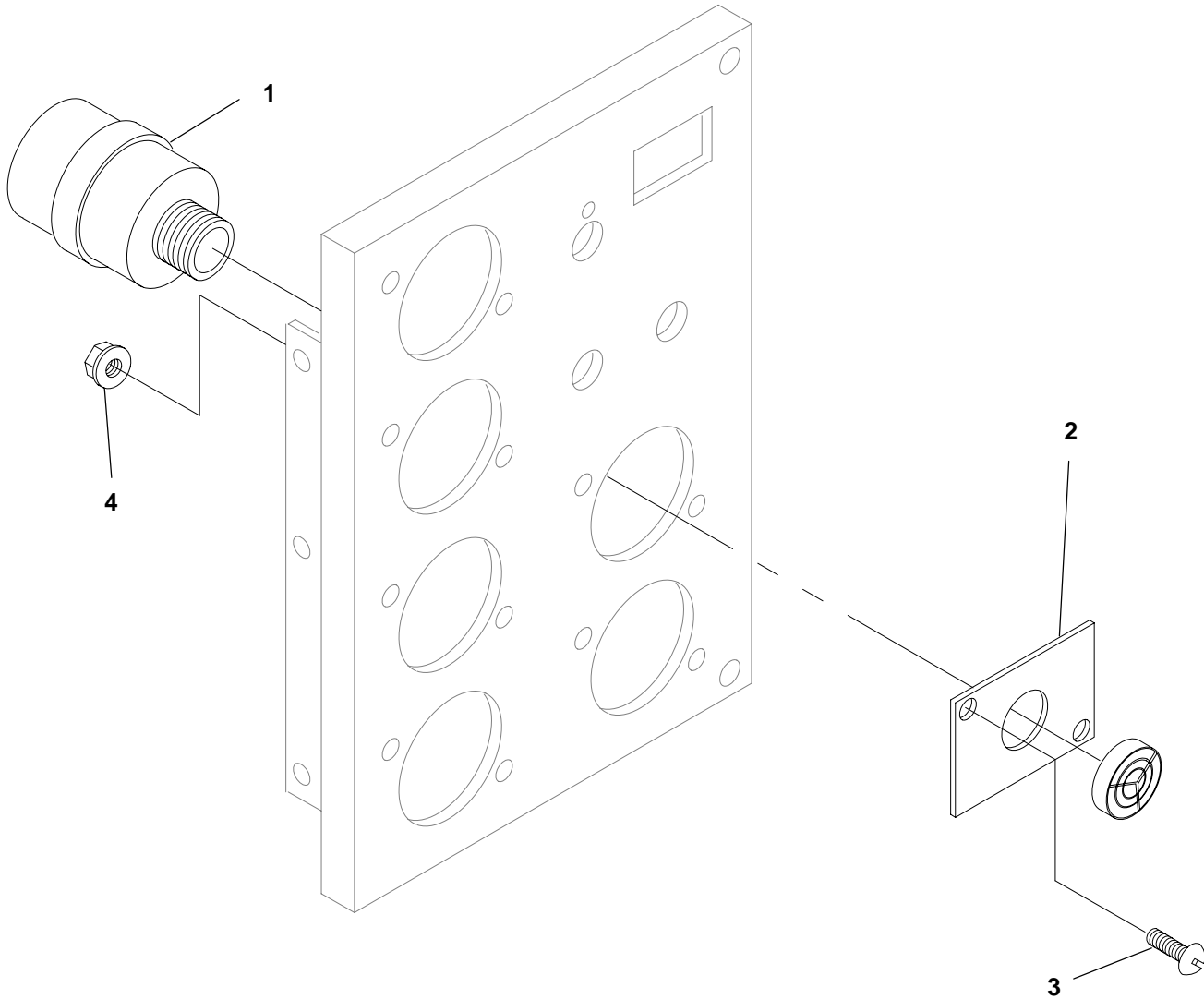


B184

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	305-0902-01	1	Module, Frequency
2	319-0754	1	Plate, Overspeed
3	338-3396	1	Harness, Overspeed
4	815-0388	4	Screw, Cross Recessed Thread Forming (6-32 x 1/2")

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
5	812-0082	4	Screw, Machine – Round Head (8-32 x 3/4")
6	332-1571	2	Terminal, Tab Adapter

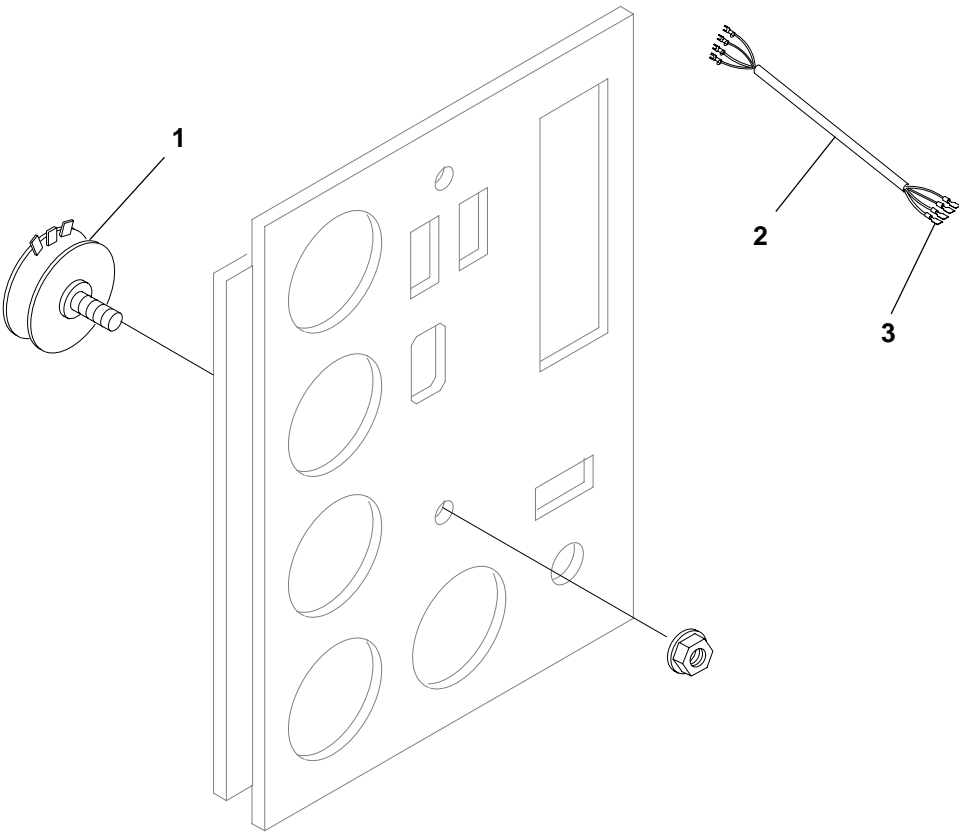
Audible Alarm



KL39

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	333-0133	1	Signal, Audible	4	870-0183	2	Nut, Hex W/ET (#6-32)
2	319-0898	1	Plate, Audible Signal				
3	815-0385	2	Screw, Machine – Round Head (#6-32 x 1/2)				

Speed Potentiometer

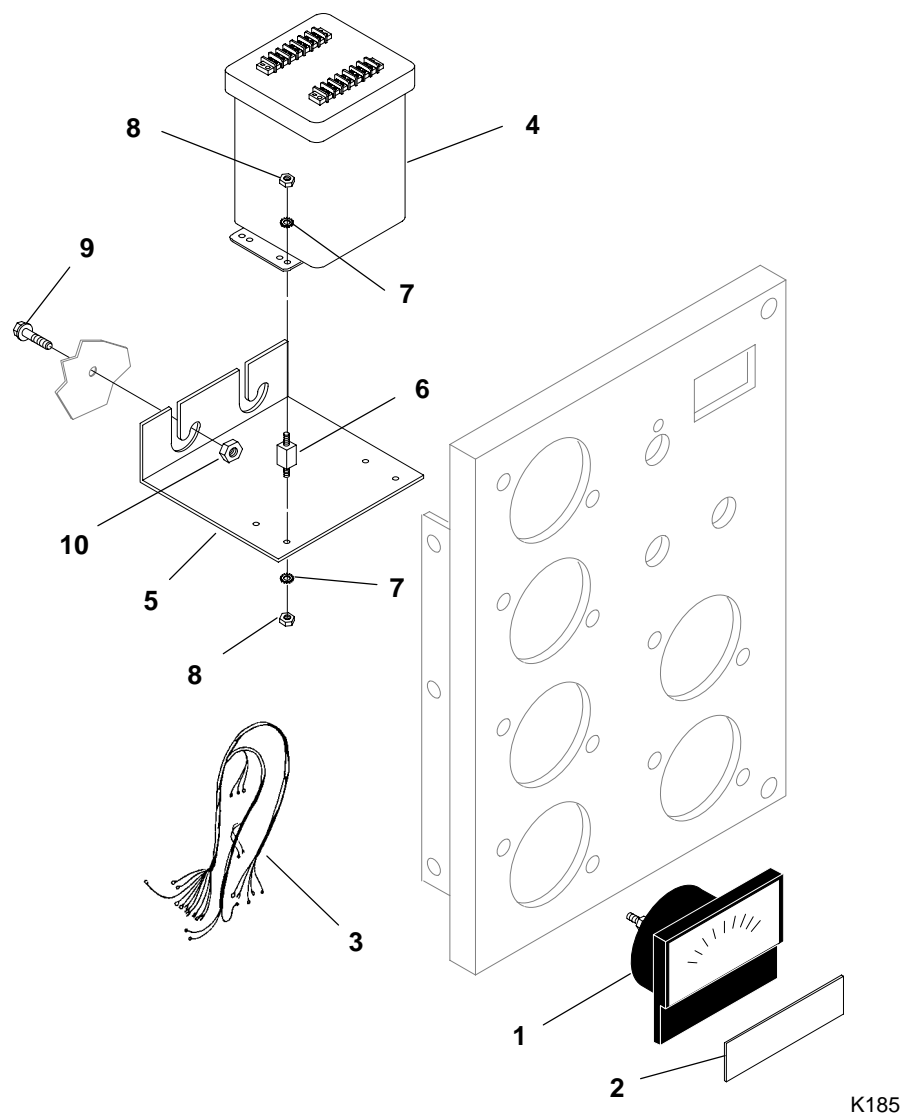


A068

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	303-0280	1	Potentiometer, Speed
2	334-0116	-	Cable, Shielded – Bulk (Order By The Foot – 7 Feet Required)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
3	332-2630	4	Terminal, Spade

Wattmeter

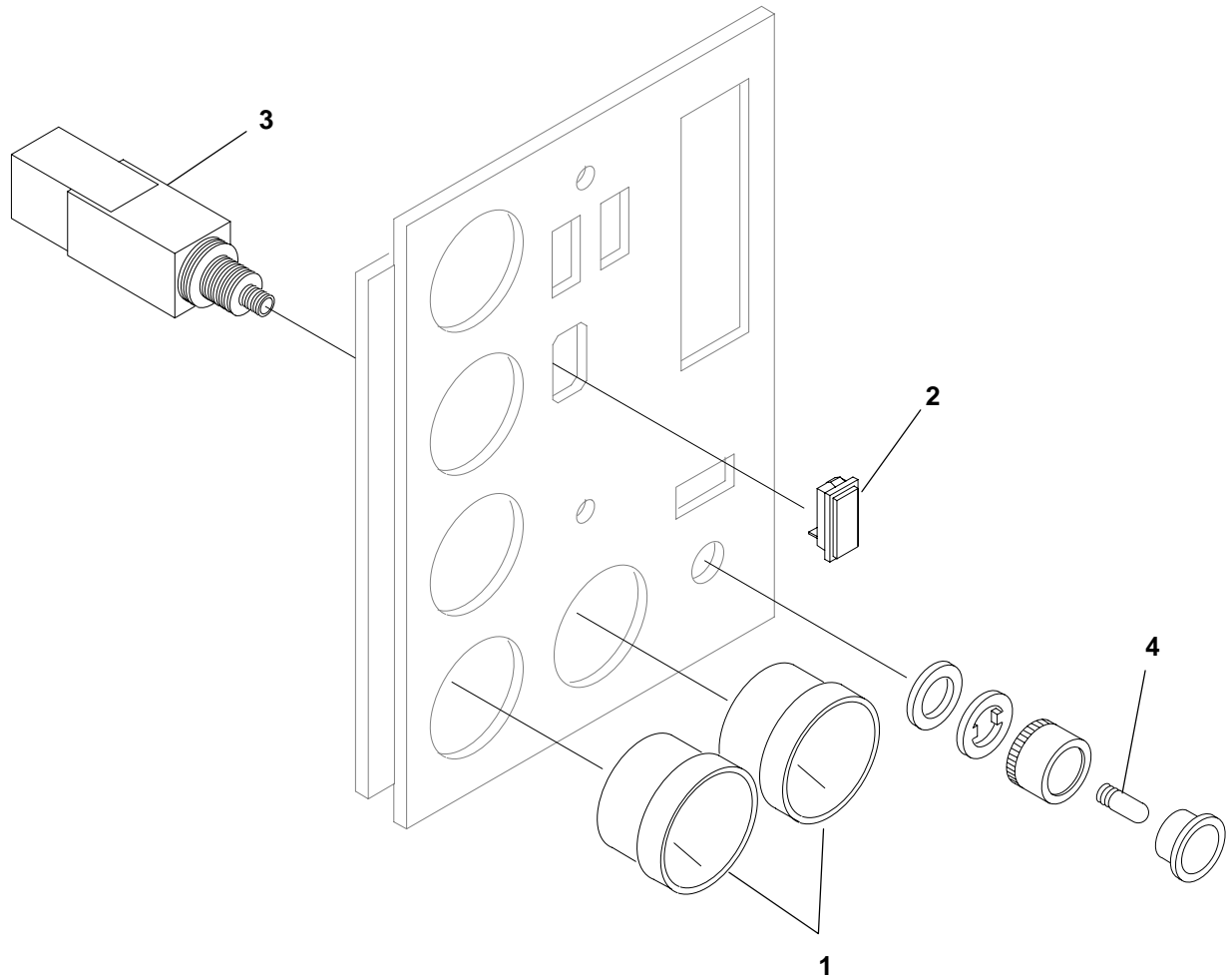


K185

Wattmeter

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	302-1722	1	Wattmeter (Dial Not Included) (M24)	3	338-3309	1	Harness, Wiring
2			Dial, Wattmeter	4	302-1982-10	1	Transducer, Watts (A21)
	302-1721-01	1	0-35 kW Rating	5	301-6987	1	Bracket, Mounting
	302-1721-02	1	0-50 kW Rating	6	402-0354	4	Mount, Shock
	302-1721-03	1	0-70 kW Rating	7	853-0005	8	Washer, Lock – W/ET (#8)
	302-1721-04	1	0-90 kW Rating	8	870-0221	8	Nut, Hex – W/ET (#8-32)
	302-1721-05	1	0-115 kW Rating	9	821-0017	2	Screw, Self-Locking – Hex Washer Head (5/16-18 x 1/2")
	302-1721-06	1	0-160 kW Rating	10	870-0257	2	Nut, Locking – Hex (5/16-18)
	302-1721-07	1	0-180 kW Rating	11	870-1220	2	Nut, Hex – W/ET (#4-40)
	302-1721-08	1	0-200 kW Rating				
	302-1721-09	1	0-250 kW Rating				
	302-1721-10	1	0-300 kW Rating				
	302-1721-11	1	0-350 kW Rating				
	302-1721-12	1	0-400 kW Rating				
	302-1721-13	1	0-500 kW Rating				
	302-1721-14	1	0-600 kW Rating				
	302-1721-15	1	0-700 kW Rating				
	302-1721-16	1	0-800 kW Rating				
	302-1721-17	1	0-1200 kW Rating				

Emergency Stop Switch

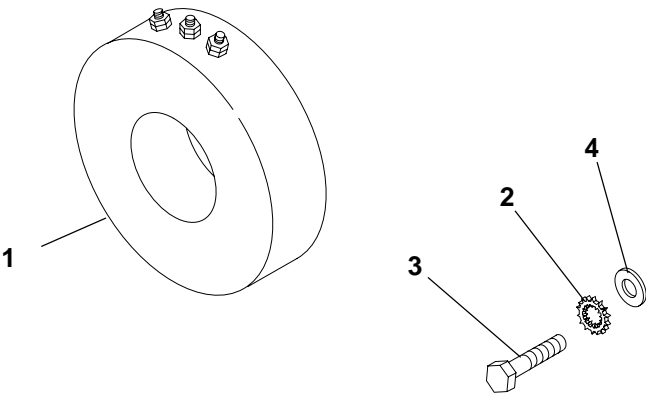


KL39

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	302-1723	2	Ammeter – Blank Scale
2	301-6257	1	Switch – Blank
3	308-1095	1	Switch, Pushbutton – Emergency Stop (Includes Bulb)

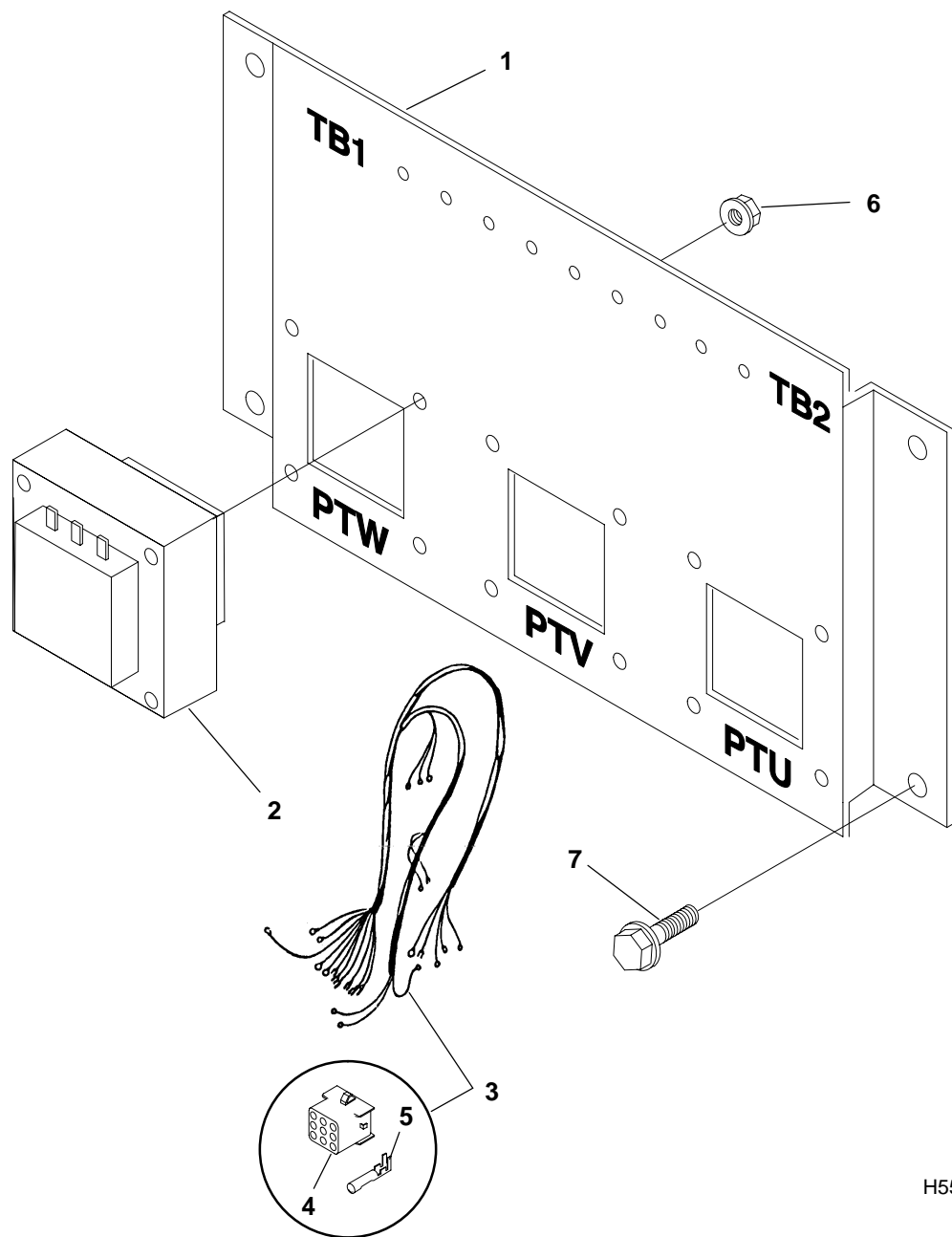
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	322-0487	1	Bulb, Replacement

Current Transformer



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Transformer, Current	2	856-0008	1	Washer – W/EIT (5/16)
	302-2056-03	3	Ratio 75/5 or 150/5	3	800-2056	1	Screw, Hex Head (M8 x 1.25 x 16)
	302-2056-04	3	Ratio 100/5 or 200/5				
	302-2056-05	3	Ratio 150/5 or 300/5	4	526-2100	1	Washer, Flat (M8)

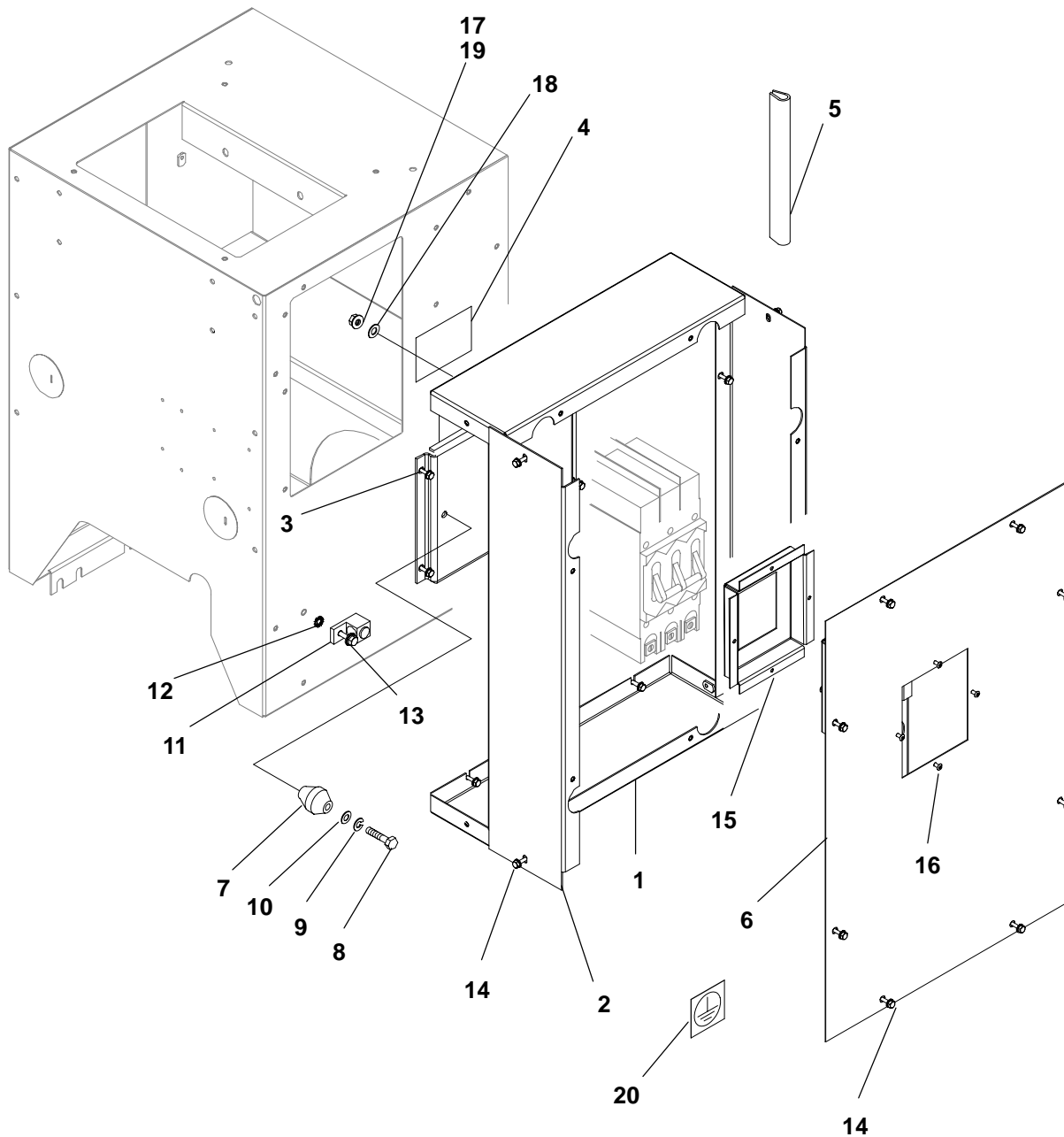
Meter Transformer



H559,560,562

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-1245	1	Bracket, Transformer	4	323-1644-02	1	Connector, Housing (9 Place)
2	315-0717-00	3	Transformer	5	323-1648	9	Socket, Contact
3	338-3337	1	Harness, Transformer (Includes Connector and Socket)	6	870-0221	12	Nut, Hex – W/ET (#8-32)
				7	821-0016	4	Screw, Self-Locking – Hex Flange Head (5/16-18 x 1)

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



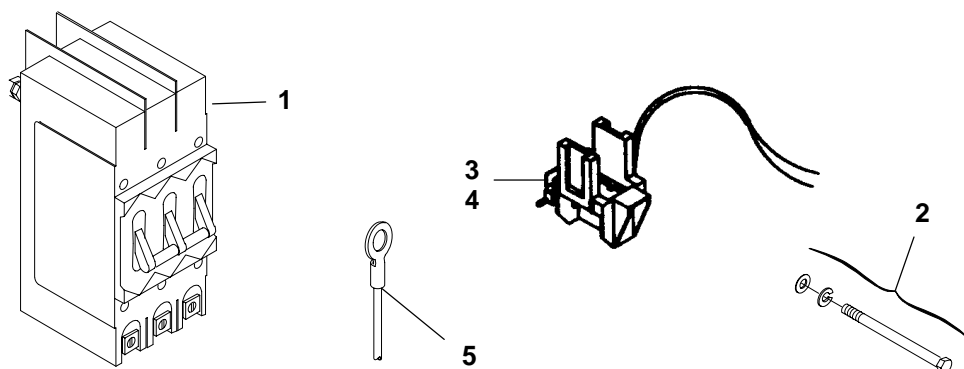
Circuit Breaker Box (UL Listed, IEC Conformity)

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

* Not used on units WO/Breaker or Entrance Box

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

Circuit Breaker (UL Listed, IEC Conformity)

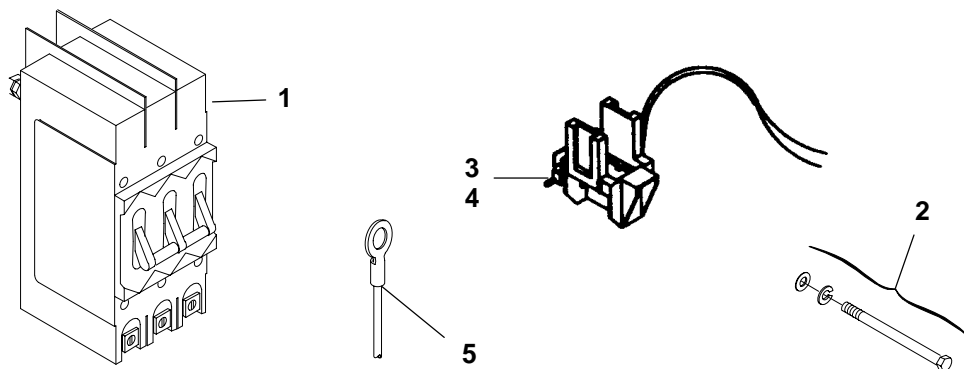


REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Breaker, Circuit				
			2 Pole (UL)				
	320-1961-07	1	100 Amp (240 Volts)		320-1959-05	1	* 150 Amp (600/750 Volts)
	320-1961-06	1	125 Amp (240 Volts)		320-1959-04	1	* 175 Amp (600/750 Volts)
	320-1961-05	1	150 Amp (240 Volts)		320-1959-03	1	* 200 Amp (600/750 Volts)
	320-1961-04	1	175 Amp (240 Volts)		320-1959-02	1	* 225 Amp (600/750 Volts)
	320-1961-03	1	200 Amp (240 Volts)		320-1960-06	1	* 300 Amp (600/750 Volts)
	320-1961-02	1	225 Amp (240 Volts)		320-1960-05	1	* 350 Amp (600/750 Volts)
	320-1961-01	1	250 Amp (240 Volts)		320-1960-04	1	* 400 Amp (600/750 Volts)
	320-1962-03	1	* 300 Amp (240 Volts)				4 Pole (IEC)
	320-1962-02	1	* 350 Amp (240 Volts)		320-1959-16	1	* 80 Amp (750 Volts)
	320-1962-01	1	* 400 Amp (240 Volts)		320-1959-15	1	* 100 Amp (750 Volts)
			3 Pole (UL)		320-1959-14	1	* 125 Amp (750 Volts)
	320-1961-14	1	100 Amp (240 Volts)		320-1959-13	1	* 160 Amp (750 Volts)
	320-1961-13	1	125 Amp (240 Volts)		320-1959-12	1	* 200 Amp (750 Volts)
	320-1961-12	1	150 Amp (240 Volts)		320-1959-11	1	* 250 Amp (750 Volts)
	320-1961-11	1	175 Amp (240 Volts)		320-1960-10	1	* 320 Amp (750 Volts)
	320-1961-10	1	200 Amp (240 Volts)	2			Package, Hardware – Circuit Breaker Mounting (Includes Screws, Nuts and Lock Washers)
	320-1961-09	1	225 Amp (240 Volts)		320-1986-08	1	Used With 320-1959-XX Circuit Breakers
	320-1961-08	1	250 Amp (240 Volts)		320-1986-07	1	Used With 320-1960-XX Circuit Breakers (Screws Only)
			3 Pole (UL & IEC)		320-1986-05	1	Used With 320-1962-XX Circuit Breakers (Screws Only)
	320-1959-22	1	* 10 Amp (600/750 Volts)				
	320-1959-21	1	* 20 Amp (600/750 Volts)				
	320-1959-20	1	* 30 Amp (600/750 Volts)				
	320-1959-19	1	* 40 Amp (600/750 Volts)				
	320-1959-18	1	* 50 Amp (600/750 Volts)				
	320-1959-17	1	* 60 Amp (600/750 Volts)				
	320-1959-10	1	* 70 Amp (600/750 Volts)				
	320-1959-09	1	* 80 Amp (600/750 Volts)				
	320-1959-08	1	* 90 Amp (600/750 Volts)				
	320-1959-07	1	* 100 Amp (600/750 Volts)				
	320-1959-06	1	* 125 Amp (600/750 Volts)				

* – Includes Mounting Hardware

Continued...

Circuit Breaker (UL Listed, IEC Conformity)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
Continued...				5			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)
3	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)
4	320-1981-01	2	Switch – 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)
				226-3505-04	1		3/8" Ring Terminal End to 3/8" Ring Terminal End – Marked "LO" (30") (#1/0 Wire)

* – Includes Mounting Hardware

Accessories

These parts must be purchased through the Accessories Business Unit, see your Cummins/Onan Distributer. For other accessories such as batteries, fuel tanks and annunciators contact the Accessories Business Unit.

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Muffler	155-2340-07	1		Industrial Side Inlet
	155-2063-02	1	Industrial End Inlet	155-2341-07	1		Residential Side Inlet
	155-2064-02	1	Residential End Inlet	155-2342-07	1		Critical Side Inlet
	155-2065-02	1	Critical End Inlet				

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