



Parts Catalog

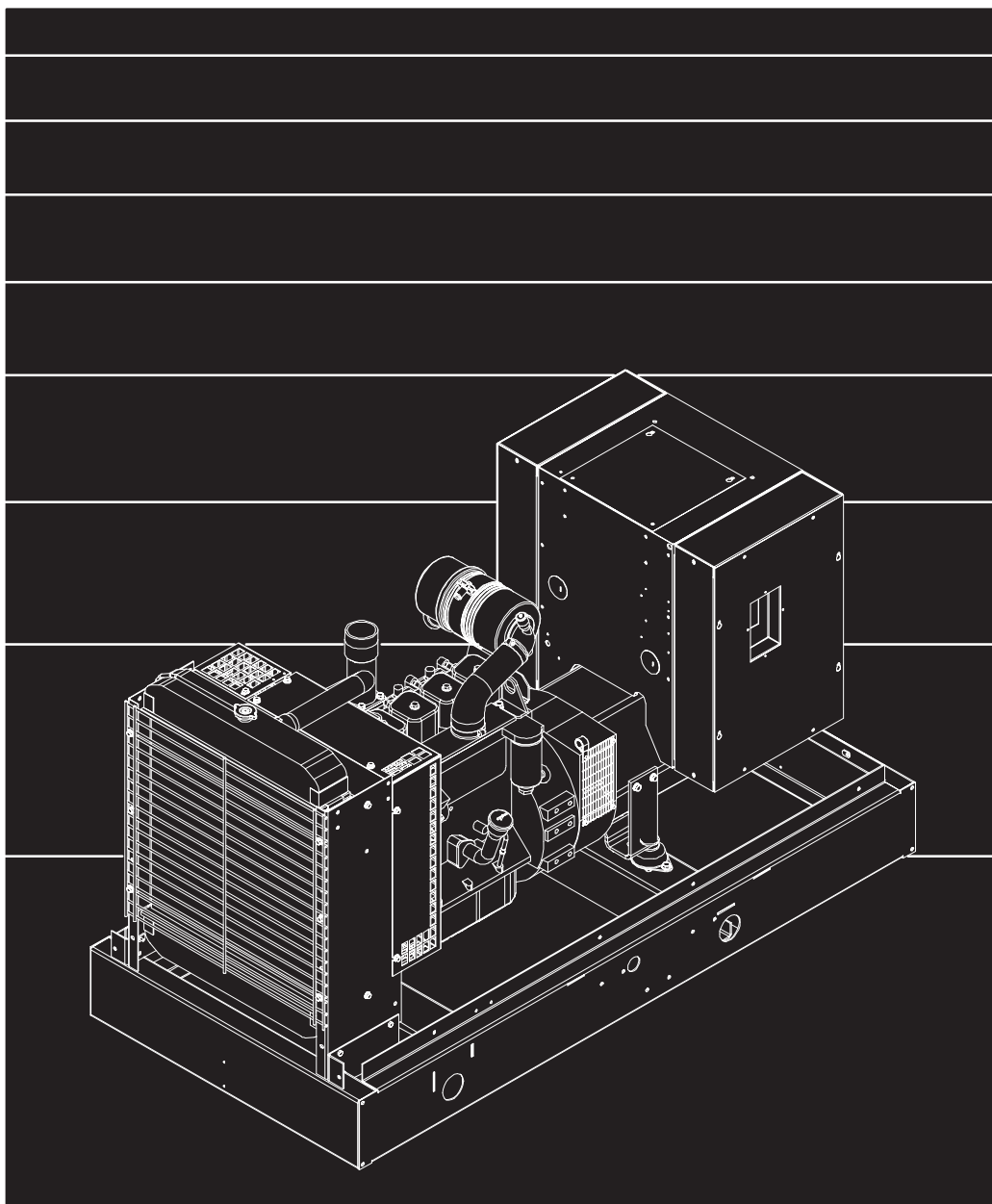
DGBB (Spec D-F)

DGBC (Spec C-E)

DGCA (Spec L-N)

DGCB (Spec L-N)

Generator Set



Printed in U.S.A.

960-0210C 11-98
Replaces 960-0210B 4-98

MODEL IDENTIFICATION

To avoid errors or delay in filling your parts order, always give the MODEL, SPEC NO. and SERIAL NO. from the Onan 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 Onan 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 Onan 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 DGBB, DGBC, DGCA and DGCB 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 Onan 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

Onan/Cummins Generator Model	Cummins Engine Model
DGBB	4B3.9-G (Spec D, E) 4B3.9-G2 (Spec F)
DGBC	4B3.9-G (Spec C, D) 4B3.9-G2 (Spec E)
DGCA	4BT3.9-G4
DGCB	4BT3.9-G4

Generator Set Data Table

Model/ Specification	Electrical Data					Battery Voltage
	Watts	Volts	Hertz	Wire	Phase	
35DGBB*	35,000	#	60	4,6,12	1 or 3	12 VDC
28DGBB*	28,000	#	50	4,6,12	1 or 3	12 VDC
40DGBC*	40,000	#	60	4,6,12	1 or 3	12 VDC
32DGBC*	32,000	#	50	4,6,12	1 or 3	12 VDC
50DGCA*	50,000	#	60	4,6,12	1 or 3	12 VDC
40DGCA*	40,000	#	50	4,6,12	1 or 3	12 VDC
60DGCB*	60,000	#	60	4,6,12	1 or 3	12 VDC
50DGCB*	50,000	#	50	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.

Index

- Actuator, Electronic Governor – DGBB Spec D, E, DGBC Spec C, D, DGCA and DGCB Spec L, M, **60**
- Actuator, Linear – Sets With PowerCommand Control – DGBB Spec D, E, DGBC Spec C, D, DGCA and DGCB Spec L, M, **9**
- Actuator, Rotating – Sets With PowerCommand Control – DGBB Spec F, DGBC Spec E, DGCA and DGCB Spec N, **9**
- Adapter, Duct – Radiator, **37**
- Adapter, Exhaust – DGBB, DGBC, **22**
- Adapter, Exhaust – DGCA, DGCB, **23**
- Adapter, Exhaust – Housed Sets – DGCA, DGCB, **24**
- Adapter, Generator, **73**
- Alarm, Audible, **102**
- Alarm, Basin, **21**
- Alarm, Bell – DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L, **103**
- Alarm, Common, **100**
- Alarm, Fuel – DGBB Spec F, DGCA and DGCB Spec N, **104**
- Alarm, Low Fuel, **20**
- Alternator, **59**
- Ammeter – Detector Control, **87**
- Ammeter, Dual Scale – Sentinel Control, **105**

- Band, Cleaner – Air – DGBB, DGBC, **12**
- Band, Cleaner – Air – DGCA, DGCB, **13**
- Barrier, Sound, **55**
- Bell, End, **75**
- Block, Terminal – Generator, **73**
- Block, Terminal – Generator Heater (Quiet Site), **71**
- Block, Terminal – Generator Heater (Standard), **70**
- Board, Printed Circuit – Alarm Relay, **99**
- Board, Printed Circuit – Common Alarm, **100**
- Board, Printed Circuit – Engine Monitor – Sets With Detector Control, **87**
- Board, Printed Circuit – Fuel Tank Control, **18**
- Board, Printed Circuit – Isolation Transformer – Sets With Detector Control, **96**
- Board, Printed Circuit – Time Delay Start/Stop, **107**
- Bottle, Overflow – DGBB Spec F, DGBC Spec E, DGCA and DGCB Spec N, **38**
- Box, Circuit Breaker (Non-UL) – DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L, **67**
- Box, Circuit Breaker – UL Listed – DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L, **65**
- Box, Circuit Breaker – UL Listed, IEC Conformity – DGBB Spec E, F, DGBC Spec D, E, DGCA and DGCB Spec M, N, **69**
- Box, Control – Detector Control, **87**
- Box, Control – Fuel Tank, **18**
- Box, Terminal – Generator Heater (Quiet Site), **71**
- Box, Terminal – Generator Heater (Standard), **70**
- Bracket, Belt Guard – Remote Radiator, **35**
- Bracket, Control Mounting – Control Housing, **63**
- Bracket, Control Mounting – In-Skid Fuel Tank, **17**
- Bracket, Heater – Water Heater, **33**
- Bracket, Meter Transformer, **114**
- Bracket, Mounting – Air Cleaner – DGBB, DGBC, **12**
- Bracket, Mounting – Air Cleaner – DGCA, DGCB, **13**
- Bracket, Mounting – Generator Foot, **75**
- Bracket, Over/Under Frequency Relay – DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L, **108**
- Bracket, Overflow Bottle – DGBB Spec F, DGBC Spec E, DGCA and DGCB Spec N, **38**
- Bracket, Overspeed – Mechanical, **80**
- Bracket, Pump – Subbase Fuel Tank, **16**
- Breaker, Circuit – AC – Fuel Tank Control, **18**
- Breaker, Circuit – DC – Fuel Tank Control, **18**
- Breaker, Circuit – Non-UL Listed – DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L, **117**
- Breaker, Circuit – Sentinel Control, **85**
- Breaker, Circuit – UL Listed – DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L, **116**
- Breaker, Circuit – UL Listed, IEC Conformity – DGBB Spec E, DGBC Spec D, DGCA and DGCB Spec M, **118**
- Breaker, Circuit – UL Listed, IEC Conformity – DGBB Spec F, DGBC Spec E, DGCA and DGCB Spec N, **120**
- Breaker, Circuit – Voltage Regulator – Sets With Detector Control, **96**
- Breaker, Circuit – Voltage Regulator – Sets With Sentinel Control, **97**
- Bulb, Replacement – Emergency Stop Switch, **98**

- Cable, Battery – Sets With Detector Control, **8**
- Cable, Battery – Sets With PowerCommand Control, **9**
- Cable, Battery – Sets With Sentinel Control, **7**
- Cable, Heater – Control Heater – Sets With Detector Control, **78**
- Cable, Heater – Oil Heater, **34**
- Cap, Fill – In-Skid Fuel Tank, **15**
- Cap, Fill – Subbase Fuel Tank, **14**
- Cap, Radiator, **37**
- Cap, Vent – Subbase Fuel Tank, **14**
- Cartridge, Heater – Generator (Quiet Site), **71**
- Cartridge, Heater – Generator (Standard), **70**
- Clamp, Stator – PMG, **83**
- Cleaner, Air – DGBB, DGBC, **12**
- Cleaner, Air – DGCA, DGCB, **13**
- Cock, Drain – Radiator, **37**
- Contact, Auxiliary – DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L, **115**
- Contact, Dry – DGBB Spec F, DGCA and DGCB Spec N, **89**
- Control, Detector, **87**
- Control, Electronic Governor – DGBB Spec D, E, DGBC Spec C, D, DGCA and DGCB Spec L, M, **60**
- Control, Electronic Governor – DGBB Spec F, DGBC Spec E, DGCA and DGCB Spec N, **61**
- Control, Fuel Tank – Components, **18**
- Control, PowerCommand, **88**
- Control, Sentinel, **85**
- Cover, Belt Guard – Remote Radiator, **35**
- Cover, Box – Fuel Tank Control, **18**
- Cover, End Bell – Mechanical Overspeed, **80**
- Cover, Fan Guard – Radiator, **37**
- Cover, Float Valve, **19**
- Cover, Fuel Tank – Sound Barrier, **55**
- Cover, Housing – Control, **63**
- Cover, Stator – Generator, **73**
- Cover, Stub Up – Skidpan, **54**

Index

- Cushion, Mounting – Vibration Isolation – Basic Skid – DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L, **50**
- Cushion, Mounting – Vibration Isolation – Basic Skid – DGBB Spec E, F, DGBC Spec D, E, DGCA and DGCB Spec M, N, **52**
- Cushion, Mounting – Vibration Isolation – Housing Ready/Fuel Tank Ready Skid – DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L, **51**
- Cushion, Mounting – Vibration Isolation – Housing Ready/Fuel Tank Ready Skid – DGBB Spec E, F, DGBC Spec D, E, DGCA and DGCB Spec M, N, **53**
- Diode – Generator, **73**
- Disc, Drive – Generator, **75**
- Door, Control – Detector Control, **87**
- Drain, Oil – Extension, **11**
- Edging – Control Housing, **63**
- Element, Cleaner – Air – DGBB, DGBC, **12**
- Element, Cleaner – Air – DGCA, DGCB, **13**
- External Engine Parts – Sets With Detector Control, **8**
- External Engine Parts – Sets With PowerCommand Control, **9**
- External Engine Parts – Sets With Sentinel Control, **7**
- Fan, Alternator, **59**
- Fan, Radiator, **37**
- Filter, Screen – Fuel – Float Valve, **19**
- Fuse – Sentinel Control, **85**
- Gasket, Cover Plate – Float Valve, **19**
- Gasket, Drain – Oil Pan, **11**
- Gasket, Exhaust – DGBB, DGBC, **22**
- Gauge, Fuel Level – In Skid Fuel Tank, **15**
- Gauge, Fuel Level – Subbase Fuel Tank, **14**
- Gauge, Oil Temperature – DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L, **112**
- Gauge, Pressure – Oil – Sets With Detector Control, **87**
- Gauge, Pressure – Oil – Sets With Sentinel Control, **10**
- Gauge, Temperature – Water – Sets With Detector Control, **87**
- Gauge, Temperature – Water – Sets With Sentinel Control, **10**
- Generator, **73**
- Governor, Electronic – DGBB Spec D, E, DGBC Spec C, D, DGCA and DGCB Spec L, M, **60**
- Governor, Electronic – DGBB Spec F, DGBC Spec E, DGCA and DGCB Spec N, **61**
- Grille, Radiator, **37**
- Guard, Alternator – Radiator, **37**
- Guard, Belt – Remote Radiator, **35**
- Guard, Fan – Generator, **73**
- Guard, Fan – Radiator, **37**
- Harness, Wiring – AC – Sets With Detector Control, **87**
- Harness, Wiring – AC Auxiliary, **95**
- Harness, Wiring – AC Control – Sets With Sentinel Control, **97**
- Harness, Wiring – Alarm Relay Board, **99**
- Harness, Wiring – Common Alarm, **100**
- Harness, Wiring – DC – Sets With Detector Control, **87**
- Harness, Wiring – Dry Contact – DGBB Spec F, DGCA and DGCB Spec N, **89**
- Harness, Wiring – Electric Overspeed – Sets With Detector Control, **81**
- Harness, Wiring – Electric Overspeed – Sets With Sentinel Control, **82**
- Harness, Wiring – Electronic Governor – DGBB Spec D, E, DGBC Spec C, D, DGCA and DGCB Spec L, M, **60**
- Harness, Wiring – Electronic Governor – DGBB Spec F, DGBC Spec E, DGCA and DGCB Spec N, **61**
- Harness, Wiring – Engine to Control – Detector Control, **95**
- Harness, Wiring – Engine to Control – Sentinel Control, **95**
- Harness, Wiring – Engine To Control – Sets With PowerCommand Control – DGBB Spec D, E, DGBC Spec C, D, DGCA and DGCB Spec L, M, **91**
- Harness, Wiring – Engine To Control – Sets With PowerCommand Control – DGBB Spec F, DGBC Spec E, DGCA and DGCB Spec N, **93**
- Harness, Wiring – Fuel Alarm – DGBB Spec F, DGCA and DGCB Spec N, **104**
- Harness, Wiring – Fuel Tank Control, **18**
- Harness, Wiring – In-Skid Fuel Tank Pump to Control, **17**
- Harness, Wiring – Low Battery Voltage, **109**
- Harness, Wiring – Low Coolant Level Sender – With Continuously Monitored Low Coolant Level, **30**
- Harness, Wiring – Low Coolant Level Sender – Without Continuously Monitored Low Coolant Level – DGBB Spec D, E, DGBC Spec C, D, DGCA and DGCB Spec L, M, **31**
- Harness, Wiring – Low Coolant Level Sender – Without Continuously Monitored Low Coolant Level – DGBB Spec F, DGBC Spec E, DGCA and DGCB Spec N, **32**
- Harness, Wiring – Meter Transformer, **114**
- Harness, Wiring – Over/Under Frequency Relay – DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L, **108**
- Harness, Wiring – Over/Under Voltage – DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L, **106**
- Harness, Wiring – PMG, **83**
- Harness, Wiring – Subbase Fuel Tank Pump to Control, **16**
- Harness, Wiring – Time Delay Start/Stop, **107**
- Harness, Wiring – Wattmeter – DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L, **110**
- Heater Assembly, Control – Sets With PowerCommand Control, **79**
- Heater, Control – Sets With Detector Control, **78**
- Heater, Engine Coolant, **33**
- Heater, Generator – Quiet Site, **71**
- Heater, Generator – Standard, **70**
- Heater, Oil, **34**
- Holder, Fuse – Sentinel Control, **85**
- Hose, Radiator, **37**
- Hose, Water Heater, **33**
- Housing, Control, **63**
- Housing, Generator Set – Quiet Site First Stage – DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L, **43**
- Housing, Generator Set – Quiet Site First Stage – DGBB Spec E, F, DGBC Spec D, E, DGCA and DGCB Spec M, N, **47**
- Housing, Generator Set – Quiet Site Second Stage – DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L, **45**

Index

- Housing, Generator Set – Quiet Site Second Stage – DGBB Spec E, F, DGBC Spec D, E, DGCA and DGCB Spec M, N, **49**
- Housing, Generator Set – Standard Weather Protective – DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L, **40**
- Housing, Generator Set – Standard Weather Protective – DGBB Spec E, F, DGBC Spec D, E, DGCA and DGCB Spec M, N, **41**
- Hub, Drive – Generator, **73**
- Isolator, Vibration – Detector Control, **87**
- Isolator, Vibration – Sentinel Control, **85**
- Key, Exciter Rotor, **73**
- Labels, Miscellaneous, **122**
- Lamp – Detector Control, **87**
- Lamp, Indicator – Replacement – Fuel Tank Control, **18**
- Lens, Indicator – Low Battery Voltage, **109**
- Lens, Replacement – Low Coolant Level Sender – With Continuously Monitored Low Coolant Level, **30**
- Light Assembly, Indicator – Fuel Tank Control, **18**
- Light, Panel – Detector Control, **87**
- Line – Fuel In, Fuel Out, **122**
- Line, Fuel – In-Skid Fuel Tank, **15**
- Line, Fuel – Subbase Fuel Tank, **14**
- Link, Terminal – Generator, **75**
- Lug, Breaker – Circuit Breaker – Non-UL – DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L, **117**
- Meter, Frequency – Detector Control, **87**
- Meter, Time Totalizing – Detector Control, **87**
- Module, Alarm, **101**
- Module, Electric Overspeed – Sets With Sentinel Control, **82**
- Module, Frequency – Electric Overspeed – Sets With Detector Control, **81**
- Muffler – Critical – DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L, **27**
- Muffler – Industrial – DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L, **26**
- Muffler – Industrial – DGBB Spec E, F, DGBC Spec D, E, DGCA and DGCB Spec M, N, **29**
- Muffler – Residential – DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L, **25**
- Muffler – Standard – DGBB Spec E, F, DGBC Spec D, E, DGCA and DGCB Spec M, N, **28**
- Overspeed, Electric – Sets With Detector Control, **81**
- Overspeed, Electric – Sets With Sentinel Control, **82**
- Overspeed, Mechanical, **80**
- Package, Mounting – Actuator to Injection Pump, **60**
- Paint, **6**
- Pan, Skid, **54**
- Panel, Control – Sentinel Control, **85**
- Pin, Parallel – PMG, **83**
- Plate, Audible Signal, **102**
- Plate, Clamping – Remote Radiator, **35**
- Point, Overspeed – Mechanical, **80**
- Potentiometer – Voltage Regulator – Sets With Detector Control, **96**
- Potentiometer – Voltage Regulator – Sets With Sentinel Control, **97**
- Potentiometer, Speed, **111**
- Pump, In-Skid Fuel Tank, **17**
- Pump, Subbase Fuel Tank, **16**
- Radiator, **37**
- Radiator, Remote, **35**
- Rectifier – Generator, **73**
- Rectifier, Power – Control Heater – Sets With Detector Control, **78**
- Rectifier, Silicon – Low Coolant Level Sender – With Continuously Monitored Low Coolant Level, **30**
- Regulator, Voltage – Sets With Detector Control, **96**
- Regulator, Voltage – Sets With Sentinel Control, **97**
- Relay – Dry Contact – DGBB Spec F, DGCA and DGCB Spec N, **89**
- Relay – Fuel Tank Control, **18**
- Relay – Sentinel Control, **85**
- Relay, Over/Under Frequency – DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L, **108**
- Relay, Over/Under Voltage – DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L, **106**
- Relay, Timer – Sentinel Control, **85**
- Resistor – Voltage Regulator – Sets With Detector Control, **96**
- Resistor, Gauge – Detector Control, **87**
- Rotor, Exciter, **73**
- Rotor, Generator, **73**
- Rotor, PMG, **83**
- Screen, Air Inlet – Generator, **73**
- Seal, Edging – Generator, **73**
- Sealant, Thread, **6**
- Sender, Low Coolant Level – With Continuously Monitored Low Coolant Level, **30**
- Sender, Low Coolant Level – Without Continuously Monitored Low Coolant Level – DGBB Spec D, E, DGBC Spec C, D, DGCA and DGCB Spec L, M, **31**
- Sender, Low Coolant Level – Without Continuously Monitored Low Coolant Level – DGBB Spec F, DGBC Spec E, DGCA and DGCB Spec N, **32**
- Sender, Low Engine Temperature – Sets With PowerCommand Control, **9**
- Sender, Oil Pressure – Sets With Detector Control, **8**
- Sender, Oil Pressure – Sets With PowerCommand Control, **9**
- Sender, Oil Temperature – Sets With PowerCommand Control, **9**
- Sender, Temperature – Oil Gauge – DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L, **112**
- Sender, Water Temperature – Sets With Detector Control, **8**
- Sensor, Low Battery Voltage, **109**
- Sensor, Speed – Electronic Governor – DGBB Spec F, DGBC Spec E, DGCA and DGCB Spec N, **61**
- Shroud, Radiator, **37**
- Signal, Audible, **102**
- Skid – Basic – DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L, **50**

Index

- Skid – Basic – DGBB Spec E, F, DGBC Spec D, E, DGCA and DGCB Spec M, N, **52**
- Skid – Housing Ready/Fuel Tank Ready – DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L, **51**
- Skid – Housing Ready/Fuel Tank Ready – DGBB Spec E, F, DGBC Spec D, E, DGCA and DGCB Spec M, N, **53**
- Starter, **58**
- Stator, Exciter, **75**
- Stator, Generator, **76**
- Stator, PMG, **83**
- Strap, Ground – Detector Control, **87**
- Switch, Basin – Basin Alarm, **21**
- Switch, Basin – Low Fuel Alarm, **20**
- Switch, Emergency Stop, **98**
- Switch, Float – In-Skid Fuel Tank, **17**
- Switch, Float – Subbase Fuel Tank, **16**
- Switch, High Water Temperature – Sets With Detector Control, **8**
- Switch, High Water Temperature – Sets With Sentinel Control, **7**
- Switch, Overspeed – Mechanical, **80**
- Switch, Pressure – Oil – Sets With Detector Control, **8**
- Switch, Pressure – Oil – Sets With Sentinel Control, **7**
- Switch, Rocker – Detector Control, **87**
- Switch, Rocker – Fuel Tank Control, **18**
- Switch, Rocker – Sentinel Control, **85**
- Switch, Rotary – Detector Control, **87**
- Tank, Fuel – In-Skid, **15**
- Tank, Fuel – Subbase, **14**
- Thermostat, Pre Water Temperature – Sets With Detector Control, **8**
- Transducer, Watts – DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L, **110**
- Transformer – Voltage Regulator – Sets With Sentinel Control, **97**
- Transformer, Current, **113**
- Transformer, Meter, **114**
- Tray, Battery – Standard, **56**
- Tray, Battery – Tank Ready, **57**
- Trip, Shunt – UL Listed – DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L, **116**
- Trip, Shunt – UL Listed, IEC Conformity – DGBB Spec E, DGBC Spec D, DGCA and DGCB Spec M, **119**
- Trip, Shunt – UL Listed, IEC Conformity – DGBB Spec F, DGBC Spec E, DGCA and DGCB Spec N, **121**
- Tube, Water Heater, **33**
- Valve, Float, **19**
- Valve, Shutoff – Oil Drain, **11**
- Valve, Shutoff – Radiator, **37**
- Valve, Solenoid – Float Valve, **19**
- Varistor – Generator, **73**
- Voltage, Over/Under – DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L, **106**
- Voltmeter – Detector Control, **87**
- Wattmeter – DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L, **110**
- Wrapper, Control – Sentinel Control, **85**

Abbreviations

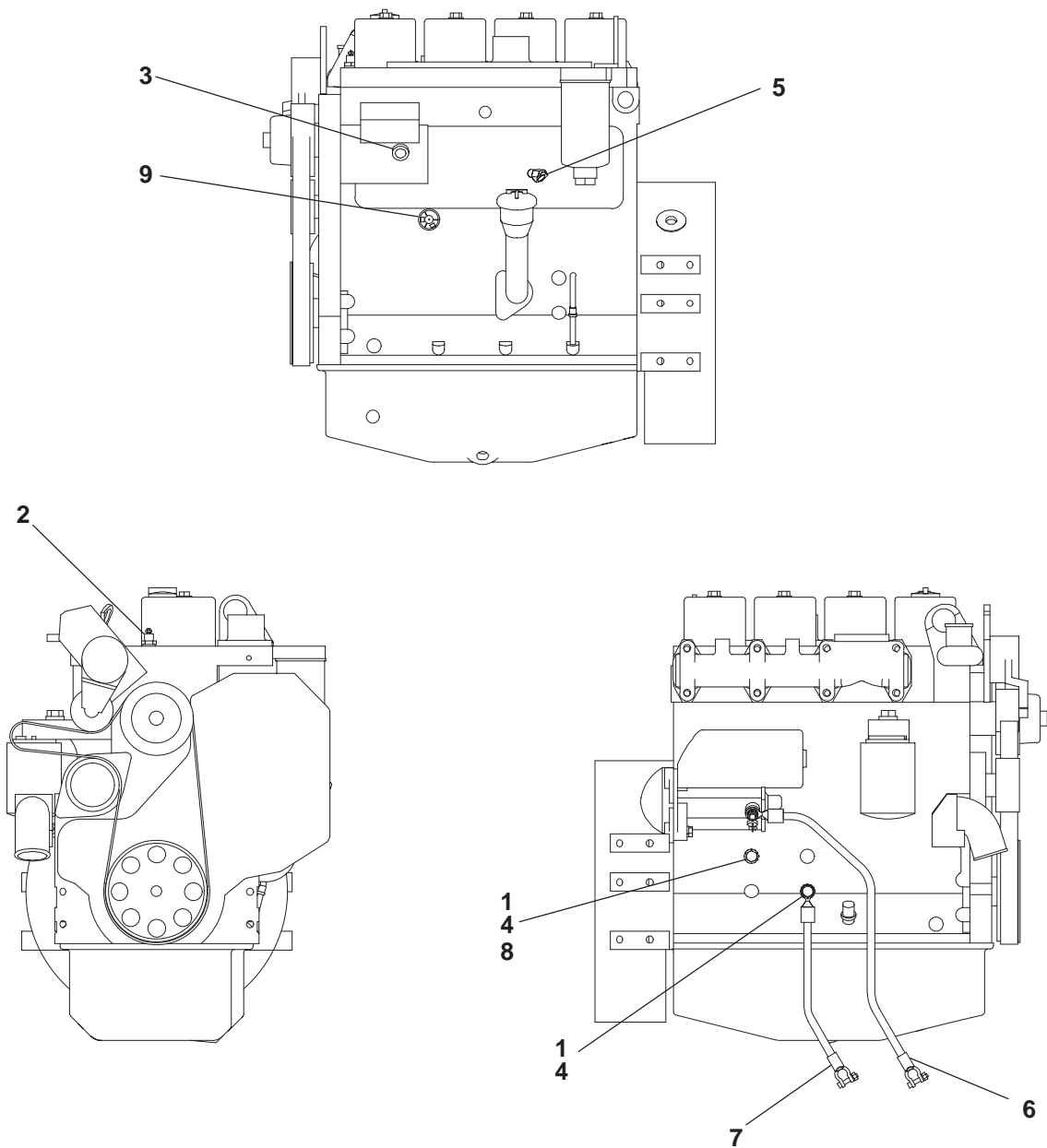
Some of the following abbreviations may be used throughout this Parts Catalog:

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 Generator Sets With Sentinel Control

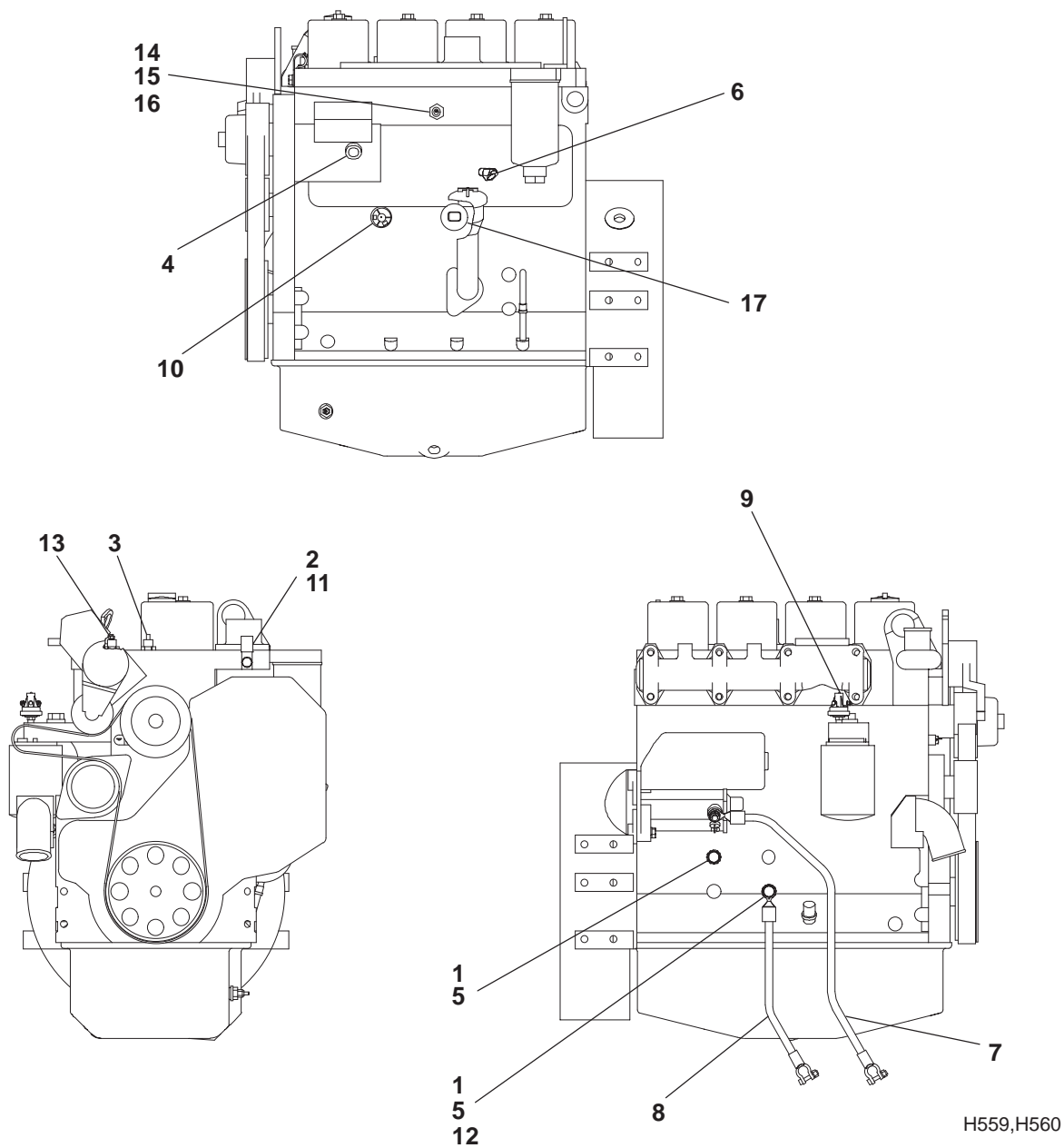


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REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	856-0013	2	Washer, Lock – EIT (1/2)
2	309-0554-01	1	Switch, High Water Temperature (S2)
3	147-0779	1	Sleeve, Pump – Fuel
4	800-2111	2	Screw, Cap – Hex Head (M12 x 1.75 x 25)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
5	502-0199	1	Elbow, Male – Inverted (45°)
6	416-1000	1	Cable, Battery (24")
7	416-0619	1	Cable, Battery (18")
8	526-2140	2	Washer, Flat (M12)
9	309-0641-19	1	Switch, Pressure – Oil (S1)

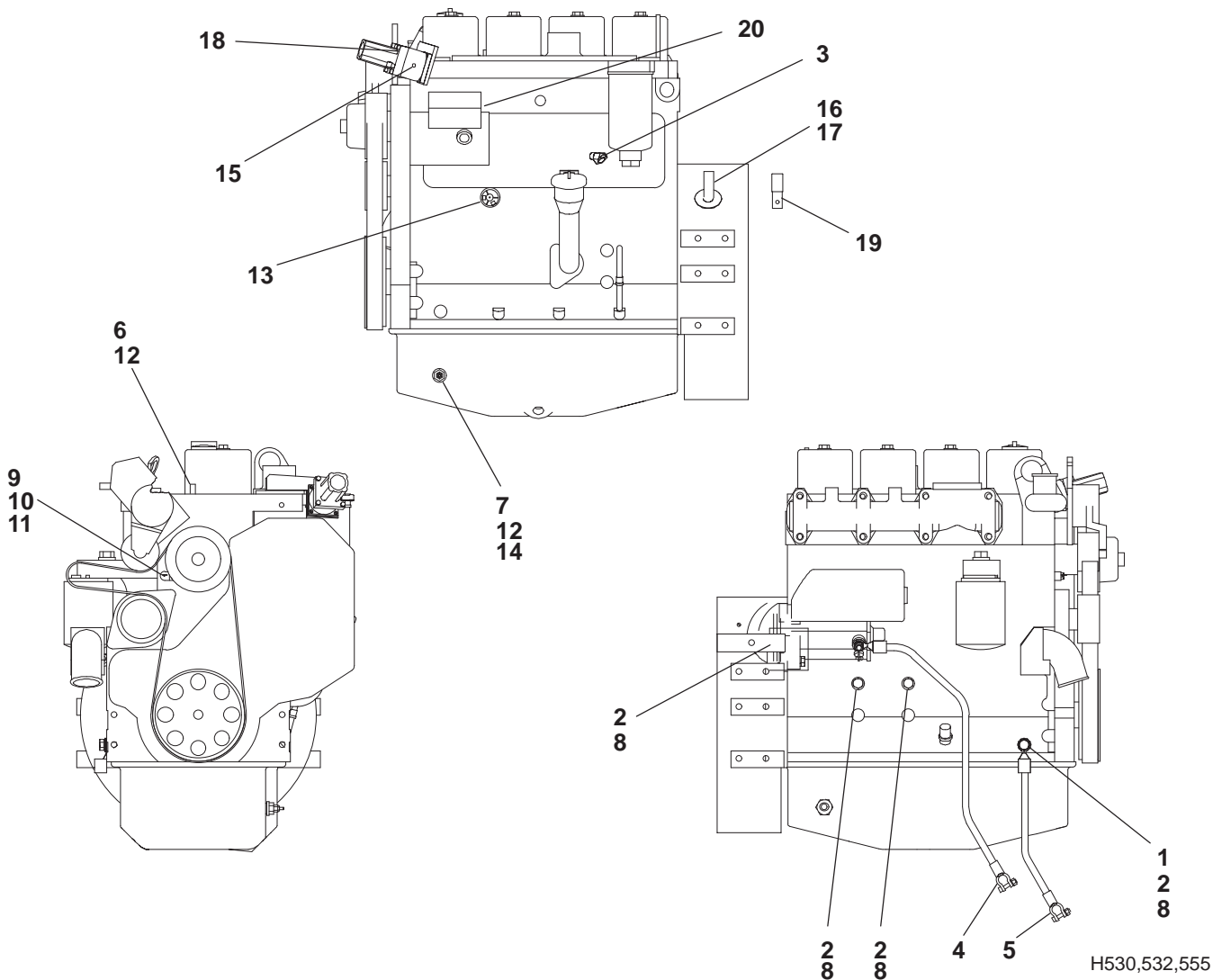
External Engine Parts Generator Sets With Detector Control



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	856-0013	2	Washer, Lock – EIT (1/2)
2	800-2085	1	Screw, Cap – Hex Head (M10 x 1.5 x 25)
3	309-0554-01	1	Switch, High Water Temperature (S2)
4	147-0779	1	Sleeve, Pump – Fuel
5	800-2111	2	Screw, Cap – Hex Head (M12 x 1-3/4 x 25)
6	502-0199	1	Elbow, Male – Inverted (45°)
7	416-1000	1	Cable, Battery (24")
8	416-0619	1	Cable, Battery (18")

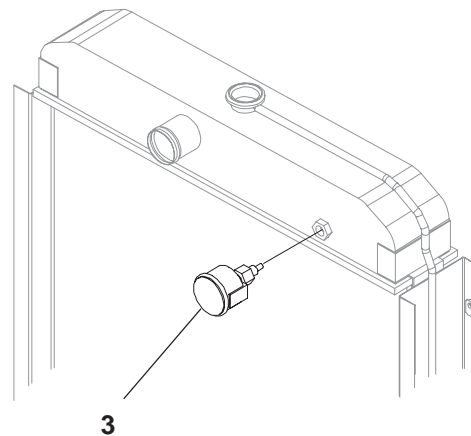
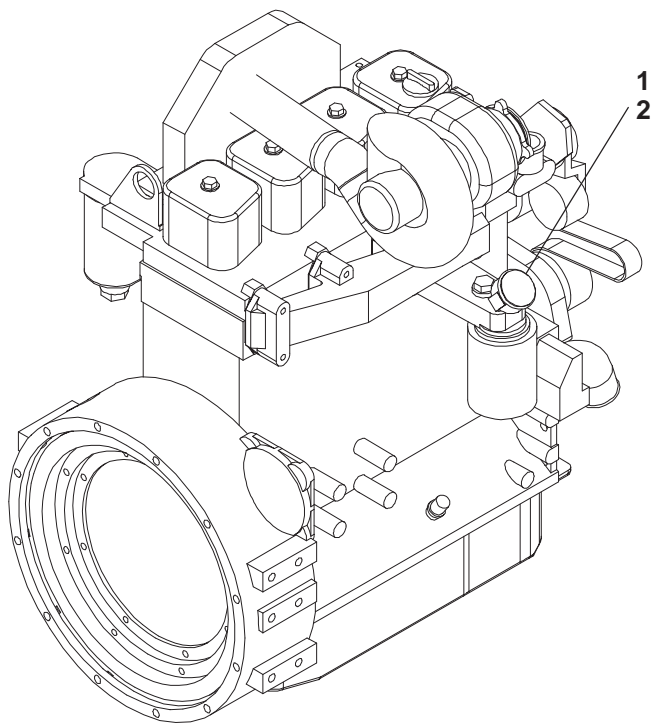
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
9	309-0641-20	1	Switch, Pressure – Oil (S5)
10	309-0641-19	1	Switch, Pressure – Oil (S1)
11	332-2921	1	Clamp, J
12	526-2140	1	Washer, Flat (M12)
13	309-0553-01	1	Thermostat (Pre Water Temp) (S6)
14	193-0375	1	Sender, Water Temperature (E2)
15	526-0008	2	Washer, Flat (#10)
16	870-0131	1	Nut, Hex (#10-32)
17	193-0448	1	Sender, Oil Pressure (E1)

External Engine Parts Generator Sets With PowerCommand Control



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	856-0013	1	Washer, Lock – EIT (1/2)	13	193-0444	1	Sender, Oil Pressure (E1)
2	800-2111	4	Screw, Cap – Hex Head (M12 x 25)	14	102-1356	1	Gasket, Oil Drain
3	502-0199	1	Elbow, Male – Inverted (45°)	15	098-6195-01	1	Label, Caution
4	416-1000	1	Cable, Battery (24")	16	526-0027	1	Washer, Flat (13/16")
5	416-0619	1	Cable, Battery (18")	17	332-1993	2	Terminal, Receptacle (.25)
6	505-0019	1	Bushing, Reducer (1/2" x 3/8")	18	150-2331	1	Actuator, Linear – DGBB Spec D, E, DGBC Spec C, D, DGCA and DGCB Spec L, M
7	102-1448-02	1	Adapter, Oil Drain				
8	526-2140	4	Washer, Flat (M12)	19	332-3196	1	Clamp, J
9	309-0269	1	Sender, Low Engine Temperature (S4)	20	150-2735-01	1	Actuator, Rotating – DGBB Spec F, DGBC Spec E, DGCA and DGCB Spec N (Standard on Sets With PCC Control – Also Shown in Electronic Governor Group)
10	850-2008	1	Washer, Lock (M8)				
11	800-2058	1	Screw, Cap – Hex Head (M8 x 25)				
12	193-0432	2	Sender, Temperature (E2, E4)				

Engine Gauges (Sentinel Control)

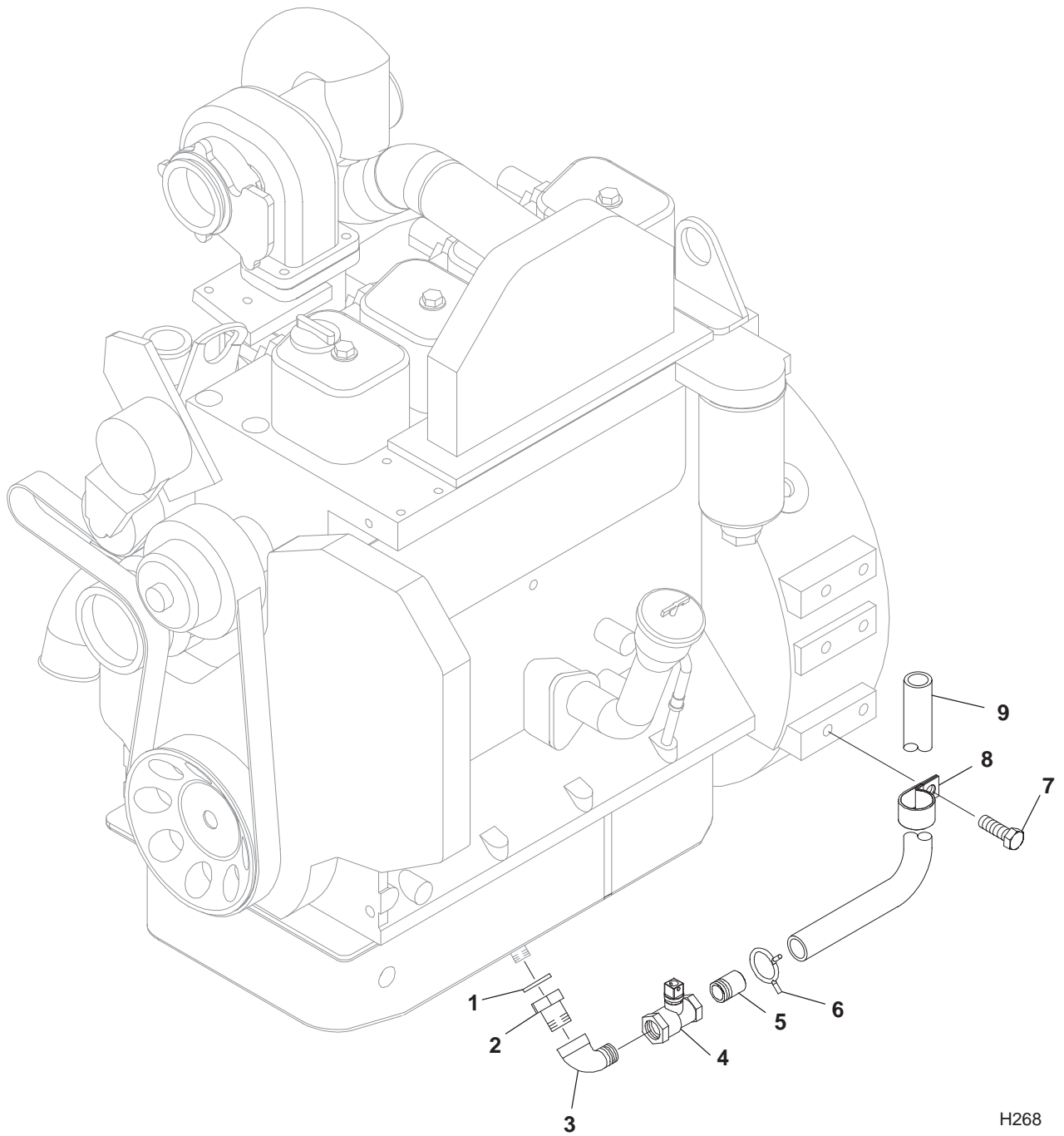


H563

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	193-0451	1	Gauge, Pressure – Oil
2	502-0053	1	Elbow, Street – Pipe

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
3	193-0463	1	Gauge, Temperature – Water

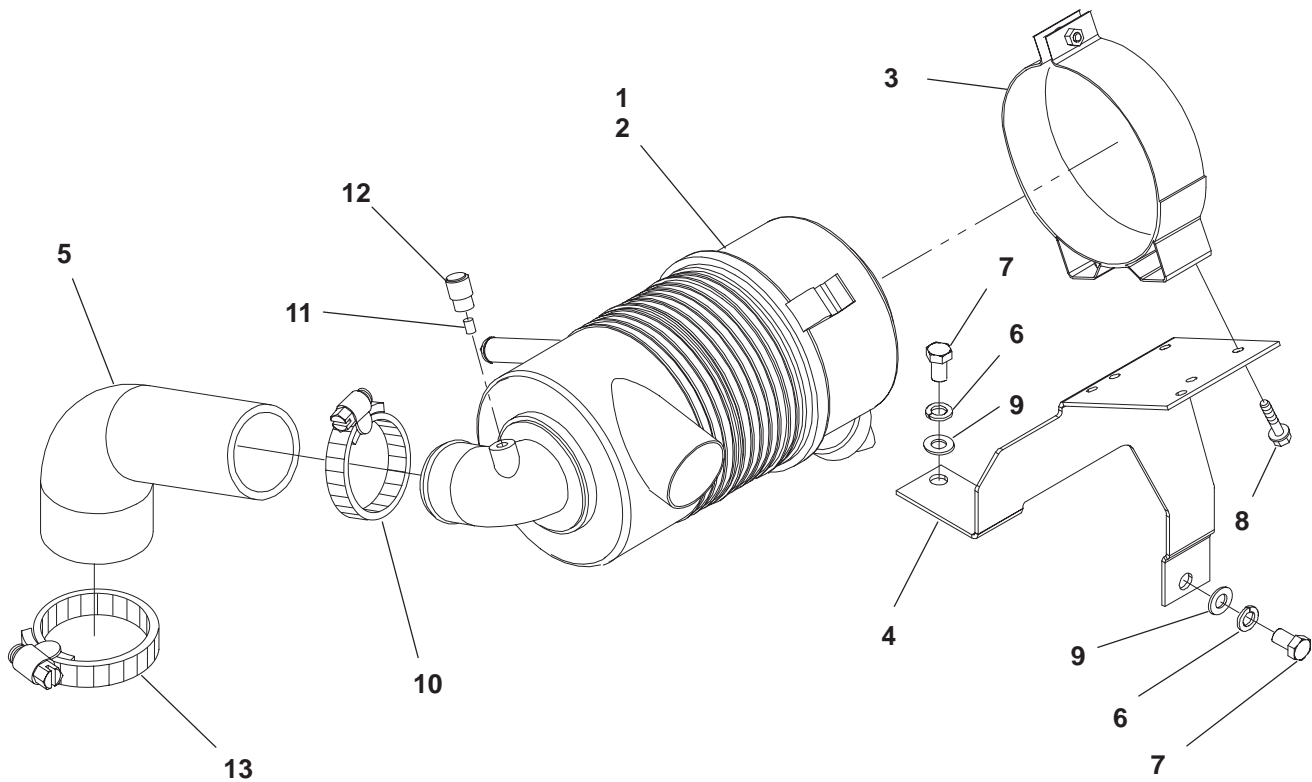
Oil Drain Extension



H268

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	102-1147	1	Gasket, Drain - Oil Pan	7	800-2111	1	Screw, Cap - Hex Head (M12 x 1.75 x 20)
2	102-1237	1	Adapter, Oil Drain	8	503-0197	1	Clip, Hose - Corbin
3	505-0050	1	Elbow, Street (1/2NPT x 90 degrees)	9	503-0098	-	Hose, Drain - Bulk (Order By The Foot - 2 Feet Required)
4	504-0011	1	Valve, Shutoff (1/2)				
5	505-0185	1	Nipple, Half (1/2NPT x 1.5)				
6	518-0548-02	1	Clamp, Hose				

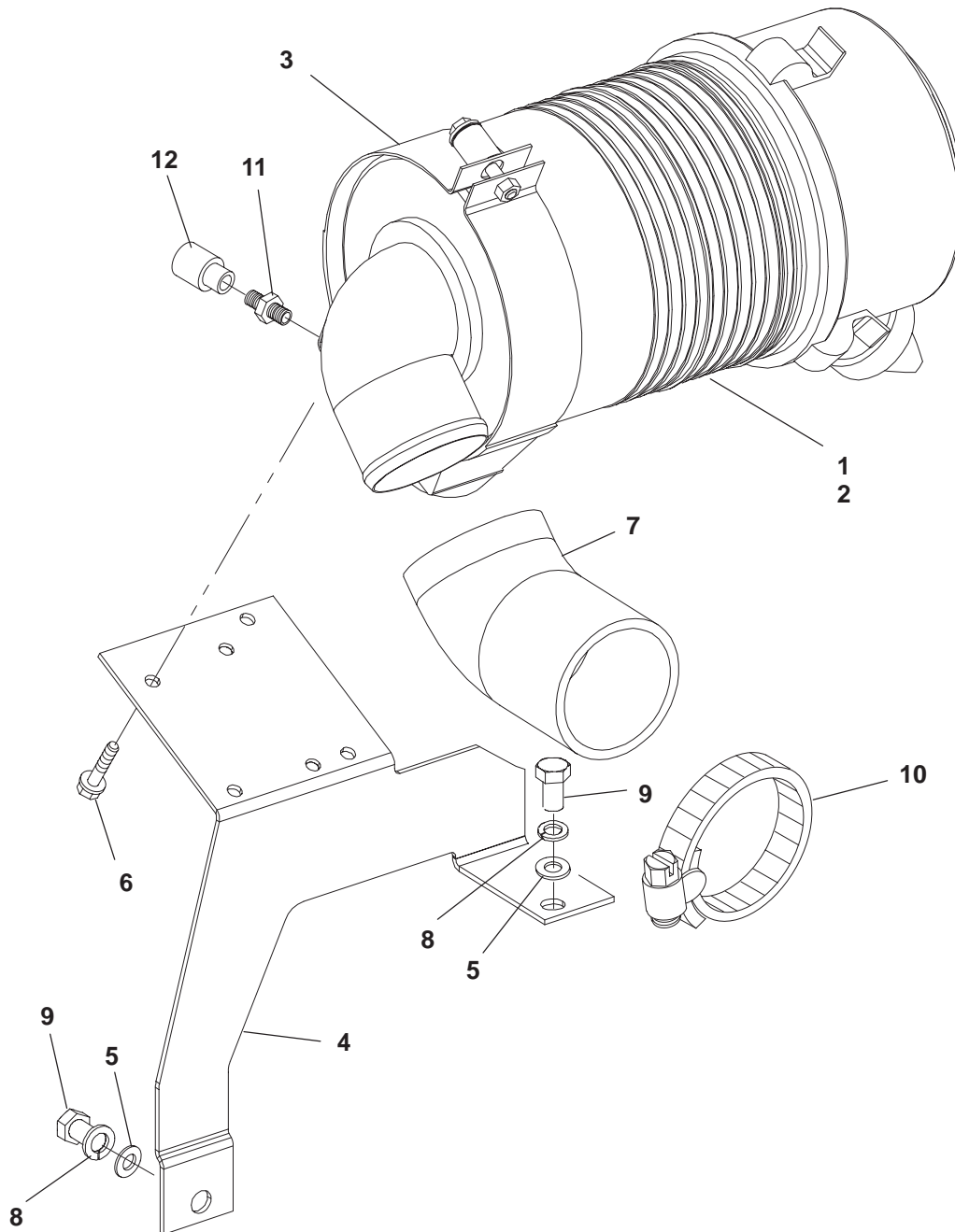
Air Cleaner DGBB, DGBC



CP01

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-3051	1	Cleaner, Air (6")	8	800-2056	2	Screw, Cap – Hex Head (M8 x 16)
2	140-3055	1	Element, Cleaner – Air	9	526-2140	2	Washer, Flat (M12)
3	140-3053	1	Band, Cleaner – Air	10	503-1870-05	2	Clamp, Hose
4	140-3063	1	Bracket, Mounting – Air Cleaner	11	140-1260	1	Fitting, Safety – Filter
5	503-2029	1	Elbow, Cleaner – Air	12	140-2008	1	Indicator, Service
6	850-2012	2	Washer, Lock – Spring	13	503-1870-06	1	Clamp, Hose
7	800-2111	2	Screw, Cap – Hex Head (M12 x 1.75 x 25)				

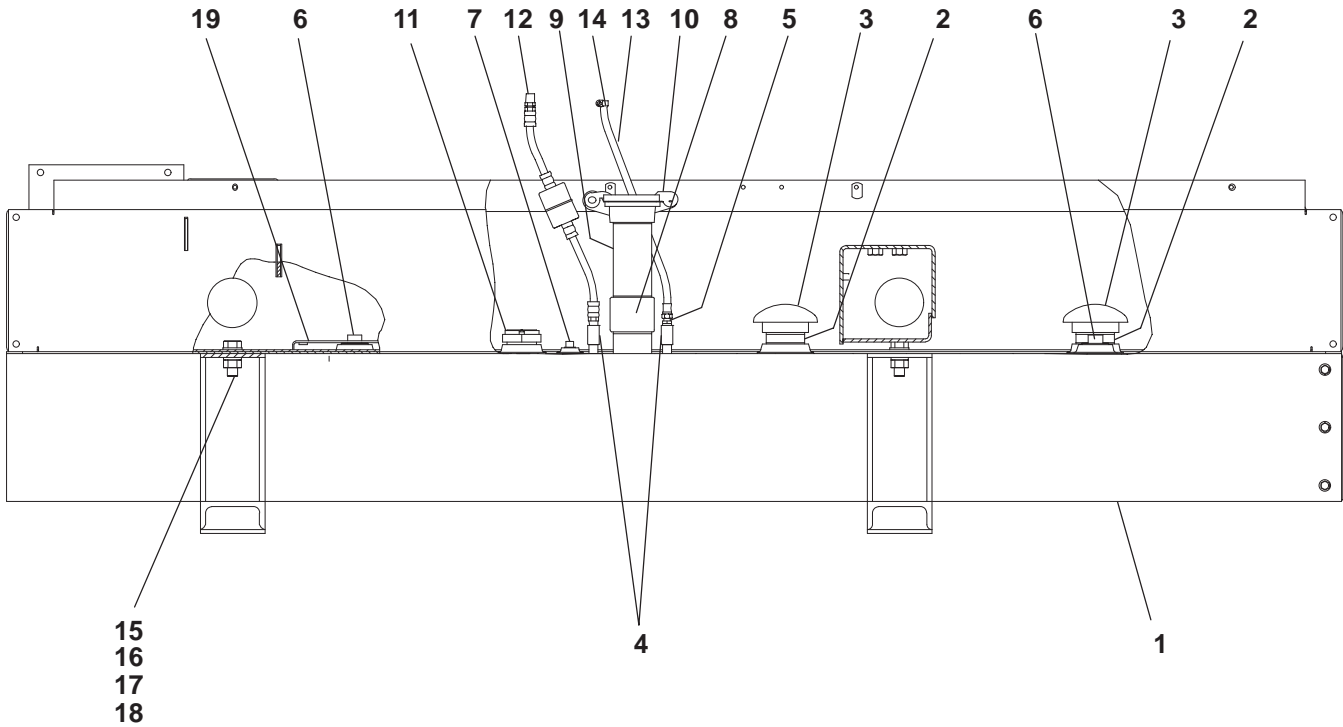
Air Cleaner DGCA, DGCB



CP01

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-3056	1	Cleaner, Air (7")	7	503-2032	1	Elbow, Cleaner – Air
2	140-3067	1	Element, Filter – Air	8	850-2012	2	Washer, Lock – Spring (M12)
3	140-3054	1	Band, Cleaner – Air	9	800-2111	2	Screw, Cap – Hex Head (M12 x 1.75 x 25)
4	140-3063	1	Bracket, Mounting – Air Cleaner	10	503-1870-06	2	Clamp, Hose
5	526-2140	2	Washer, Flat (M12)	11	140-1260	1	Fitting, Safety – Filter
6	800-2056	2	Screw, Cap – Hex Head (M8 x 16)	12	140-1548	1	Indicator, Service

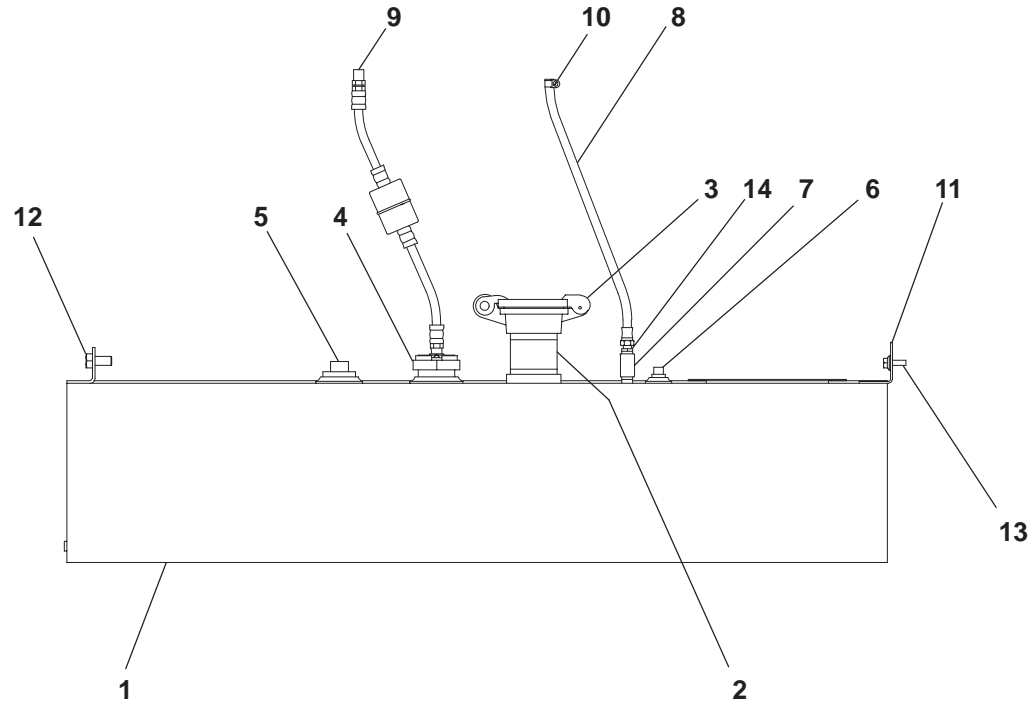
Subbase Fuel Tank



C167,168,169

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

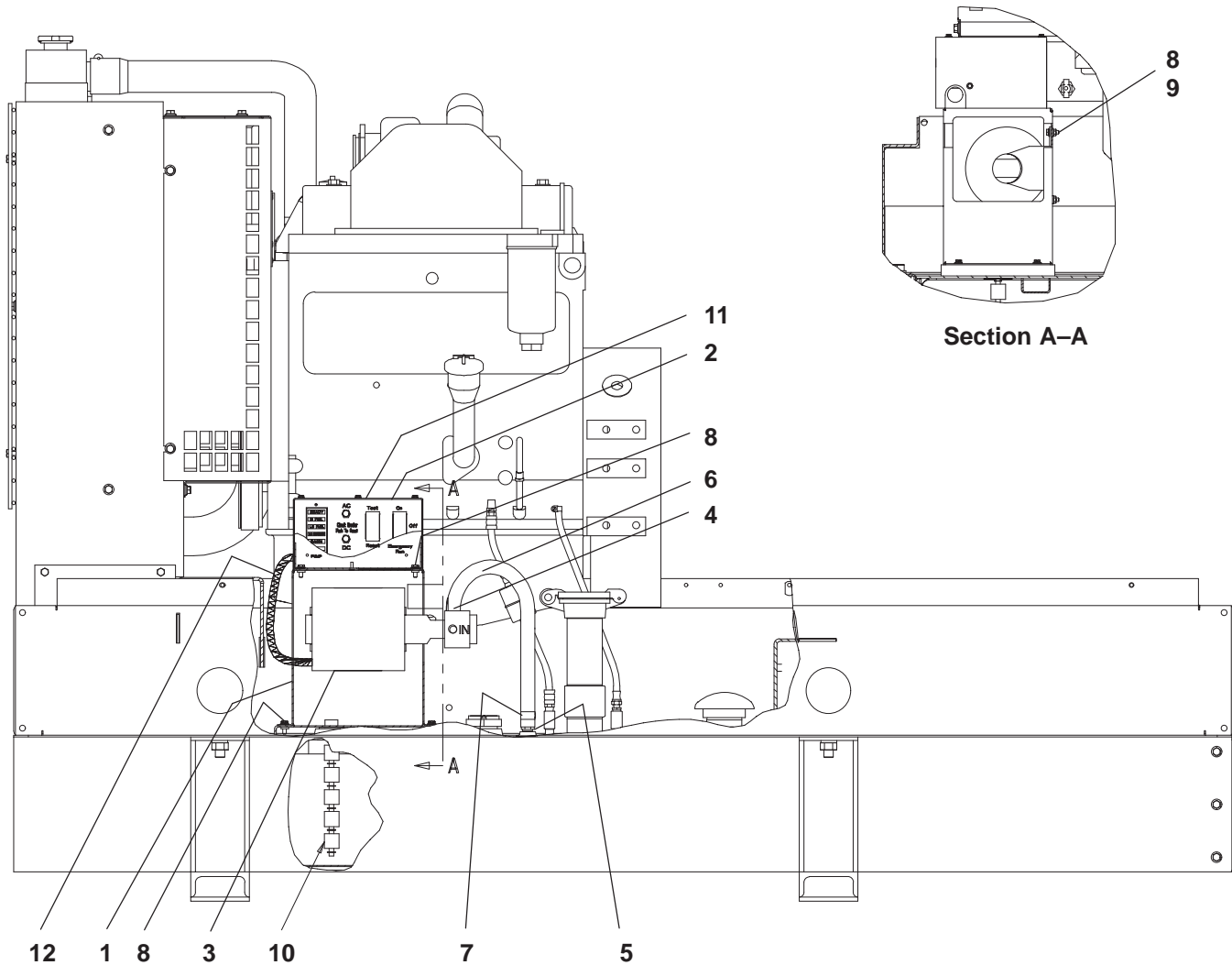
In-Skid Fuel Tank



C115

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	159-1472	1	Tank, Fuel (49 Gallon)	10	503-0685	1	Clamp, Hose
2	505-0645	1	Nipple, Pipe (2" x 3" Long)	11	405-5426	1	Support, Baffle
3	415-0043	1	Cap, Fill – Fuel	12	800-2543-02	4	Screw, Cap – Hex Head (M12 x 25)
4	415-0565-61	1	Gauge, Level – Fuel	13	821-6003-02	2	Screw, Self-Locking – Hex Washer Head (M8 x 20)
5	505-0359	1	Plug, Square Head (1-1/4")	14	505-0007	1	Bushing, Reducer (1/4" x 1/8")
6	505-0110	1	Plug, Square Head (3/8")				
7	505-0027	2	Coupling, Pipe (1/4")				
8	501-0502	1	Line, Fuel – In				
9	501-0627-03	1	Line, Fuel – Out				

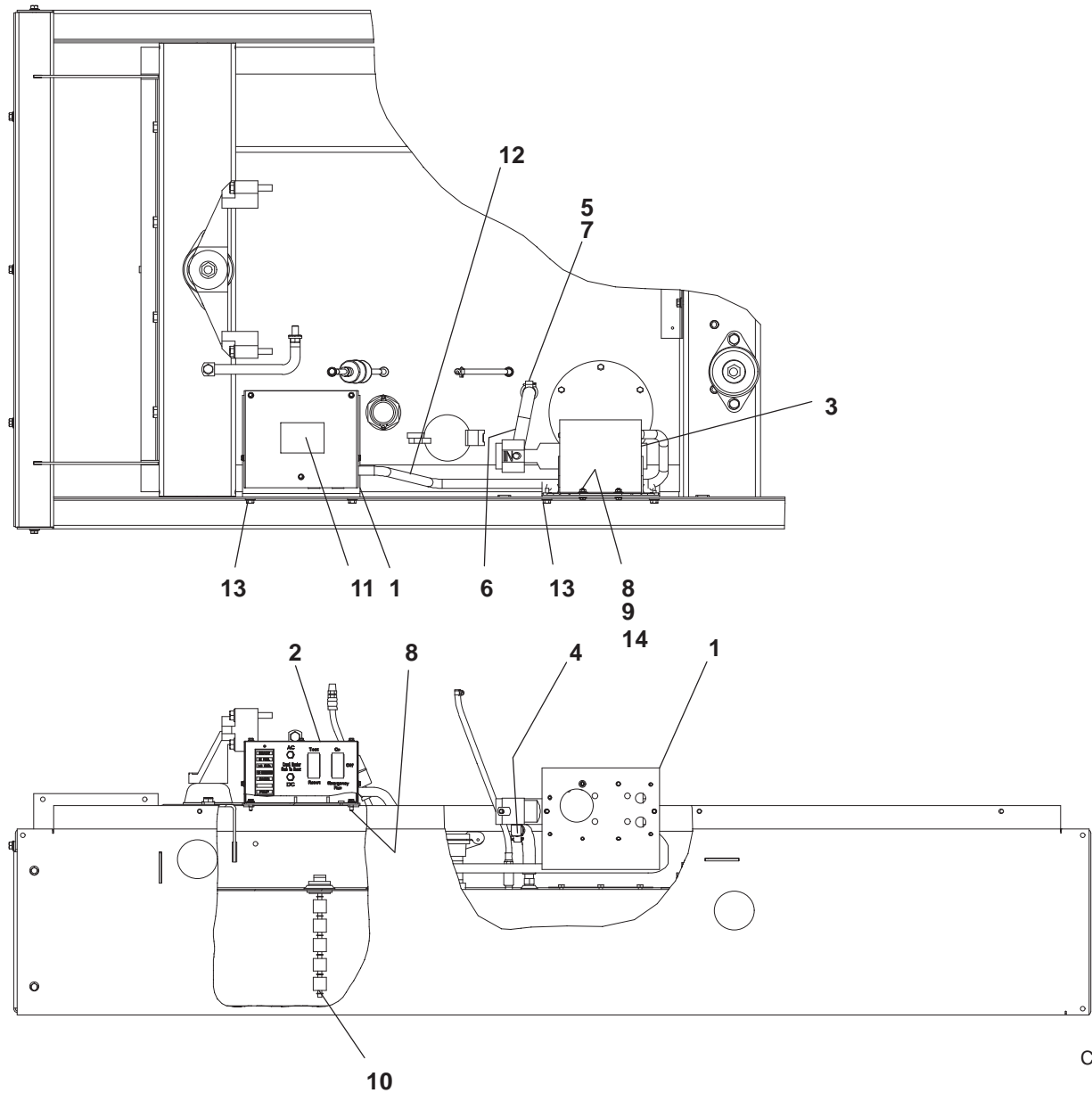
Subbase Fuel Tank Pump and Control



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

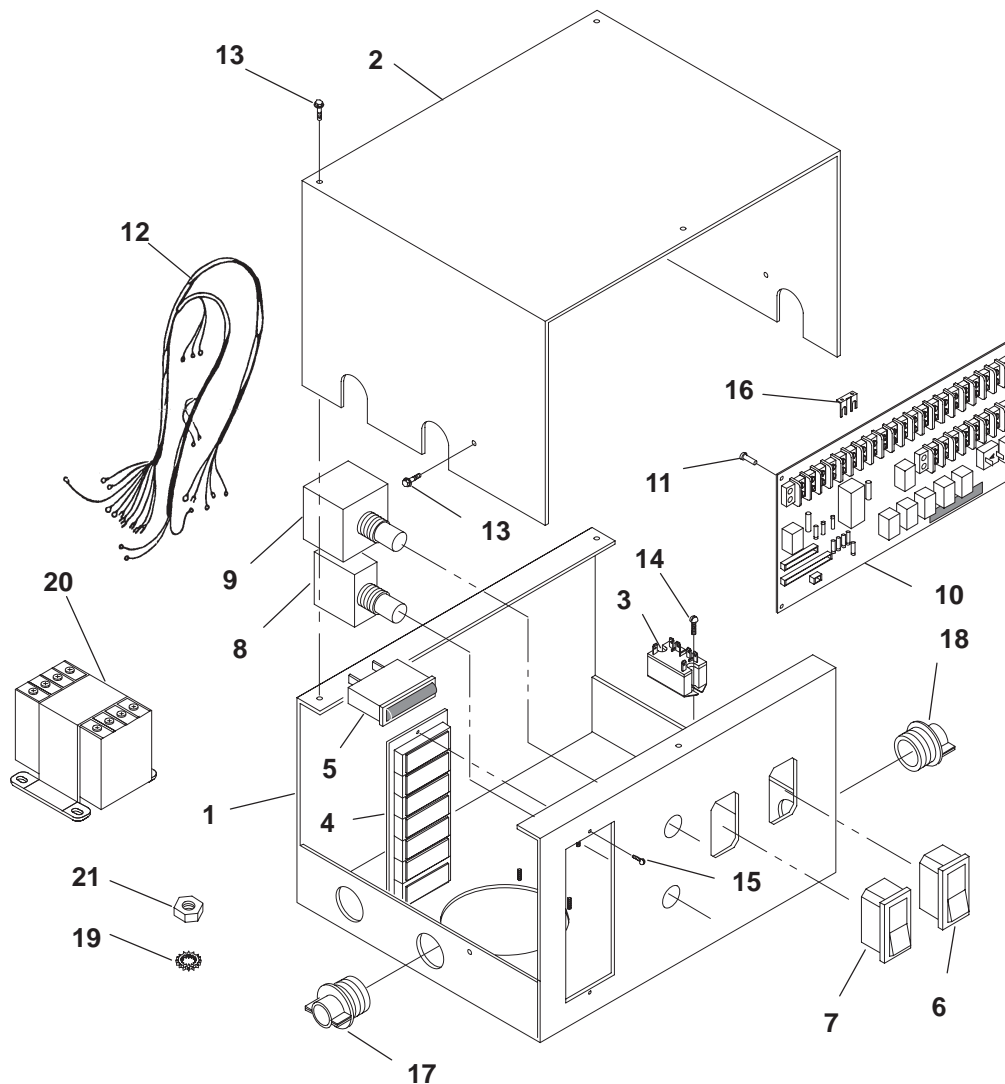
In-Skid Fuel Tank Pump and Control



C115

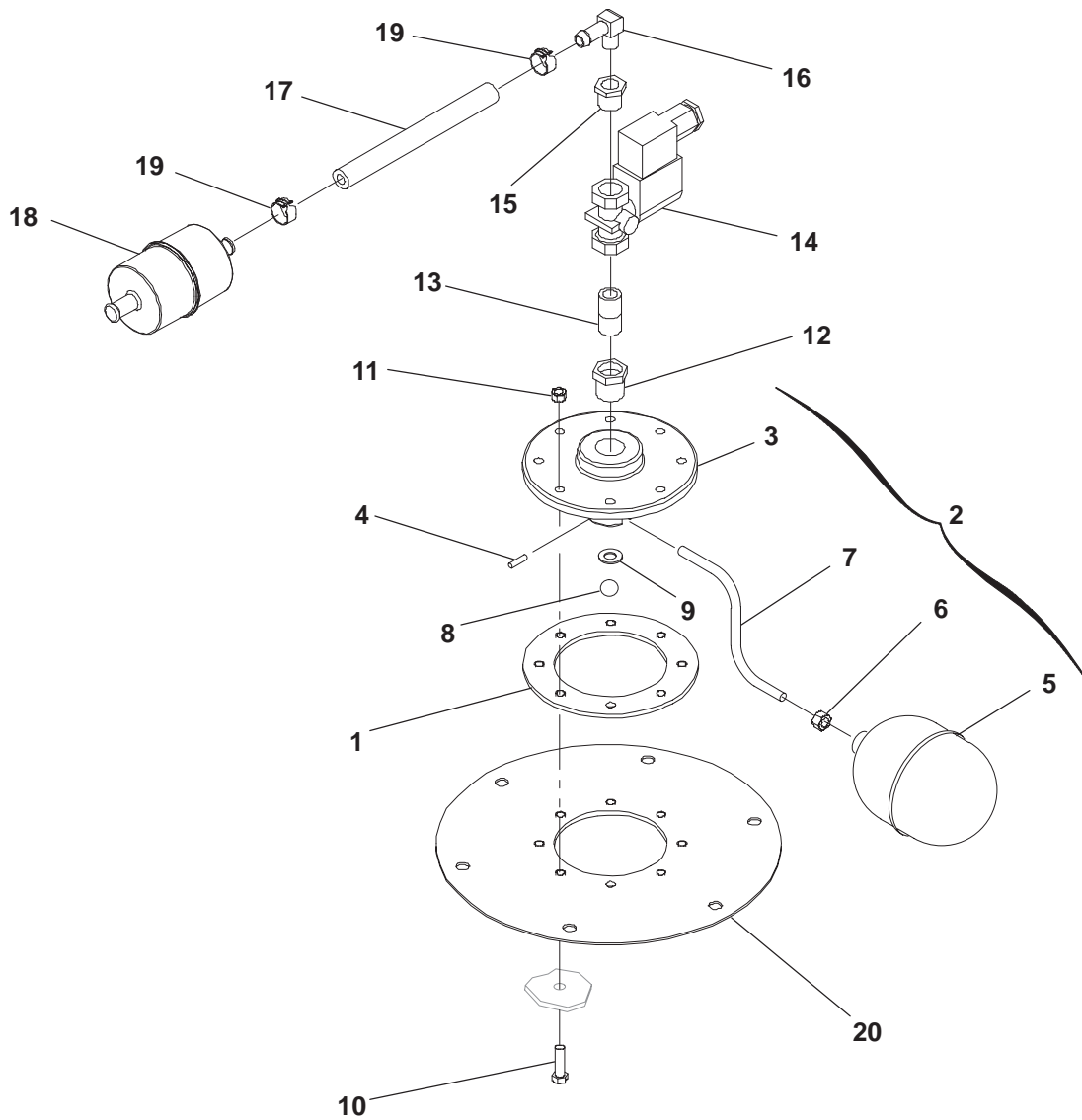
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	159-1481	2	Bracket, Control Mounting	7	503-0183	2	Clamp, Hose
2	625-2141-02	1	Control, Fuel Tank (See Separate Page for Components)	8	821-2033	8	Screw, Lock – Flange (M6 x 1 x 16)
3	399-0117-01	1	Pump	9	870-2054	4	Nut, Lock – Flange (M6 x 1)
4	502-0942	1	Elbow, Hose – 90°	10	308-0913-09	1	Switch, Float
5	502-0943	1	Connector, Hose (1/2 x 5/8 hose)	11	098-5387	1	Label, Danger
6	503-1660-07	1	Hose, Fuel (Pump to Tank)	12	338-2800	1	Harness, Pump to Control
				13	821-6003-02	4	Screw, Hex Head (M8 x 20)
				14	526-0399-59	4	Washer, Flat (M6)

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	319-0486	1	Box, Control	11	870-0458	4	Spacer, Board – Printed Circuit
2	319-0485	1	Cover, Box	12	338-2382	1	Harness, Wiring – Control Box
3	307-2677-02	1	Relay, Pump (K130)	13	815-0350	5	Screw, Self-Tapping – Slotted Hex Washer Head (#10-32 x 3/8")
4	322-0403-02	1	Light, Assembly, Indicator – 7 Light (Includes Wiring Harness)	14	812-0075	2	Screw, Machine – Round Head (#8-32 x 1/4")
5	322-0369-02	1	Lamp, Indicator – Replacement	15	815-0385	2	Screw, Machine – Round Head (#6-32 x 1/2")
6	308-0912	1	Switch, Rocker (On/Off/ Emergency Run) (S102)	16	332-2605	2	Jumper, Terminal
7	308-0852	1	Switch, Rocker (Reset/Off/Test) (S111)	17	331-0027	2	Connector, Romex
8	320-1653	1	Breaker, Circuit – DC (Single Pole) (CB107)	18	331-0042	1	Connector, Knockout
9	320-1654	1	Breaker, Circuit – AC (Double Pole) (CB101)	19	856-0002	1	Washer –EIT (#8)
				20	315-0687	1	Transformer
				21	856-0002	1	Nut, Hex (8-32)

Float Valve

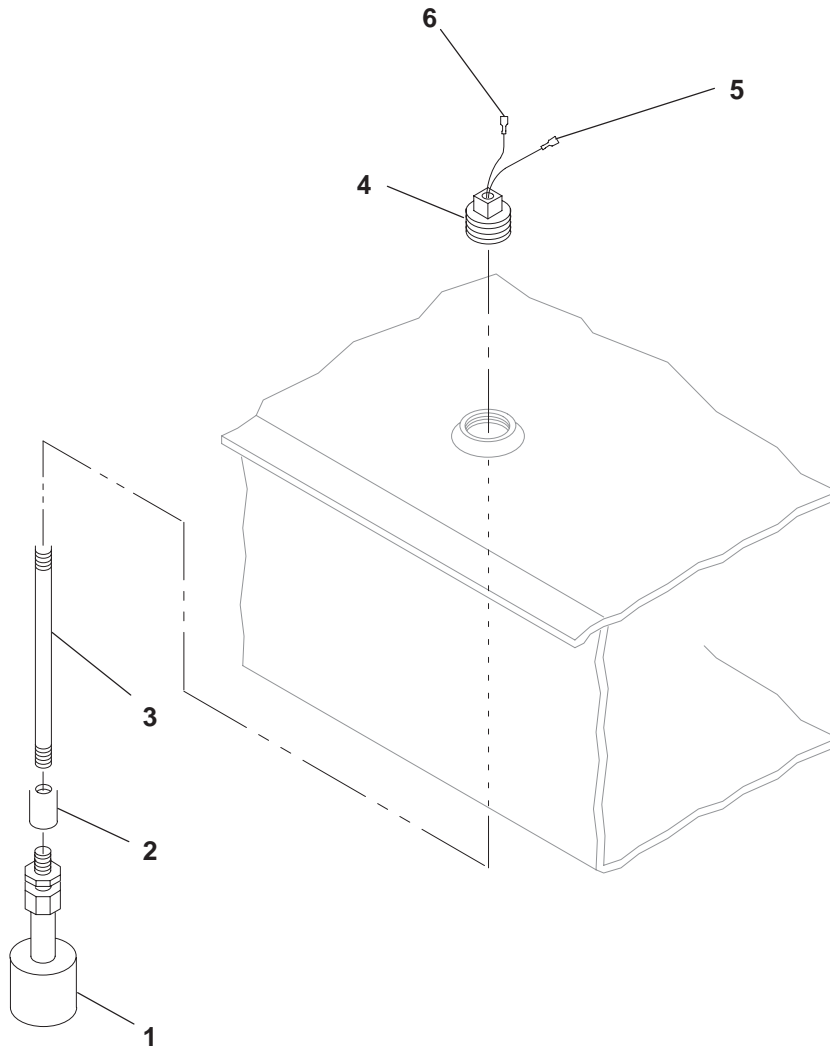


C173

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	415-0660	1	Gasket, Cover Plate	12	502-0050	1	Bushing, Reducer (3/8" x 1/4")
2	415-0657-01	1	Valve Assembly, Float (Includes Parts Marked *)	13	502-0047	1	Nipple, Close (1/4")
3	415-0650-01	1	* Body, Valve	14	307-2851	1	Valve, Solenoid – N/C
4	415-0651-19	1	* Pin, Roll	15	502-0029	1	Bushing, Reducer
5	415-0652	1	* Ball, Float	16	502-0433	1	Elbow, Male – Hose
6	864-0011	1	* Nut, Jam (1/4-20)	17	503-1837	1	Hose (125mm)
7	415-0818	1	* Arm, Float	18	149-2441	1	Filter, Screen – Fuel
8	415-0655	1	* Ball, Steel	19	503-1445-06	2	Clamp, Hose
9	415-0656-21	1	* Seal, Ring	20	159-1439	1	Cover
10	800-2010	8	Screw, Cap – Hex Head (M5 x 20)				
11	860-2006	8	Nut, Hex (M5 x 0.8)				

* – Parts Included in 415-0657-01 Float Valve Assembly

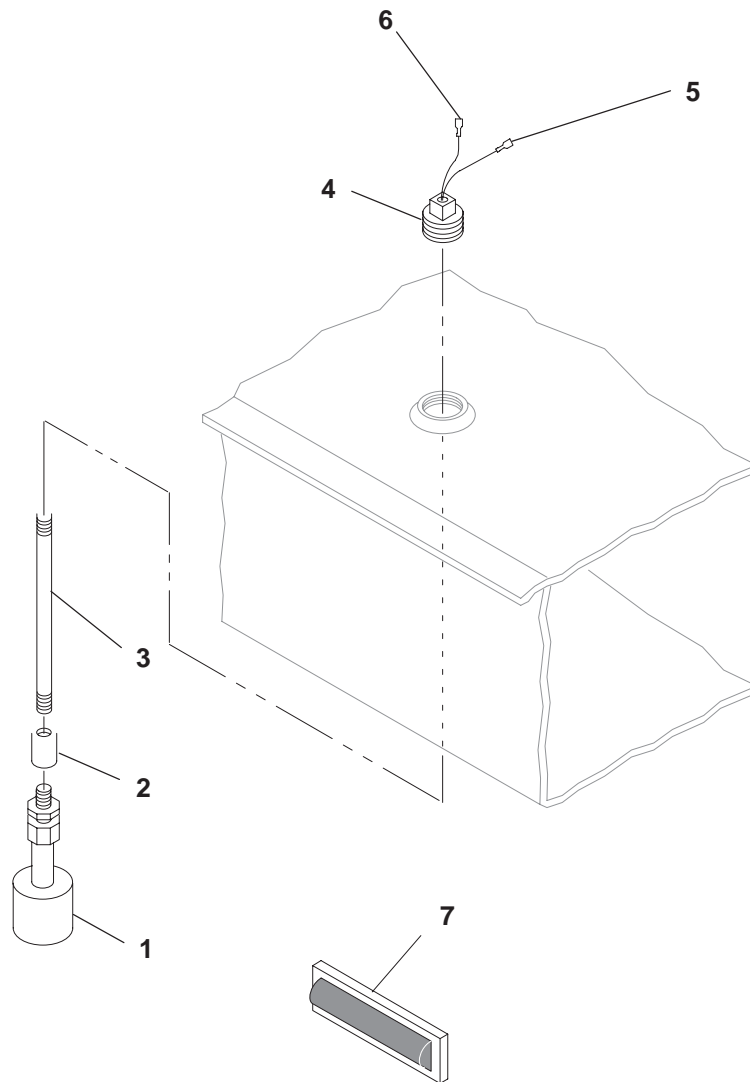
Low Fuel Alarm



H573

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				

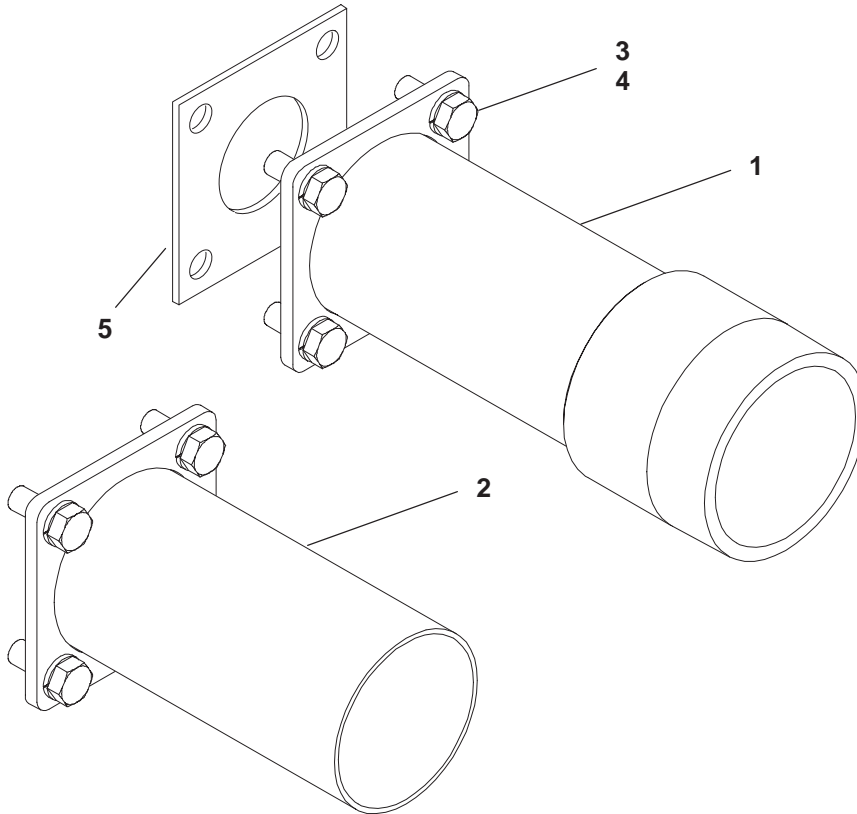
Basin Alarm



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)				

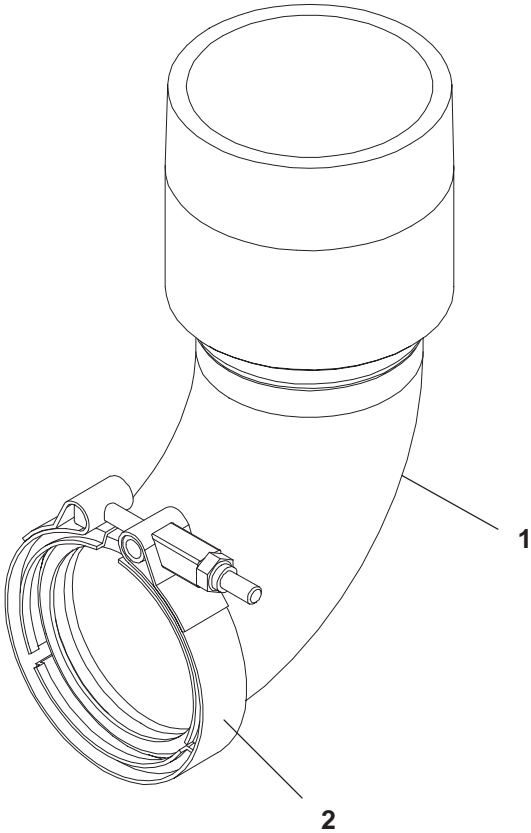
Exhaust Adapter DGBB, DGBC



A299
A298,379

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-3120-02	1	Adapter, Exhaust (For Threaded Exhaust Pipe)	3	850-2010	4	Washer, Lock – Spring (M10)
2	155-3196	1	Adapter, Exhaust (For Clamped Slip On Exhaust Pipe)	4	800-2086	4	Screw, Cap – Hex Head (M10 x 1.5 x 25)
				5	154-2708	1	Gasket, Exhaust

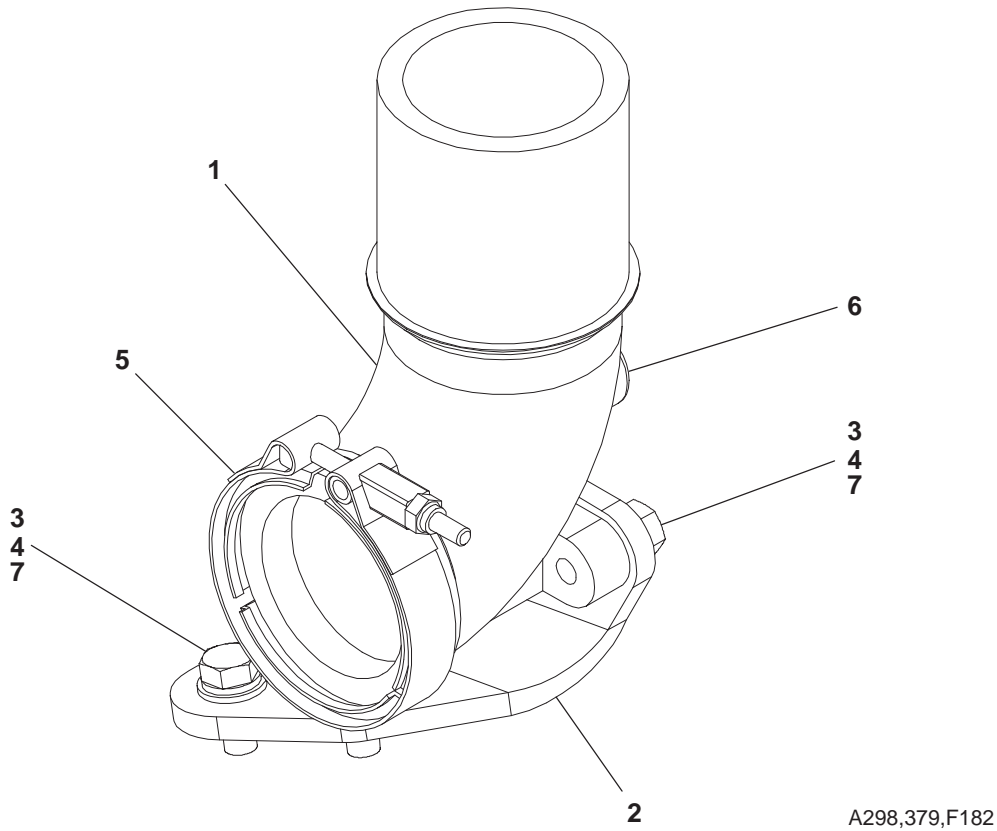
Exhaust Adapter
DGCA, DGCB
Standard



A299

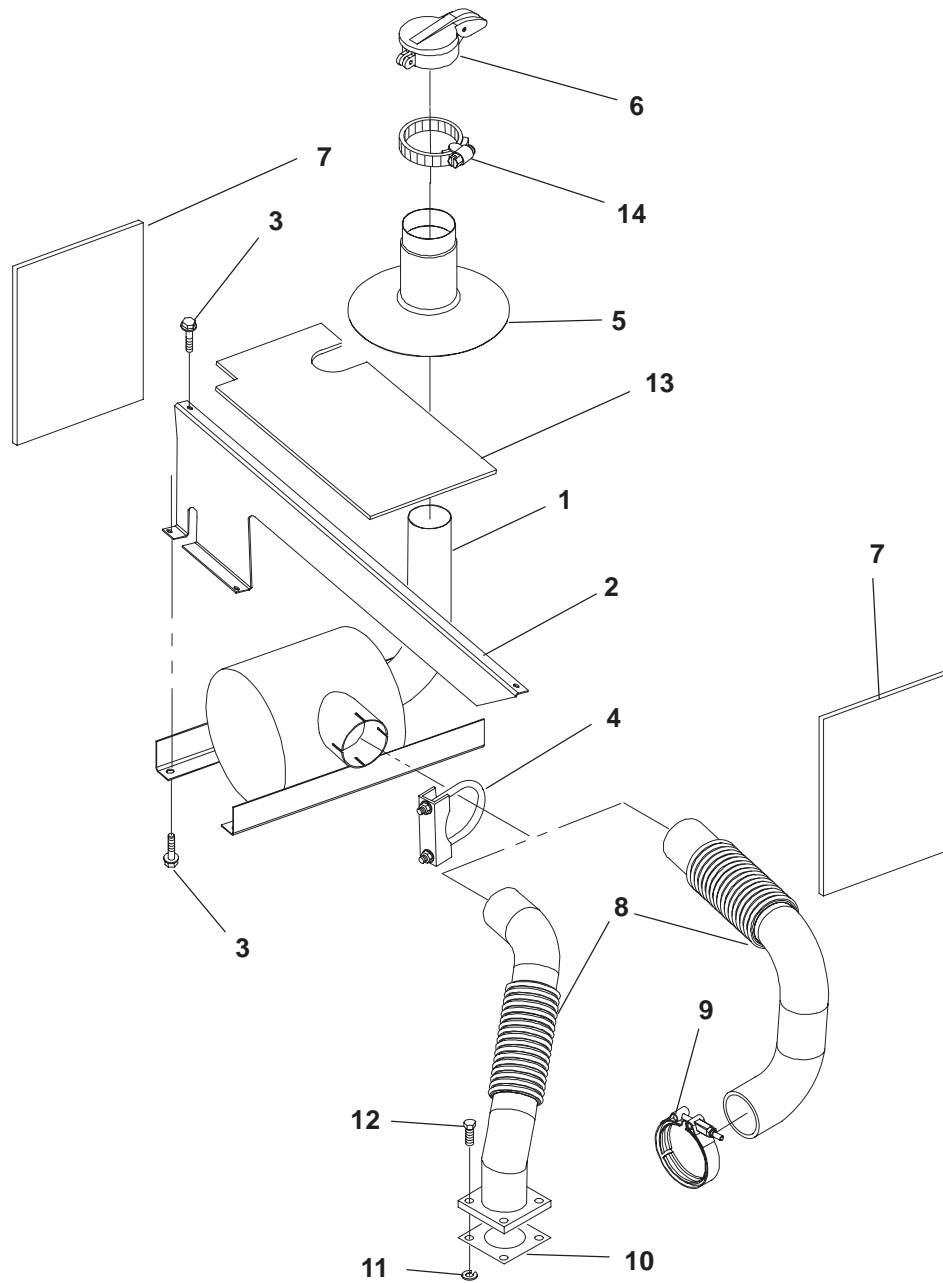
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-3116	1	Adapter, Exhaust (3")	2	155-2565	1	Clamp, V-Band

**Exhaust Adapter
DGCA, DGCB
Housed Sets**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-3117	1	Adapter, Exhaust	5	155-2565	1	Clamp, V Band
2	155-3125	1	Brace, Exhaust	6	505-0180	1	Plug
3	850-2010	4	Washer, Lock – Spring (M10)	7	526-2120	4	Washer, Flat (M10)
4	800-2086	4	Screw, Cap – Hex Head (M10 x 1.5 x 25)				

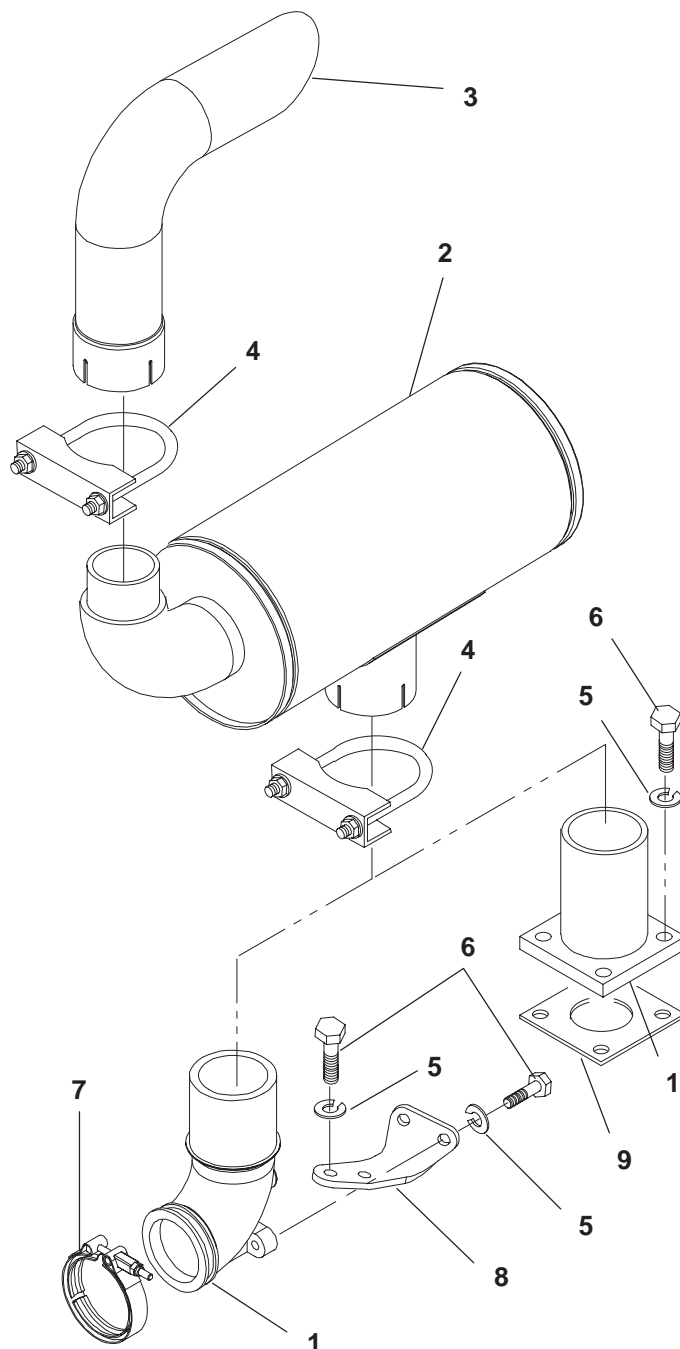
Muffler – Residential
DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L



A374

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-3082	1	Muffler	9	155-2565	1	Clamp, V-Band (DGCA, DGCB)
2	155-3066	2	Bracket, Mounting – Muffler	10	154-2708	1	Gasket, Exhaust (DGBB, DGBC)
3	821-6003-02	8	Screw, Hex Head (M8 x 1.25 x 20)	11	850-2010	4	Washer, Lock (M10) (DGBB, DGBC)
4	155-2175	1	Clamp, Muffler	12	800-2086	4	Screw, Cap – Hex Head (M10 x 1.5 x 25) (DGBB, DGBC)
5	155-3102-01	1	Shield, Rain	13	128-0251	1	Insulation, Foam
6	155-2062-01	1	Cap, Rain	14	503-1870-04	1	Clamp, Hose
7	128-0154-02	2	Insulation, Foam				
8			Pipe, Exhaust				
	155-3064	1	DGCA, DGCB				
	155-3086	1	DGBB, DGBC				

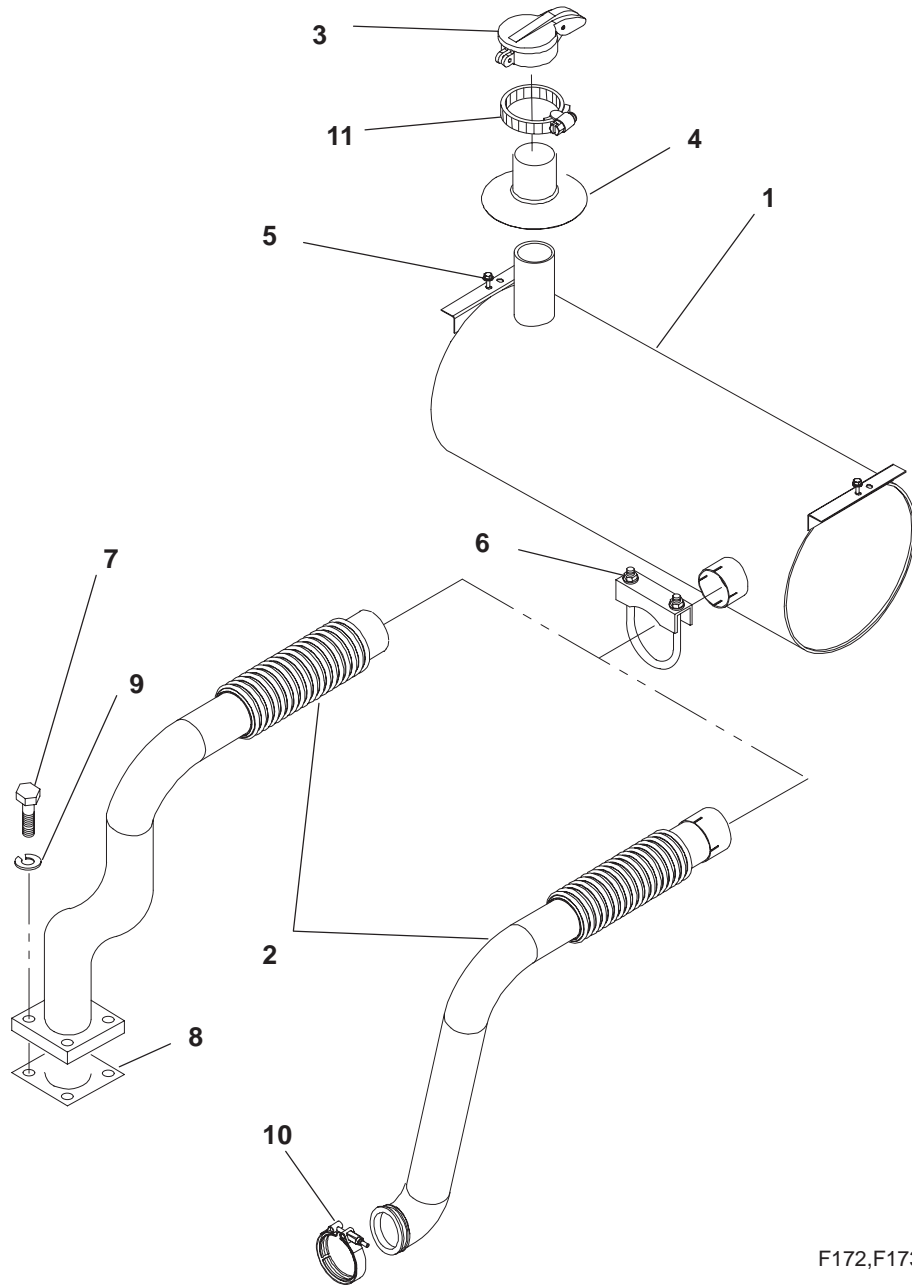
Muffler – Industrial
DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L



A373

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-3120-01	1	Adapter, Exhaust	7	155-2565	1	Clamp, V-Band
	155-3117	1	DGBB, DGBC				(DGCA, DGCB)
2	155-3114	1	DGCA, DGCB	8	155-3118		Brace, Exhaust
3	155-3115	1	Muffler		155-3125		DGCA, DGCB Without MOH
4	155-2175	2	Pipe, Outlet	9	154-2708	1	DGCA, DGCB With MOH
5	850-2010	4	Clamp, Muffler				Gasket (DGBB, DGBC)
6	800-2086	4	Washer, Lock – EIT (M10)				
			Screw, Cap – Hex Head				
			(M10 x 1.5 x 25)				

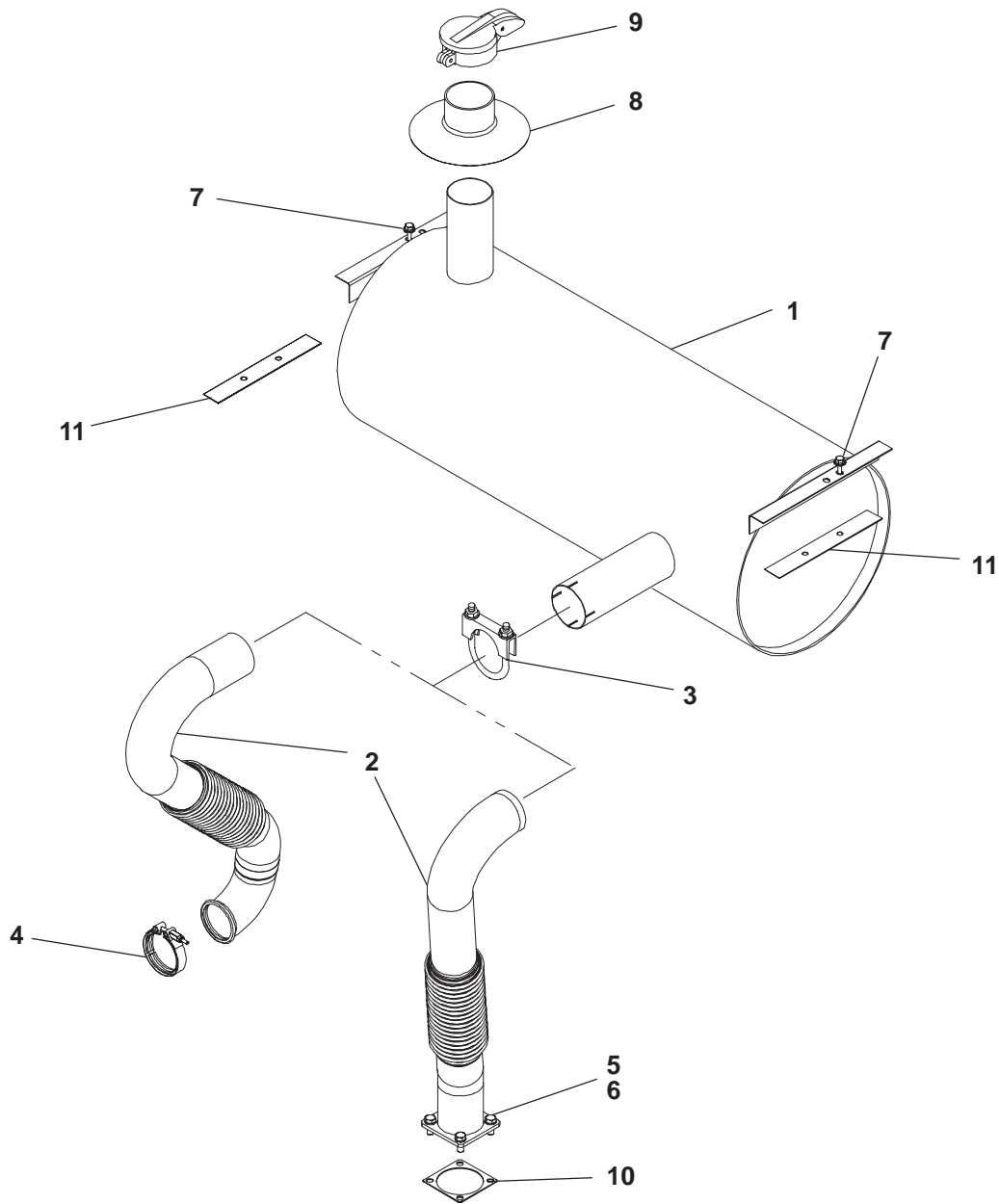
Muffler – Critical
DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L



F172,F173

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-3074	1	Muffler	8	154-2708	1	Gasket, Exhaust (DGBB, DGBC)
2	155-3176	1	Pipe, Exhaust DGBB, DGBC	9	850-2010	4	Washer, Lock – Spring (M10) (DGBB, DGBC)
	155-3177	1	DGCA, DGCB	10	155-2565	1	Clamp, V-Band (DGCA, DGCB)
3	155-2062-10	1	Cap, Rain	11	503-1870-05	1	Clamp, Hose
4	155-3102-02	1	Shield, Rain				
5	821-6003-02	2	Screw, Hex Head (M8 x 20)				
6	155-2175	1	Clamp, Muffler				
7	800-2086	4	Screw, Cap – Hex Head (M10 x 25) (DGBB, DGBC)				

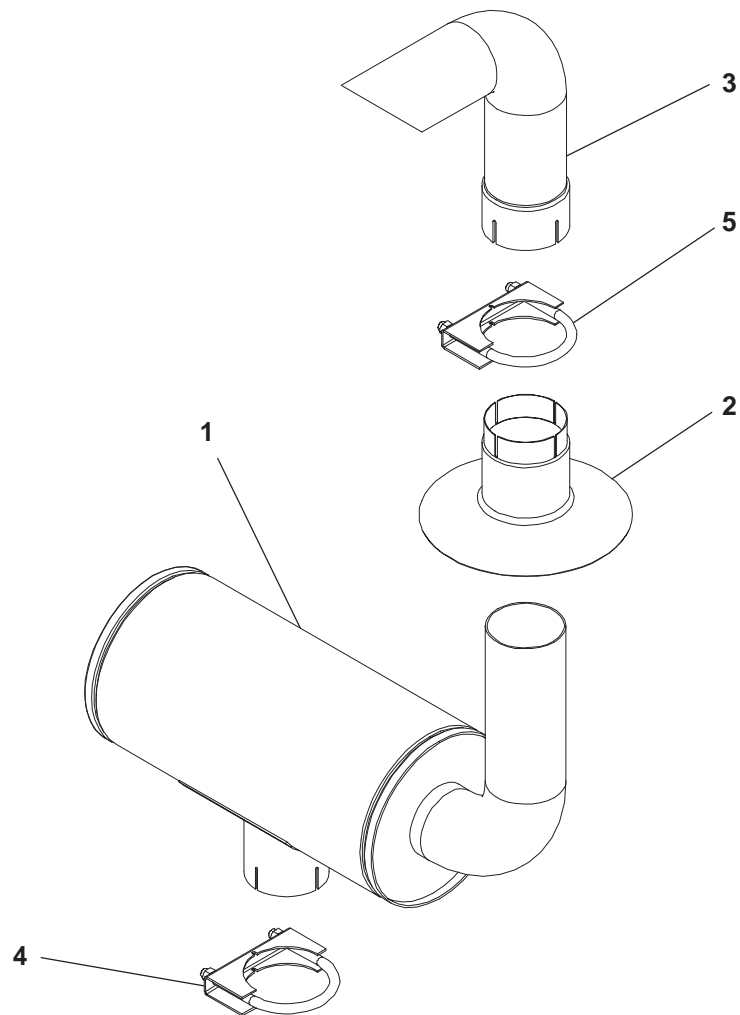
Muffler – Standard
DGBB Spec E, F, DGBC Spec D, E, DGCA and DGCB Spec M, N



F172,173

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-3167	1	Muffler	6	800-2086	4	Screw, Cap – Hex Head (M10 x 25) (DGBB, DGBC)
2	155-3166	1	Pipe, Exhaust	7	821-6003-02	2	Screw, Cap – Hex Head (M8 x 1.25 x 20)
	155-3168	1	DGCA, DGCB	8	155-3102-02	1	Shield, Rain (3")
3	155-2175	1	DGBB, DGBC	9	155-2062-10	1	Cap, Rain (3")
4	155-2175	1	Clamp, Muffler	10	154-2708	1	Gasket, Exhaust (DGBB, DGBC)
			Clamp, V-Band (DGCA, DGCB)	11	155-3219	2	Gasket, Muffler
5	850-2010	4	Washer, Lock – Spring (M10) (DGBB, DGBC)				

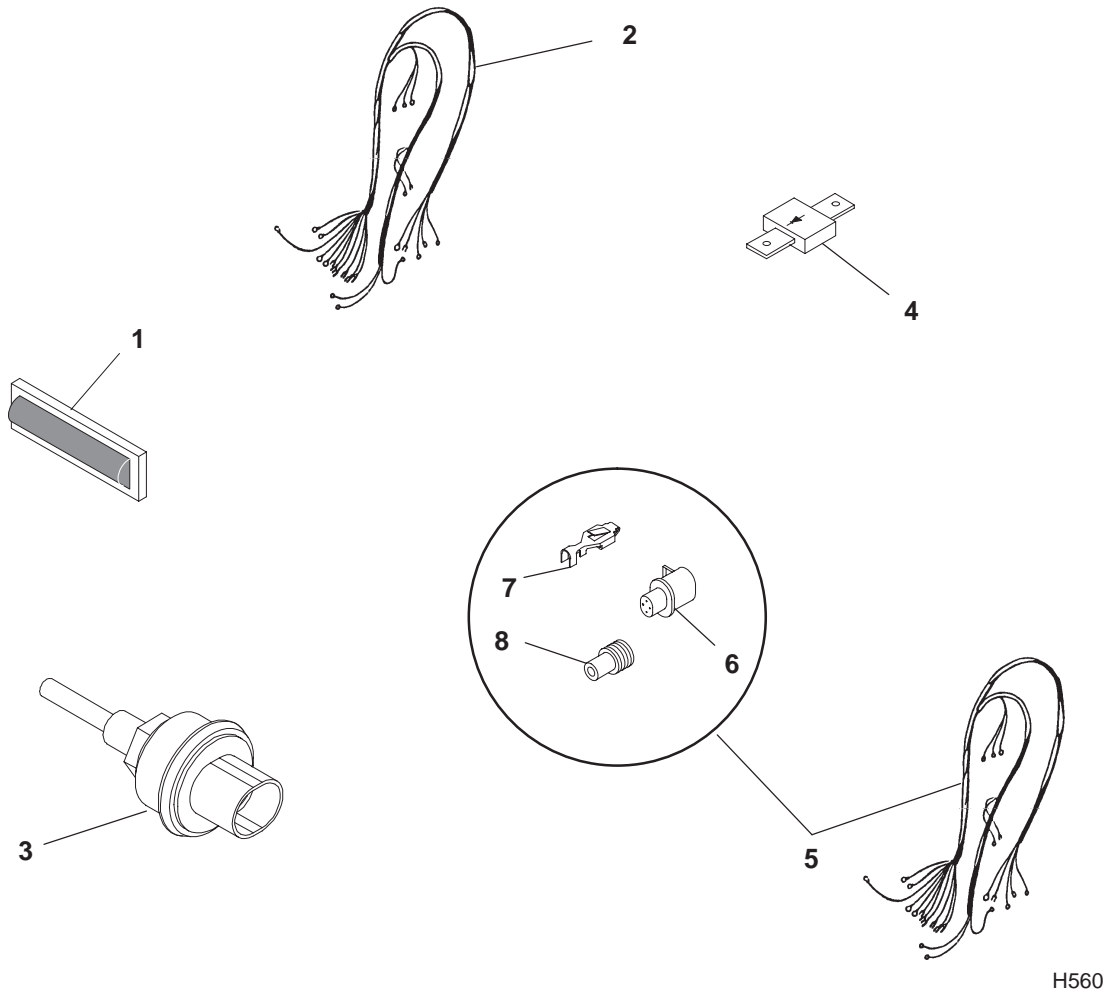
Muffler – Industrial
DGBB Spec E, F, DGBC Spec D, E, DGCA and DGCB Spec M, N



A379

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-3193	1	Muffler	4	155-2175	1	Clamp, Muffler
2	155-3102-02	1	Shield, Rain	5	155-3260	1	Clamp, Muffler
3	155-3115	1	Pipe, Exhaust Outlet				

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

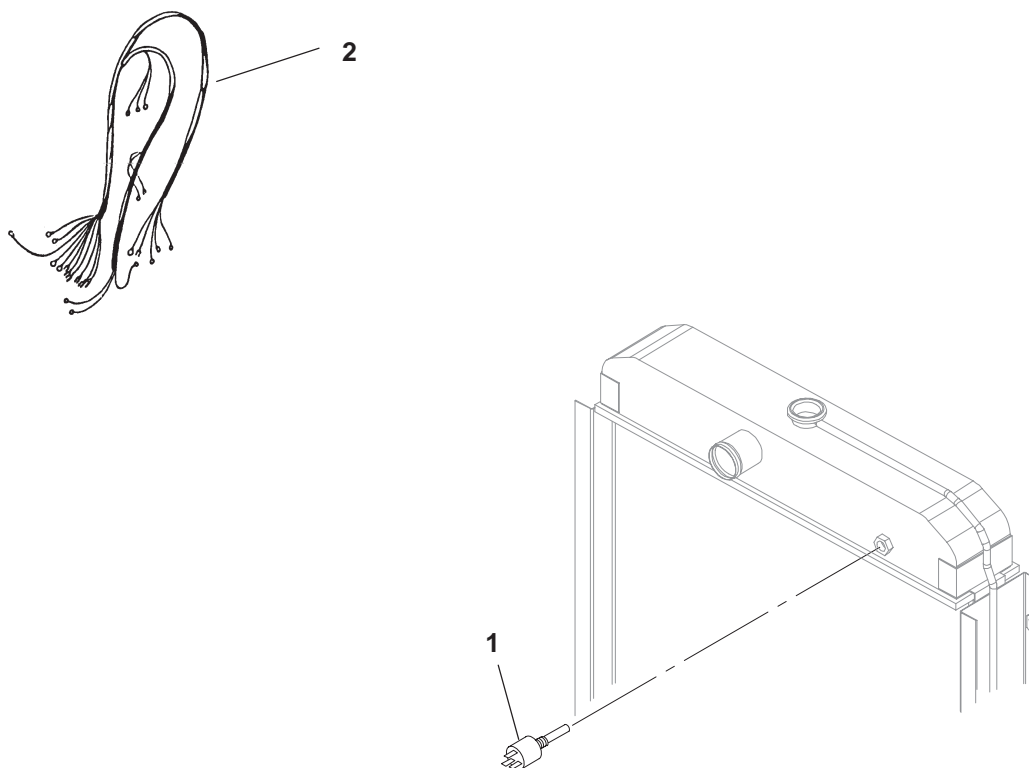


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	322-0431-07	1	Lens, Replacement
2	338-3035-01	1	Harness, Low Coolant Level – LCL Sender to Control
3	193-0468	1	Sender, Low Coolant Level
4	357-0030	1	Rectifier, Silicon
5	338-3594	1	Harness, Pigtail (Includes Parts Marked *)

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

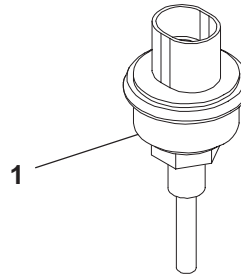
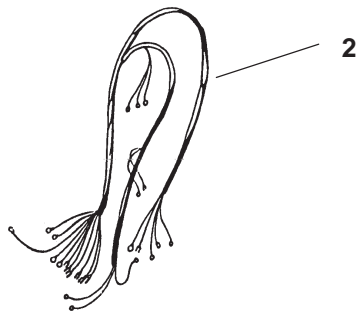
Low Coolant Level Sender
Without Continuously Monitored Low Coolant Level
DGBB Spec D, E, DGBC Spec C, D, DGCA and DGCB Spec L, M



H389,527

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	193-0467	1	Sender, Low Coolant Level	2	338-3442	1	Harness, Low Coolant Level Sender

Low Coolant Level Sender
Without Continuously Monitored Low Coolant Level
DGBB Spec F, DGBC Spec E, DGCA and DGCB Spec N

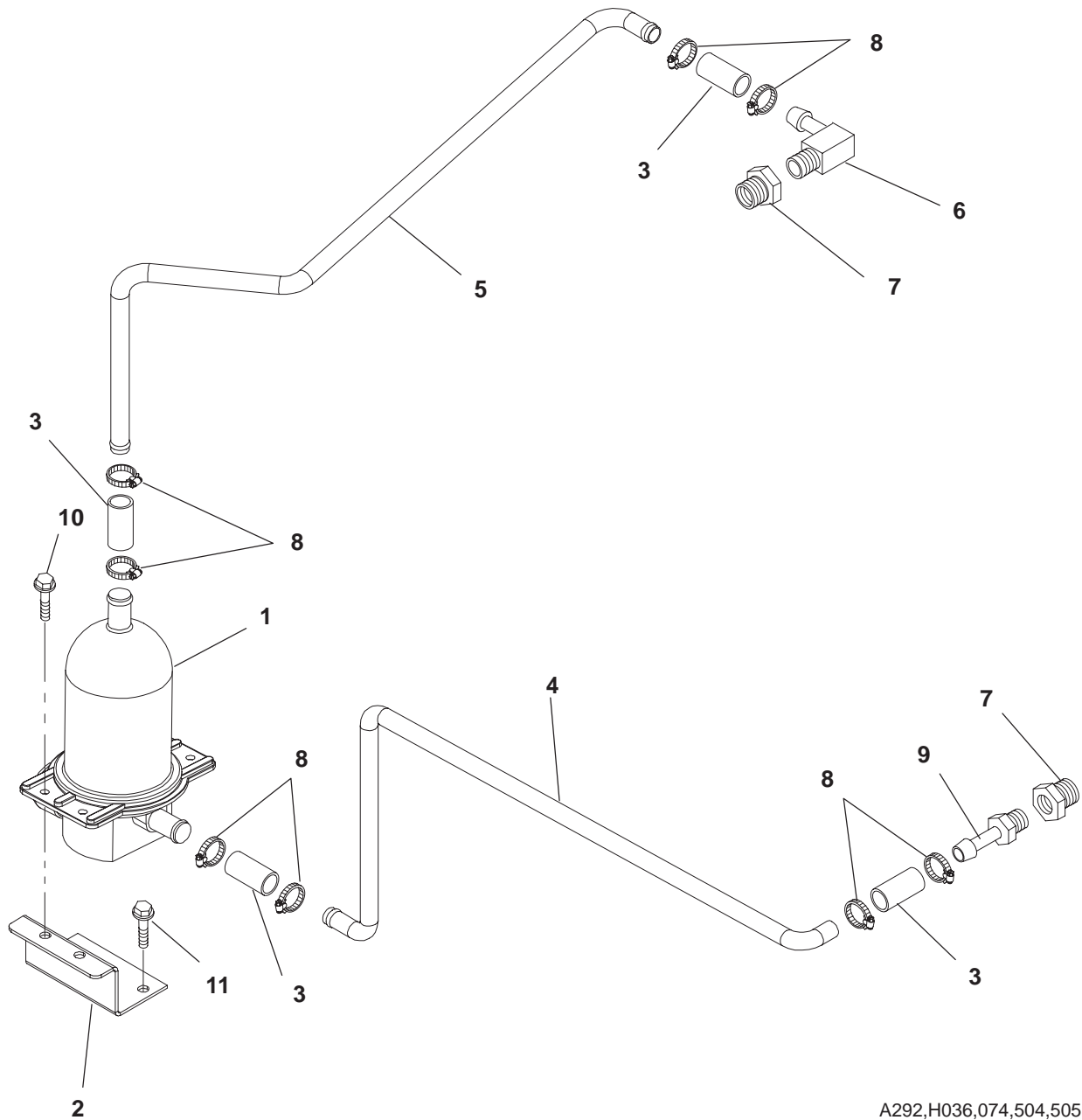


H389,527

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

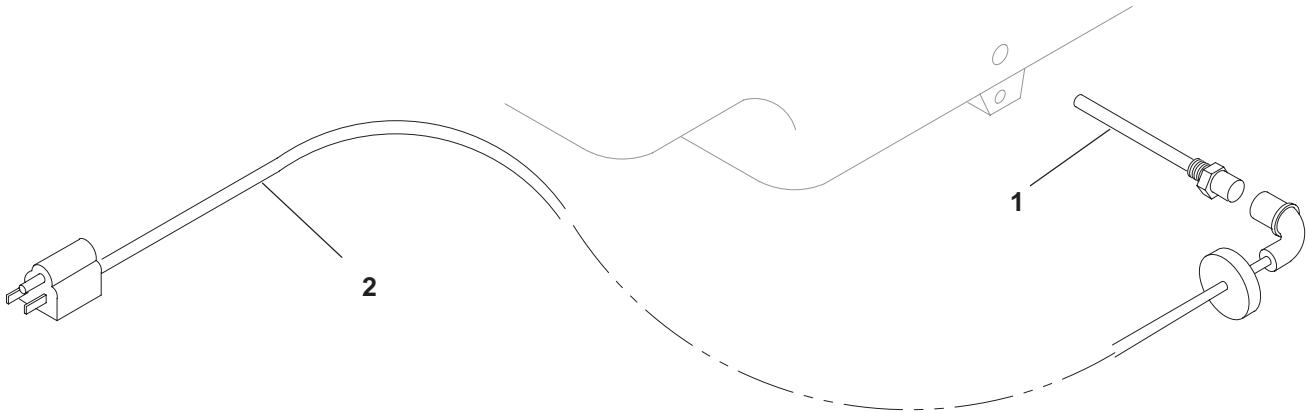
Water Heater



A292,H036,074,504,505

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Heater, Engine Coolant	8	503-0183	8	Clamp, Hose
	333-0588-01	1	120 volt	9	502-0943	1	Connector, Hose (1/2 x 5/8 hose)
	333-0588-02	1	240 volt				
2			Bucket, Heater	10			Screw, Hex Head (M6 x 1 x 16)
	333-0584	1	Basic Skid		821-6002-03	2	Basic Skid
	333-0585	1	Housing Ready Skid		821-6002-03	4	Housing Ready Skid
3	503-1634-02	4	Hose (5/8 x 2-1/2)	11	821-6003-02	2	Screw, Hex Head (M8 x 1-1/4 x 20) - Basic Skid
4	130-4643	1	Tube, Water Heater				
5	130-4644	1	Tube, Water Heater				
6	502-0942	1	Elbow, Hose - 90°				
7	505-0019	2	Bushing, Reducer (3/8 x 1/2)				

Oil Heater

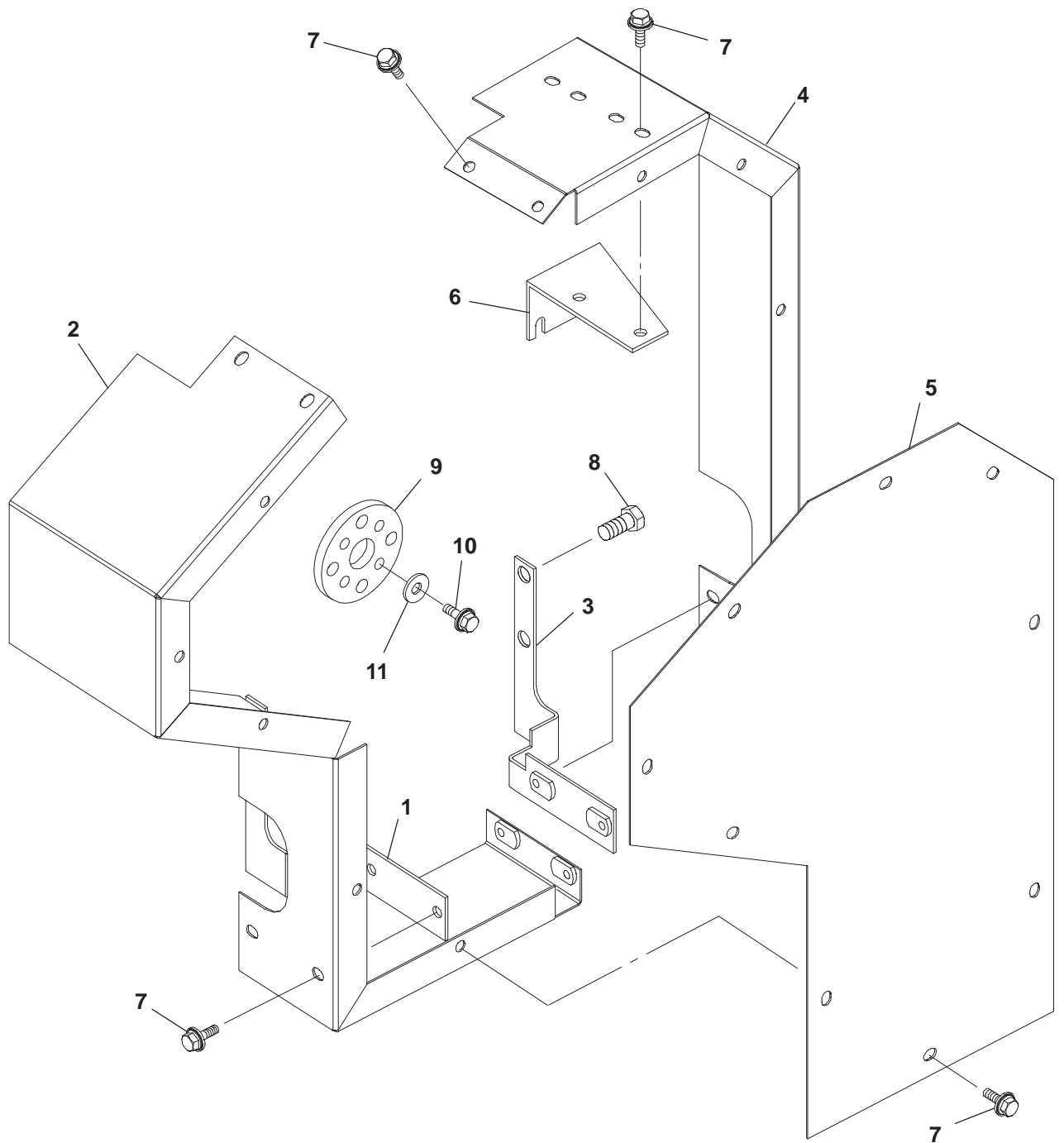


H487,479

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

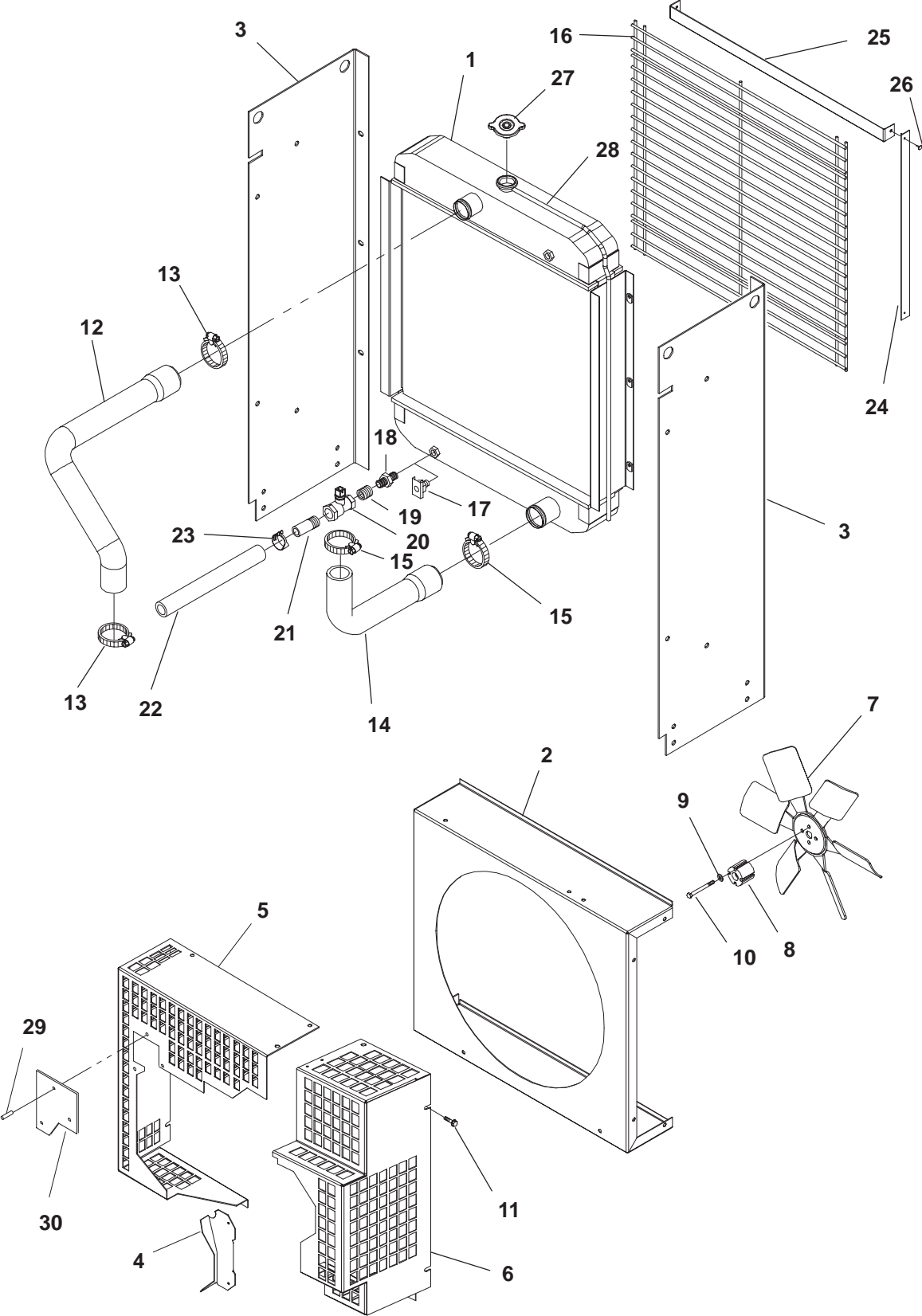
Remote Radiator



E043

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-4637	1	Bracket, Guard – Belt	8	800-2110	4	Screw, Cap – Hex Head (M12 x 20)
2	130-4639	1	Guard, Belt	9	130-3582	1	Plate, Clamping
3	130-4636	1	Bracket, Guard – Belt	10	800-2058	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 20)				

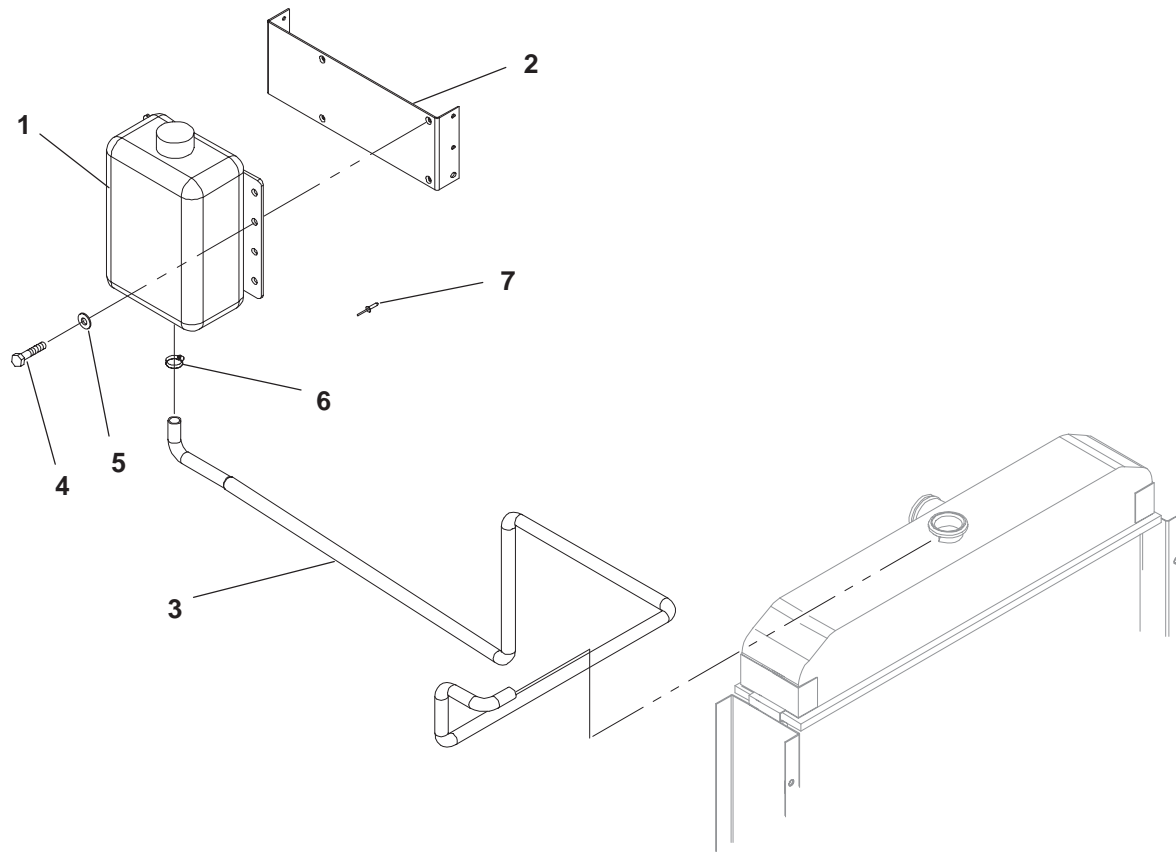
Radiator



Radiator

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-4596-02	1	Radiator	15	503-0465	2	Clamp, Hose
2	130-4757	1	Shroud	16	130-4602	1	Grille (Unhoused sets)
3	130-4759	2	Side, Housing	17	504-0028	1	Cock, Drain (3/8NPT)
4	130-4716	1	Guard, Alternator	18	502-0085	1	Nipple, Pipe
5	130-4600	1	Guard, Fan – Right Side	19	505-0117	1	Bushing, Flush (3/8 x 1/2)
6	130-4756	1	Guard, Fan – Left Side	20	504-0011	1	Valve, Shutoff (1/2)
7	130-3080	1	Fan, Radiator	21	505-0185	1	Nipple, Half
8	130-3082	1	Spacer, Fan	22	503-0098	–	Hose – Bulk (Order By The Foot – 2 Feet Required)
9	526-2100	4	Washer, Flat (M8)	23	503-0197	1	Clamp, Hose
10	800-2068	4	Screw, Cap – Hex Head (M8 x 1.25 x 65)	24	130-4623	2	Adapter, Duct – Side
11	821-6003-02	24	Screw, SEMS – Hex Head (M8 x 1.25 x 20)	25	130-4622	2	Adapter, Duct
12			Hose, Inlet – Radiator	26	818-0231-02	4	Rivet, Pop
	503-2003	1	DGBB Spec D, E, DGBC Spec C, D, DGCA Spec L, M, DGCB Spec L, M	27			Cap, Radiator
					130-1788	1	Without Overflow Bottle
					130-3721-01	1	With Overflow Bottle
	503-2003-01	1	DGBB Spec F, DGBC Spec E, DGCA Spec N, DGCB Spec N	28	503-0276	–	Hose – Bulk (5/16" ID) (Order By The Foot – 4 Feet Required)
13	503-0365	2	Clamp, Hose	29	818-0231-02	3	Rivet
14	503-1929	1	Hose, Outlet – Radiator	30	130-4715	1	Cover, Guard – Fan

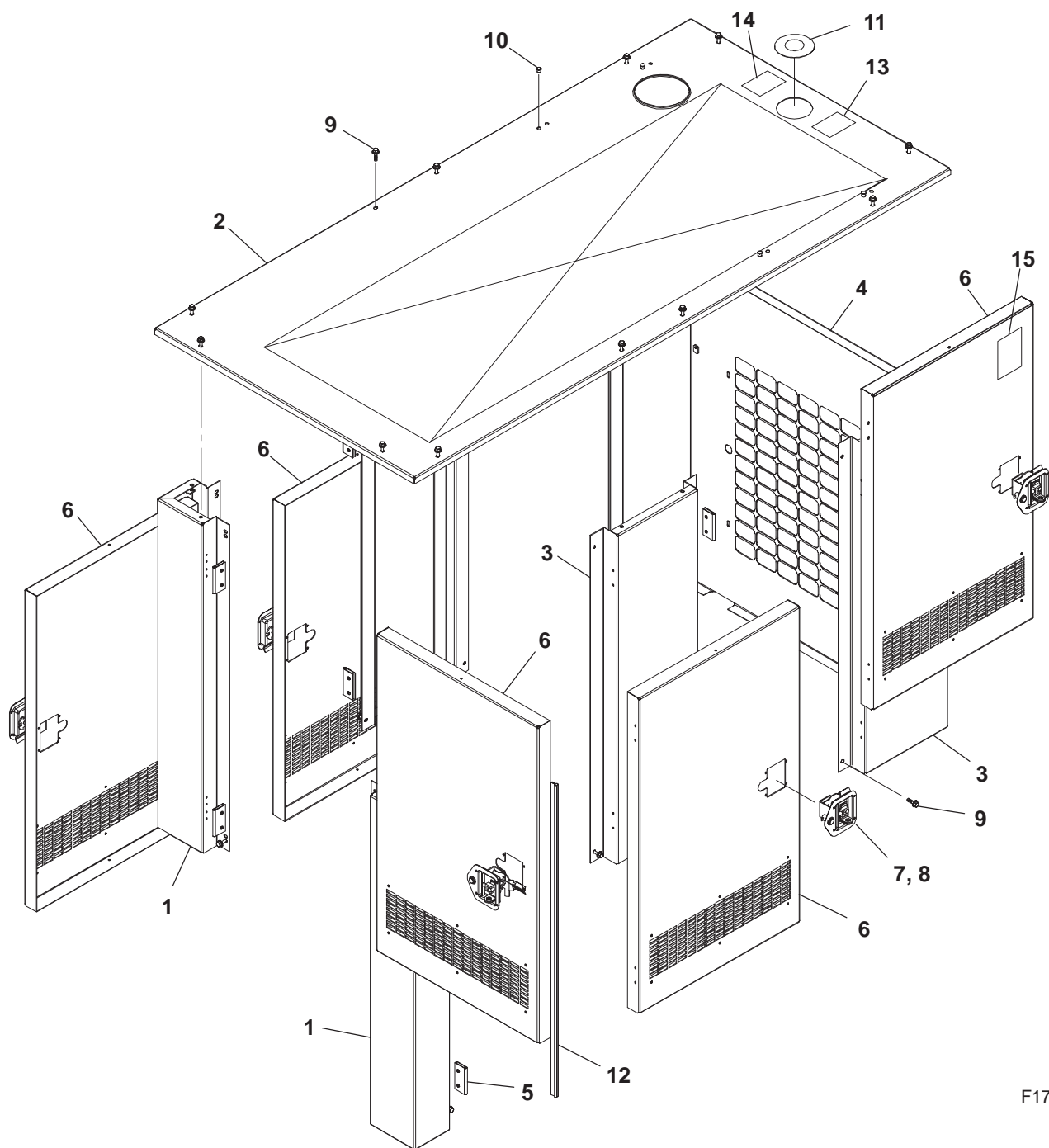
Overflow Bottle **DGBB Spec F, DGBC Spec E, DGCA and DGCB Spec N**



F172,F173

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-3984	1	Bottle, Overflow	4	821-6002-03	4	Screw, Hex Head (M6 x 1 x 16)
2	130-4878	1	Bracket, Bottle	5	526-0399-13	4	Washer, Flat
3	503-0276	—	Hose, Overflow – Bulk (5/16" ID) (Order By The Foot – 10 Feet Required)	6	503-0685	1	Clamp, Hose
				7	818-0231-02	4	Rivet, Pop

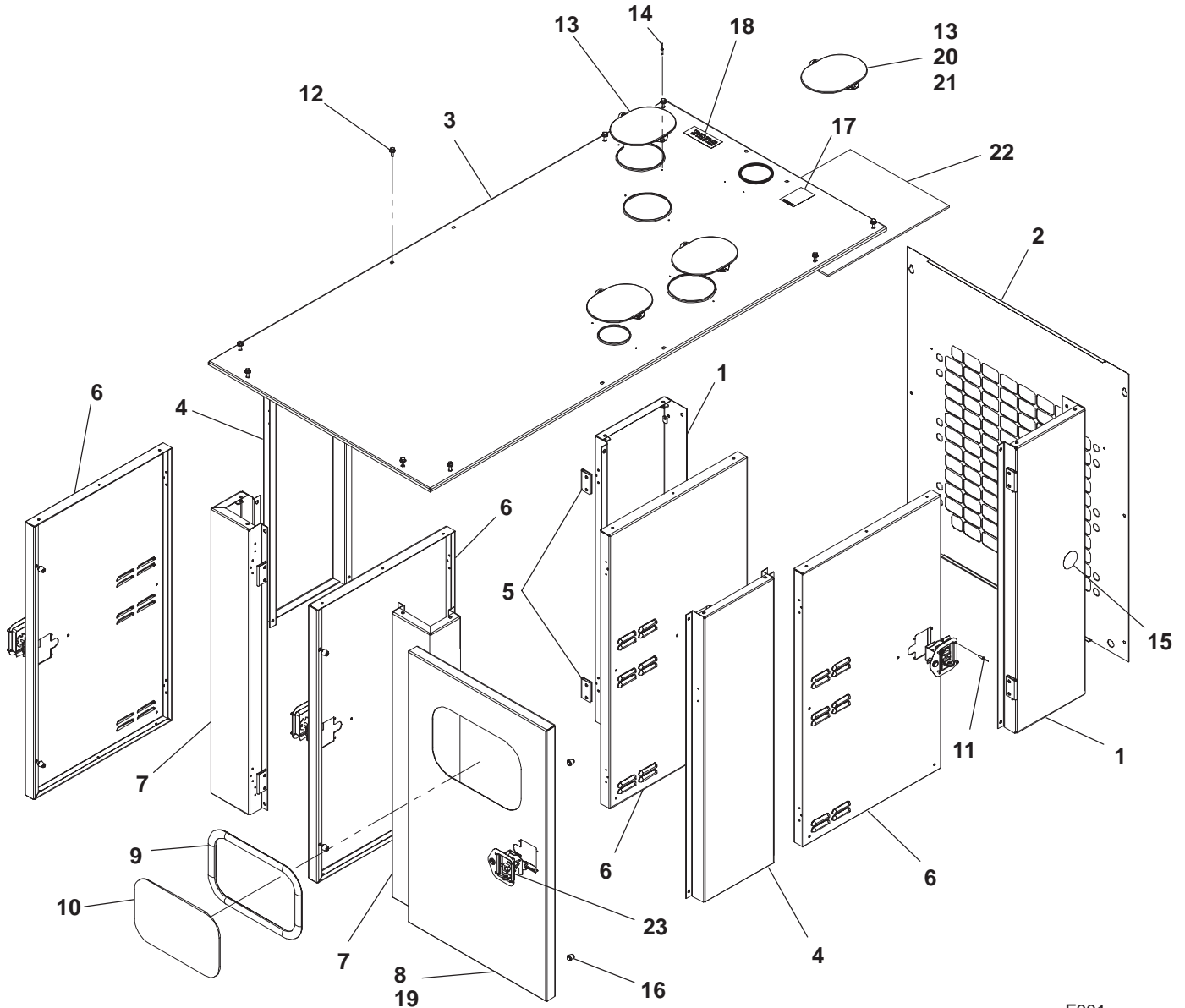
Housing
Standard Weather Protective
DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L



F171

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-5682	2	Post, Corner – Housing	9	821-6003-02	21	Screw, Hex Head (M8 x 20)
2	405-5679	1	Roof, Housing	10	517-0132	4	Plug, Hole
3	405-5684	2	Post, Center – Housing	11	517-0245	1	Plug, Hole
4	405-5685	1	Housing, Radiator	12	508-1011	–	Seal, Edge – Bulk (Order By The Foot – 17 Feet Required)
5	406-0831	10	Hinge, Housing	13	098-4730	1	Label, Warning
6	405-5735	5	Door, Housing	14	098-5429	1	Label, Coolant Fill
7	406-0835	5	Latch, Door	15	098-4732	2	Label, Warning
	406-0782	5	Key, Replacement (Fits Latch 406-0835)				
8	818-0231-02	40	Rivet, Pop				

**Housing
Standard Weather Protective
DGBB Spec E, F, DGBC Spec D, E, DGCA and DGCB Spec M, N**



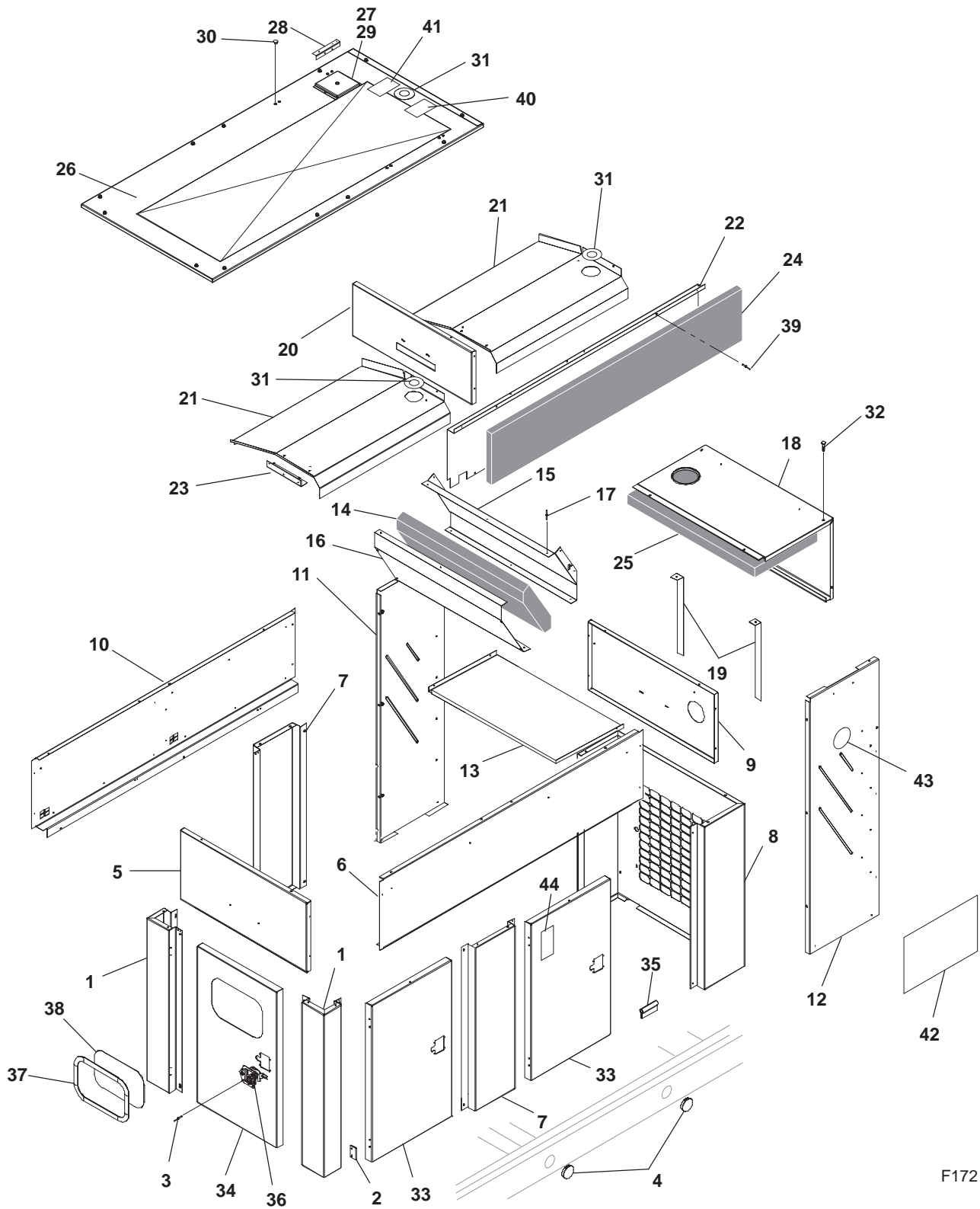
F001

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-5908	2	Panel, Side – Radiator Housing	12	821-6003-02	18	Screw, Hex Head (M8 x 20)
2	405-5910	1	Panel, Front – Radiator Housing	13	155-3238	4	Cover, Exhaust
3	405-6018	1	Roof	14	818-0237-01	6	Rivet, Pop
4	405-5745	2	Post, Center – Housing	15	098-4500	2	Label, Prototype
5	406-0831	10	Hinge, Housing	16	895-0382	10	Bumper, Door
6	405-5832	4	Door, Housing	17	098-4730	1	Label, Warning
7	405-5916	2	Post, Corner – Housing	18	098-5429	1	Label, Coolant Fill
8	405-5903	1	Door, Housing – Sets With Window	19	405-5902	1	Door, Housing – Sets Without Window
9	895-0363	–	Weather Strip – Window – Bulk (Order By The Foot – 5 Feet Required)	20	870-0504	2	Nut, Captive Floating (M6 x 1.0)
10	319-2653	1	Control, Window (If Equipped)	21	821-6002-03	2	Screw, Hex Head (M6 x 16)
11	818-0231-02	60	Rivet, Pop	22	128-0154-02	1	Insulation, Foam
				23	406-0835	5	Latch, Door
					406-0782	5	Key, Replacement (Fits Latch 406-0835)

Housing

Quiet Site First Stage

DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L

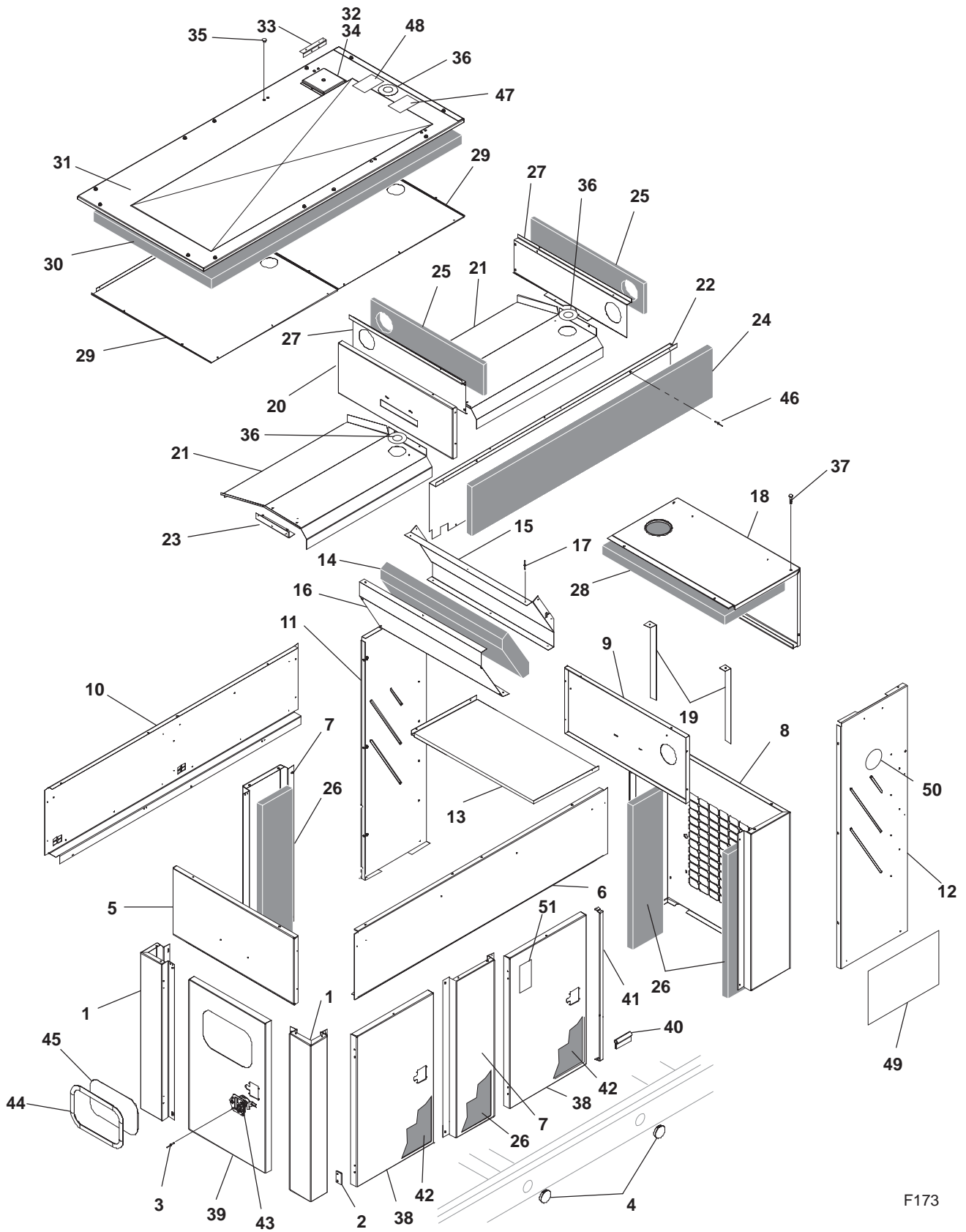


F172

Housing
Quiet Site First Stage
DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-5682	2	Post, Corner – Housing	28	405-5319	1	Support, Muffler
2	406-0831	10	Hinge, Housing	29	870-2193-04	1	Nut, Hex (M8)
3	818-0231-02	103	Rivet, Pop	30	517-0132	8	Plug, Hole (.375" Hole)
4	517-0322	4	Plug, Hole	31	517-0245	3	Plug, Hole
5	405-5706	1	Roof, Extension (Rear)	32	821-6003-02	39	Screw, Hex Head (M8 x 20)
6	405-5704	1	Roof, Extension (Left Side)	33			Door, Housing
7	405-5684	2	Post, Center – Housing		405-5687	4	Sets With Window
8	405-5685	1	Radiator, Housing		405-5687	5	Sets Without Window
9	405-5707	1	Roof, Extension (Front)	34	405-5689	1	Door, Housing – Sets With Window
10	405-5705	1	Roof, Extension (Right Side)	35	508-1011	–	Seal, Edge – Bulk (Order By The Foot – 56 Feet Required)
11	405-5625	1	Panel, Housing (Right Side)				
12	405-5627	1	Panel, Housing (Left Side)				
13	405-5628	1	Panel, Housing (Bottom)	36	406-0835	5	Latch
14	405-5722	4	Insulation, Baffle		406-0782	5	Key, Replacement (fits Latch 406-0835)
15	405-5720	4	Baffle, Air (Top)	37	895-0363	–	Weather Strip – Window – Bulk (Order By The Foot – 5 Feet Required)
16	405-5721	4	Baffle, Air (Bottom)				
17	818-0237-01	24	Rivet, Pop	38	319-2653	1	Window, Control (If Equipped)
18	405-5630	1	Panel, Housing (Top)	39	818-0237-01	30	Rivet, Pop
19	405-5428	2	Retainer, Insulation	40	098-4730	1	Label, Caution
20	405-5709	1	Baffle	41	098-5429	1	Label, Danger
21	405-5710	2	Baffle	42	098-7102-02	2	Silkscreen, Model
22	405-5423	1	Retainer, Insulation	43	098-4500	2	Label, Prototype
23	405-5426	1	Support, Baffle	44	098-4732	2	Label, Warning
24	405-5733	1	Insulation, Inlet				
25	405-5638	1	Insulation, Roof				
26	405-5679	1	Roof				
27	405-5438	1	Cover, Exhaust Outlet				

Housing Quiet Site Second Stage DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L



F173

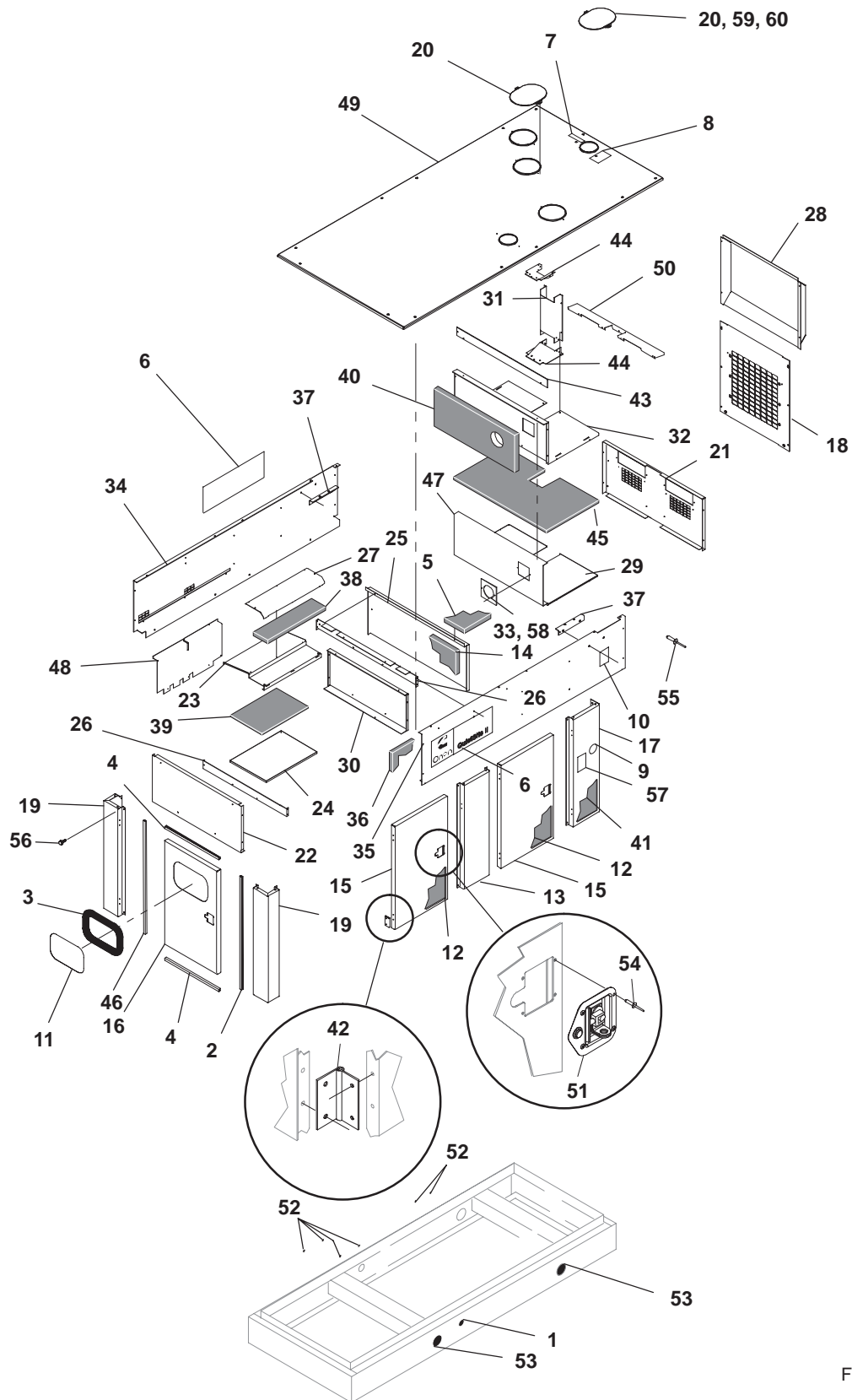
Housing
Quiet Site Second Stage
DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-5682	2	Post, Corner – Housing	32	405-5438	1	Cover, Exhaust Outlet
2	406-0831	10	Hinge, Housing	33	405-5319	1	Support, Muffler
3	818-0231-02	111	Rivet, Pop	34	870-2193-04	1	Nut, Hex (M8)
4	517-0322	4	Plug, Hole	35	517-0132	8	Plug, Hole (.375" Hole)
5	405-5706	1	Roof, Extension (Rear)	36	517-0245	3	Plug, Hole
6	405-5704	1	Roof, Extension (Left Side)	37	821-6003-02	39	Screw, Hex Head (M8 x 20)
7	405-5684	2	Post, Center – Housing	38			Door, Housing
8	405-5685	1	Radiator, Housing		405-5687	4	Sets With Window
9	405-5707	1	Roof, Extension (Front)		405-5687	5	Sets Without Window
10	405-5705	1	Roof, Extension (Right Side)	39	405-5689	1	Door, Housing – Sets With Window
11	405-5625	1	Panel, Housing (Right Side)				
12	405-5627	1	Panel, Housing (Left Side)	40	508-1011	–	Seal, Edge – Bulk (Order By The Foot – 56 Feet Required)
13	405-5628	1	Panel, Housing (Bottom)				
14	405-5722	4	Insulation, Baffle	41	405-5637	4	Insulation, Support Door
15	405-5720	4	Baffle, Air (Top)	42	405-5734	4	Insulation, Door
16	405-5721	4	Baffle, Air (Bottom)	43	406-0835	5	Latch
17	818-0237-01	24	Rivet, Pop		406-0782	5	Key, Replacement (fits Latch 406-0835)
18	405-5630	1	Panel, Housing (Top)				
19	405-5428	2	Retainer, Insulation	44	895-0363	–	Weather Strip – Window – Bulk (Order By The Foot – 5 Feet Required)
20	405-5709	1	Baffle				
21	405-5710	2	Baffle				
22	405-5423	1	Retainer, Insulation	45	319-2653	1	Window, Control (If Equipped)
23	405-5426	1	Support, Baffle				
24	405-5733	1	Insulation, Inlet	46	818-0237-01	46	River, Pop
25	405-5731	2	Insulation, Panel	47	098-4730	1	Label, Caution
26	405-5760	4	Insulation, Post	48	098-5429	1	Label, Danger
27	405-5424	2	Retainer, Insulation	49	098-7102-02	2	Silkscreen, Model
28	405-5638	1	Insulation, Roof	50	098-4500	2	Label, Prototype
29	405-5427	2	Retainer, Insulation	51	098-4732	2	Label, Warning
30	405-5732	1	Insulation, Roof				
31	405-5679	1	Roof				

Housing

Quiet Site First Stage

DGBB Spec E, F, DGBC Spec D, E, DGCA and DGCB Spec M, N



F172

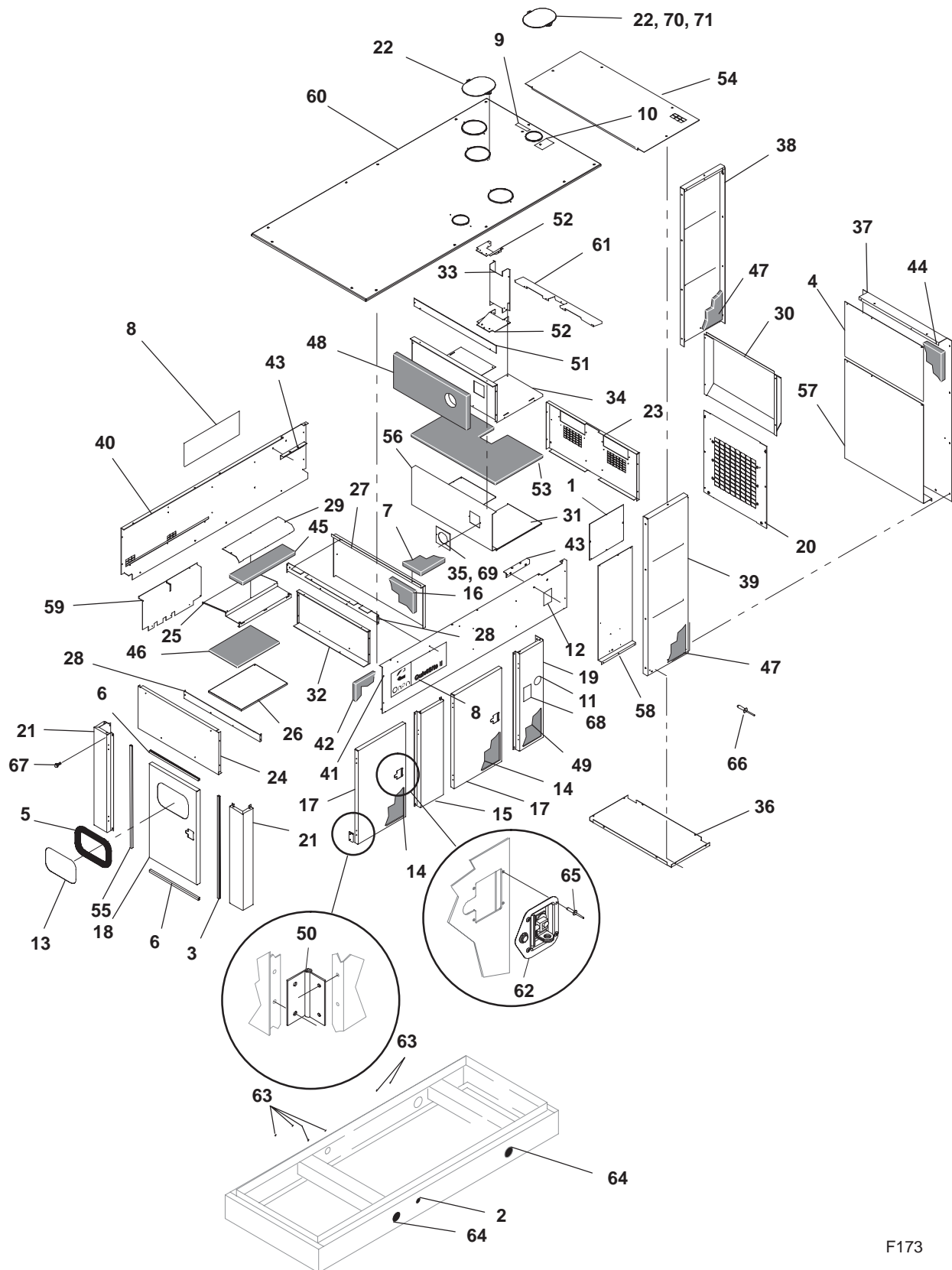
Housing
Quiet Site First Stage
DGBB Spec E, F, DGBC Spec D, E, DGCA and DGCB Spec M, N

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	098-7470	2	Label, Model	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	405-6109	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	406-0835	5	Latch, Door
21	405-5952	1	Extension, Front		406-0782	5	Key, Replacement (fits Latch 406-0835)
22	405-5953	1	Extension, Rear	52	517-0131	6	Plug, Hole
23	405-5954	1	Baffle, Air	53	517-0322	4	Plug, Hole
24	405-5955	1	Retainer, Insulation	54	818-0231-02	105	Rivet (3/16")
25	405-5956	1	Support, Center	55	818-0237-01	32	Rivet (1/8")
26	405-5957	2	Angle, Support	56	821-6003-02	47	Screw (M8 x 20)
27	405-5958	1	Retainer, Insulation	57	098-4732	2	Label, Warning
28	405-6035	1	Baffle, Air – Discharge	58	526-0011	2	Washer, Flat (.203)
29	405-5960	1	Retainer, Insulation	59	870-0504	2	Nut, Captive Floating (M6 x 1.0)
				60	821-6002-03	2	Screw, Hex Head (M6 x 16)

Housing

Quiet Site Second Stage

DGBB Spec E, F, DGBC Spec D, E, DGCA and DGCB Spec M, N

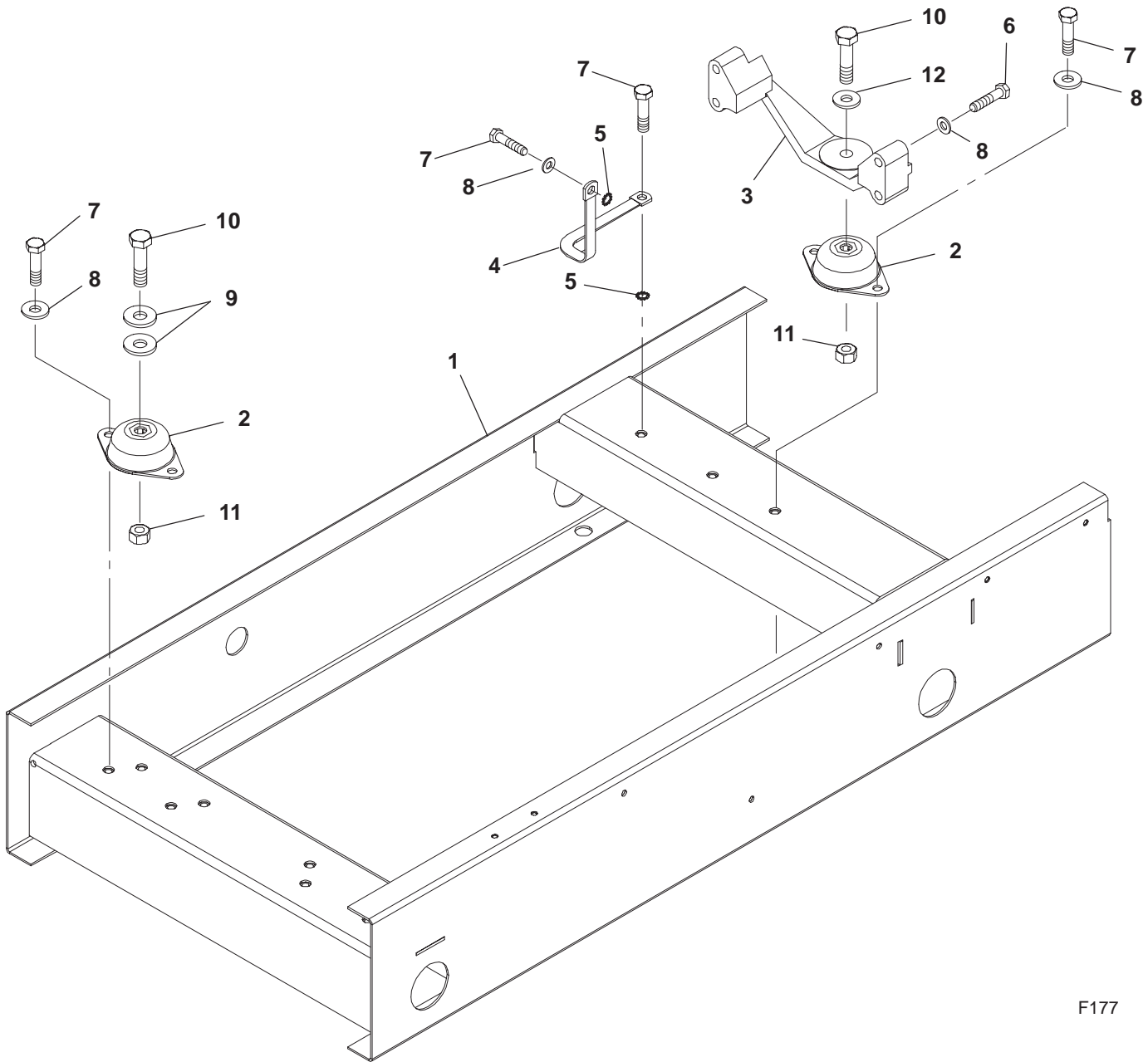


F173

Housing
Quiet Site Second Stage
DGBB Spec E, F, DGBC Spec D, E, DGCA and DGCB Spec M, N

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	11	Weather Seal – Top & Bottom	41	405-5995	1	Extension, Side – LH
7	405-6001-01	1	Fiberglass	42	405-5997	1	Fiberglass
8	098-7470	2	Label, Model	43	405-5998	2	Support, Muffler
9	098-5429	1	Label, Coolant Fill	44	405-6000-07	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	405-6109	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	406-0835	5	Latch, Door
26	405-5955	1	Retainer, Insulation		406-0782	5	Key, Replacement (fits Latch 406-0835)
27	405-5956	1	Support, Center	63	517-0131	6	Plug, Hole
28	405-5957	2	Angle, Support	64	517-0322	4	Plug, Hole
29	405-5958	1	Retainer, Insulation	65	818-0231-02	105	Rivet (3/16")
30	405-6035	1	Baffle, Air Discharge	66	818-0237-01	66	Rivet (1/8")
31	405-5960	1	Retainer, Insulation	67	821-6003-02	63	Screw (M8 x 20)
32	405-5961	2	Retainer, Insulation	68	098-4732	2	Label, Warning
33	405-6030	1	Tube, Fill – Radiator	69	526-0011	2	Washer, Flat (.203)
34	405-5966	1	Box, Muffler	70	870-0504	2	Nut, Captive Floating (M6 x 1.0)
35	405-5987	1	Cover, Exhaust Inlet	71	821-6002-03	2	Screw, Hex Head (M6 x 16)

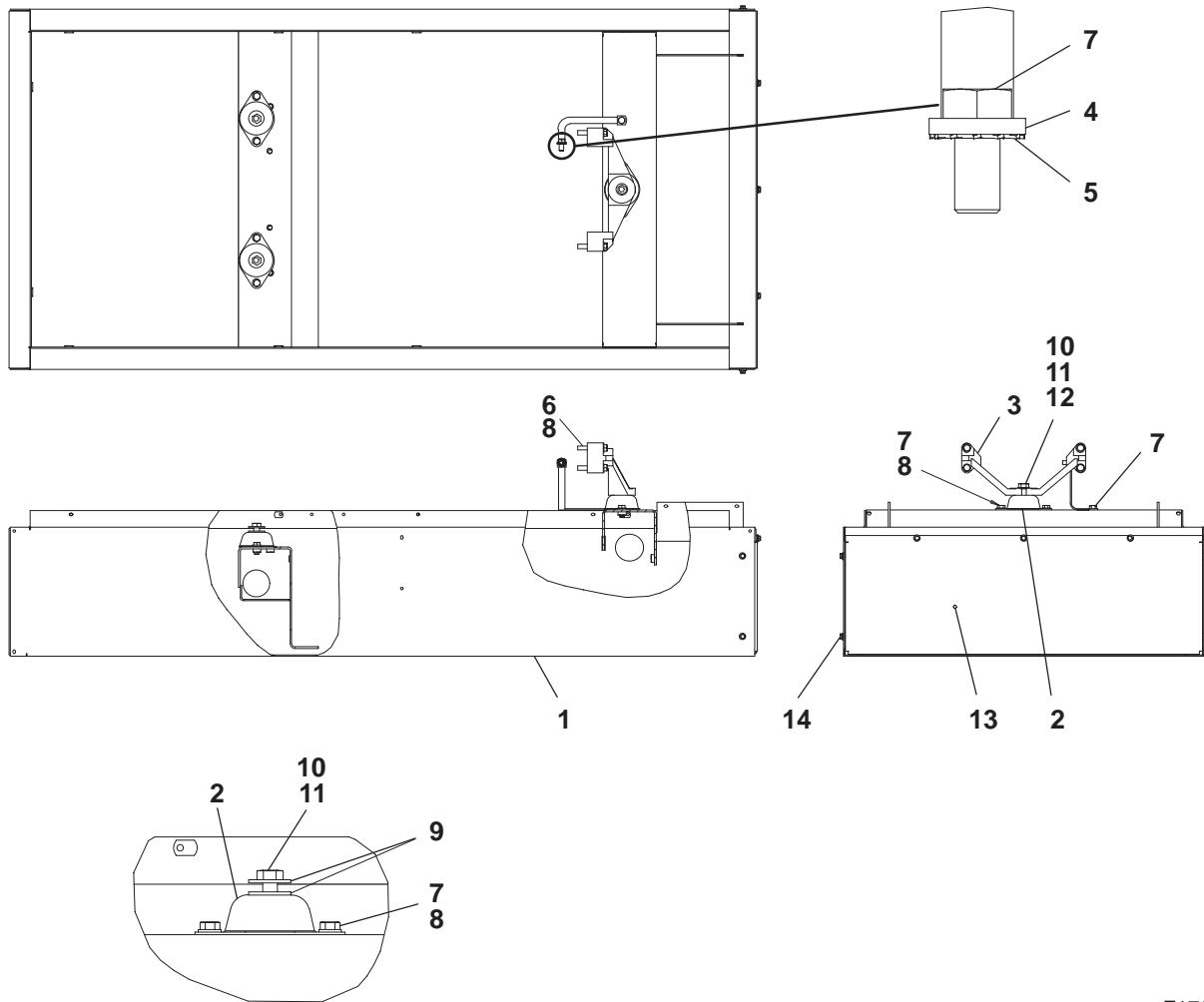
Skid – Basic
DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L



F177

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	403-4222	1	Skid	7	800-2543-02	8	Screw, Cap – Hex Head (M12 x 1.75 x 25)
2	402-0706	3	Cushion, Mounting – Vibration Isolation	8	526-0433	12	Washer, Hardened (M12)
3	403-2567-01	1	Support, Engine	9	526-0434	8	Washer, Hardened (5/8)
4	337-0090	1	Strap, Electrical	10	800-0599-05	3	Screw, Cap – Hex Head (Grade 8) (5/8)
5	856-0013	2	Washer, Lock – ET (M12)	11	870-0547	3	Nut, Hex – Heavy (5/8)
6	800-2121	4	Screw, Cap – Hex Head (M12 x 1.75 x 75)	12	526-0259-02	1	Washer, Flat (5/8)

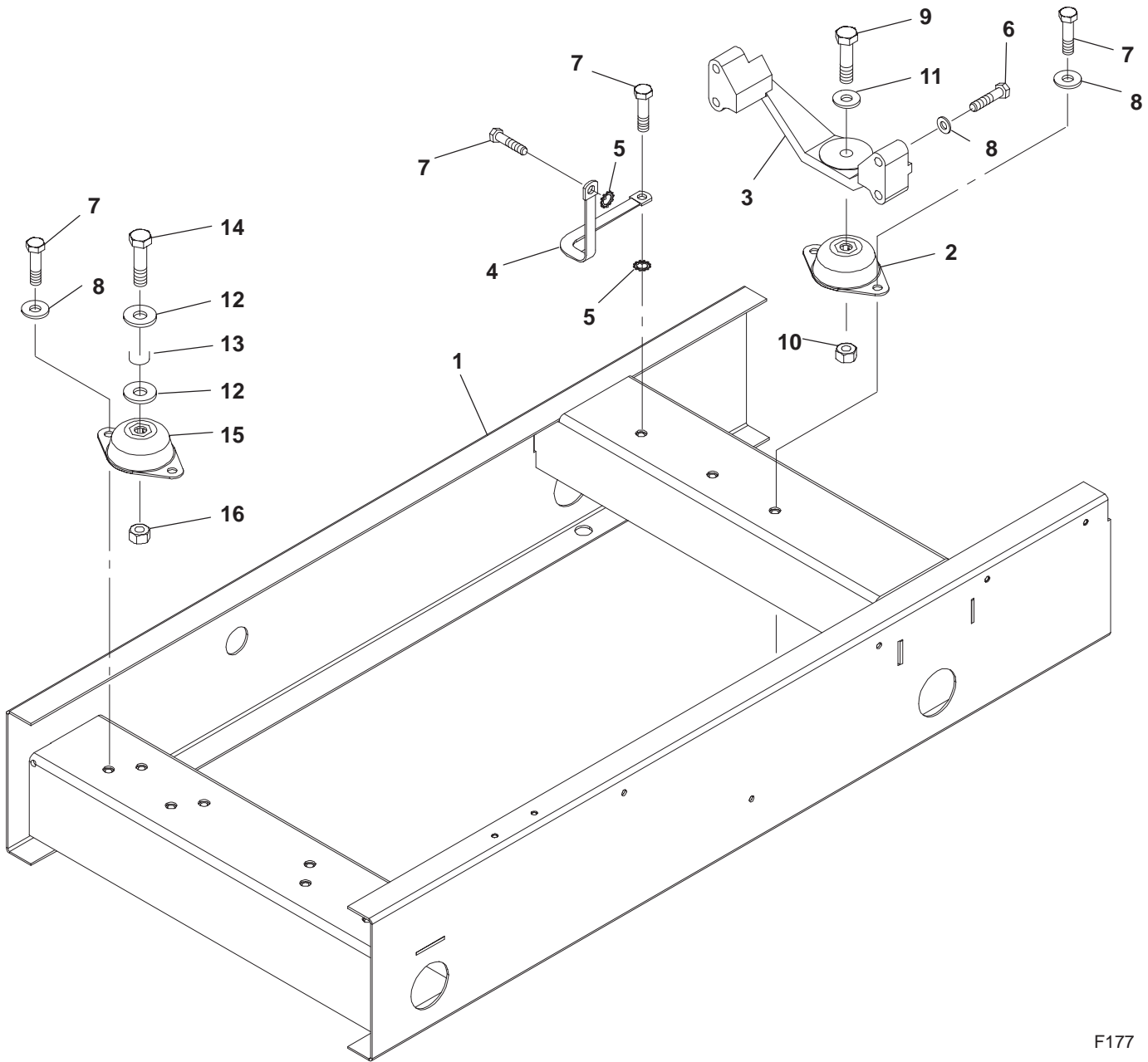
**Skid – Housing Ready/Fuel Tank Ready
DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L**



F176,179

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Skid	8	526-0433	10	Washer, Hardened (M12)
	403-4035	1	Housing Ready	9	526-0434	4	Washer, Hardened (5/8")
	403-4134	1	Fuel Tank Ready	10	800-0599-05	3	Screw, Cap – Hex Head (5/8-11 x 2.00)
2	402-0706	3	Cushion, Mounting – Vibration Isolation	11	870-0547	3	Nut, Hex – Heavy (5/8") (Housing Ready)
3	403-2567-01	1	Support, Engine	12	526-0259-02	1	Washer, Flat (11/16")
4	337-0090	1	Strap, Electrical	13	403-4156	1	Skid, End (Front) (Fuel Tank Ready)
5			Washer, Lock – EIT (1/2")	14	821-6003-02	7	Screw, Hex Head (M8 x 20) (Fuel Tank Ready)
	856-0013	1	Fuel Tank Ready				
	856-0013	2	Housing Ready				
6	800-2121	4	Screw, Cap – Hex Head (M12 x 1.75 x 75)				
7	800-2543-02	8	Screw, Cap – Hex Head (M12 x 1.75 x 25)				

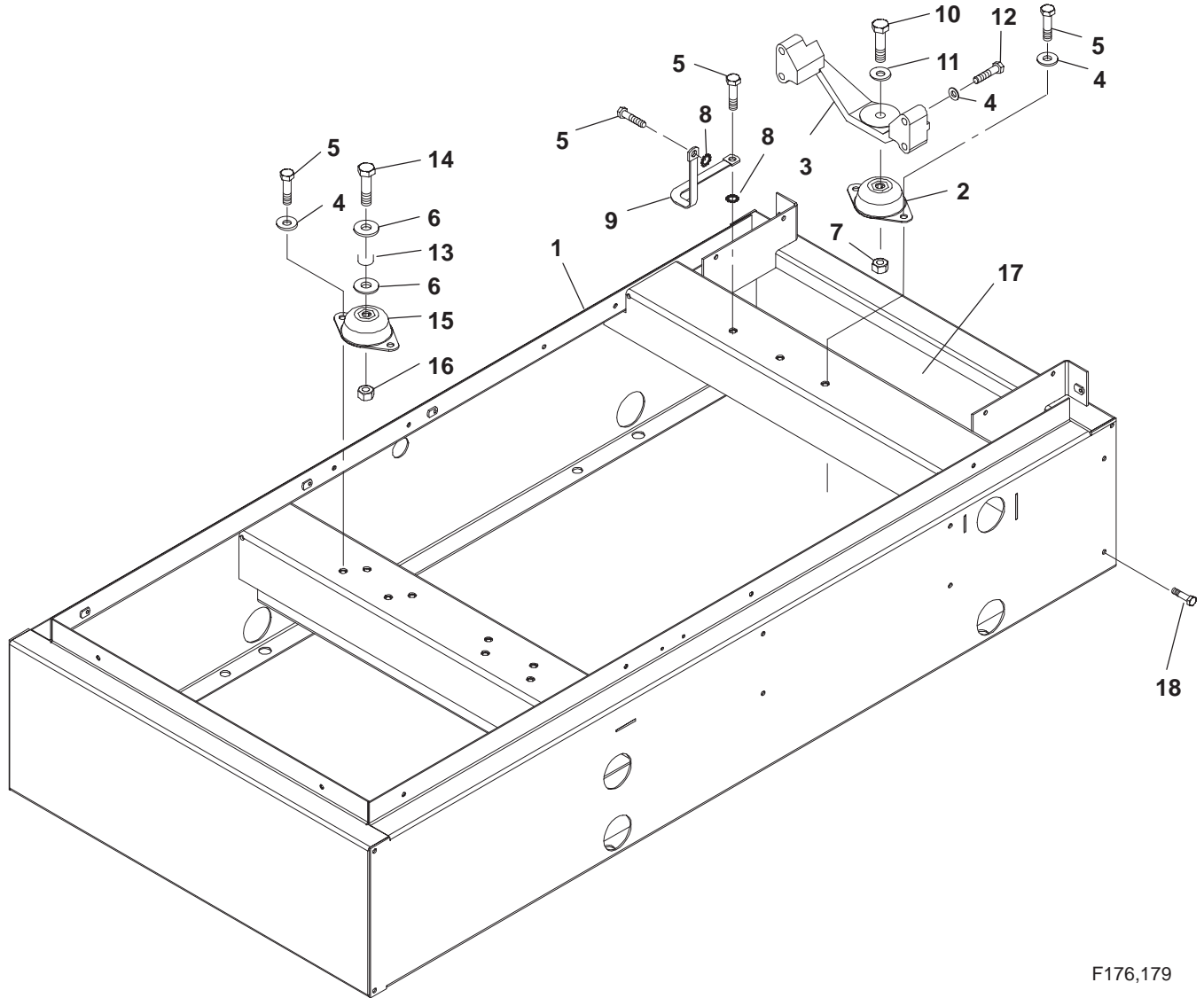
Skid – Basic
DGBB Spec E, F, DGBC Spec D, E, DGCA and DGCB Spec M, N



F177

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	403-4222	1	Skid	9	800-0599-05	1	Screw, Cap – Hex Head (Grade 8) (5/8)
2	402-0706	1	Cushion, Mounting – Vibration Isolation	10	870-0547	1	Nut, Hex – Heavy (5/8)
3	403-2567-01	1	Support, Engine	11	526-0259-02	1	Washer, Flat (11/16")
4	337-0090	1	Strap, Electrical	12	526-0238-01	4	Washer, Flat (5/8")
5	856-0013	2	Washer, Lock – ET (1/2")	13	517-0094	2	Plug, Plastic
6	800-2121	4	Screw, Cap – Hex Head (M12 x 1.75 x 75)	14	800-0607	2	Screw, Cap – Hex Head (Grade 8) (3/4-10 x 2)
7	800-2543-02	8	Screw, Cap – Hex Head (M12 x 1.75 x 25)	15	402-0730	2	Cushion, Mounting – Vibration Isolation
8	526-0433	10	Washer, Hardened (M12)	16	862-0044	2	Nut, Hex (3/4-10)

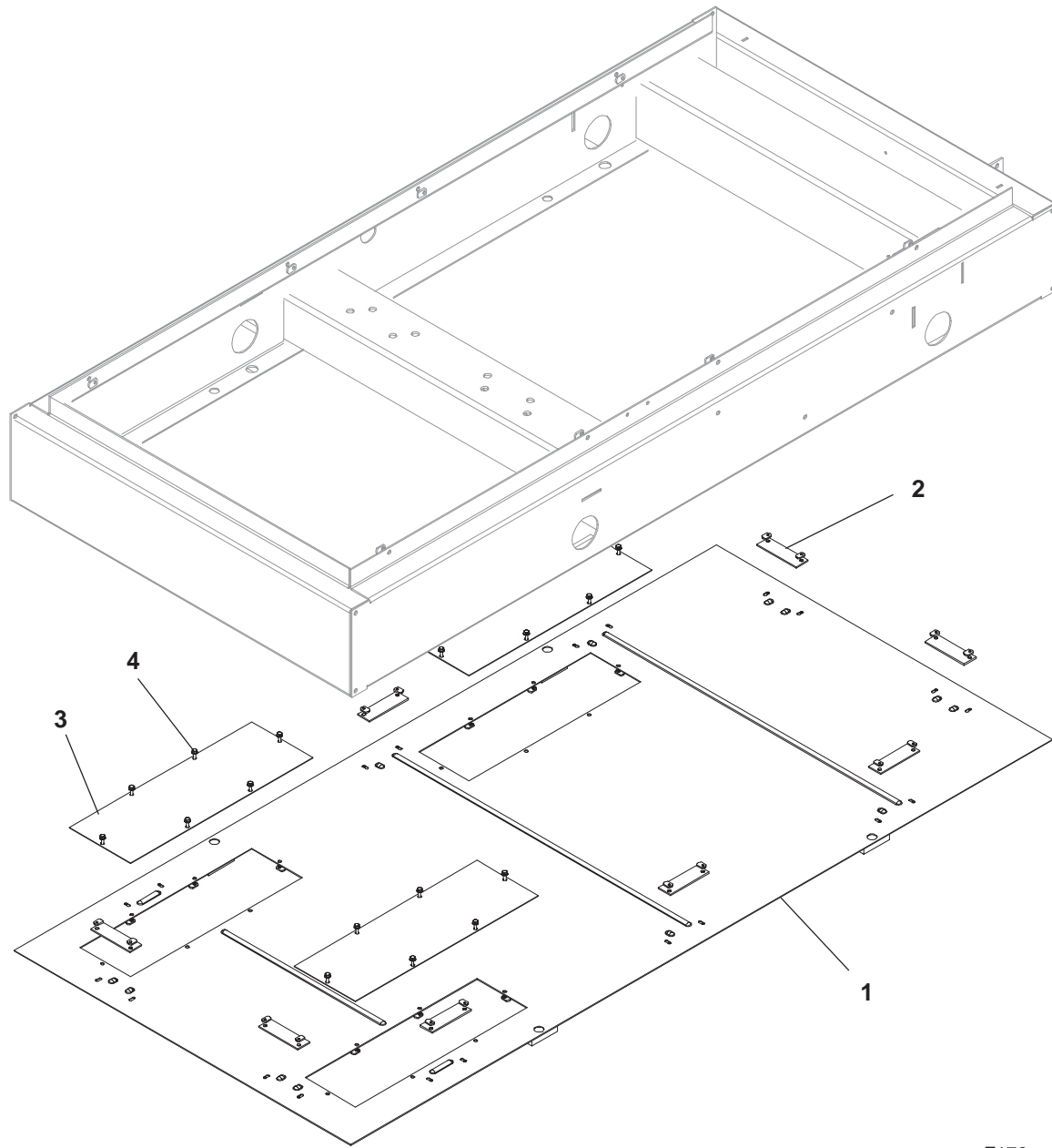
**Skid – Housing Ready/Fuel Tank Ready
DGBB Spec E, F, DGBC Spec D, E, DGCA and DGCB Spec M, N**



F176,179

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Skid	10	800-0599-05	1	Screw, Cap – Hex Head (Grade 8) (5/8)
	403-4223-01	1	Housing Ready	11	526-0259-02	1	Washer, Flat (11/16")
	403-4231	1	Tank Ready	12	800-2121	4	Screw, Cap – Hex Head (M12 x 1.75 x 75)
2	402-0706	1	Cushion, Mounting – Vibration Isolation	13	517-0094	2	Plug, Plastic
3	403-2567-01	1	Support, Engine	14	800-0607	2	Screw, Cap – Hex Head (Grade 8) (3/4-10 x 2)
4	526-0433	10	Washer, Hardened (M12)	15	402-0730	2	Cushion, Mounting – Vibration Isolation
5	800-2543-02	8	Screw, Cap – Hex Head (M12 x 1.75 x 25)	16	862-0044	2	Nut, Hex (3/4-10)
6	526-0238-01	4	Washer, Flat (5/8")	17	403-4156	1	Skid, End (Tank Ready)
7	870-0547	1	Nut, Hex – Heavy (5/8)	18	821-6003-02	7	Screw, Hex Head (M8 x 20) (Tank Ready)
8			Washer, Lock – ET (1/2")				
	856-0013	2	Housing Ready				
	856-0013	1	Tank Ready				
9	337-0090	1	Strap, Electrical				

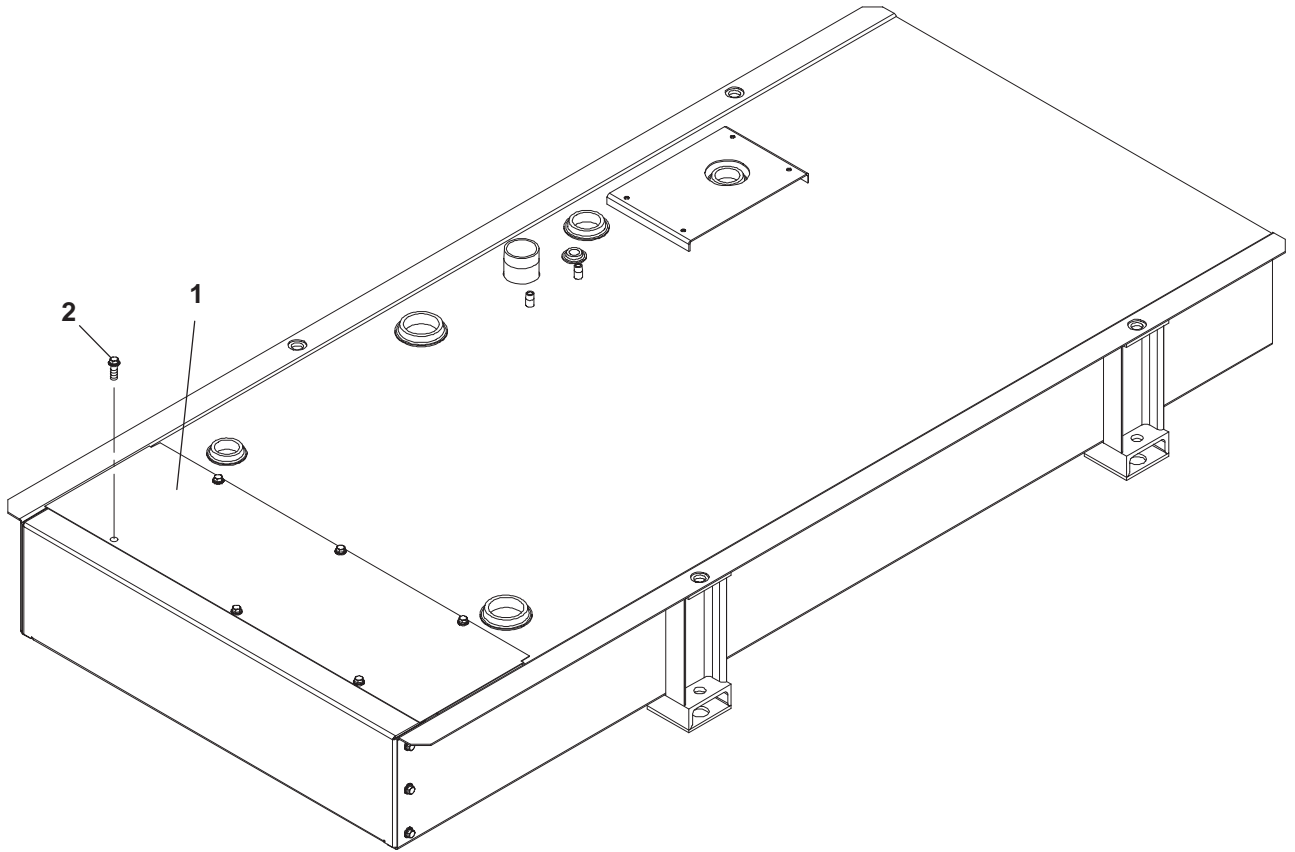
Skid Pan



F170

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

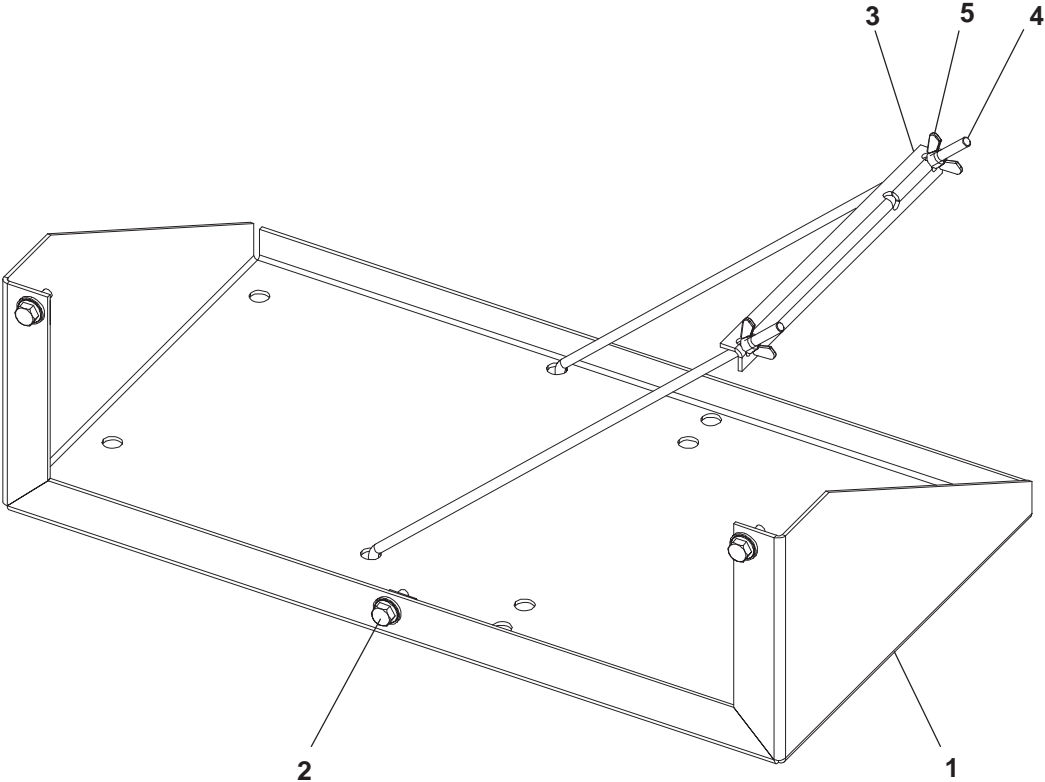
Sound Barrier



F172,173

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

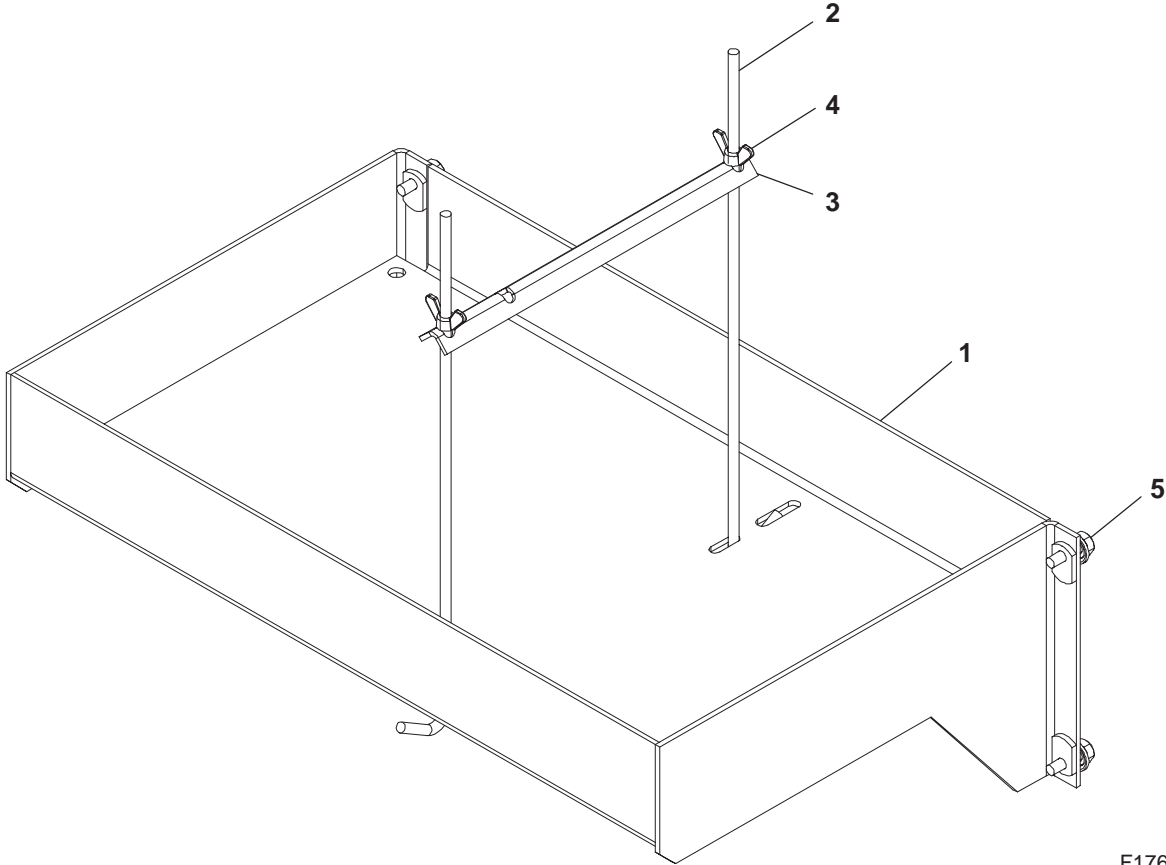
Battery Hold Down – Standard



F065

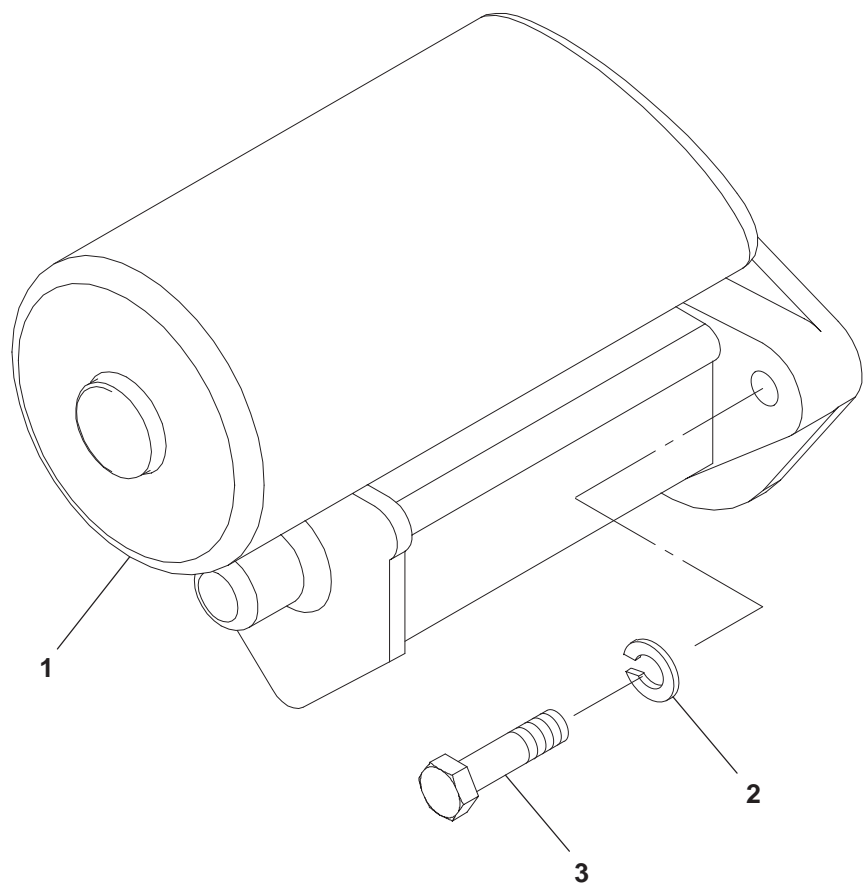
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	403-4058	1	Tray, Battery	4	416-0993-02	2	Rod, Hold Down – Battery
2	821-6003-02	3	Screw, Hex Head (M8 x 20)	5	865-0030	2	Nut, Wing (M6)
3	416-1033	1	Hold Down, Battery				

Battery Hold Down – Tank Ready Skid



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	403-4163	1	Tray, Battery	4	865-0030	2	Nut, Wing (M6)
2	416-1003-02	2	Rod, Hold Down – Battery	5	821-6003-02	4	Screw, Hex Head (M8 x 20)
3	416-1033	1	Hold Down, Battery				

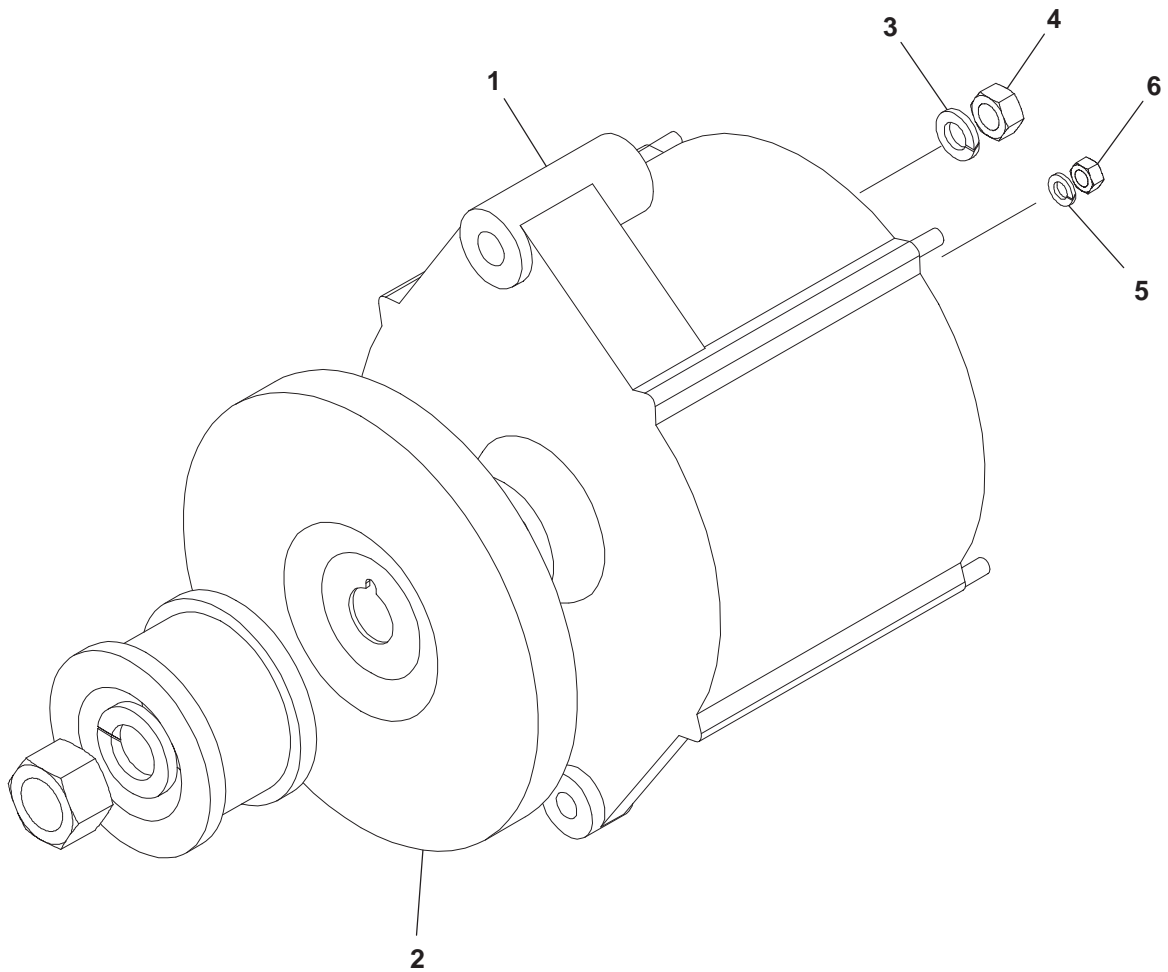
Starter



CP01

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	191-2211	1	Starter	3	800-2089	2	Screw, Cap – Hex Head (M10 x 40)
2	850-2010	2	Washer, Lock (M10)				

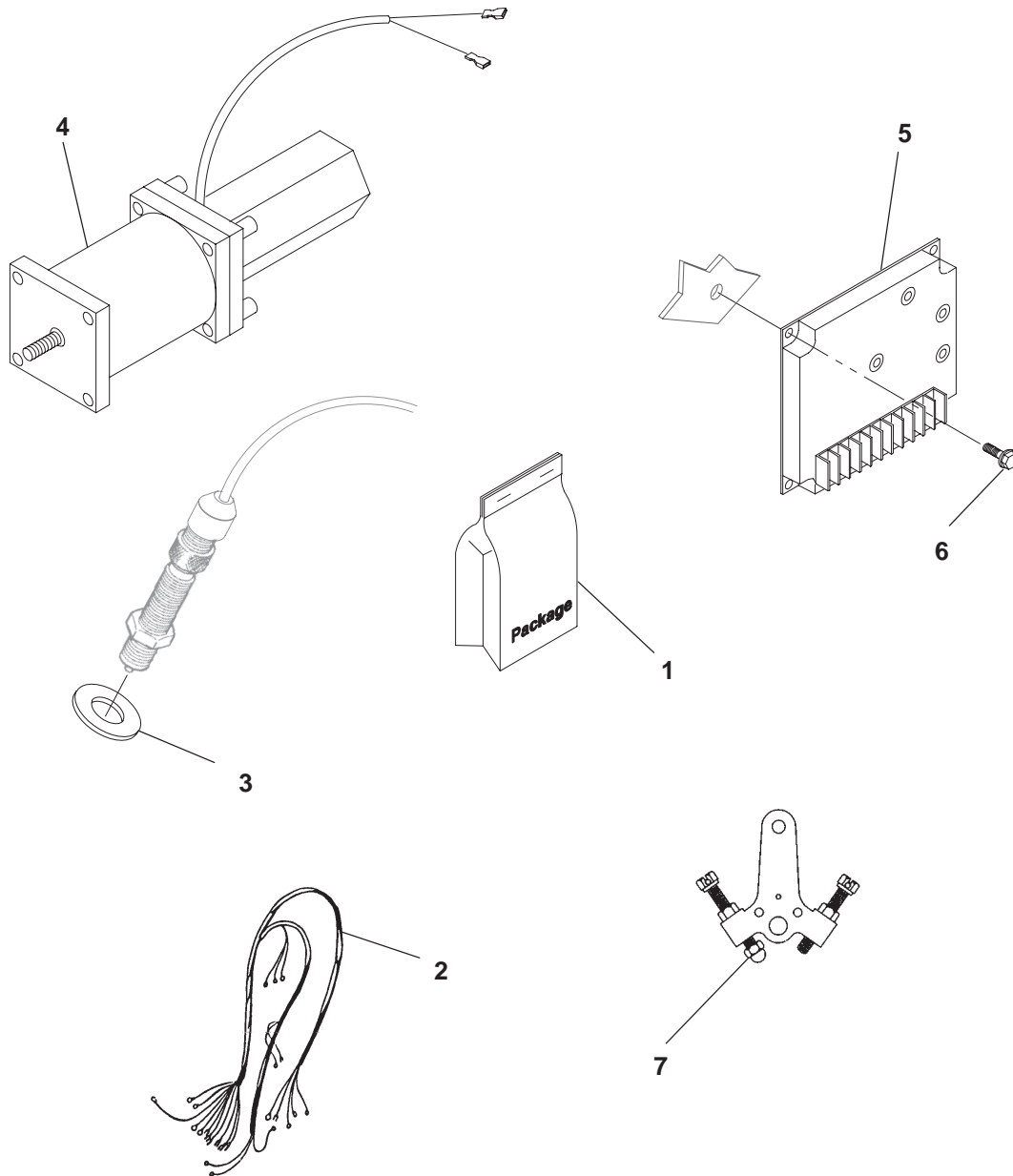
Alternator



CP01

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	191-2209	1	Alternator	4	860-2008	1	Nut, Hex (M8 x 1.25)
2	191-1981	1	Fan, Alternator	5	850-2005	2	Washer, Lock (M5)
3	850-2008	1	Washer, Lock (M8)	6	860-2006	2	Nut, Hex (M5 x 0.8)

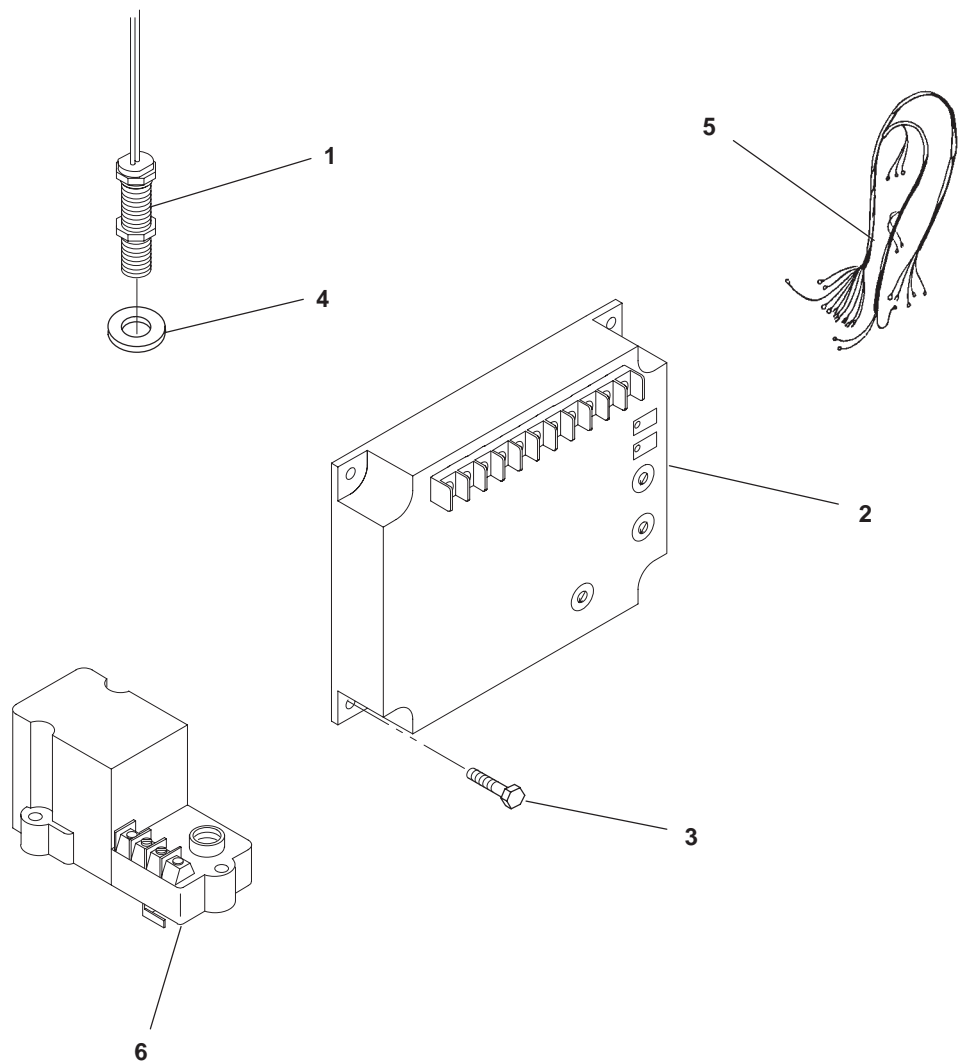
Electronic Governor **DGBB Spec D, E, DGBC Spec C, D, DGCA and DGCB Spec L, M**



A367

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	150-2578	1	Package, Mounting – Actuator to Injection Pump (Includes Actuator Mounting Bracket, Actuator Shaft Clevis, Clevis Jam Nut, Male and Female Rod End Bearings, Magnetic Pickup, Wire Lugs, Mounting Hardware and Instruction Bulletin)	2	338-3571	1	Harness, Electronic Governor
				3	526-0027	1	Washer, Flat (13/16")
				4	150-2331-00	1	Actuator, Governor
				5	151-0715-01	1	Control, Governor
				6	821-6001-01	4	Screw, Hex Head (M5 x 10)
				7	866-0014	1	Nut, Acorn (#10-32)

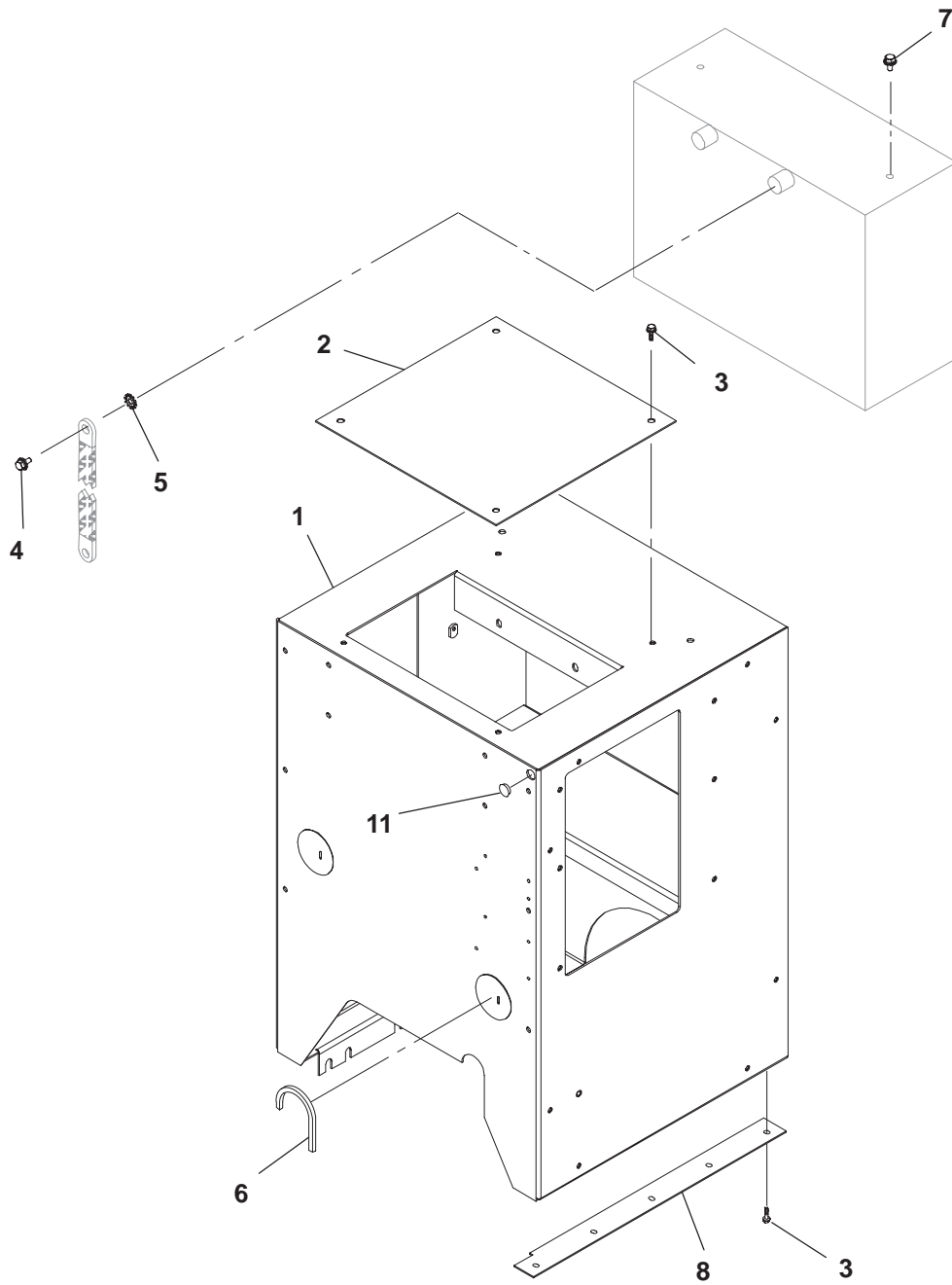
Electronic Governor
DGBB Spec F, DGBC Spec E, DGCA and DGCB Spec N



A366,A367

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	150-2201	1	Sensor, Speed – Magnetic	5	338-3472	1	Harness, Wiring
2	151-0754-02	1	Control, Governor Without Droop Capability	6	150-2735-01	1	Actuator, Rotary (12V)
	151-0731-01	1	Control, Governor With Droop Capability				(Optional on Sets With Detector Control – Also Shown in External Engine Group)
3	821-6001-01	4	Screw, Hex Head (M5 x 0.8 x 10)				
4	526-0027	1	Washer, Flat (13/16)				

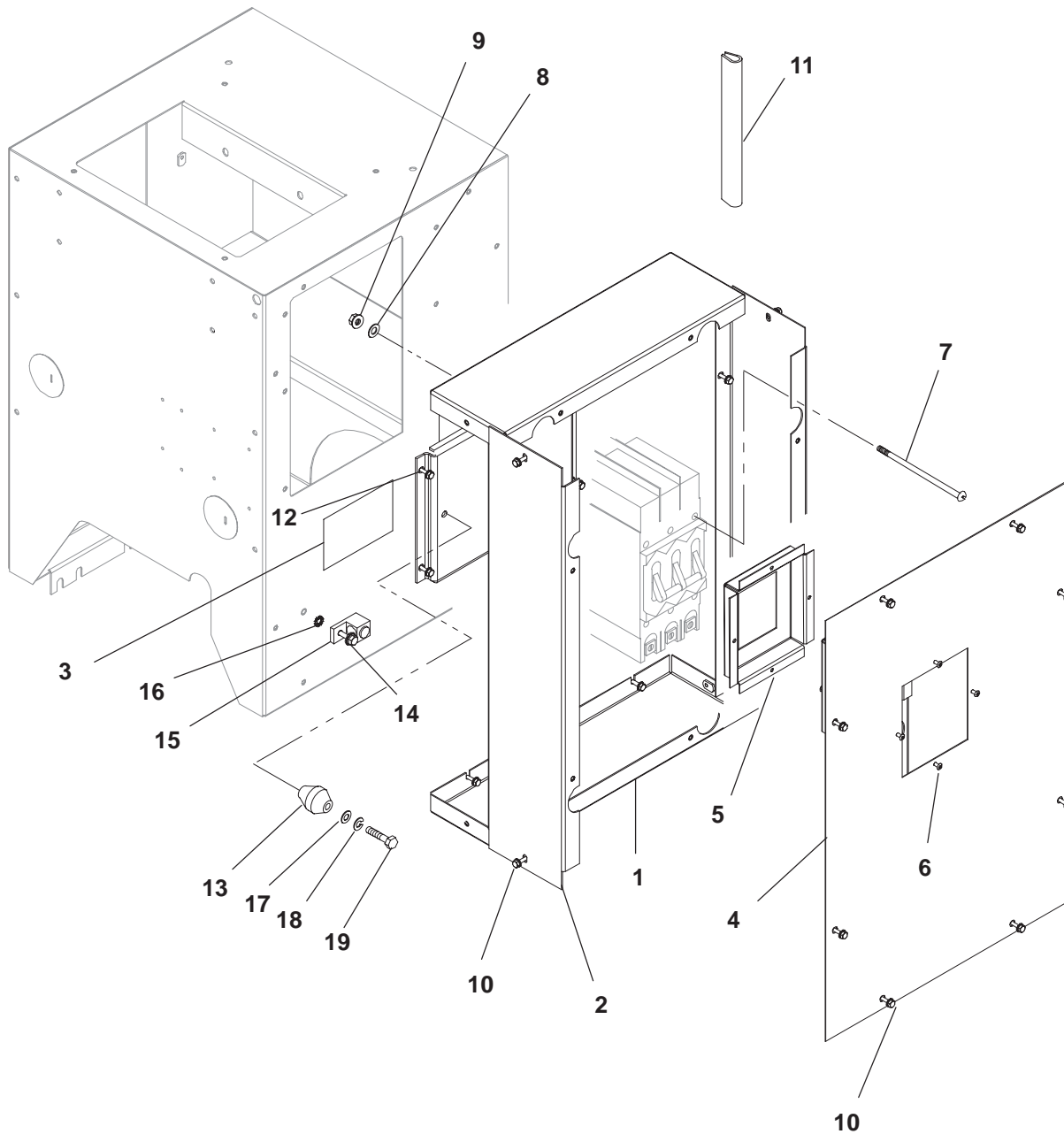
Control Housing



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	4			Screw, Locking – Hex Head (5/16–18 x .50)
	319-2967	1	Sets With UC27 Generator	821-0014	4		Sets With UC27 Generator
2	319-2996	3	Cover, Housing – Control Generator Sets Without Circuit Breaker or Entrance Box	821-5003-01	4		Sets With UCD22 Generator
	319-2996	2	Generator Sets With Circuit Breaker or Entrance Box	5 856-0008	1		Washer, Lock – ET (5/16)
	319-2996	1	Generator Sets With Two Circuit Breakers	6 508-0305-02	.33'		Edging
3	821-6002-03	4	Screw, Hex Head (M6 x 16) Sets With UC27 Generator	7 517-0135	1		Plug, Hole
	821-6002-03	9	Sets With UCD22 Generator	8 319-3207	1		Bracket, Control Mounting – Sets With UCD22 Generator

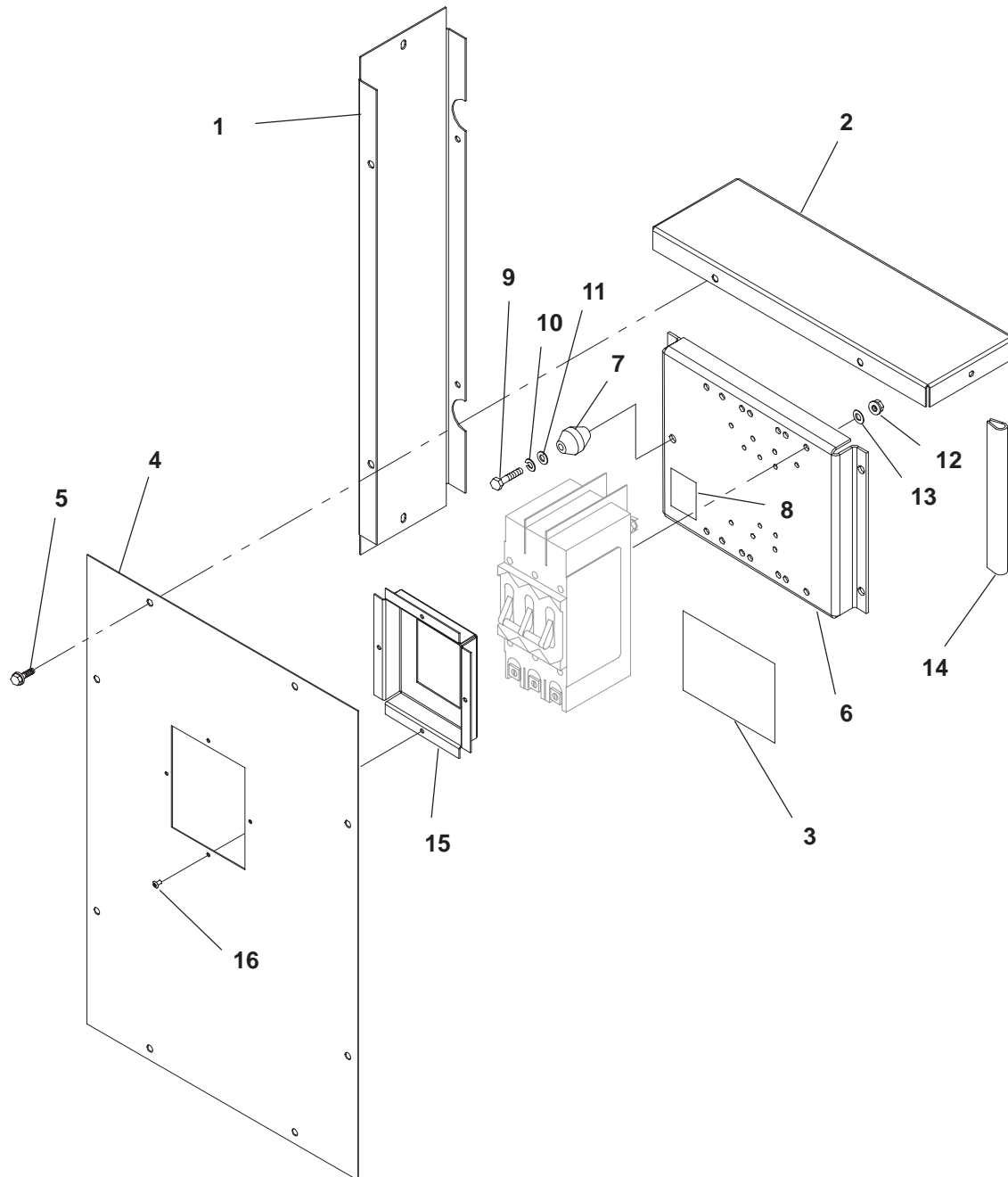
**Circuit Breaker Box
(UL Listed)
DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L**



**Circuit Breaker Box
(UL Listed)
DGBB Spec D, DGBB Spec C, DGCA and DGCB Spec L**

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	8	526-0008	4	*# Washer, Flat (#10) (Used with F Frame Only)
2	319-2978	2	* Panel, Side – Circuit Breaker Box	9			*# Nut, Lock
3	098-2304	1	*# Label, Warning		870-0221	4	TQD E Frame (#8-32)
4			* Cover, Box – Circuit Breaker		870-0131	4	F Frame (#10-32)
	319-2979-02	1	Entrance Box Only (No Breaker)	10	870-0232	4	J T JD Frame (1/4-20)
	319-2979-01	1	Used with Circuit Breaker				Screw, SEMS – Hex Head (M6 x 1 x 16)
5			*# Cutout, Box – Circuit Breaker		821-6002-03	8	No Breaker
	319-3012	1	110-225 Amp, 3 Pole, TQD Frame (Hole Size 76mm x 32mm)		821-6002-03	24	Entrance Box Only (No Breaker)
	319-3013	1	0-100 Amp, 3 Pole, E Frame (Hole Size 98mm x 36mm)	11	821-6002-03	28	Used with Circuit Breaker
	319-3013	1	125-225 Amp, 3 Pole, E Frame (Hole Size 98mm x 36mm)		508-0239	–	* Edging – Bulk (Order By The Foot – 2 Feet Required)
	319-3014	1	125-225 Amp, 3 Pole, F Frame (Hole Size 98mm x 76mm)	12	319-2980	1	*# Bracket, Mounting – Circuit Breaker (UL)
	319-3014	1	250-425 Amp, 2 Pole, J T TD Frame (Hole Size 98mm x 76mm)	13	332-2744-07	1	Standoff, Insulator (3 Pole Only)
	319-3014	1	250-425 Amp, 3 Pole, J T TD Frame (Hole Size 98mm x 76mm)	14	821-6003-02	1	* Screw, SEMS – Hex Head (M8 x 1.25 x 20)
	319-3014	1	450-600 Amp, 2 Pole, J Frame (Hole Size 98mm x 76mm)	15	332-1473	1	* Lug, Solderless
6	818-0231-02	4	*# Rivet, Pop	16	856-0008	1	* Washer, Lock – EIT (5/16)
7			*# Screw, Machine – Round Head	17	800-0048	2	Screw, Cap – Hex Head (3/8-16 x .75) (3 Pole Only)
	812-0093	4	TQD E Frame (#8-32 x 3)	18	850-0050	2	Washer, Lock (3/8) (3 Pole Only)
	813-0190	4	F Frame (#10-32 x 4)	19	526-0029	1	Washer, Flat (3/8) (3 Pole Only)
	812-0157	4	J T JD Frame (1/4-20 x 1.75)				
							* Not used on sets WO/Breaker or Entrance Box
							# Not used on sets W/Entrance Box Only – No Breaker

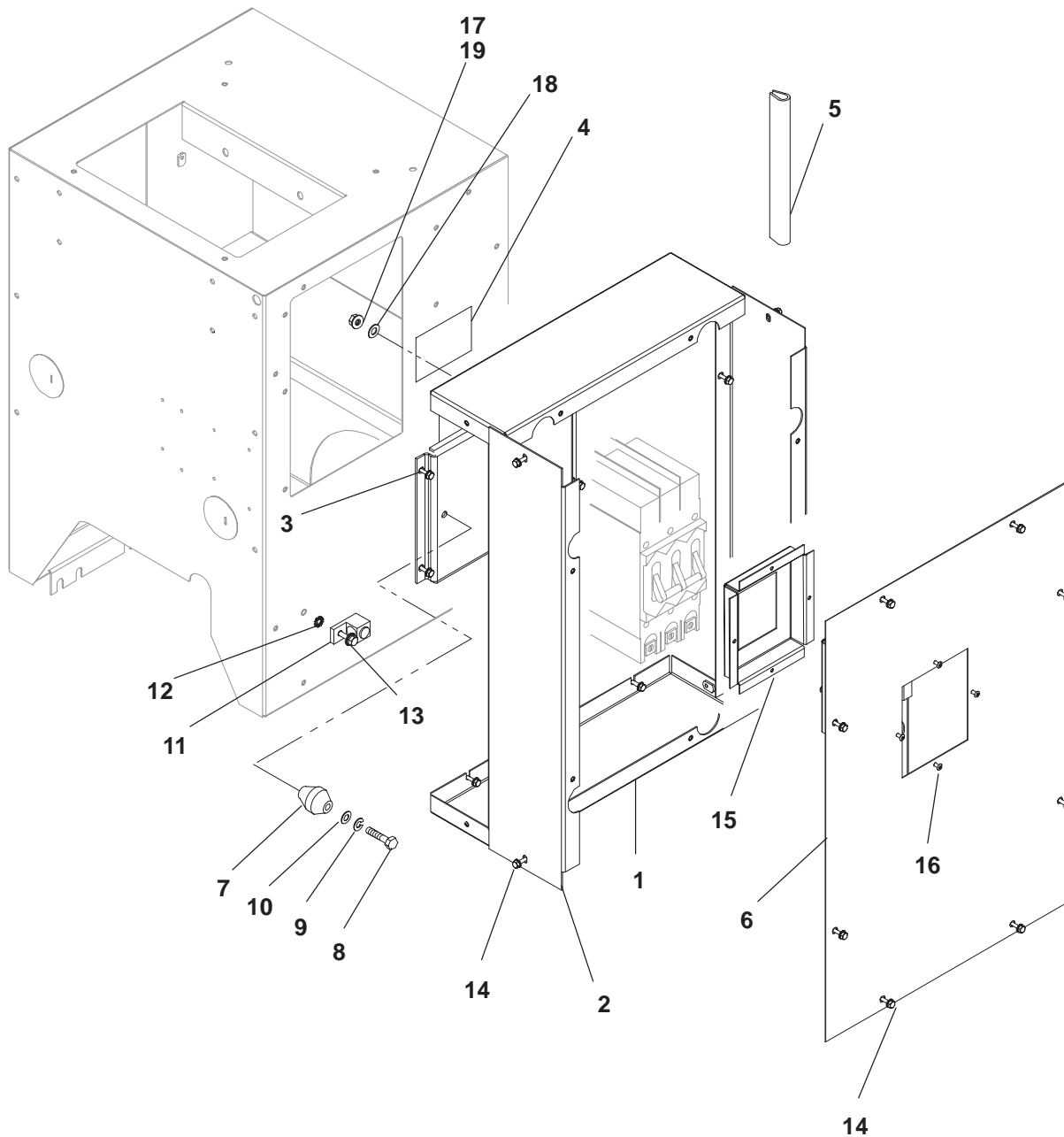
**Circuit Breaker Box
(Non-UL)
DGBB Spec D, DGBB Spec C, DGCA and DGCB Spec L**



**Circuit Breaker Box
(Non-UL)
DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-2978	2	Panel, Side – Circuit Breaker Box	12			Nut, Hex 3 Pole
2	319-3072	2	Panel, End – Circuit Breaker Box	860-2005	2		80 Amp (M4 x 0.7)
3	098-2304	1	Label, Warning	860-2006	2		100/125/160/200 Amp (M5 x 0.8)
4	319-2979-01	1	Cover, Box – Circuit Breaker				4 Pole
5	821-6002-03	28	Screw, SEMS – Hex Head (M6 x 1 x 16)	860-2005	2		80 Amp (M4 x 0.7)
6	319-2995	1	Bracket, Mounting – Circuit Breaker (Non-UL)	860-2006	3		100/125/160/200 Amp (M5 x 0.8)
7	332-2744-07	1	Standoff, Insulator (3 Pole Only)	13			Washer, Lock 3 Pole
8	098-5854-04	1	Label, Marking – Bus (3 Pole Only)	850-2004	2		80 Amp (M4)
9	800-0048	2	Screw, Cap – Hex Head (3/8-16 x .75) (3 Pole Only)	850-2005	2		100/125/160/200 Amp (M5)
10	850-0050	2	Washer, Lock (3/8) (3 Pole Only)	850-2004	2		80 Amp (M4)
11	526-0029	2	Washer, Flat (3/8) (3 Pole Only)	850-2005	3		100/125/160/200 Amp (M5)
				14	508-0239	–	Edging – Bulk (Order By The Foot – 2 Feet Required)
				15	319-3014	1	Cutout, Box – Circuit Breaker
				16	818-0231-02	4	Rivet, Pop

Circuit Breaker Box
(UL Listed, IEC Conformity)
DGBB Spec E, F, DGBC Spec D, E, DGCA and DGCB Spec M, N



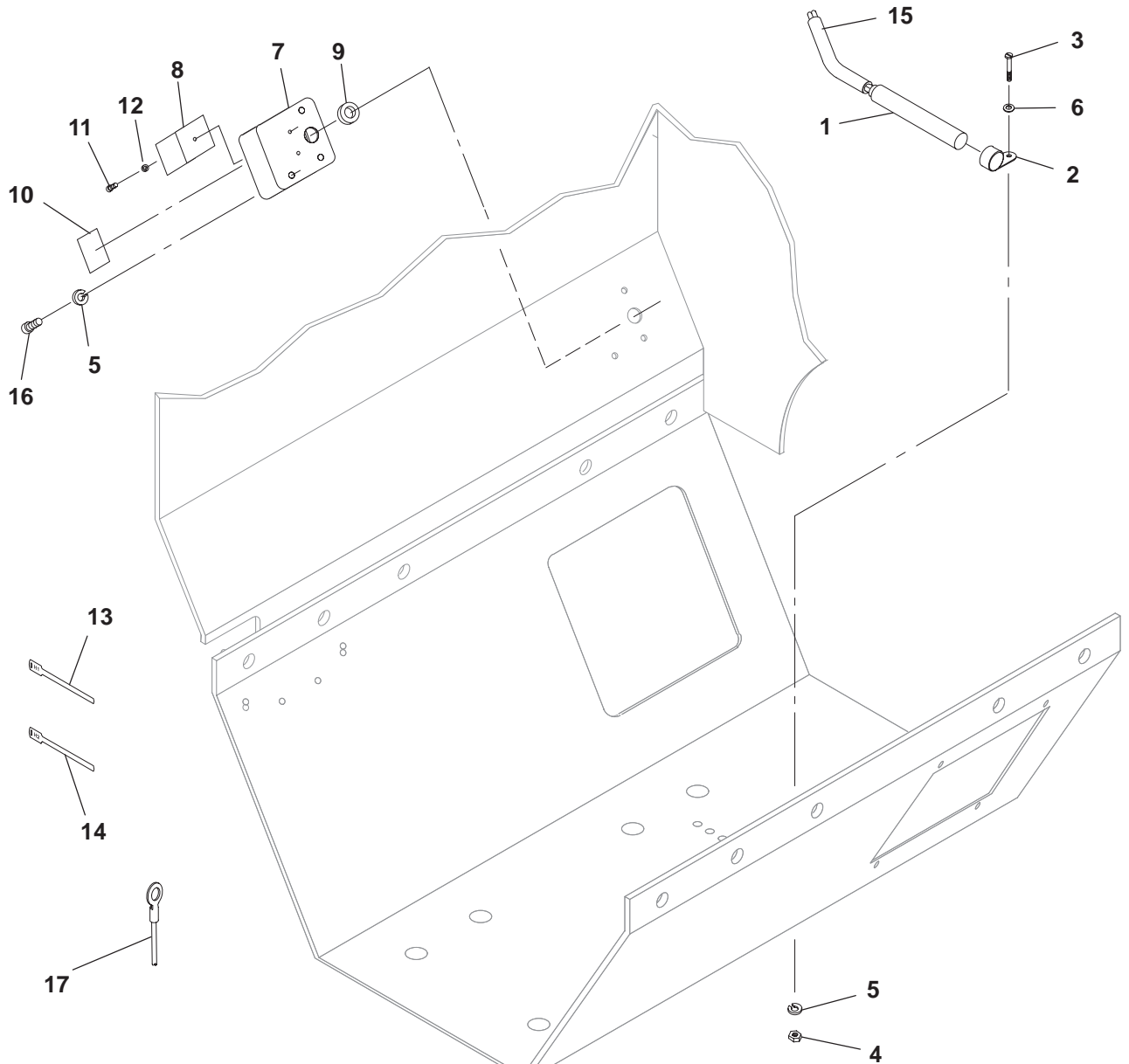
Circuit Breaker Box
(UL Listed, IEC Conformity)
DGBB Spec E, F, DGBC Spec D, E, DGCA and DGCB Spec M, N

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

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

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				

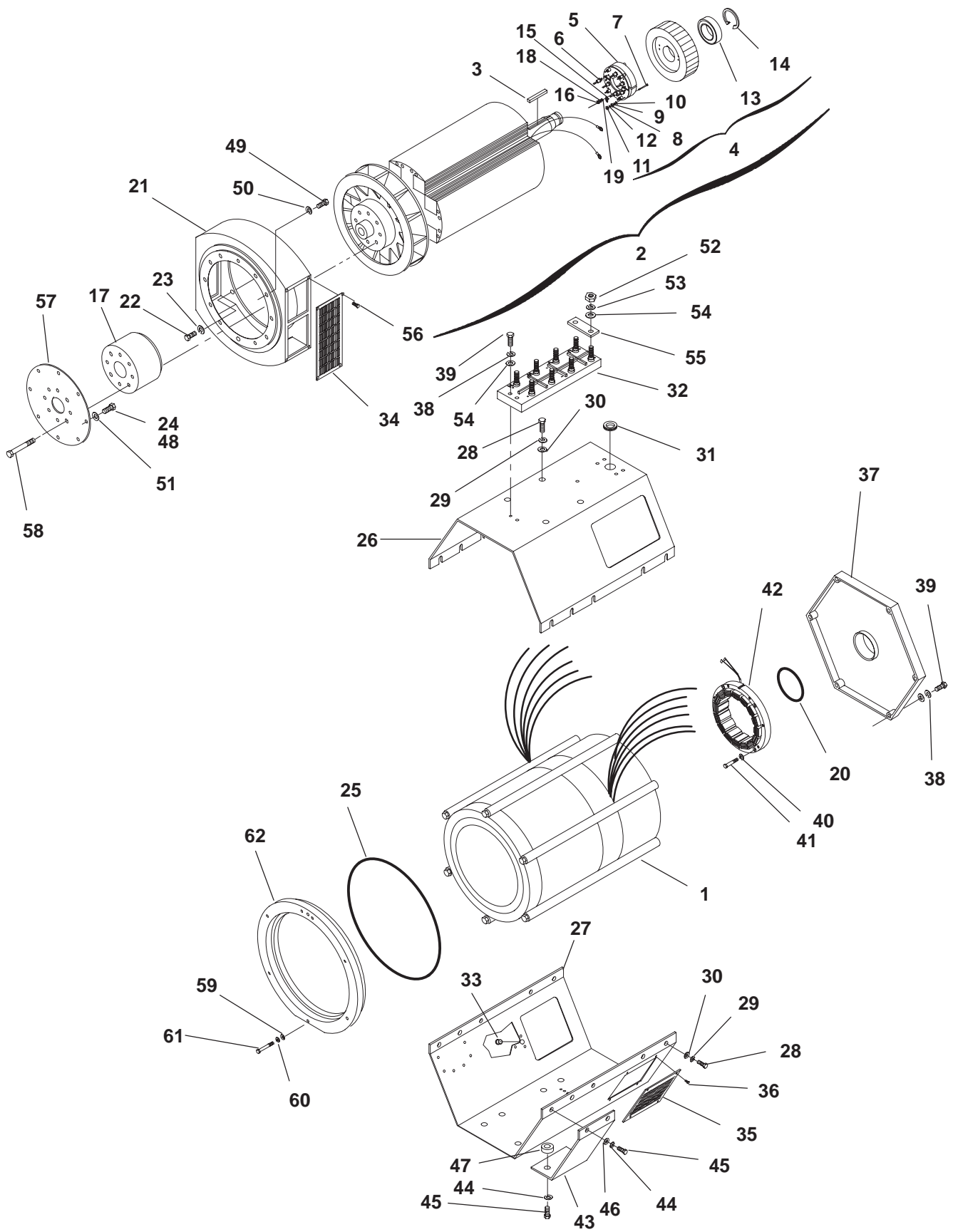
Generator Heater (Quiet Site)



A292,293

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	333-0438-07	1	Cartridge, Heater	9	508-0228	1	Grommet
	333-0438-08	1	110-125 Volt	10	098-6142	1	Label, Heater Adjust
			220-260 Volt	11	822-3047	1	Screw, Pan Head (M3 x 20)
2	332-3024-11	2	Clamp, Loop	12	850-2003	1	Washer, Lock (M3)
3	822-3075	5	Screw, Pan Head (M4 x 16)	13	532-0474-19	1	Marker, Wire (H1)
4	860-2005	1	Nut, Hex (M4)	14	532-0474-20	1	Marker, Wire (H2)
5	850-2004	3	Washer, Lock (M4)	15	898-1254-19	1	Sleeving, Insulating
6	526-2050	1	Washer, Flat (M4)	16	815-0242	2	Screw, Thread Cutting - Pan Head (#8-32 x .5)
7	330-0142	1	Box, Terminal - Heater	17	226-4780	2	Lead
8	332-3023	1	Block, Terminal				

Generator



Generator

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Stator, Generator (See Separate Page for Part Numbers)	23			Washer, Lock
					850-0114-54	6	165, 190mm Stack Length
					850-0114-55	6	130, 160, 180, 240, 300mm Stack Length
2			Rotor Assembly, Generator (Includes parts marked *)	24	805-0015	8	Bolt, Place (3/8-16 x .75)
	201-3557-01	1	130mm Stack Length	25	508-0139		Seal, Edging – Bulk (Order by the foot – 3 Feet Required)
	201-3557-02	1	160mm Stack Length				
	201-3497-01	1	165mm Stack Length	26			Cover, Stator – Top
	201-3557-03	1	180mm Stack Length		234-0937-01	1	130, 160, 165, 190mm Stack Length
	201-3497-02	1	190mm Stack Length		234-0937-02	1	180, 240mm Stack Length
	201-3557-04	1	240mm Stack Length		234-0937-03	1	300mm Stack Length
	201-3557-05	1	300mm Stack Length				Cover, Stator – Bottom
3			* Key, Exciter Rotor	27			130, 160mm Stack Length
	515-0299-02	1	130, 160mm Stack Length		232-3819-01	1	130, 160mm Stack Length
	515-0299-04	1	180, 240mm Stack Length		232-3819-02	1	180, 240mm Stack Length
	515-0299-05	1	300mm Stack Length		232-3819-03	1	300mm Stack Length
	515-0298-02	1	165, 190mm Stack Length		232-3820-01	1	165, 190 Stack Length
4			* Rotor Assembly, Exciter (Includes Parts Marked #)	28			Screw, Cap – Hex Head
	201-3434-01	1	130, 160mm Stack Length		800-3017-54	10	165, 190mm Stack Length (M12 x 30mm)
	201-3434-02	1	165, 180, 190, 240, 300mm Stack Length		800-3017-37	8	130, 160mm Stack Length (M10 x 25mm)
5			** Rectifier Assembly (Includes Parts Marked +)		800-3017-37	10	180, 240, 300mm Stack Length (M10 x 25mm)
	357-0091	1	Forward (with Positive Diode)	29			Washer, Lock – Spring
	357-0092	1	Reverse (with Negative Diode)		850-0114-55	10	M10
					850-0114-56	10	M12
6			**+ Diode	30			Washer, Flat
	358-0135-01	3	Positive		526-0399-62	10	M10
	358-0135-02	3	Negative		526-0399-64	10	M12
7	800-3009	3	**+ Screw, Cap – Hex Head (M4 x 35mm) (CR1,2,3,4,5,6)	31	508-1057	1	Grommet
8	860-2005	3	**+ Nut, Hex (M4)	32	232-3421	1	Block, Terminal
9	850-2004	3	**+ Washer, Lock – Spring (M4)	33	517-0135	1	Plug, Hole
10	526-2050	3	**+ Washer, Flat (M4)	34			Guard, Fan
11	870-2064-01	6	** Nut, Locking – Nylon (M4)		234-0867	2	165, 190mm Stack Length
12	526-2050	6	** Washer, Flat (M4)		234-0980	2	130, 160, 180, 240, 300mm Stack Length
13	510-0164	1	* Bearing, Ball	35			Screen, Air Inlet
14	518-0083	1	* Ring, Retaining		234-0879	2	165, 190mm Stack Length
15	304-0807	1	* Varistor		234-0878	2	130, 160, 180, 240, 300mm Stack Length
16	860-2006	2	* Nut, Hex (M5)	36			Screw, SEMS
17	232-3695	1	* Hub, Drive – Generator (UC27 Generator)		821-6001-01	8	165, 190mm Stack Length (M5 x 10mm)
18	850-2005	2	* Washer, Lock – Spring (M5)		821-6001-02	8	130, 160, 180, 240, 300mm Stack Length (M5 x 12mm)
19	526-2060	2	* Washer, Flat (M5)				
20			O-Ring				
	509-0266-01	1	130, 160, 180, 240, 300mm Stack Length				
	509-0266-02	1	165, 190mm Stack Length				
21			Adapter, Generator				
	231-0370	1	130, 160, 180, 240, 300mm Stack Length				
	231-0325	1	165, 190mm Stack Length				
22			Screw, Cap – Hex Head				
	800-3017-20	6	165, 190mm Stack Length				
			130, 160, 180, 240, 300mm Stack Length				

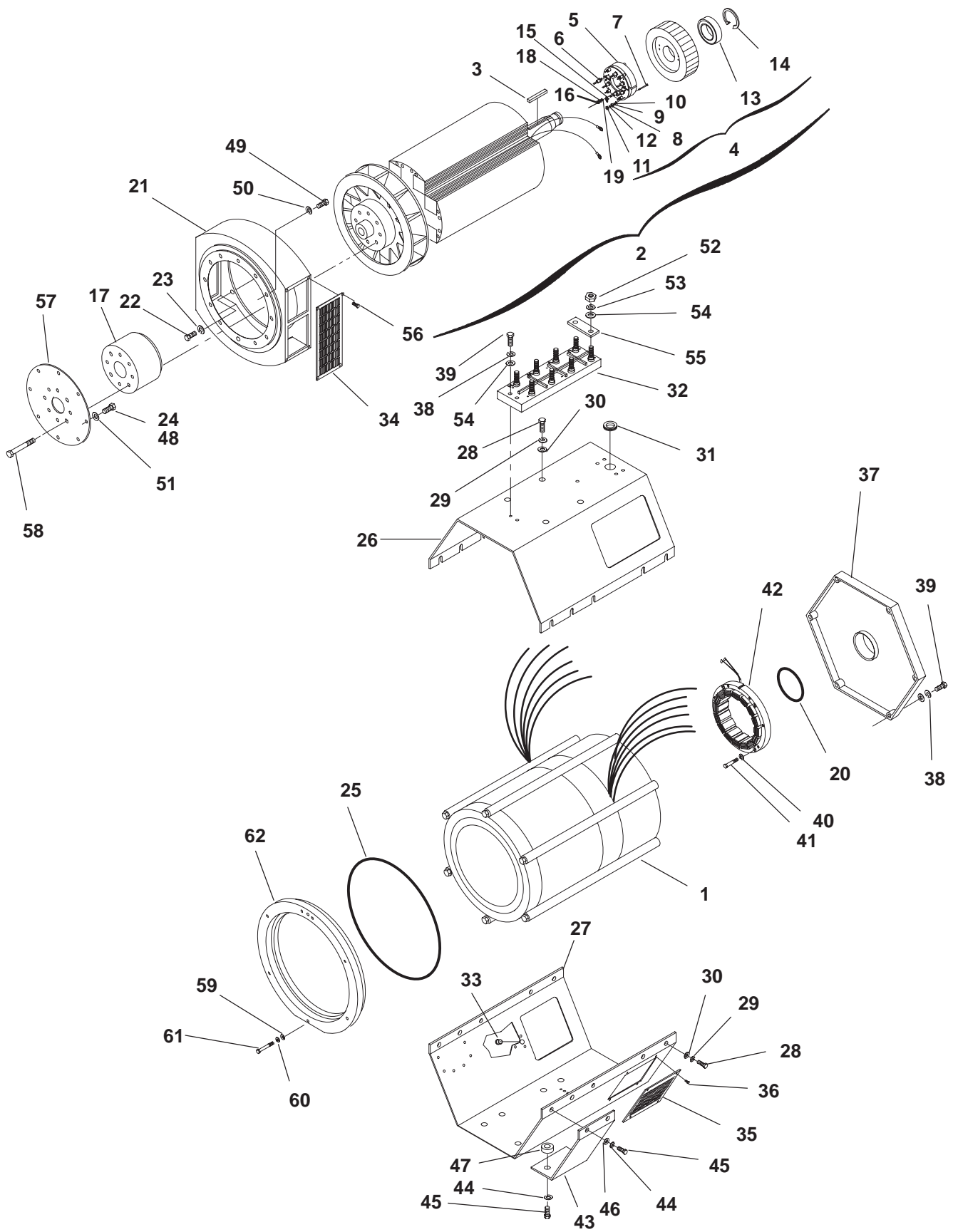
* –Parts Included in Generator Rotor Assemblies

–Parts Included in Exciter Rotor Assemblies

+ –Parts Included in Rectifier Assemblies

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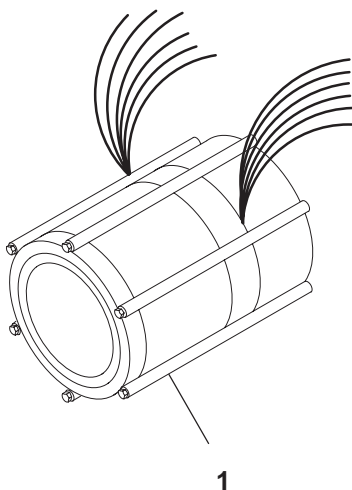
Generator



Generator

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
Continued...				45			Screw, Cap – Hex Head
37			Bell, End		800-3017-56	8	M12
	211-0423	1	165, 190mm Stack Length		800-3017-39	8	M10
	211-0422	1	130, 160, 180, 240, 300mm Stack Length	46			Washer, Flat
38			Washer, Lock		526-0399-64	4	M12
	850-0114-55	6	165, 190mm Stack Length (M10)		526-0399-62	4	M10
	850-0114-54	6	130, 160, 180, 240, 300mm Stack Length (M8)	47			Spacer, Foot – Mounting
39			Screw, Cap – Hex Head		232-3730-04	4	165, 190mm Stack Length
	800-3017-38	6	165, 190mm Stack Length (M10 x 30)		232-3730-03	4	130, 160, 180, 240, 300mm Stack Length
			130, 160, 180, 240, 300mm Stack Length	48	805-0015	8	Bolt, Place (3/8–16 x .75)
	800-3017-42	5	M10 x 50mm	49	800-2088	12	Screw, Cap – Hex Head (M10 x 35mm)
	800-3017-44	1	M10 x 60mm (12 O'Clock Position)	50	850-2010	12	Washer, Lock – Spring (M10)
40	850-2006	4	Washer, Lock – Spring (M6)	51	526-0174	8	Washer, Flat (3/8)
41			Screw, Cap – Hex Head	52	860-2009	8	Nut, Hex (M10)
	800-2042	4	M6 x 60mm	53	850-2010	8	Washer, Lock – Spring (M10)
	800-2046	4	M6 x 80mm	54	526-2120	8	Washer, Flat (M10)
42			Stator, Exciter	55	332-2987	4	Link, Terminal
	220-4293-04	1	130, 160mm Stack Length	56	821-6001-01	8	Screw, Self-Locking – Hex Washer Head (M5 x 10mm)
	220-4293-05	1	165, 180, 190, 240, 300mm Stack Length	57	232-3959-01	1	Disc, Drive
43			Bracket, Mounting – Generator Foot	58	720-1123	8	Screw, Cap – Hex Head (M16 x 60)
	232-3925	2	165, 190mm Stack Length	59	526-0423	12	Washer, Flat (13/32" ID x 1-1/4" OD x 1/4" thk)
	232-3940	2	130, 160, 180, 240, 300mm Stack Length	60	850-0114-55	6	Washer, Lock – Spring (M10)
44			Washer, Lock	61	800-3017-38	6	Screw, Cap – Hex Head (M10 x 30mm)
	850-0114-56	8	M12	62	231-0319	1	Adapter, Stator (UC27)
	850-0114-55	8	M10	* –Parts Included in Generator Rotor Assemblies			
				# –Parts Included in Exciter Rotor Assemblies			
				+ –Parts Included in Rectifier Assemblies			

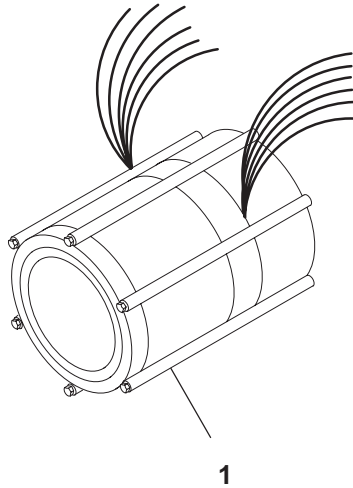
Generator Stator



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Stator, Generator 60 Hertz 150 deg. C Heat Rise 12 Lead, Standby, 418/480 Volt Upper Broad Range Reconnectible				12 Lead, 416/480 Volt, Broad Range Reconnectible, Full 1 Phase Output
	220-4447-11	1	DGBB, DGBC		220-4447-12	1	DGBB
	220-4447-12	1	DGCA		220-4447-13	1	DGBC
	220-4447-14	1	DGCB		220-4447-14	1	DGCA
			3 Phase, 347/600 Volt, Standby DGBB, DGBC		220-4447-15	1	DGCB
	220-4447-26	1	DGCA				4 Lead, 1 Phase, 240 Volt
	220-4447-27	1	DGCB		220-4447-06	1	DGBB
	220-4447-28	1			220-4447-07	1	DGBC
			12 Lead, Standby, 380/416 Volt, Lower Broad Range Reconnectible		220-4447-08	1	DGCA
	220-4447-16	1	DGBB, DGBC		220-4447-09	1	DGCB
	220-4447-17	1	DGCA				3 Phase, 347/600 Volt
	220-4447-19	1	DGCB		220-4447-26	1	DGBB, DGBC
			125 deg. C Heat Rise 12 Lead, 416/480 Volt, Upper Broad Range Reconnectible		220-4447-27	1	DGCA
	220-4447-11	1	DGBB, DGBC		220-4447-28	1	DGCB
	220-4447-13	1	DGCA				12 Lead, 380/416 Volt, Lower Broad Range Reconnectible
	220-4447-14	1	DGCB		220-4447-16	1	DGBB, DGBC
					220-4447-17	1	DGCA
					220-4447-19	1	DGCB
							105 deg. C Heat Rise 12 Lead, 416/480 Volt, Broad Range Reconnectible, Full 1 Phase Output
					220-4447-12	1	DGBB
					220-4447-14	1	DGBC, DGCA
					220-4448-14	1	DGCB

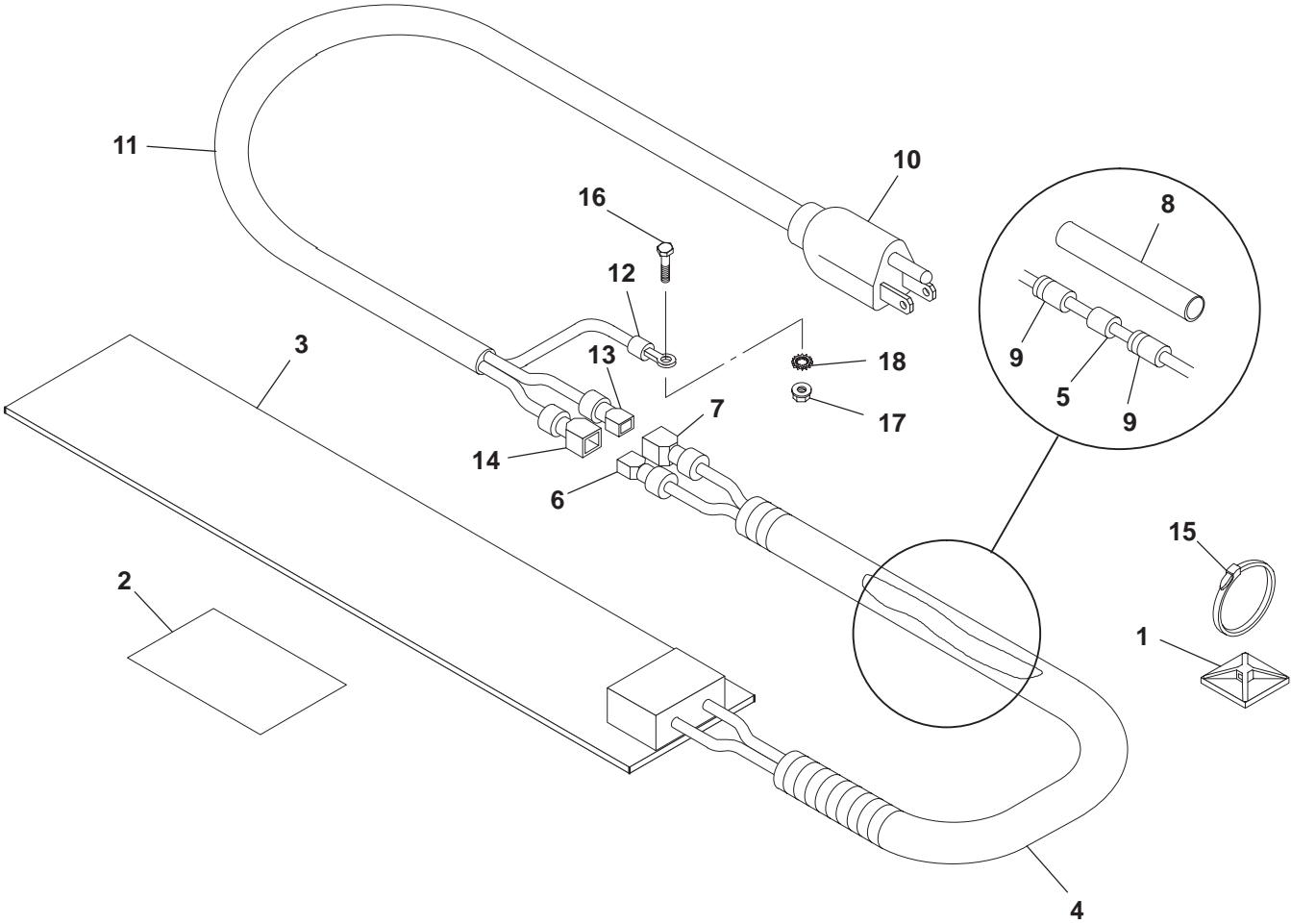
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Generator Stator



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
Continued...							125 deg. C Heat Rise
			4 Lead, 1 Phase 240 Volt				12 Lead, Broad Range Reconnectible
220-4447-07	1		DGBB	220-4447-11	1		DGBB, DGBC
220-4447-08	1		DGBC	220-4447-13	1		DGCA
220-4447-09	1		DGCA	220-4447-14	1		DGCB
220-4447-10	1		DGCB				12 Lead, Broad Range Reconnectible, Full 1 Phase Output
			3 Phase, 347/600 Volt	220-4447-11	1		DGBB
220-4447-26	1		DGBB	220-4447-12	1		DGBC
220-4447-27	1		DGBC	220-4447-13	1		DGCA
220-4447-28	1		DGCA	220-4447-15	1		DGCB
220-4447-29	1		DGCB				105 deg. C Heat Rise
			12 Lead, 380/416 Volt, Lower Broad Range Reconnectible	220-4447-11	1		12 Lead, Broad Range Reconnectible
220-4447-16	1		DGBB	220-4447-12	1		DGBB
220-4447-17	1		DGBC	220-4447-13	1		DGBC
220-4447-18	1		DGCA	220-4447-14	1		DGCA
220-4447-19	1		DGCB	220-4447-15	1		DGCB
			50 Hertz, 380/440 Volt				12 Lead, Broad Range Reconnectible, Full 1 Phase Output
			150 deg. C Heat Rise	220-4447-12	1		DGBB
			12 Lead, Standby, Broad Range Reconnectible	220-4447-13	1		DGBC
220-4447-11	1		DGBB, DGBC	220-4447-14	1		DGCA
220-4447-12	1		DGCA	220-4447-15	1		DGCB
220-4447-14	1		DGCB				

Control Heater **Generator Sets With Detector Control**

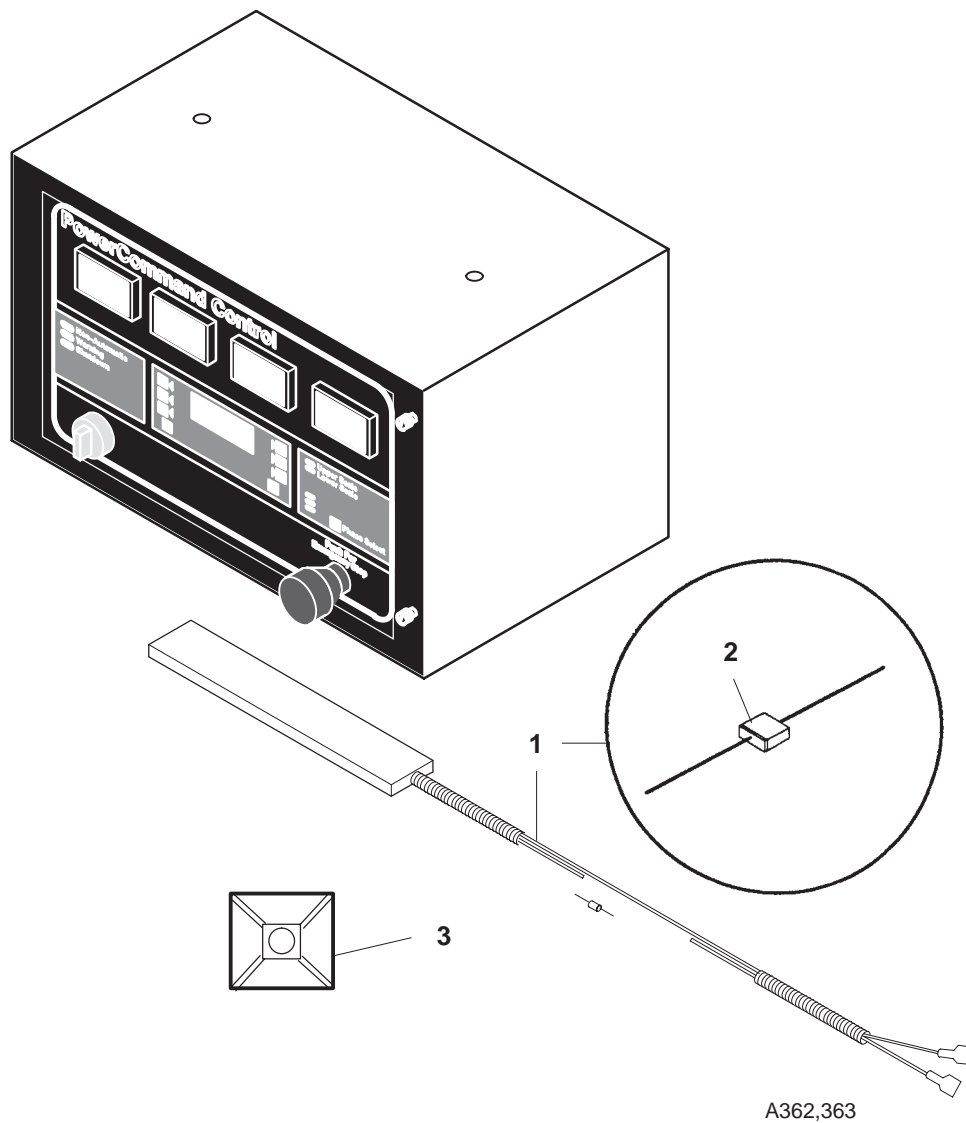


A363,363

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-3338	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, Receptical
	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, Receptical	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 *)				

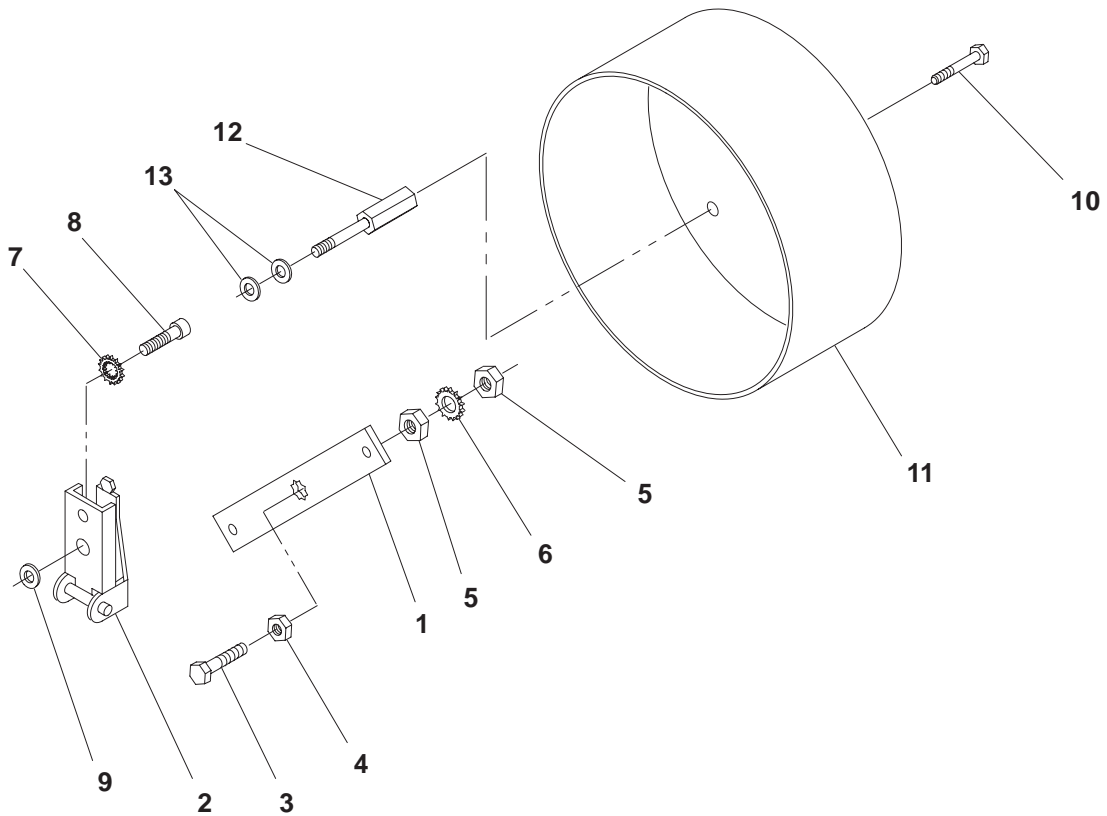
* – Parts Included In 335-0173 Heater Cable

Control Heater Generator Sets With PowerCommand Control



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Heater Assembly, Control – 100 Watt (Includes Rectifier)	2	357-0114	1	Rectifier (3 Amp)
	300-4515-01	1	120 Volt	3	332-3338	1	Mount, Cable
	300-4515-02	1	240 Volt				

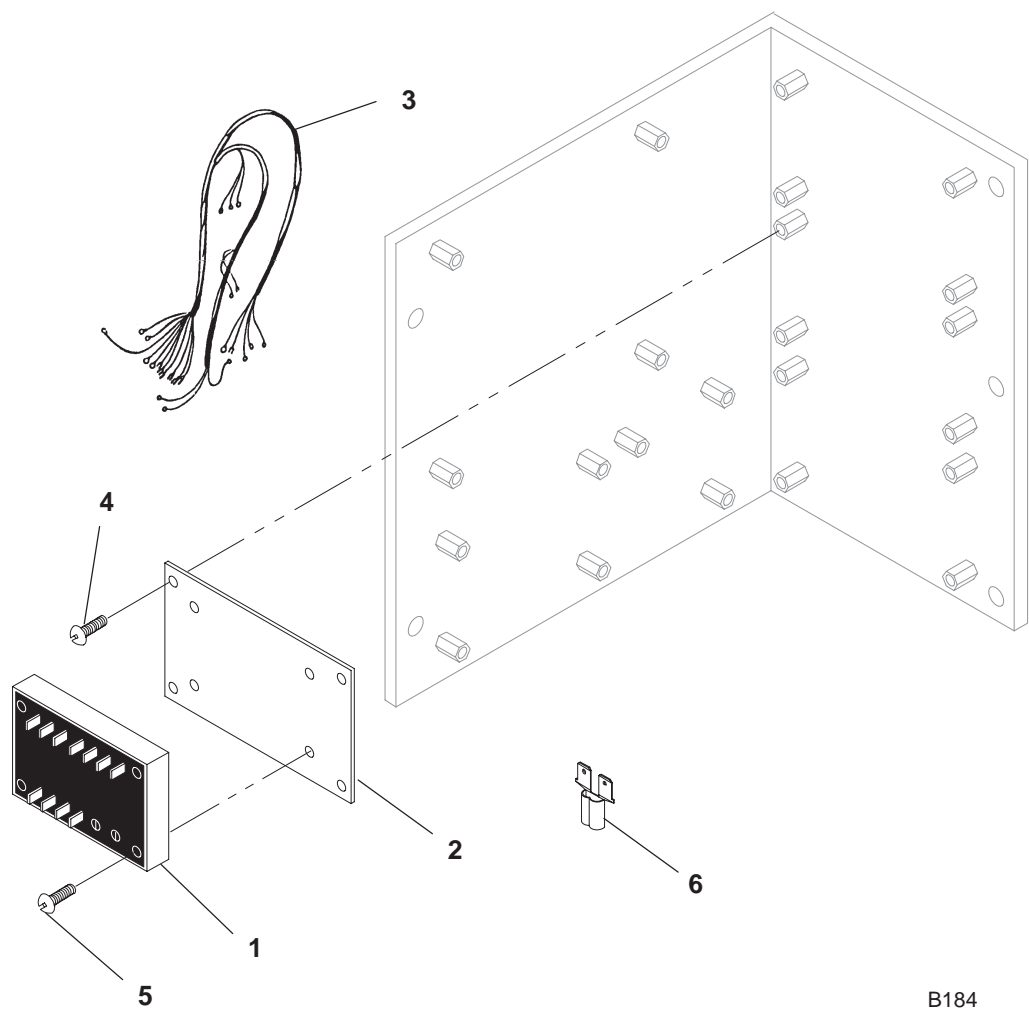
Mechanical Overspeed Switch



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)				

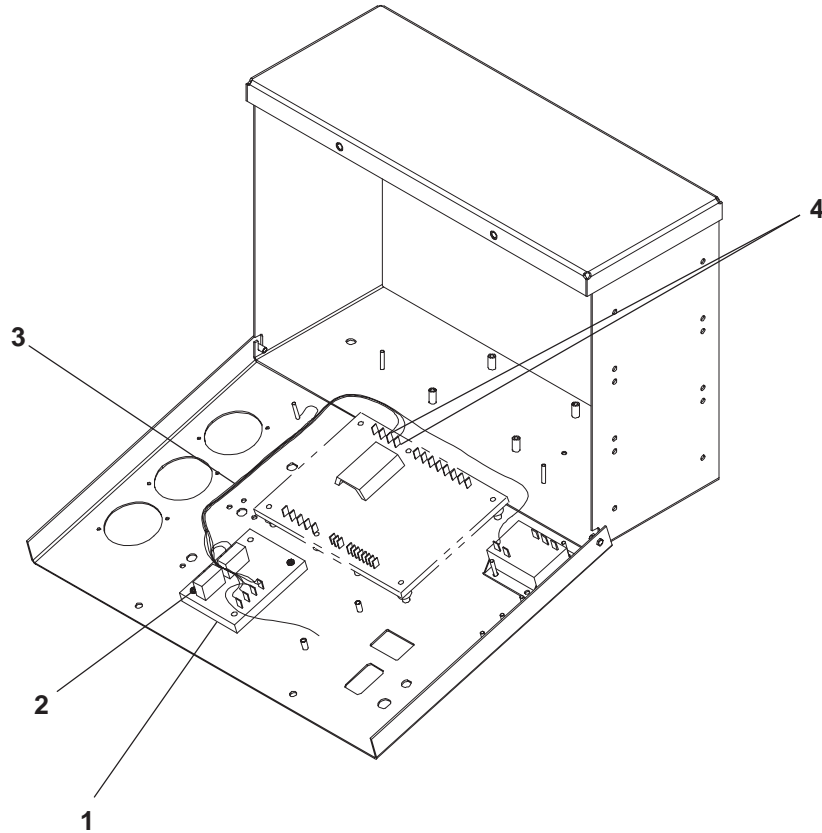
Electric Overspeed
(Detector Control)



B184

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	305-0902-01	1	Module, Frequency	5	812-0082	4	Screw, Machine – Round Head (8-32 x 3/4")
2	319-0754	1	Plate, Overspeed	6	332-1571	2	Terminal, Tab Adapter
3	338-3396	1	Harness, Overspeed				
4	815-0388	4	Screw, Cross Recessed Thread Forming (6-32 x 1/2")				

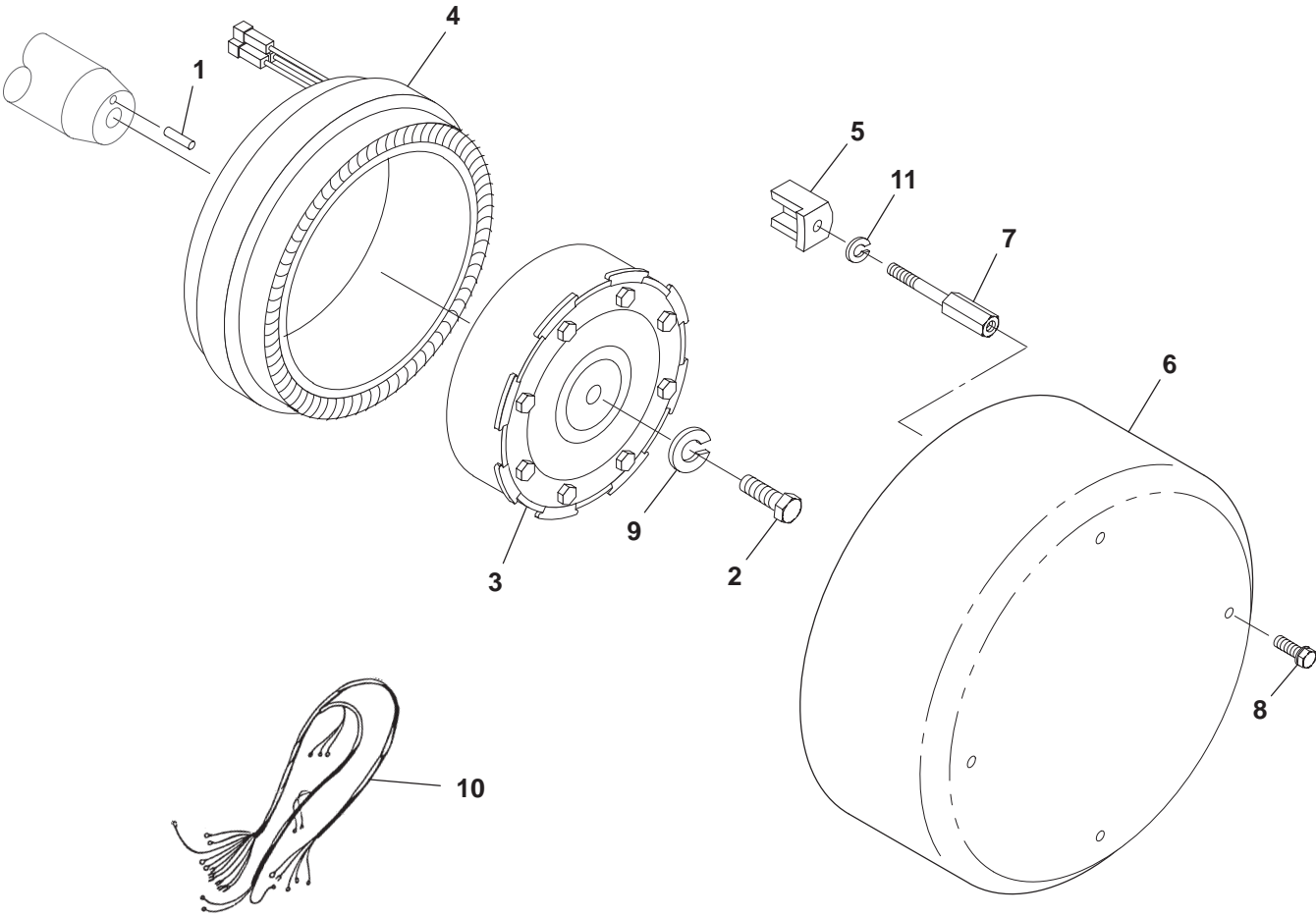
Electric Overspeed (Sentinel Control)



B184

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	305-0902-01	1	Module, Electric Overspeed	3	338-3451	1	Harness, Overspeed
2	815-0388	2	Screw, Thread Cutting – Cross Recessed (#6-32 x 1/2)	4	332-1571	2	Terminal, Tab

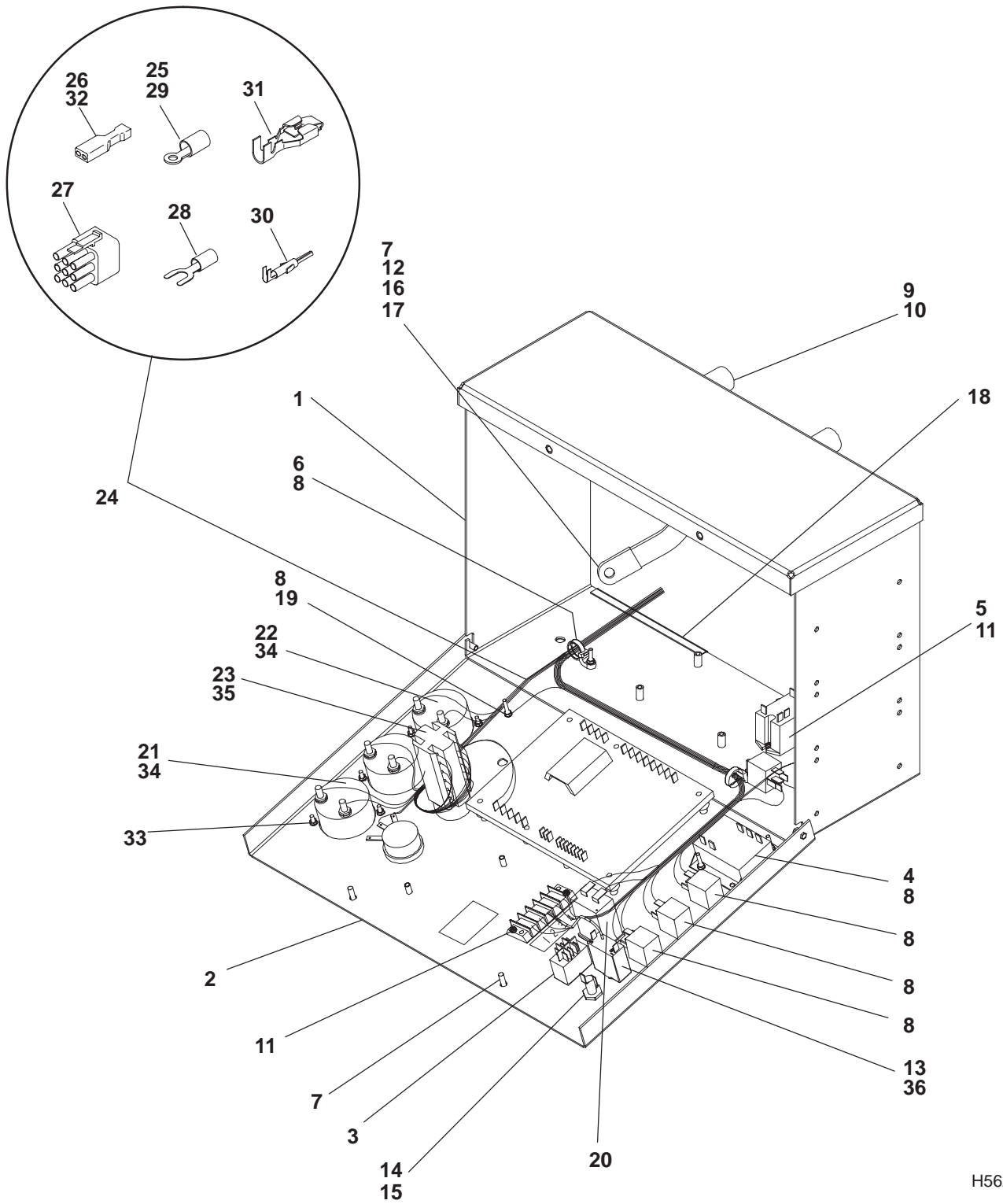
Permanent Magnet Generator



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				

Sentinel Control



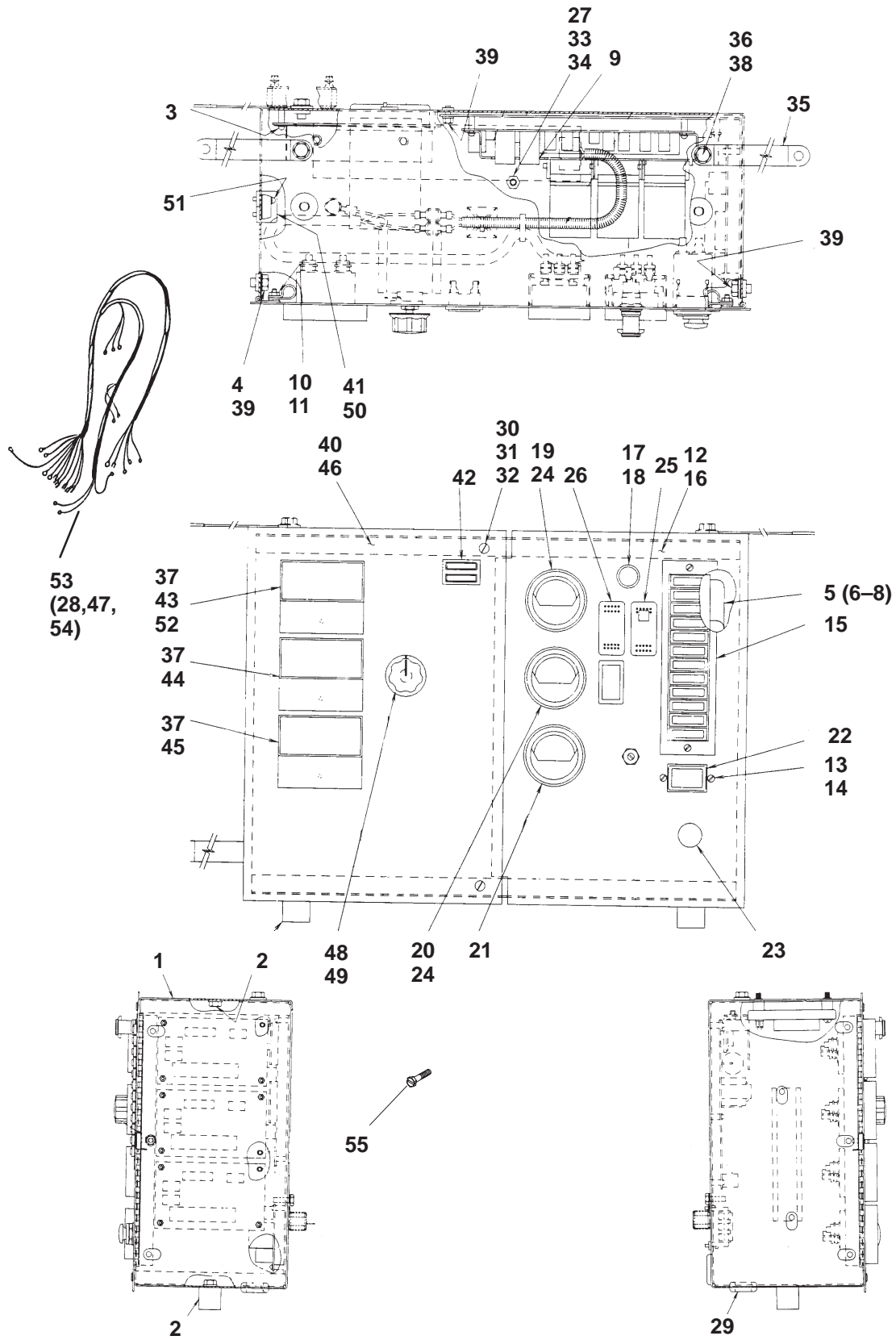
H562

Sentinel Control

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-2991	1	Wrapper, Control	22	302-1968	1	Meter, Hz/RPM
2	319-2989	1	Panel, Control	23	308-1052	1	Switch, Rotary (Volt & Ammeter)
3	308-1011	1	Switch, Rocker	24	338-3391	1	Harness, Wiring – Meters (Includes Parts Marked *)
4	307-2871	1	Relay, Timer	25	332-0804	9	* Terminal, Ring
5	307-2677-03	1	Relay (20 Amp, 250 VAC)	26	332-1992	2	* Socket, Contact
6	332-2877	2	Tie, Cable	27	323-1644-02	1	* Housing, Cap
7	821-6002-03	3	Screw, Hex Head (M6 x 16)	28	332-2630	11	* Terminal, Spade
8	870-0183	9	Nut, Lock – Acorn (#6-32)	29	332-0897	1	* Terminal, Ring
9	402-0527	4	Isolator, Vibration	30	323-1648	8	* Pin, Contact
10	821-0014	4	Screw, Self-Locking – Hex Washer Head (5/16-18 x .50)	31	332-2468	2	* Terminal, Faston
11	815-0388	4	Screw, Cross Recessed – Thread Cutting (#6-32 x 1/2)	32	332-1990	2	* Socket, Contact
12	337-0049	1	Strap, Bond	33	870-1220	4	Nut – W/ET (#4-40)
13	332-2974	1	Terminal, Spade	34	870-0439	4	Nut, Acorn (1/4-28)
14	321-0175	1	Holder, Fuse	35	815-0875-02	3	Screw, Machine – Round Head (M4 x 8)
15	321-0353	1	Fuse (20 Amp)	36			Breaker, Circuit
16	526-0018	1	Washer, Flat (5/16)		320-1941	1	2 Pin
17	856-0008	1	Washer, Lock – EIT (5/16)		320-1824-02	1	4 Pin (With Auxiliary Contacts)
18	508-0305-02	–	Edging – Bulk (Order By The Foot – 1 Foot Required)				
19	856-0003	2	Washer, Lock – ET (5/16)				
20	302-2002	1	Meter, Hour				
21			Voltmeter, AC				
	302-1148	1	0-300/0-600 (600 Volt)				
	302-1753	1	0-750 (All except 600 Volt)				

* – Parts Included in Wiring Harness 338-3391

Detector Control



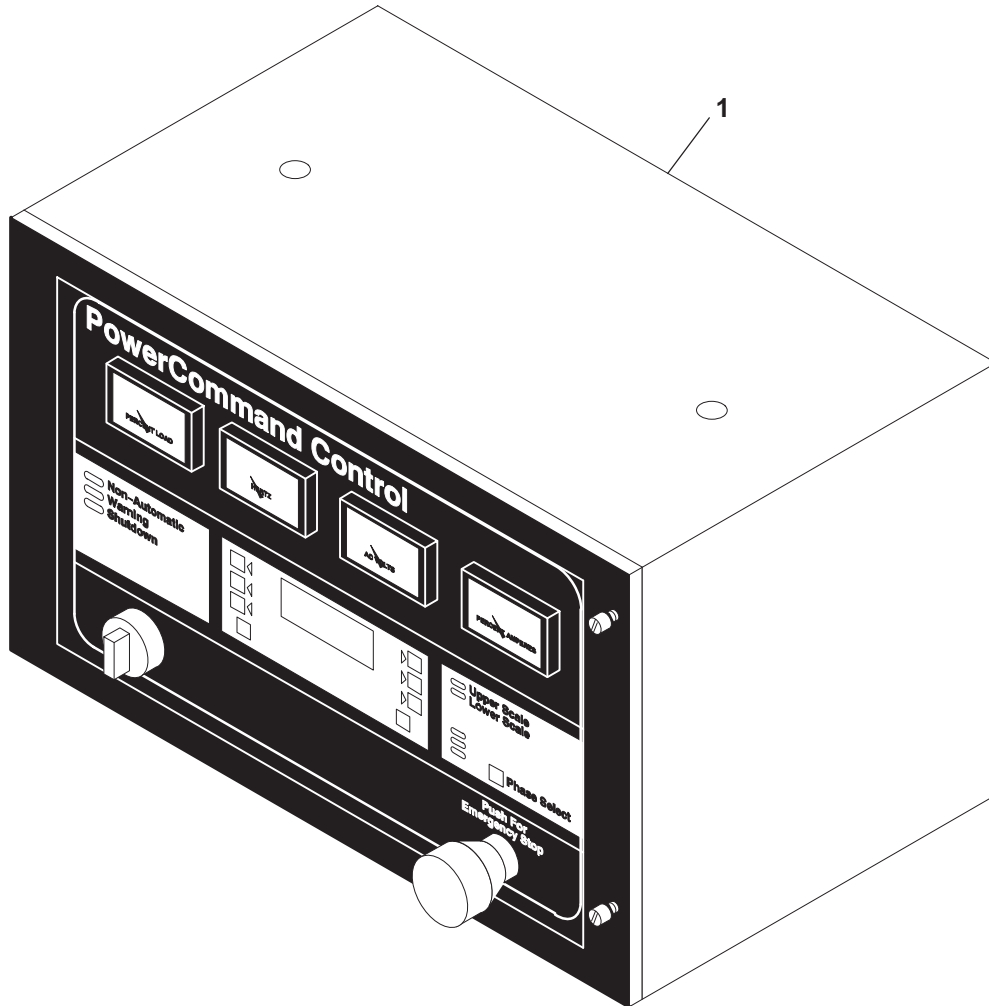
Detector Control

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

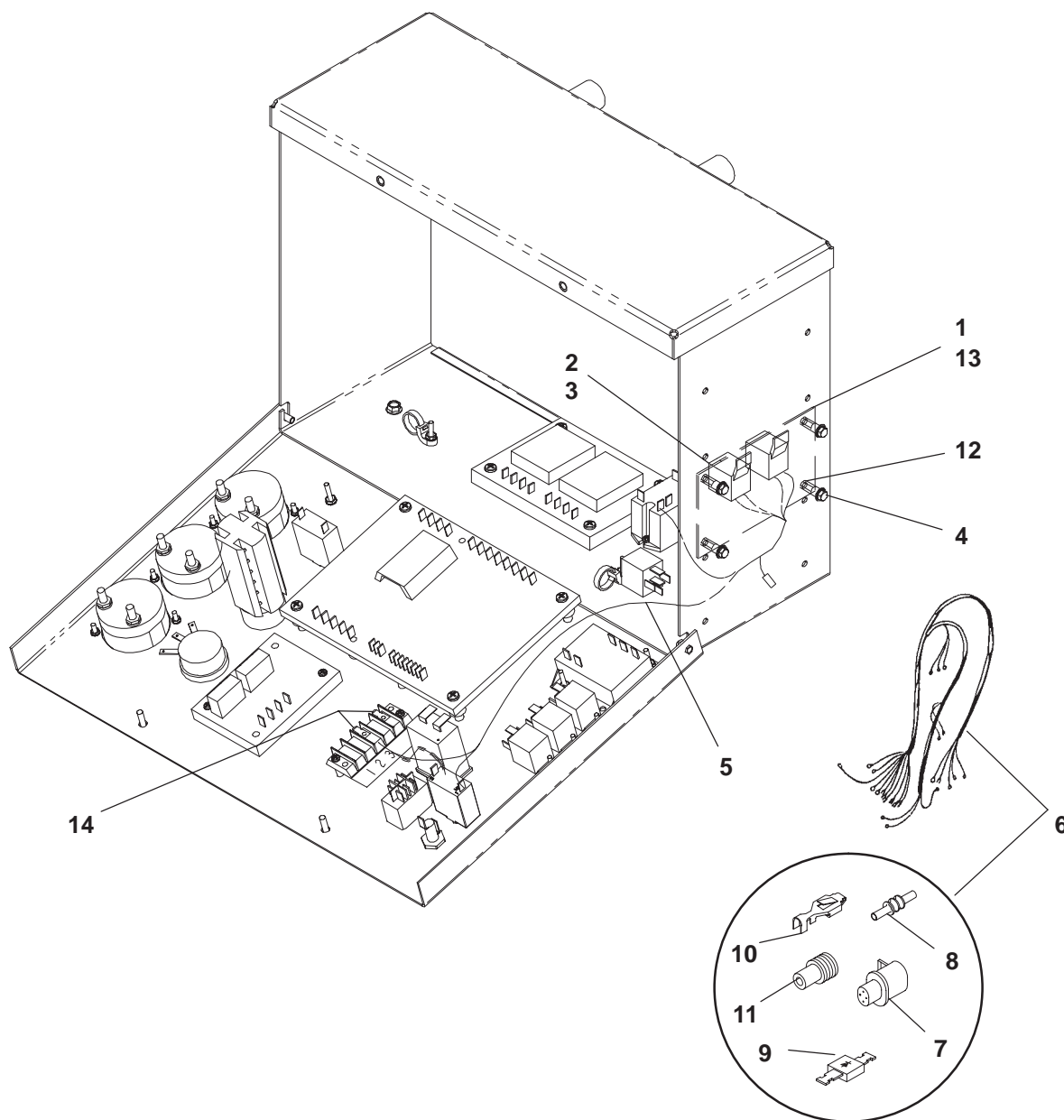
PowerCommand Control



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	—	1	Control, PowerCommand

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
Note: For PowerCommand Control service replacement parts, order PowerCommand Control for Generator Sets parts catalog number 960-0205.			

Dry Contact **DGBB Spec F, DGCA and DGCB Spec N**

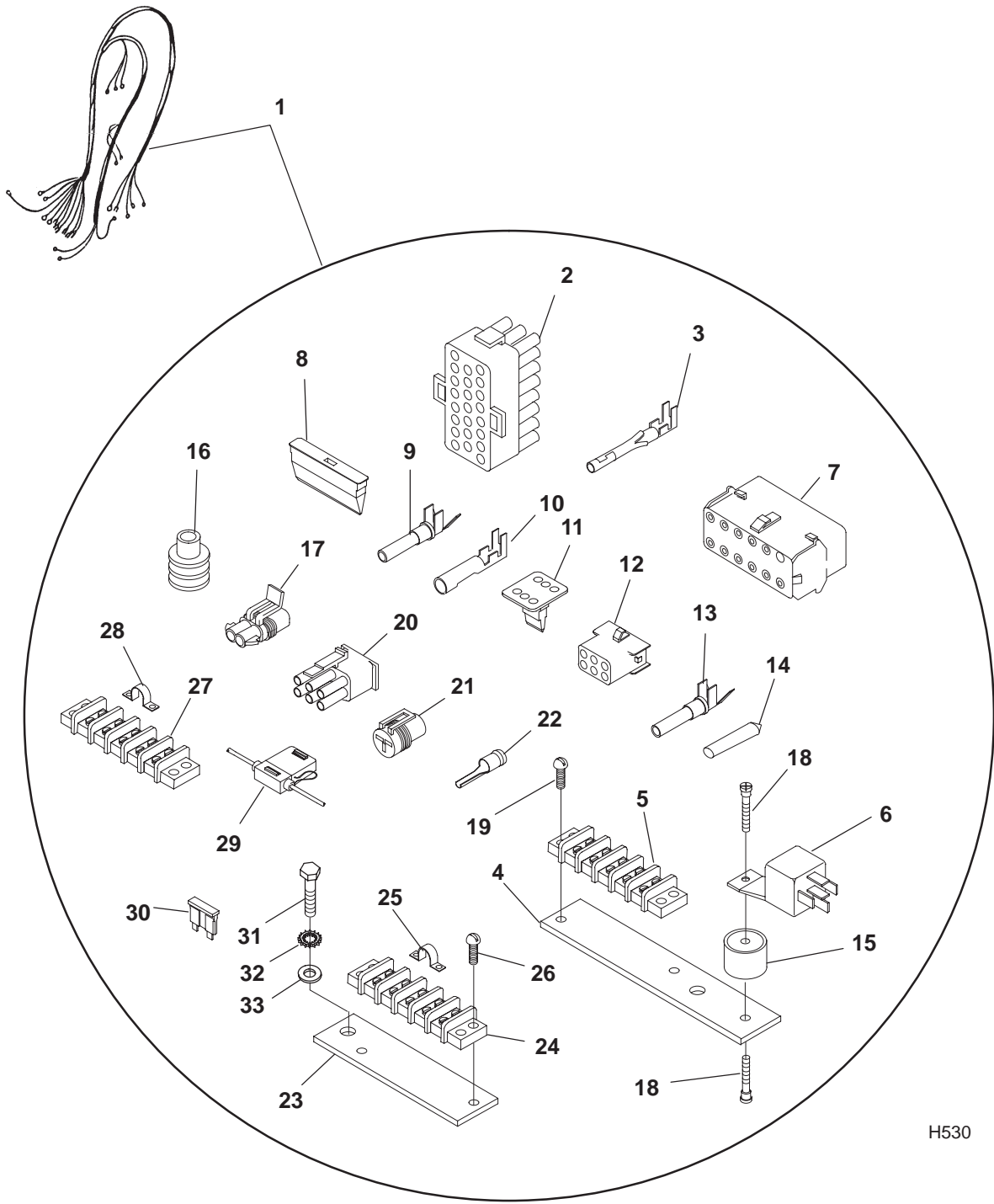


H568

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3601-02	1	Panel, Relay	8	323-1712	A/R	# Plug, Cavity
2	307-2817-01	2	Relay (K8, K9)	9	357-0030	2	# Rectifier – 6 Amp
3	821-6001-02	2	Screw, Hex Head (M5 x 12)	10	323-1709	A/R	# Socket, Contact (Used in S7)
4	821-5000-05	4	Screw, Cap – Hex Head (#10-32 x 1/2")	11	323-1708	A/R	# Seal, Cable
5	338-3731	1	Harness, Wiring – Control	12	870-2204	4	Standoff, Hex (#10-32)
6	338-3744	1	Harness, Wiring – Dry Contact (Includes Parts Marked #)	13	870-0131	4	Nut, Hex – W/ET (#10-32)
7	323-1765	1	# Housing, Connector (4 Pin)	14	332-0527	2	Terminal, Tab – 250

– Parts Included in 338-3744 Wiring Harness

Engine Wiring Harness
Generator Sets With PowerCommand Control
DGBB Spec D, E, DGBC Spec C, D, DGCA and DGCB Spec L, M

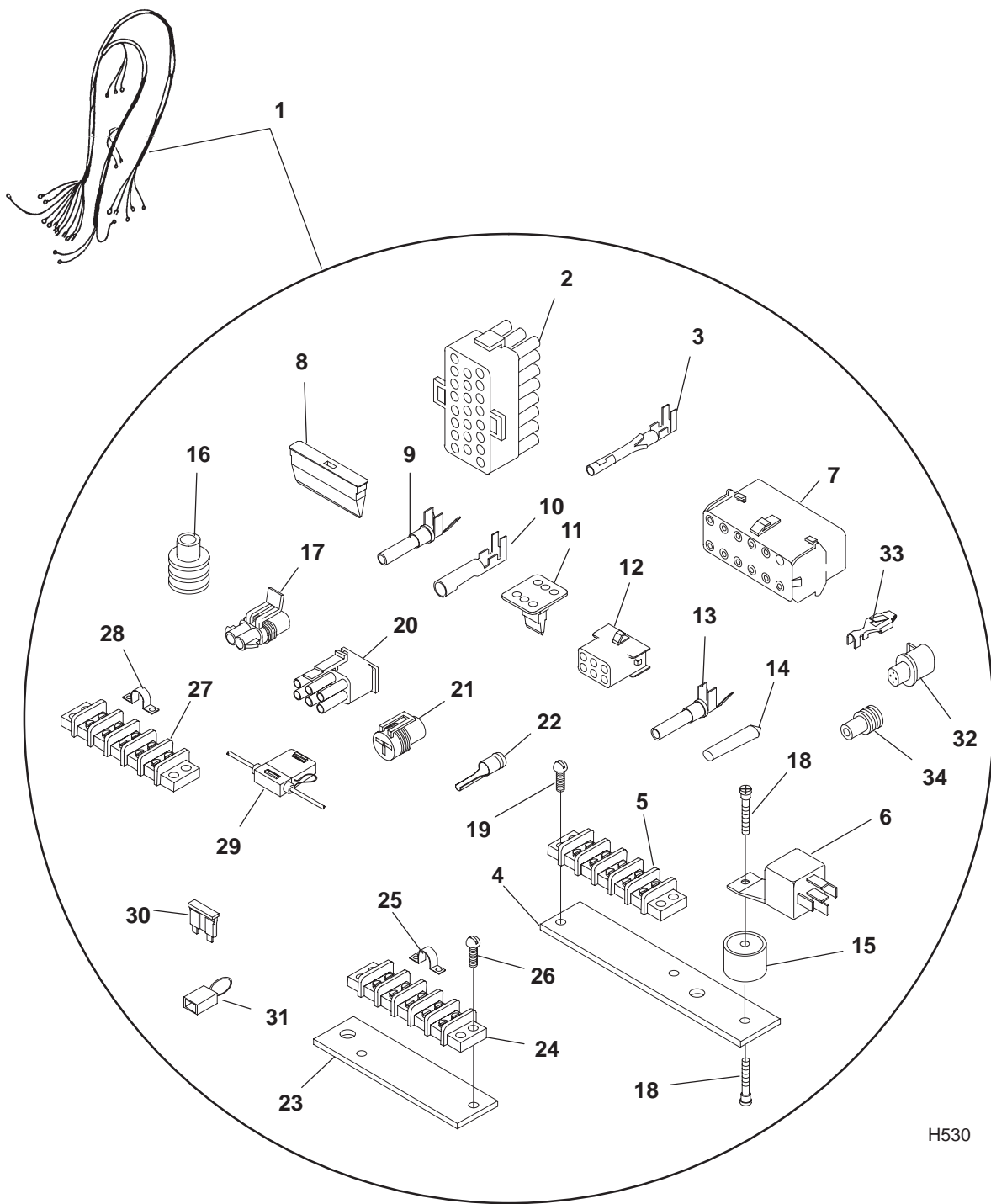


H530

Engine Wiring Harness
Generator Sets With PowerCommand Control
DGBB Spec D, E, DGBC Spec C, D, DGCA and DGCB Spec L, M

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-3562	1	Harness, Wiring – Engine To Control – Generator Sets With PowerCommand Control (Includes Parts Listed Below)	18	815-0839	2	Screw, Fillister Head – Cross Recessed W/ET (#10-32 x 3/8")
2			Plug, Connector (23 Place)	19	815-0538	2	Screw, Machine – Round Head – Cross Recessed W/IT (#8-32 x 1/2")
	323-1605-03	1	Colored Grey (P5)	20	323-1643-01	1	Plug, Connector (6 Place) (P10)
	323-1605-02	2	Colored Natural (P4, P6)	21	323-1666	1	Socket, Connector (3 Place) (E1)
3	323-1614-01	50	Socket, Contact (Used In P4, P5, P6)	22	332-3496	2	Pin, Terminal (Used In TB1)
4	319-3180	1	Bracket, Mounting	23			Bracket, Mounting – Terminal
5	332-0604	1	Block, Terminal (5 Place) (TB-BAT)		319-2006-01	1	Marked "26" (T26)
6	307-2817-01	1	Relay (K4)		319-2006-02	1	Marked "GND" (GND-ENG)
7	323-1580	1	Housing, Connector (12 Place) (J12)	24	332-0604	2	Block, Terminal (5 Place)
8	323-1581	1	Wedge (Used In J12)	25	332-1043	8	Jumper
9	323-1491	6	Pin, Contact (Used In J12)	26	815-0538	4	Screw, Machine – Round Head – Cross Recessed W/IT (#8-32 x 1/2")
10	323-1648	5	Socket, Contact (Used In P10)	27	332-0604	1	Block, Terminal (5 Place) (Used On B1)
11	323-1624	1	Wedge (Used In P7)	28	332-1043	3	Jumper
12	323-1623	1	Plug, Connector (6 Place) (P7)	29	321-0349	1	Holder, Fuse
13	323-1492	6	Socket, Contact (Used In P7)	30	321-0307-07	1	Fuse – 20 Amp (Colored Yellow)
14	323-1615	1	Plug (Used On P4, P5, P6) (Quantity Used As Required)	31	800-0071	1	Screw, Cap – Hex Head (7/16-14 x 1")
15	402-0510	1	Isolator, Vibration	32	856-0012	1	Washer, Lock – EIT (7/16")
16	323-1445	4	Seal (Used On E2, E4)	33	526-0032	1	Washer, Flat (7/16")
17	323-1540	2	Socket, Connector (2 Place) (E2, E4)				

Engine Wiring Harness
Generator Sets With PowerCommand Control
DGBB Spec F, DGBC Spec E, DGCA and DGCB Spec N

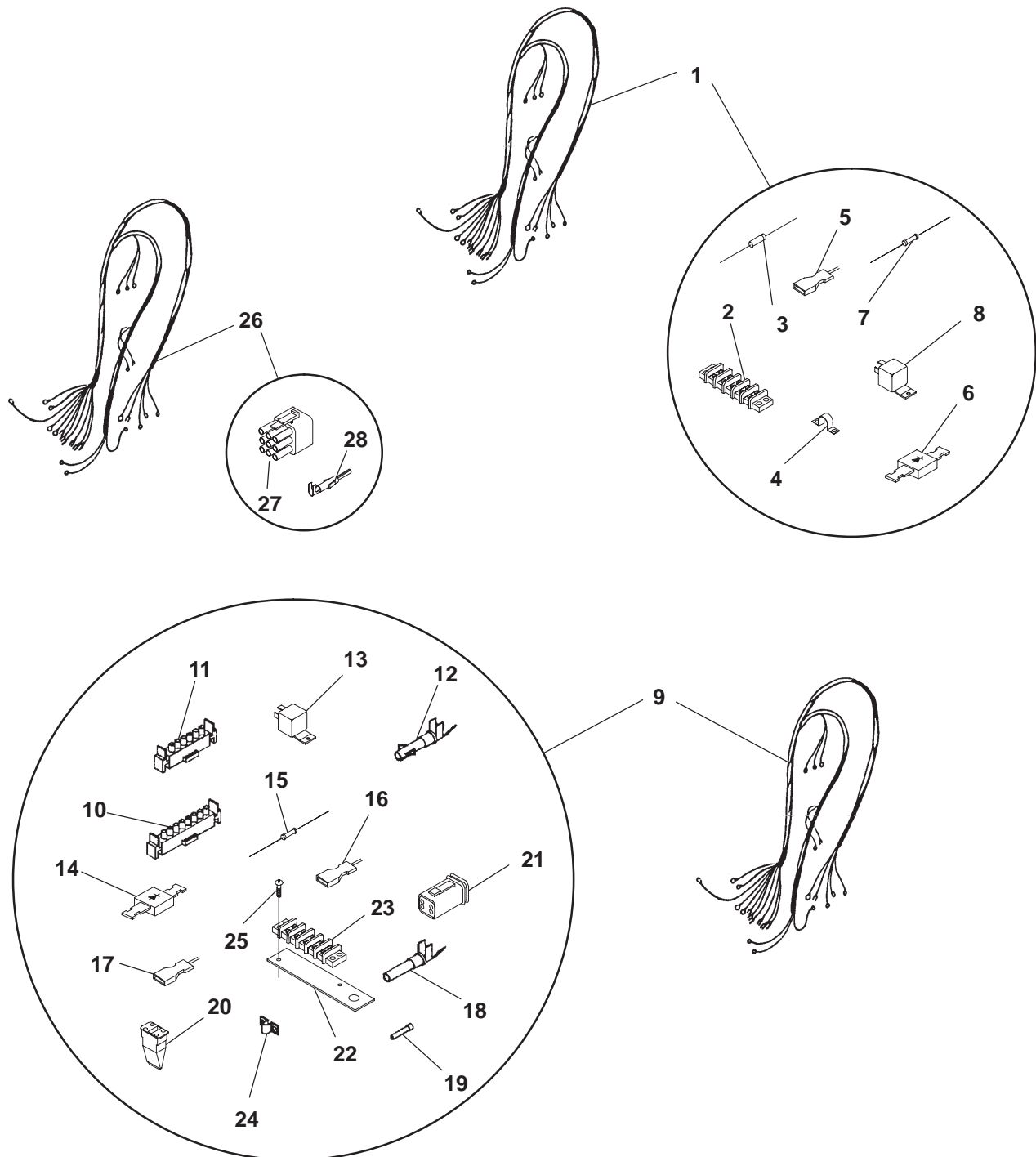


H530

Engine Wiring Harness
Generator Sets With PowerCommand Control
DGBB Spec F, DGBC Spec E, DGCA and DGCB Spec N

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-3753	1	Harness, Wiring – Engine To Control – Generator Sets With PowerCommand Control (Includes Parts Listed Below)	21	323-1666	1	Socket, Connector (3 Place) (E1)
2			Plug, Connector (23 Place)	22	332-3496	2	Pin, Terminal (Used In TB1)
	323-1605-03	1	Colored Grey (P5)	23			Bracket, Mounting – Terminal Marked "26" (T26)
	323-1605-02	2	Colored Natural (P4, P6)		319-2006-01	1	Marked "GND" (GND-ENG)
3	323-1614-01	50	Socket, Contact (Used In P4, P5, P6)	24	332-0604	1	Block, Terminal (5 Place)
4	319-3180	1	Bracket, Mounting	25	332-1043	4	Jumper
5	332-0604	1	Block, Terminal (5 Place) (TB-BAT)	26	815-0538	2	Screw, Machine – Round Head – Cross Recessed W/IT (#8-32 x 1/2")
6	307-2817-01	1	Relay (K4)	27	332-0604	1	Block, Terminal (5 Place) (Used On B1)
7	323-1580	1	Housing, Connector (12 Place) (J12)	28	332-1043	3	Jumper
8	323-1581	1	Wedge (Used In J12)	29	321-0349	1	Holder, Fuse
9	323-1491	6	Pin, Contact (Used In J12)	30	321-0307-07	1	Fuse – 20 Amp (Colored Yellow)
10	323-1648	5	Socket, Contact (Used In P10)	31	338-3285	1	Harness Assembly, Jumper (Includes Parts Indented Below)
11	323-1624	1	Wedge (Used In P7)				Socket, Connector (2 Place)
12	323-1623	1	Plug, Connector (6 Place) (P7)		323-1652	1	Seal
13	323-1492	6	Socket, Contact (Used In P7)		323-1445	2	Pin, Contact
14	323-1615	1	Plug (Used On P4, P5, P6) (Quantity Used As Required)		323-1718	2	Housing, Connector (4 Pin)
15	402-0510	1	Isolator, Vibration	32	323-1765	1	Socket, Contact
16	323-1445	3	Seal (Used On E2, E4, E6)	33	323-1709	4	Seal, Cable
17	323-1540	2	Socket, Connector (2 Place) (E2, E4)	34	323-1708	4	
18	815-0839	2	Screw, Fillister Head – Cross Recessed W/ET (#10-32 x 3/8")				
19	815-0538	2	Screw, Machine – Round Head – Cross Recessed W/IT (#8-32 x 1/2")				
20	323-1643-01	1	Plug, Connector (6 Place) (P10)				

Engine Wiring Harness **Generator Sets With Detector Control or Sentinel Control**



H562,559,560

Engine Wiring Harness

Generator Sets With Detector Control or Sentinel Control

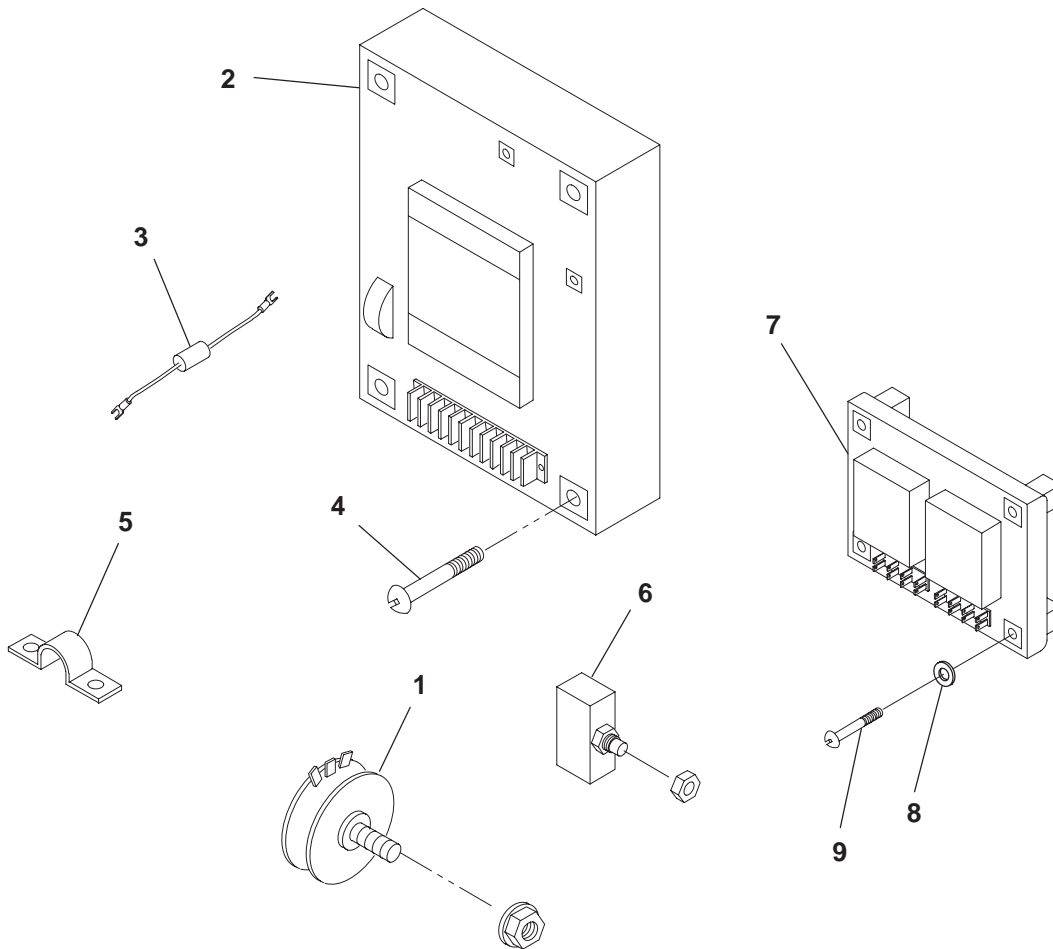
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-3390	1	Harness, Wiring – Engine to Control (Sentinel Control) (Includes Parts Marked *)	18	332-1492	3	# Socket, Contact (Used on E1)
2	332-0604	1	* Block, Terminal (TB)	19	323-1591	1	# Plug, Connector (E1)
3	359-0115	1	* Diode (CR1)	20	323-1548	1	# Wedge, Plug (4 Pin)
4	332-1043	1	* Jumper	21	323-1546	1	# Plug (4 Pin)
5	332-1995	4	* Socket, Contact	22	319-2006-01	1	# Bracket, Terminal Mounting
6	357-0030	3	* Rectifier, Silicon (CR4)	23	332-0604	1	# Block, Terminal (T26)
7	351-1599-42	1	* Resistor (24Ω) (R1)	24	332-1043	4	# Jumper (T26)
8	307-2817-01	4	* Relay (K14)	25	815-0538	2	# Screw, Machine – Round Head – Cross Recessed W/IT (8-32 x .50)
9	338-3380	1	Harness, Wiring – Engine to Control (Detector Control) (Includes Parts Marked #)	26			Harness, Wiring – AC Auxiliary (Includes Parts Marked +)
10	323-1306	1	# Housing, Connector – 8 Place (J1)		338-3405	1	600 Volts
11	323-1304	1	# Housing, Connector – 6 Place (J2)		338-3403	1	Less than 600 Volts
12	323-1200	12	# Socket, Contact (Used in J1, J2)	27			+ Connector, Plug (9 Place)
13	307-2817-01	1	# Relay (K4)		323-1644-01	2	600 Volts
14	357-0030	1	# Rectifier, Silicon (CR2)		323-1644-01	1	Less than 600 Volts
15	351-1599-42	1	# Resistor (24Ω) (R1)	28	323-1647	A/R	+ Pin, Contact
16	332-2431	2	# Pin, Contact				
17	332-1995	1	# Socket, Contact (Used on K4)				

* – Parts Included in 338-3390 Wiring Harness

– Parts Included in 338-3380 Wiring Harness

+ – Parts Included in 338-3405 and 338-3403 Wiring Harness

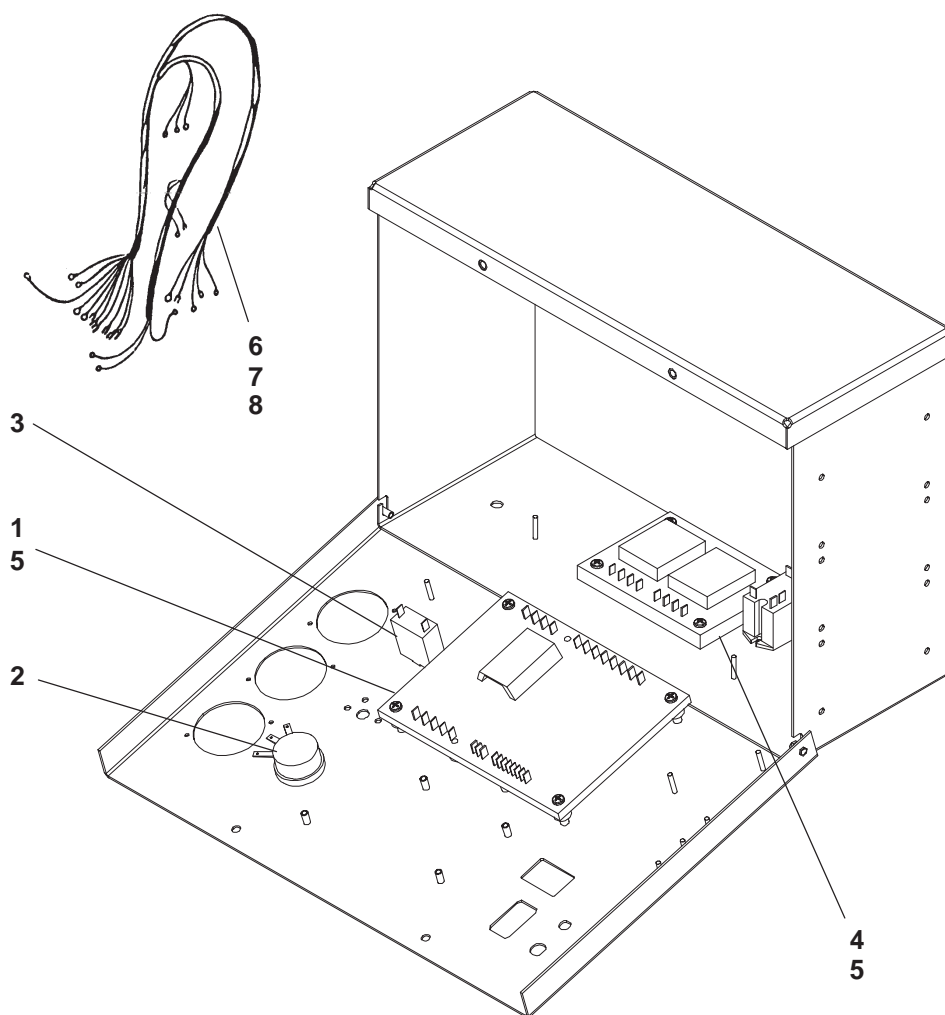
Voltage Regulator (Detector Control)



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	305-0844	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	815-0388	4	Screw, Pan Head – Cross Recessed – Thread Forming (#6-32 x 1/2) (MX321 Regulator Only – Up to 480 Volts)
4	815-0905-08	4	Screw, Cross Recessed (#10-32 x 7/8)				
5	332-1043	11	Jumper				
6	320-1688-01	1	Breaker, Circuit				

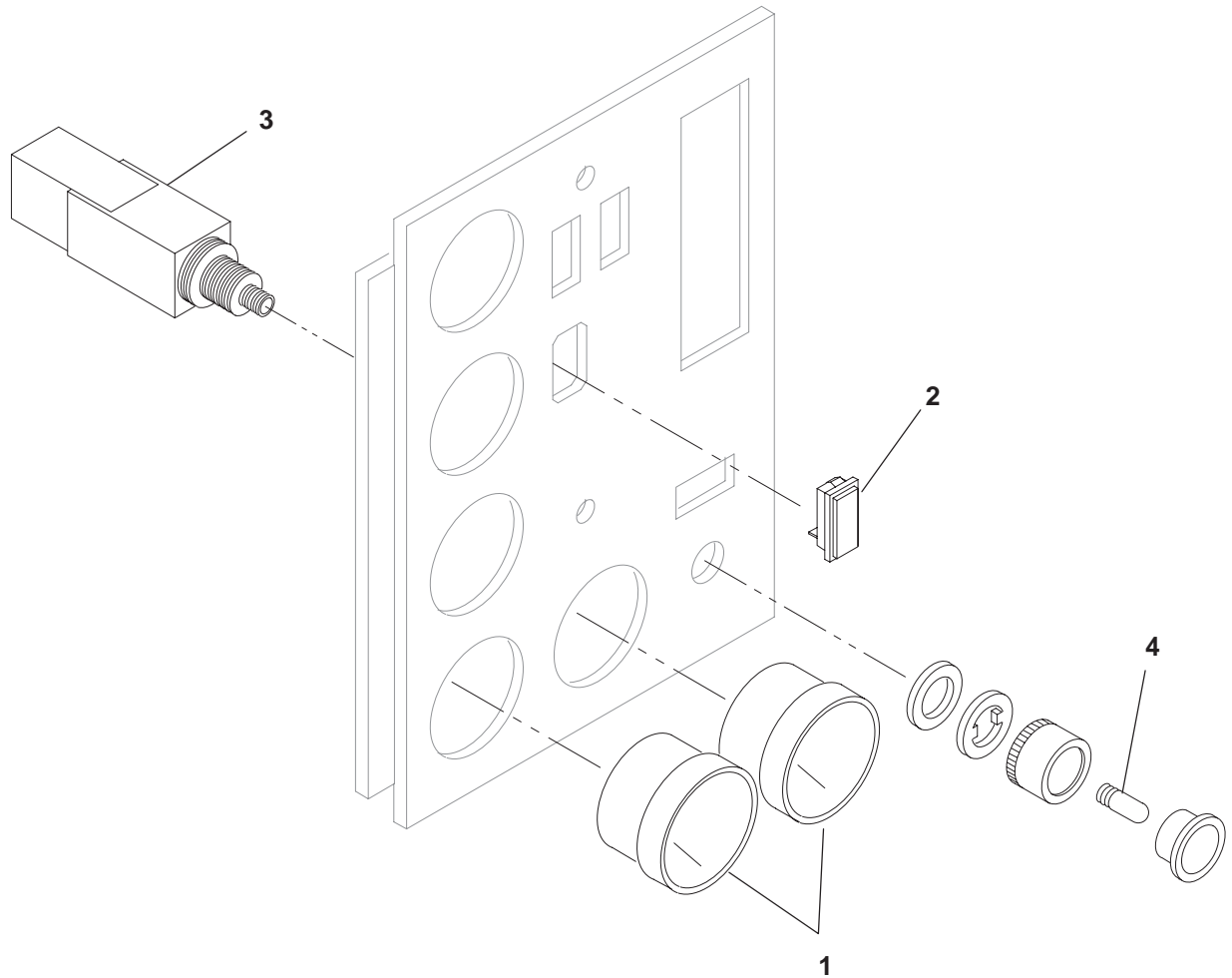
Voltage Regulator (Sentinel Control)



B240,184

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	305-0844	1	Regulator, Voltage SX460	5			Screw, Pan Head – Cross Recessed (#10–32)
	305-0823	1	MX321		815-0905-08	4	SX460 Regulator
2			Potentiometer (Units with Gauges)		815-0905-08	4	MX321 Regulator – 600 Volt W/Meters
	303-0261	1	SX460 Regulator		815-0905-08	8	MX321 Regulator – except 600 Volt W/Meters
	303-0285-01	1	MX321 Regulator				
3	320-1688-01	1	Breaker, Circuit	6	332-1445	A/R	Tie, Cable
4	305-0868	1	Transformer (MX321 Regulator except 600 Volt W/Meters)	7			Terminal, Tab – Adapter
					332-1571	2	SX460 Regulator
					332-1571	2	MX321 Regulator W/Meters
					332-1571	4	MX321 Regulator W/O Meters
				8	338-3395	1	Harness – AC Control (Less than 600 Volt WO/Meters)

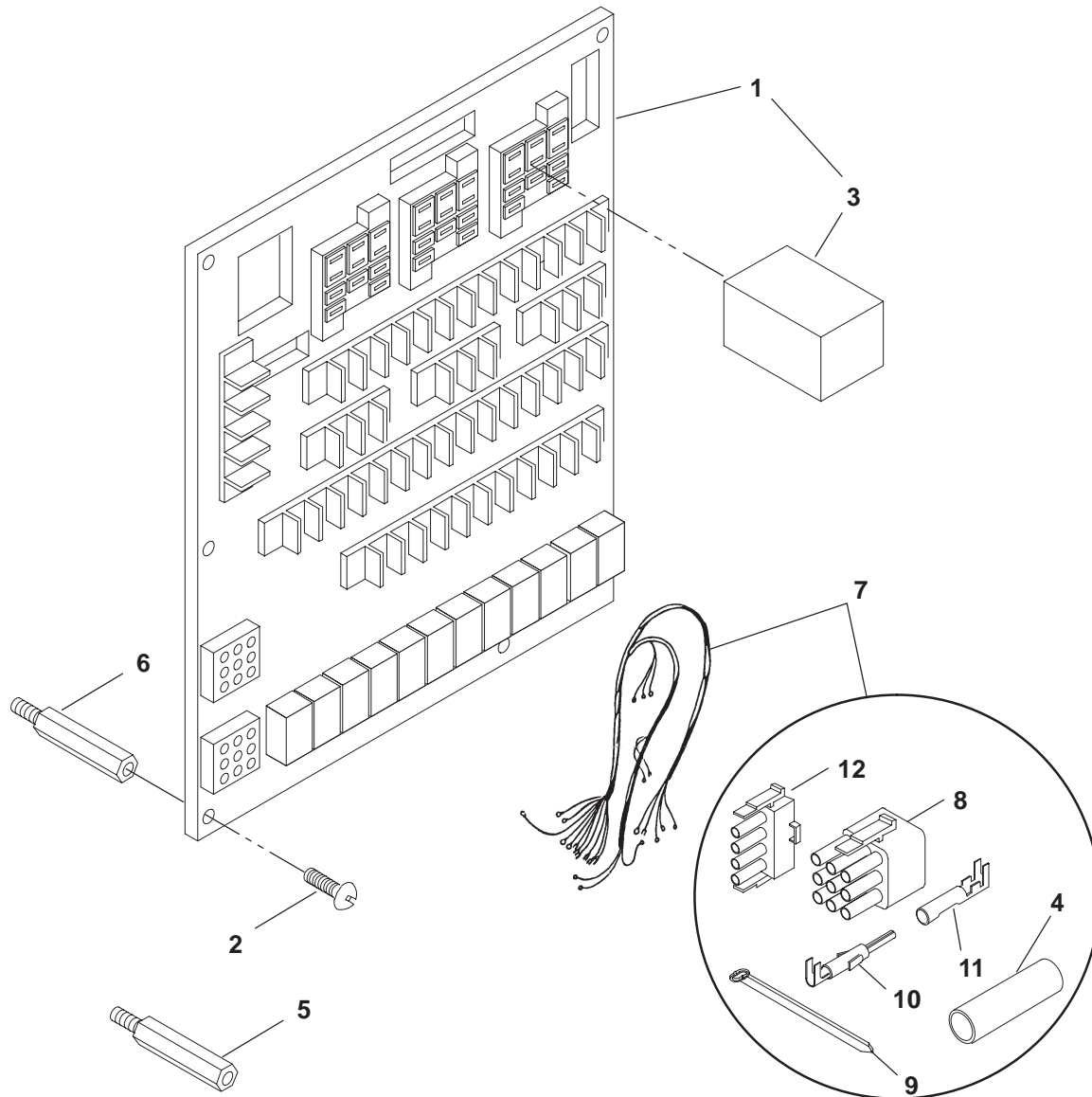
Emergency Stop Switch



KL39

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	302-1723	2	Ammeter – Blank Scale	4	322-0394	1	Bulb, Replacement
2	301-6257	1	Switch – Blank				
3	308-0853	1	Switch, Pushbutton – Emergency Stop (Includes Bulb) (S14)				

Alarm Relay Board

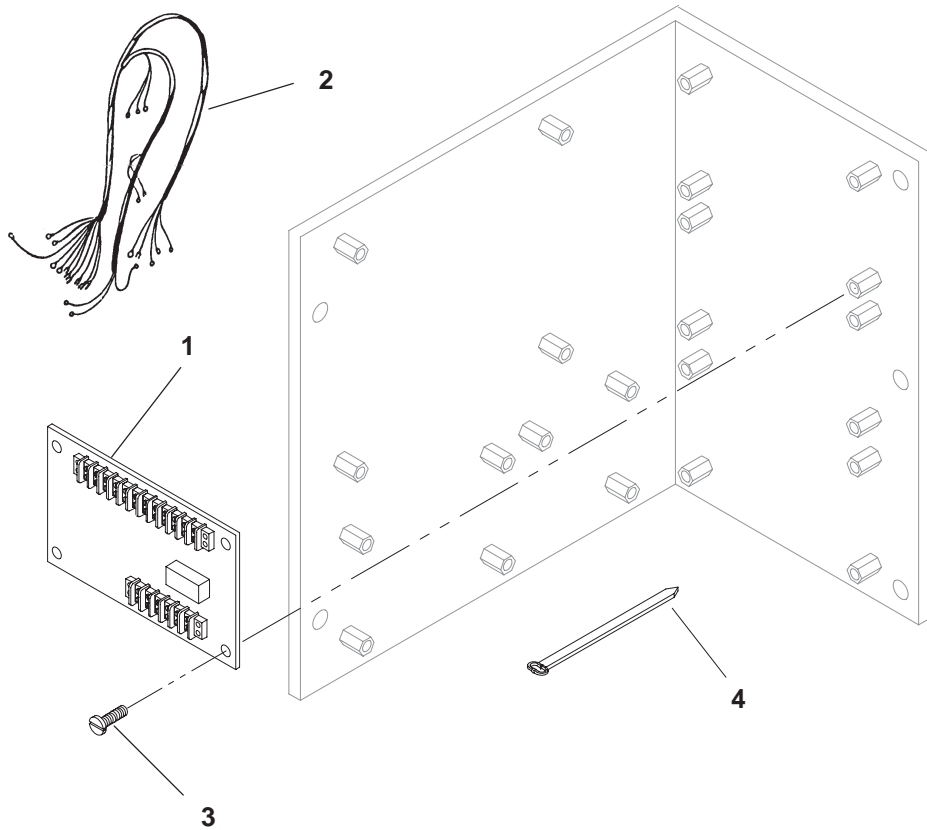


KJ03

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-4111-03	1	Board, PC – Alarm Relay	7	338-2875	1	Harness, Alarm Relay Board (Includes parts marked *)
2	815-0544	6	Screw, Machine – Round Head – Cross Recessed W/IT (#6-32 x .50)	8	323-1291	2	* Plug, 9 Pin
3	307-1058	3	Relay (12 VDC) (K1, K2, K3)	9	332-1445	A/R	* Tie, Cable
4	898-0025	5	* Sleeving (1/2")	10	323-1199	9	* Pin, Contact
5	870-0517-02	2	Standoff – Alarm Board (1.31 lg.)	11	323-1200	12	* Socket, Contact
6	870-0517-01	4	Standoff – Alarm Board (1.25 lg.)	12	323-1292	1	* Plug, 4 Pin

* = Parts includes in 338-2875 Harness Assembly

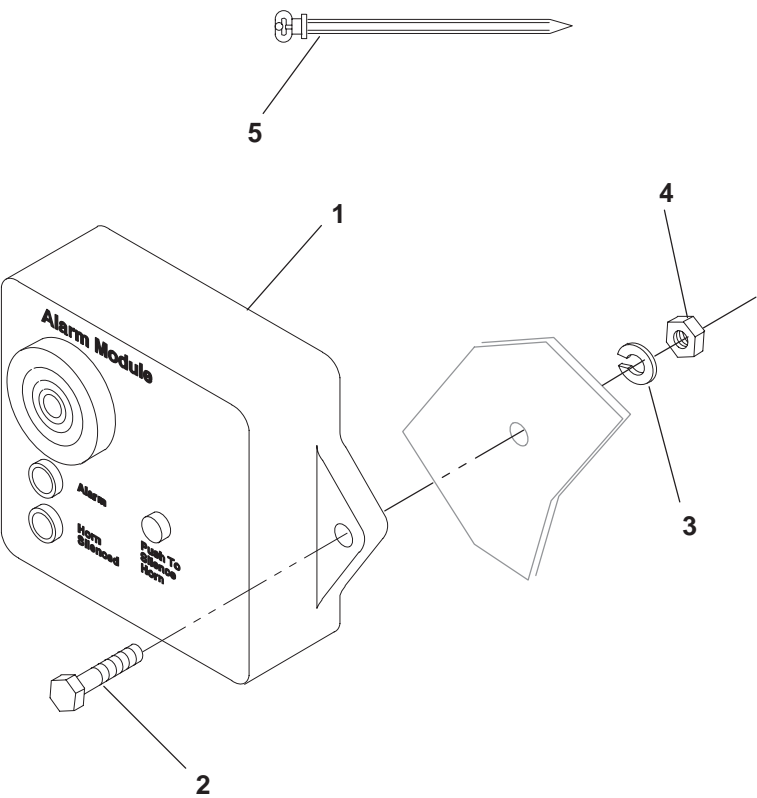
Common Alarm



H560

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-4218-01	1	Board, PC – Diode	4	332-1445	A/R	Tie, Cable
2	338-3033	1	Harness, Common Alarm				
3	812-0063	4	Screw, Machine – Round Head (#6-32 x 1/2)				

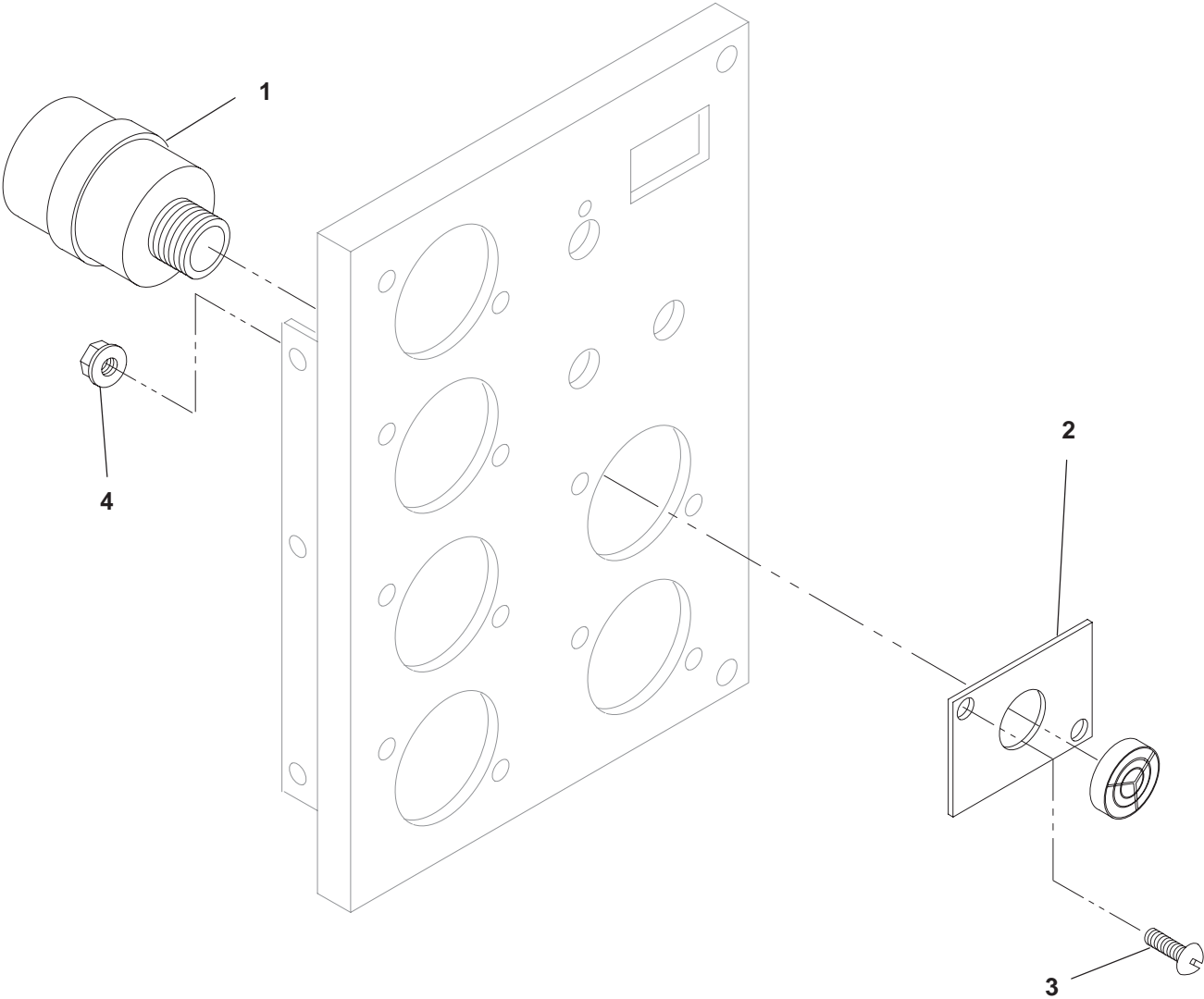
Alarm Module



KA08

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-3998-02	1	Module, Alarm	3	850-0040	2	Washer, Lock (1/4)
2	800-0006	2	Screw, Cap – Hex Head (1/4-20 x 7/8)	4	862-0001	2	Nut, Hex (1/4-20)
				5	332-0942	3	Tie, Cable

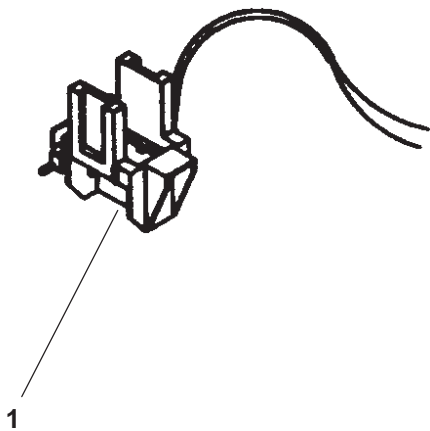
Audible Alarm



KL39

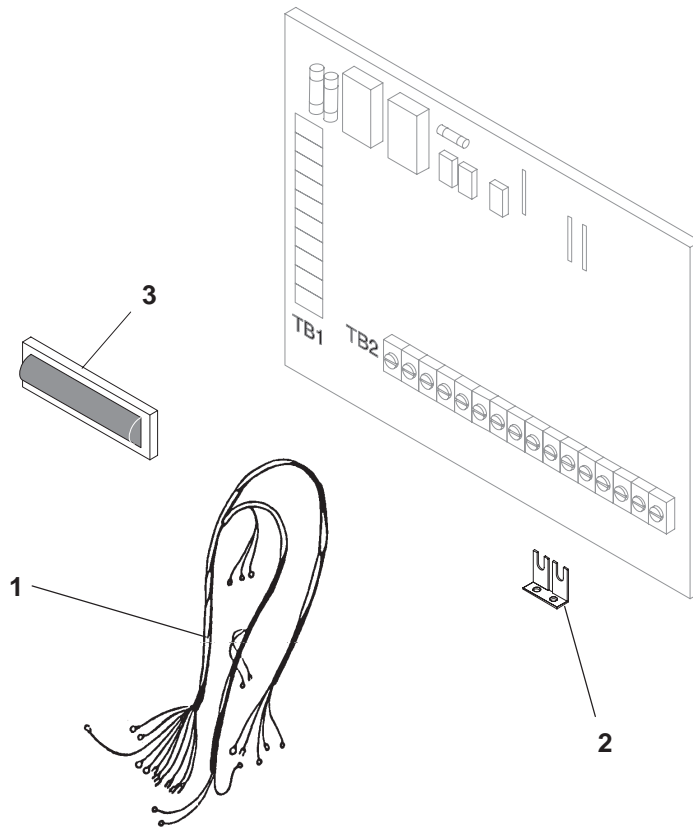
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	333-0133	1	Signal, Audible	4	870-0183	2	Nut, Hex W/ET (#6-32)
2	319-0898	1	Plate, Audible Signal				
3	815-0385	2	Screw, Machine – Round Head (#6-32 x 1/2)				

Bell Alarm
DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	320-1748-12	1	Alarm, Bell				

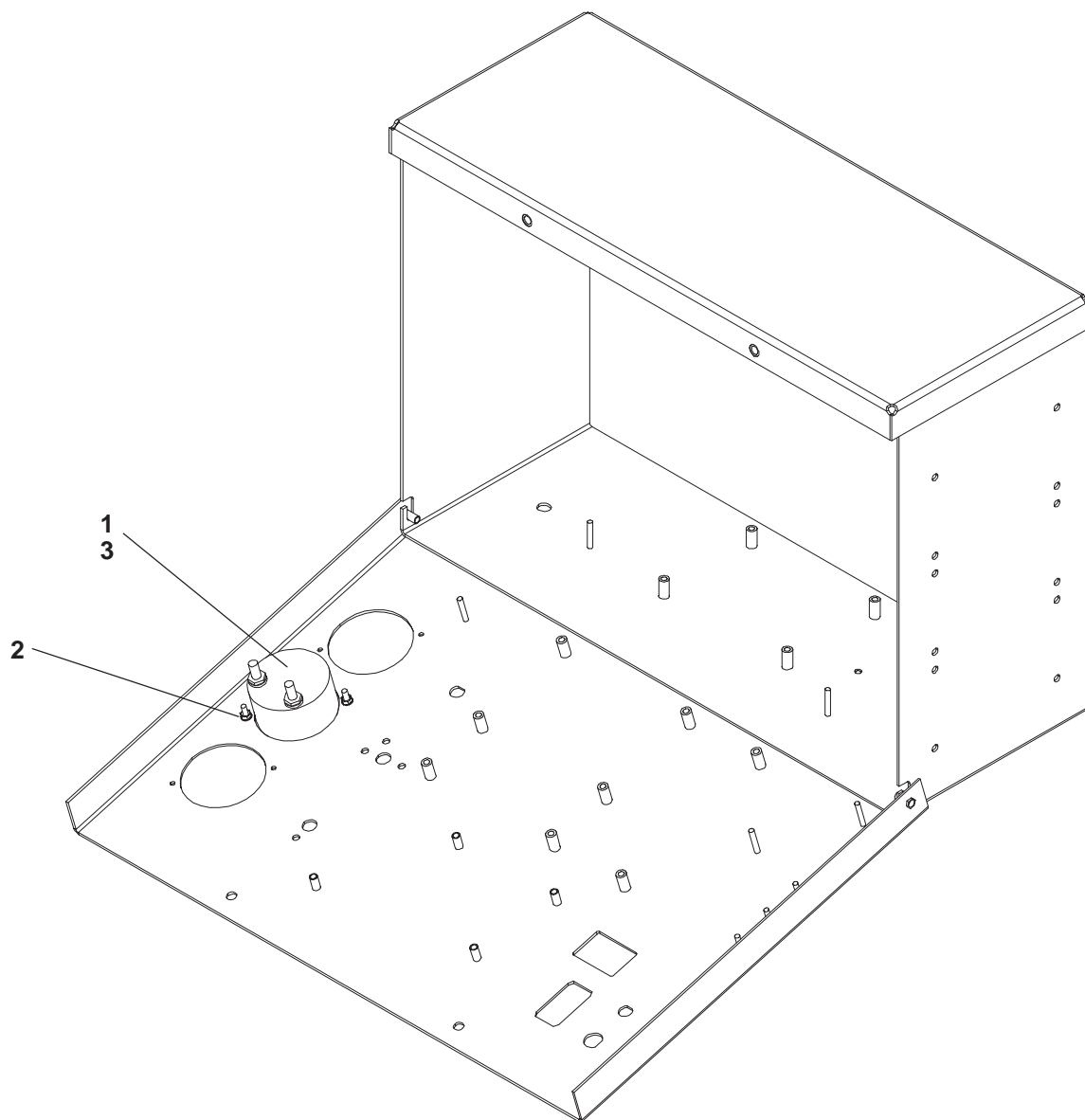
Fuel Alarm **DGBB Spec F, DGCA and DGCB Spec N**



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				

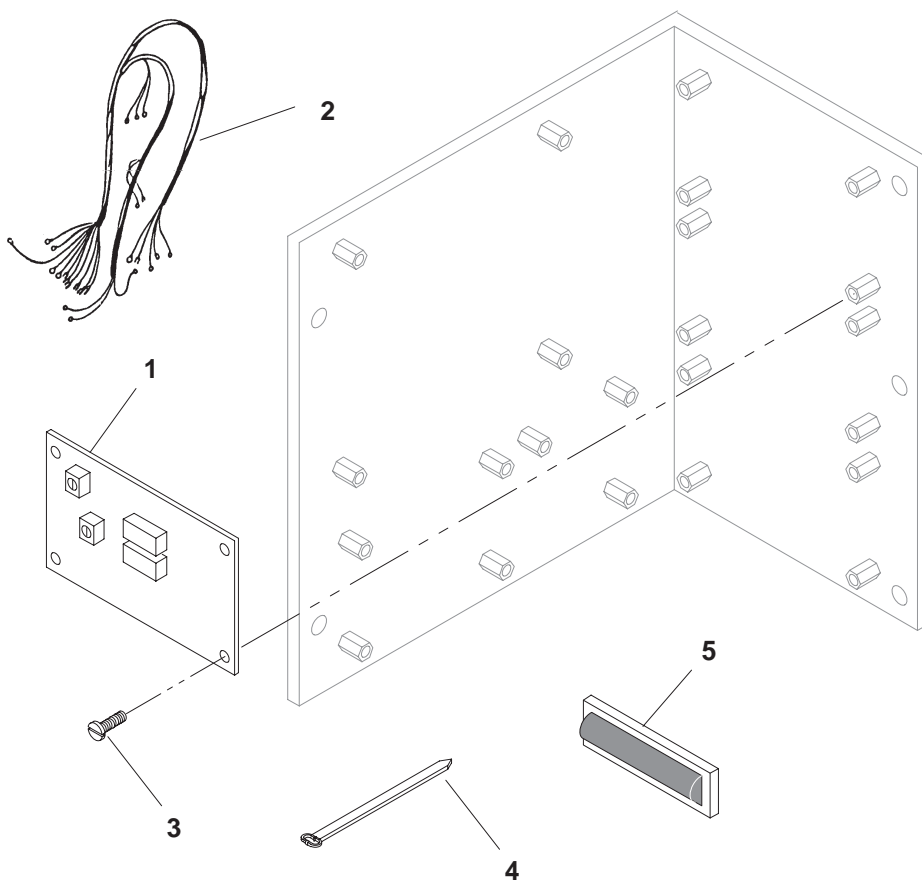
Ammeter



H562

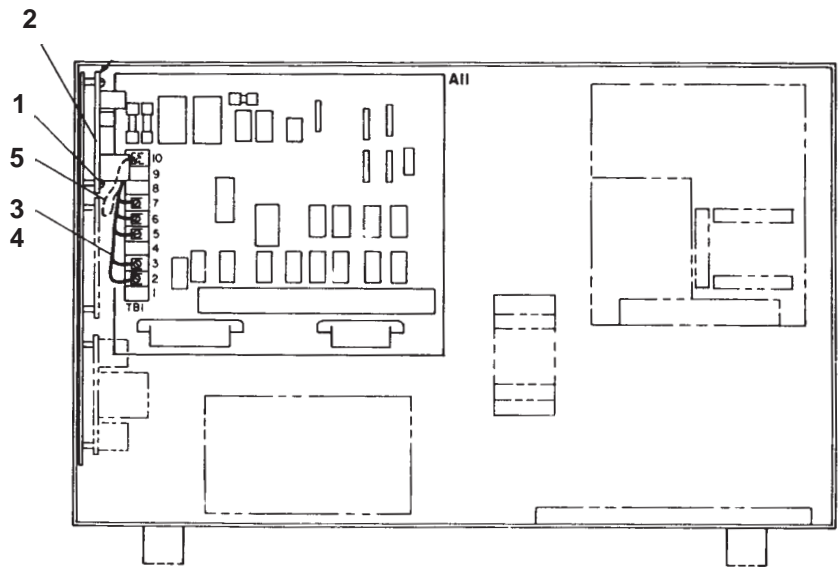
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Ammeter, Dual Scale	2	870-1220	2	Nut, Hex – W/ET (#4-40)
	302-1147	1	0-75/0-150	3	870-0439	2	Nut, Acorn (1/4-28)
	302-1683	1	0-100/0-200				
	302-1684	1	0-150/0-300				
	302-1685	1	0-200/0-400				

**Over/Under Voltage
DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	307-2868	1	Relay, Over/Under Voltage	4	332-1445	A/R	Tie, Cable
2	338-3366	1	Harness, Over/Under Voltage	5	322-0431-03	1	Lamp, Indicating
3	815-0388	4	Screw, Pan Head – Crossed Recessed Thread Forming (6-32 x 1/2)				

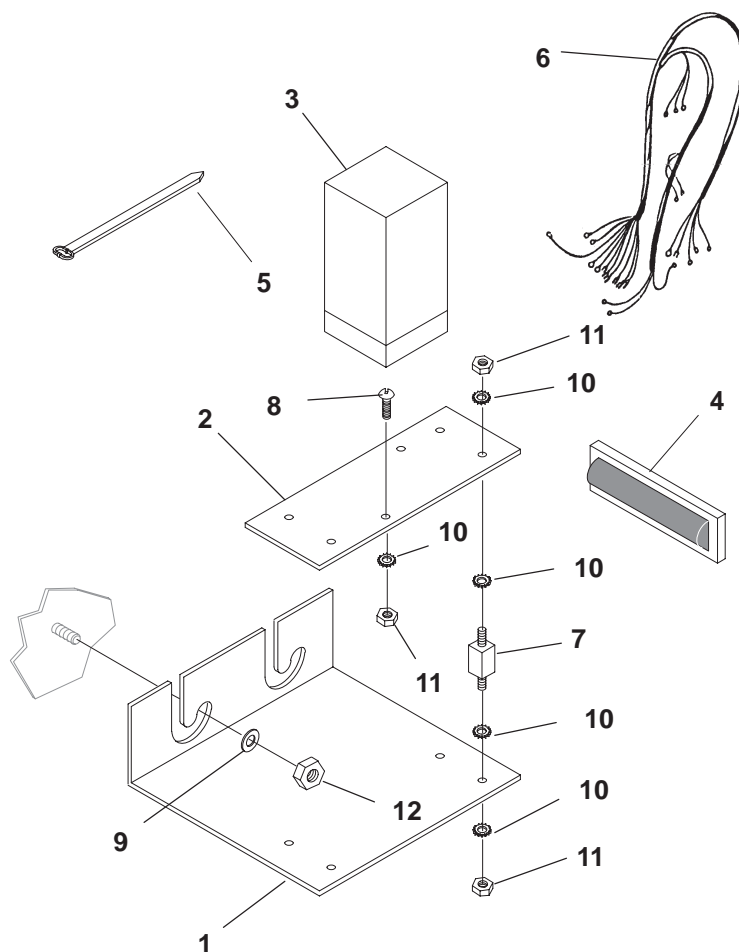
Time Delay Start/Stop



KL39

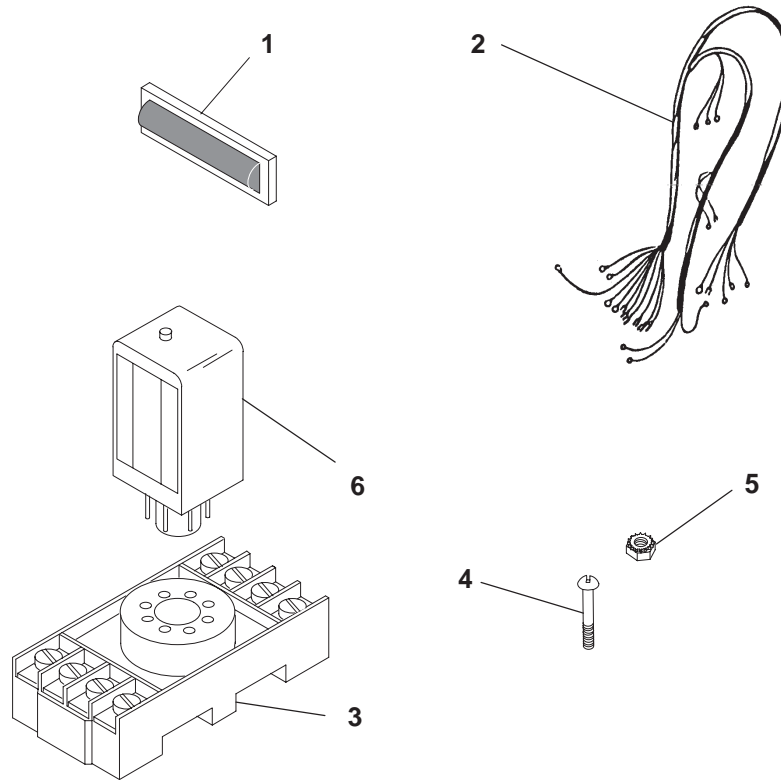
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	815-0544	4	Screw, Machine – Round Head – Cross Recessed W/ IT (#6-32 x 1/2)	3	332-1445	3	Tie, Cable
2	300-2897	1	PCB, Time Delay Start/Stop	4	338-1904	1	Harness, Time Delay Start/ Stop
				5	332-2957	1	Terminal, Tab

Over/Under Frequency Relay
DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	301-6987	1	Bracket	7	402-0354	4	Mount, Shock
2	301-9941	1	Plate, Relay Mounting	8	812-0082	2	Screw, Machine – Round Head (#8-32 x 3/4)
3			Relay, Over/Under Frequency	9	526-0115	2	Washer, Flat (11/32)
	307-2553	1	50 Hertz	10	856-0002	18	Washer, Lock – EIT (M8)
	307-2709	1	60 Hertz	11	860-0008	10	Nut, Hex (#8-32)
4	322-0431-04	1	Lens, Replacement	12	870-0048	2	Nut, Self-Locking (5/16-18)
5	332-0942	3	Tie, Cable				
6	338-2347	1	Harness, Over/Under Frequency				

Low Battery Voltage Sensor

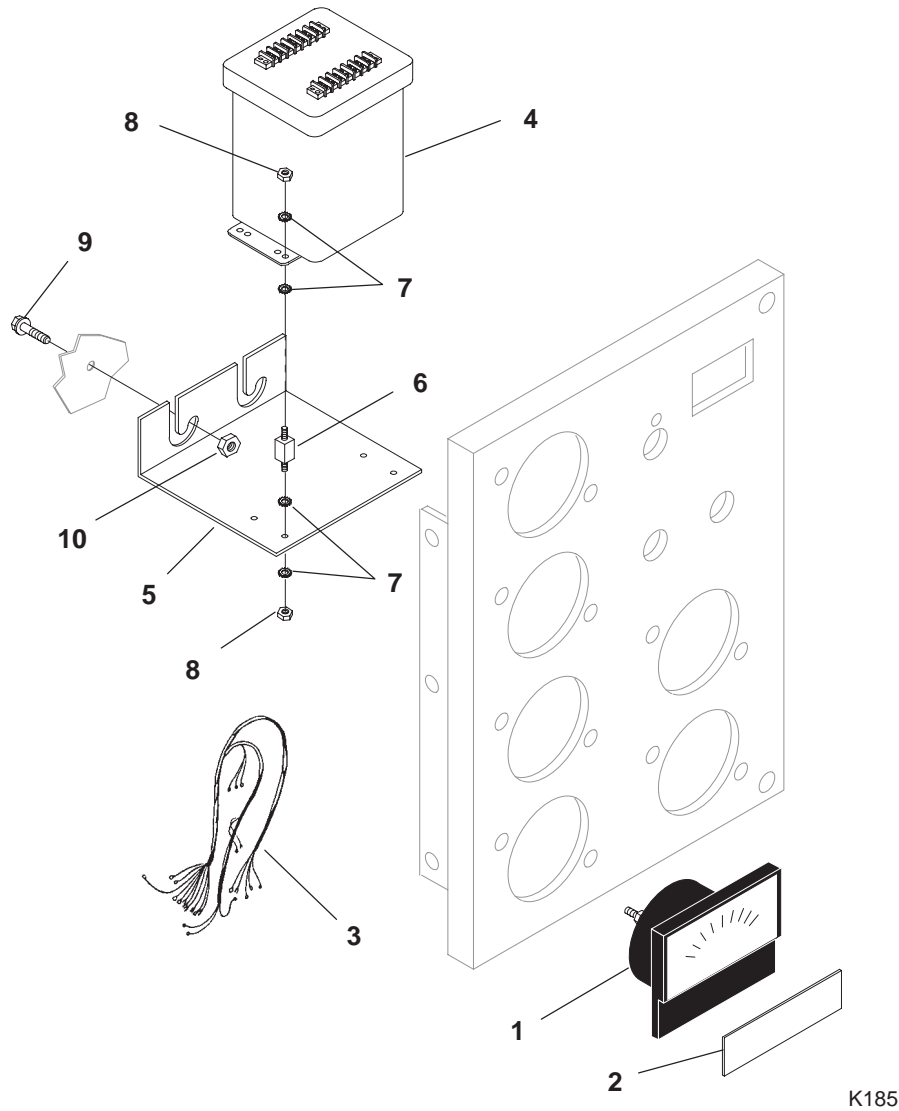


H560,543

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

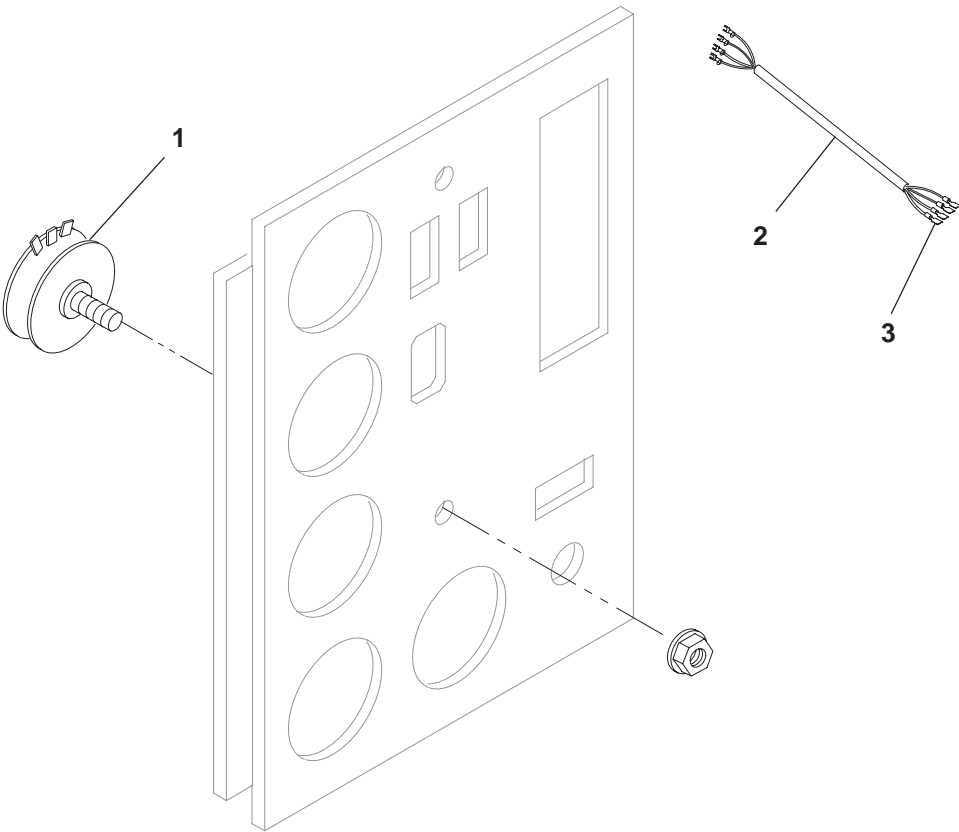
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	812-0084	2	Screw, Machine – Round Head (#8-32 x 1)
5	870-1221	2	Nut, Hex W/ET (#8-32)
6	305-0901	1	Sensor, Low Battery Voltage

Wattmeter **DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L**



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)	4			Transducer, Watts (A21)
2			Dial, Wattmeter	302-1982-09	1		2 Element Watt, Single Phase, 120/240 Volt
	302-1721-01	1	0-35 kW Rating	302-1982-10	1		3 Element Watt, Three Phase, Reconnectable WYE
	302-1721-02	1	0-50 kW Rating	302-1982-11	1		3 Element Watt, Three Phase, 120/240 Volt DELTA
	302-1721-03	1	0-70 kW Rating				
	302-1721-04	1	0-90 kW Rating	5	301-6987	1	Bracket, Mounting
	302-1721-05	1	0-115 kW Rating	6	402-0354	4	Mount, Shock
3			Harness, Wiring	7	856-0002	16	Washer, Lock – W/ET (#8)
	338-3310	1	Single Phase, 120/240 Volt	8	860-0008	8	Nut, Hex (#8-32)
	338-3309	1	Three Phase, 120/240 Volt DELTA and Reconnectable WYE	9	821-0017	2	Screw, Self-Locking – Hex Washer Head (5/16-18 x 1/2")
				10	870-0257	2	Nut, Locking – Hex (5/16-18)

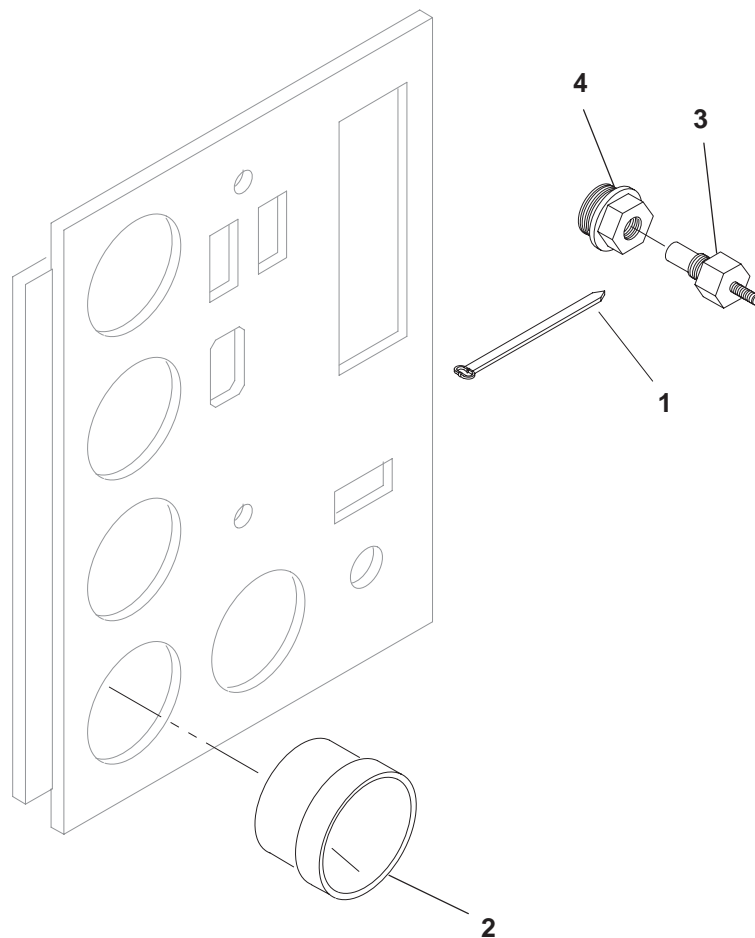
Speed Potentiometer



A068

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	151-0402	1	Potentiometer, Speed	3	332-2630	4	Terminal, Spade
2	334-0116	-	Cable, Shielded - Bulk (Order By The Foot - 7 Feet Required)				

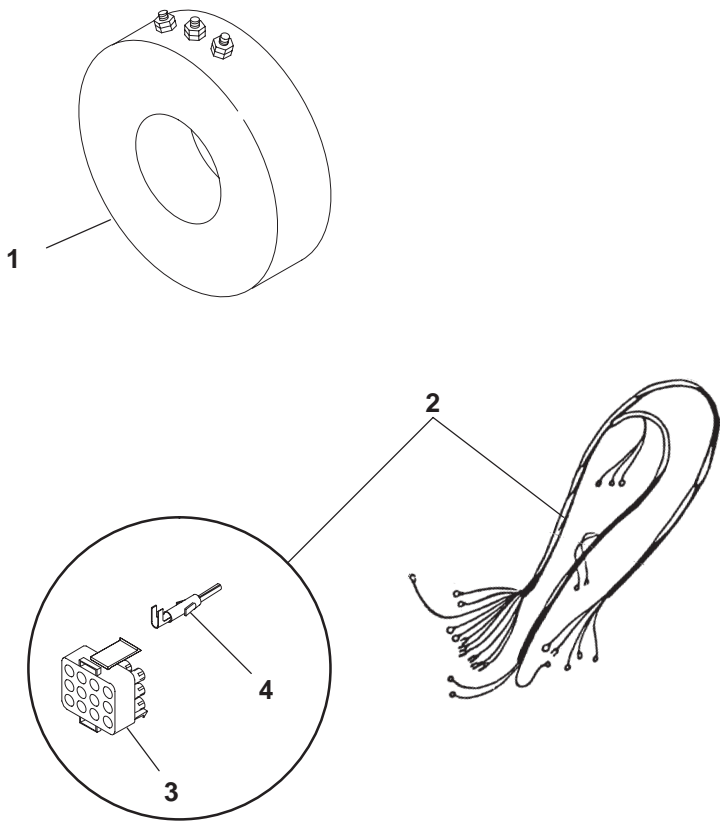
Oil Temperature Gauge
DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L



K486

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-1445	2	Tie, Cable	3	193-0388	1	Sender, Temperature
2	193-0435	1	Gauge, Oil Temperature	4	505-1373	1	Bushing, Reducer – Modified

Current Transformer

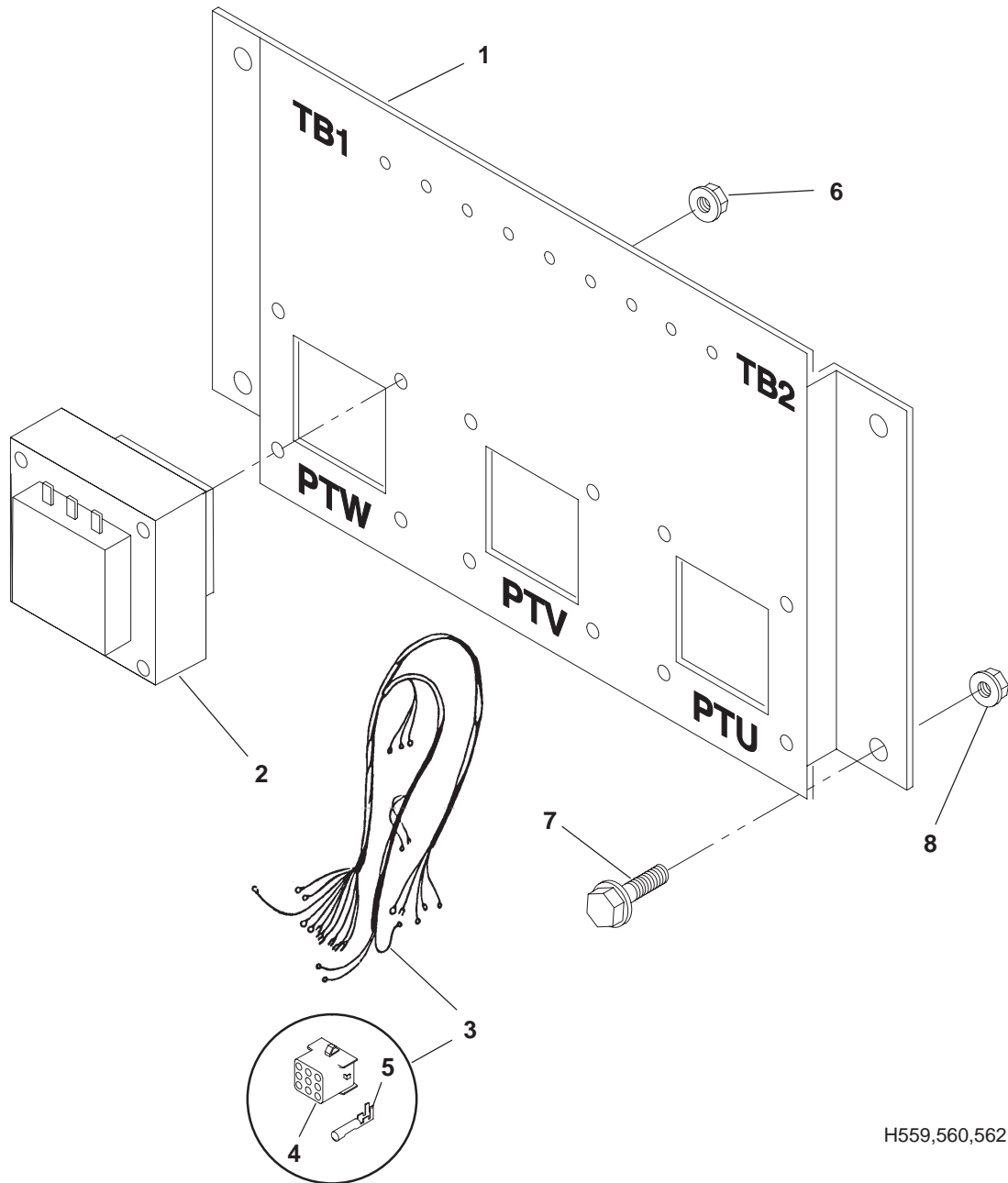


H559,560,562,530,532,555

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Transformer, Current	2	338-3561	1	Harness, AC – Sets With
			Sets With Detector				PCC Control (Includes
			Control				Parts Marked *)
	302-1845-03	3	Ratio 75/5 or 150/5	3	323-1644-03 A/R		* Housing, Plug & Cap – 12
	302-1845-04	3	Ratio 100/5 or 200/5				Place
	302-1845-05	3	Ratio 150/5 or 300/5	4	323-1648	A/R	* Socket, Contact
	302-1845-06	3	Ratio 200/5 or 400/5				
			Sets With PCC Control				
	302-1922-43	3	Ratio 122/1 or 244/1				
	302-1922-01	3	Ratio 138/1 or 276/1				
	302-1922-03	3	Ratio 173/1 or 346/1				
	302-1922-44	3	Ratio 209/1 or 418/1				
	302-1922-45	3	Ratio 243/1 or 486/1				
	302-1926-21	3	Ratio 122/1				
	302-1926-22	3	Ratio 146/1				
	302-1926-23	3	Ratio 170/1				
	302-1926-24	3	Ratio 194/1				

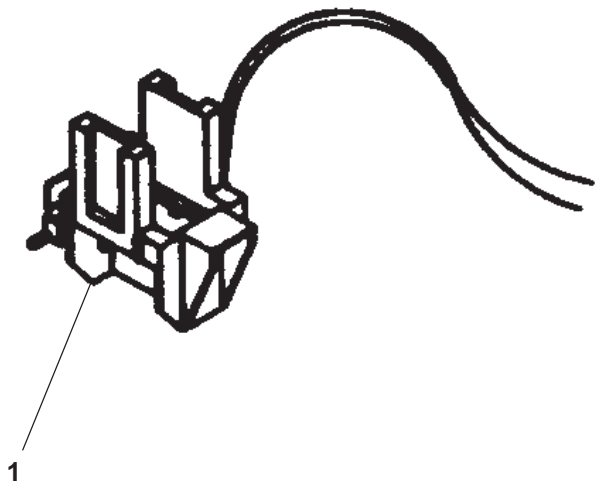
* – Parts Included in 338-3561 Wiring Harness

Meter Transformer



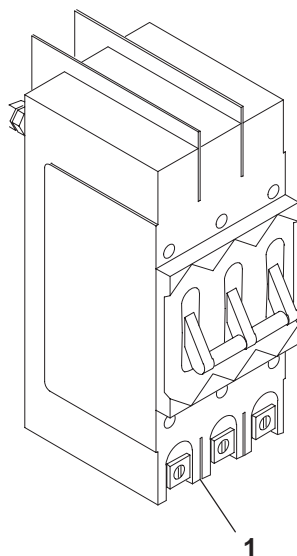
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-1498	1	Bracket, Transformer	5	323-1648	9	Socket, Contact
2	315-0717-00	3	Transformer	6	870-0221	12	Nut, Hex – W/ET (#8-32)
3	338-3337	1	Harness, Transformer (Includes Connector and Socket)	7	821-0016	4	Screw, Self-Locking – Hex Flange Head (5/16-18 x 1)
4	323-1644-02	1	Connector, Housing (9 Place)	8	870-0257	4	Nut, Self-Locking (5/16-18)

Auxiliary Contact
DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Contact, Auxiliary				
	320-1747-13	1	1 Contact				
	320-1747-14	1	2 Contact				

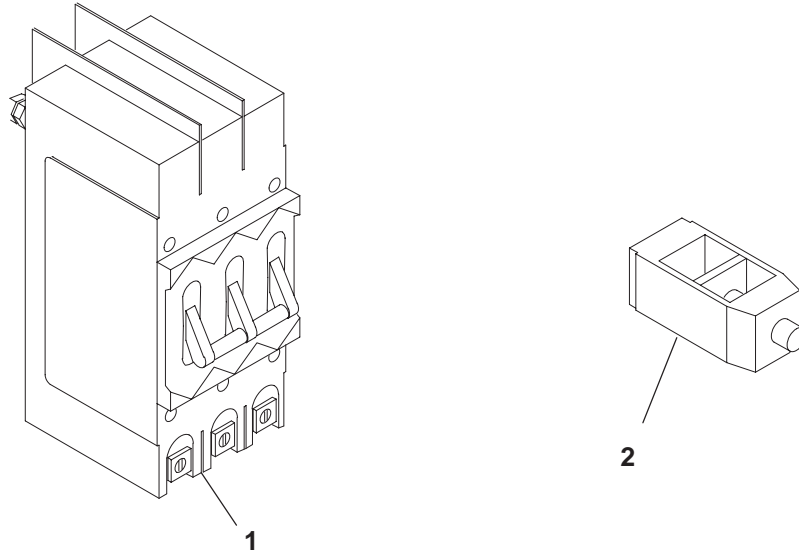
Circuit Breaker
UL Listed
DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L



1

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Breaker, Circuit	320-1462-44	1	90 Amp, 600 VAC	
			2 Pole	320-1462-48	1	150 Amp, 600 VAC	
	320-1513-10	1	450 Amp, 600 VAC	320-1463-08	1	175 Amp, 600 VAC	
	320-1513-11	1	500 Amp, 600 VAC	320-1556-07	1	150 Amp, 240 VAC	
	320-1555-11	1	250 Amp, 240 VAC	320-1556-08	1	175 Amp, 240 VAC	
	320-1555-12	1	300 Amp, 240 VAC	320-1556-09	1	200 Amp, 240 VAC	
			3 Pole	320-1556-10	1	225 Amp, 240 VAC	
	320-1458-26	1	80 Amp, 480 VAC	320-1556-15	1	250 Amp, 240 VAC	
	320-1458-27	1	90 Amp, 480 VAC			2 Pole with 12 VDC Shunt Trip	
	320-1458-28	1	100 Amp, 480 VAC	320-1519-06	1	250 Amp, 600 VAC	
	320-1458-30	1	125 Amp, 480 VAC	320-1519-07	1	300 Amp, 600 VAC	
	320-1458-31	1	150 Amp, 480 VAC			3 Pole with 12 VDC Shunt Trip	
	320-1458-43	1	80 Amp, 600 VAC	320-1856-17	1	150 Amp, 240 VAC	
	320-1458-44	1	90 Amp, 600 VAC	320-1856-19	1	200 Amp, 240 VAC	
	320-1458-48	1	150 Amp, 600 VAC			3 Pole with 12 VDC Shunt Trip and Aux Contact	
	320-1459-08	1	175 Amp, 600 VAC	320-1466-26	1	80 Amp, 480 VAC	
	320-1555-07	1	150 Amp, 240 VAC	320-1466-27	1	90 Amp, 480 VAC	
	320-1555-08	1	175 Amp, 240 VAC	320-1466-28	1	100 Amp, 480 VAC	
	320-1555-09	1	200 Amp, 240 VAC	320-1466-30	1	125 Amp, 480 VAC	
	320-1555-10	1	225 Amp, 240 VAC	320-1466-31	1	150 Amp, 480 VAC	
	320-1555-15	1	250 Amp, 240 VAC	320-1467-08	1	175 Amp, 600 VAC	
			2 Pole with Aux Contact			3 Pole with 24 VDC Shunt Trip and Aux Contact	
	320-1516-10	1	450 Amp, 600 VAC	320-1490-26	1	80 Amp, 480 VAC	
	320-1516-11	1	500 Amp, 600 VAC	320-1490-27	1	90 Amp, 480 VAC	
	320-1556-11	1	250 Amp, 240 VAC	320-1490-28	1	100 Amp, 480 VAC	
	320-1556-12	1	300 Amp, 240 VAC	320-1490-30	1	125 Amp, 480 VAC	
			3 Pole with Aux Contact	320-1490-31	1	150 Amp, 480 VAC	
	320-1462-26	1	80 Amp, 480 VAC	320-1491-08	1	175 Amp, 600 VAC	
	320-1462-27	1	90 Amp, 480 VAC				
	320-1462-28	1	100 Amp, 480 VAC				
	320-1462-30	1	125 Amp, 480 VAC				
	320-1462-31	1	150 Amp, 480 VAC				
	320-1462-43	1	80 Amp, 600 VAC				

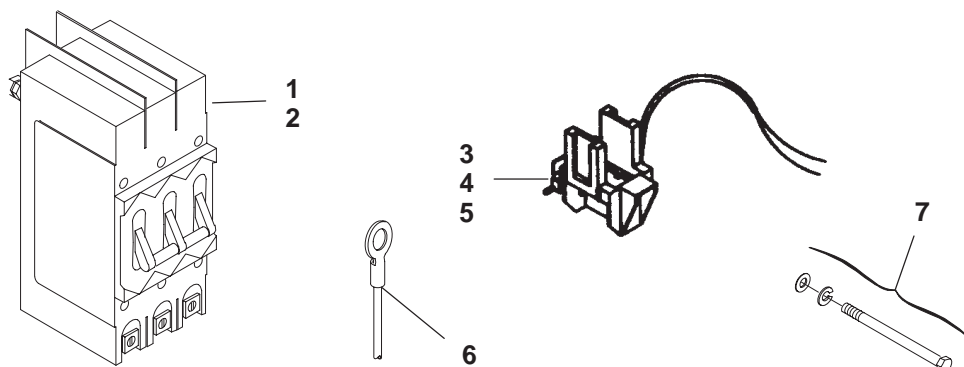
**Circuit Breaker
Non-UL Listed
DGBB Spec D, DGBC Spec C, DGCA and DGCB Spec L**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Breaker, Circuit
			3 Pole
	320-1724-11	1	80 Amp, 600 VAC
	320-1725-04	1	100 Amp, 660 VAC
	320-1725-05	1	125 Amp, 660 VAC
	320-1725-06	1	160 Amp, 660 VAC
	320-1726-06	1	200 Amp, 660 VAC
			4 Pole
	320-1724-14	1	80 Amp, 600 VAC
	320-1725-10	1	100 Amp, 660 VAC
	320-1725-11	1	125 Amp, 660 VAC
	320-1725-12	1	160 Amp, 660 VAC

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
2			Lug, Breaker
			3 Pole
	320-1755-11	3	100/125/160 Amp
	320-1755-12	3	200 Amp
			4 Pole
	320-1755-11	4	100/125/160 Amp
	320-1755-12	4	200 Amp

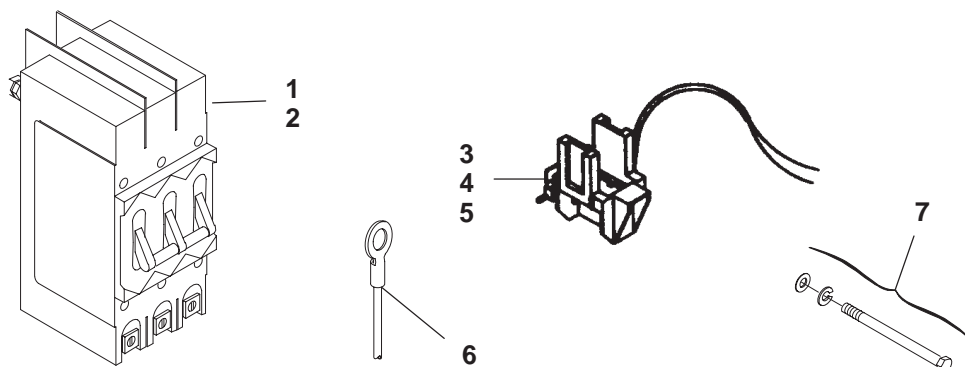
Circuit Breaker
(UL Listed, IEC Conformity)
DGBB Spec E, DGBC Spec D, DGCA and DGCB Spec M



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Breaker, Circuit – Molded Case				4 Pole (IEC)
			600 Volt	320-1960-08	1		630 Amp Frame/500 Amp
			3 Pole (UL & IEC)	320-1960-09	1		400 Amp Frame/400 Amp
320-1963-01	1		600 Amp Frame/600 Amp	320-1960-10	1		400 Amp Frame/320 Amp
320-1963-02	1		600 Amp Frame/500 Amp	320-1959-11	1		250 Amp Frame/250 Amp
320-1963-03	1		600 Amp Frame/450 Amp	320-1959-12	1		250 Amp Frame/200 Amp
320-1963-04	1		400 Amp Frame/400 Amp	320-1959-13	1		250 Amp Frame/160 Amp
320-1963-05	1		400 Amp Frame/350 Amp	320-1959-14	1		250 Amp Frame/125 Amp
320-1963-06	1		400 Amp Frame/300 Amp	320-1959-15	1		100 Amp Frame/100 Amp
320-1970-01	1		250 Amp Frame/250 Amp	320-1959-16	1		100 Amp Frame/80 Amp
320-1970-02	1		250 Amp Frame/225 Amp				240 Volt (UL)
320-1970-03	1		250 Amp Frame/200 Amp				2 Pole
320-1970-04	1		250 Amp Frame/175 Amp	320-1962-01	1		400 Amp Frame/400 Amp
320-1970-05	1		250 Amp Frame/150 Amp	320-1962-02	1		400 Amp Frame/350 Amp
320-1970-06	1		250 Amp Frame/125 Amp	320-1962-03	1		400 Amp Frame/300 Amp
320-1975-01	1		100 Amp Frame/100 Amp	320-1961-01	1		250 Amp
320-1975-02	1		100 Amp Frame/90 Amp	320-1961-02	1		225 Amp
320-1975-03	1		100 Amp Frame/80 Amp	320-1961-03	1		200 Amp
320-1975-04	1		100 Amp Frame/70 Amp	320-1961-04	1		175 Amp
320-1975-05	1		100 Amp Frame/60 Amp	320-1961-05	1		150 Amp
320-1975-06	1		100 Amp Frame/50 Amp	320-1961-06	1		125 Amp
320-1975-07	1		100 Amp Frame/45 Amp	320-1961-07	1		100 Amp
320-1975-08	1		100 Amp Frame/40 Amp				3 Pole
320-1975-09	1		100 Amp Frame/30 Amp	320-1962-04	1		400 Amp Frame/400 Amp
320-1975-10	1		100 Amp Frame/20 Amp	320-1962-05	1		400 Amp Frame/350 Amp
320-1975-11	1		100 Amp Frame/15 Amp	320-1962-06	1		400 Amp Frame/300 Amp
				320-1961-08	1		250 Amp
				320-1961-09	1		225 Amp
				320-1961-10	1		200 Amp
				320-1961-11	1		175 Amp
				320-1961-12	1		150 Amp
				320-1961-13	1		125 Amp
				320-1961-14	1		100 Amp

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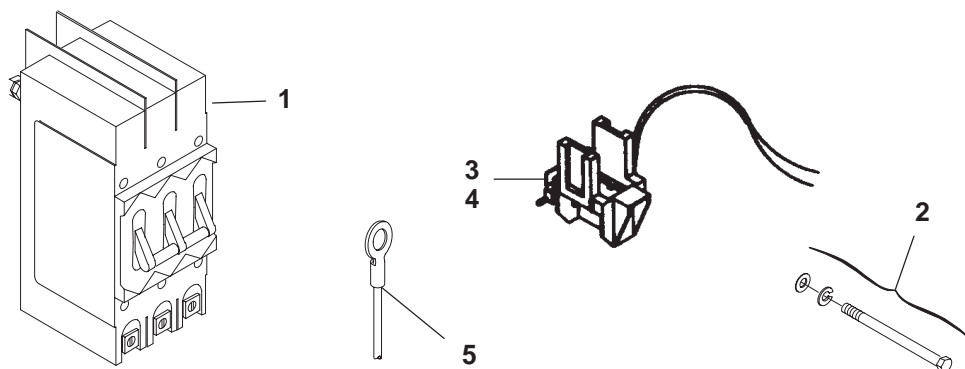
Circuit Breaker
(UL Listed, IEC Conformity)
DGBB Spec E, DGBC Spec D, DGCA and DGCB Spec M



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
Continued...			
2			Switch, Disconnect (600 Volt)
	320-1992-01	1	1200 Amp Frame
	320-1992-02	1	800 Amp Frame
	320-1991-01	1	600 Amp Frame
	320-1991-02	1	400 Amp Frame
3			Trip, Shunt (12 VDC) (600 Volt)
			3 Pole
	320-1977-02	1	300 – 1200 Amp (UL & IEC)
	320-1978-02	1	125 – 250 Amp (IEC)
	320-1979-02	1	15 – 100 Amp (IEC)
			4 Pole
	320-1981-02	1	320 – 630 Amp (IEC)
4			Contact, Auxiliary (600 Volt)
			3 Pole
	320-1977-01	1	300-1200 Amp (UL & IEC)
	320-1978-01	1	125 – 250 Amp (IEC)
	320-1979-01	1	15 – 100 Amp (IEC)
			4 Pole
	320-1981-01	2	320 – 630 Amp (IEC)
5			Alarm, Trip (600 Volt)
	320-1979-04	1	15 – 250 Amp (IEC)
6			Lead (Quantity Used As Required)
			33" Leads
	226-0893	1	3/8" Ring Terminal End to 3/8" Ring Terminal End
			30" Leads
	226-3505-01	1	3/8" Ring Terminal End to 1" Stripped End (#4 Wire)
	226-3505-02	1	3/8" Ring Terminal End to 3/4" Stripped End (#4 Wire)
	226-3505-03	1	3/8" Ring Terminal End to 3/8" Ring Terminal End (#4 Wire)
	226-3505-04	1	3/8" Ring Terminal End to 3/8" Ring Terminal End (#1 Wire)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
7			Package, Hardware – Mounting (Includes Screws, Nuts and Lock Washers – 1 Package Required Per Switch)
	320-1986-02	1	Used with 320-1963-XX Circuit Breakers
	320-1986-03	1	Used with 320-1970-XX Circuit Breakers
	320-1986-04	1	Used with 320-1975-XX Circuit Breakers
	320-1986-05	1	Used with 320-1962-XX Circuit Breakers (Screws Only)
	320-1986-06	1	Used with 320-1961-XX Circuit Breakers (Screws Only)
	320-1986-07	1	Used with 320-1960-XX Circuit Breakers
	320-1986-08	1	Used with 320-1959-XX Circuit Breakers

Circuit Breaker
(UL Listed, IEC Conformity)
DGBB Spec F, DGBC Spec E, DGCA and DGCB Spec N

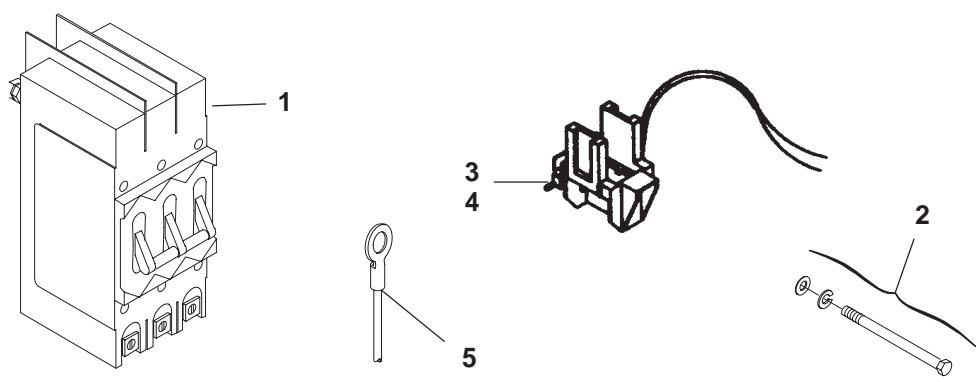


REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Breaker, Circuit				
			2 Pole (UL)				
	320-1961-07	1	100 Amp (240 Volts)		320-1959-05	1	* 150 Amp (600/750 Volts)
	320-1961-06	1	125 Amp (240 Volts)		320-1959-04	1	* 175 Amp (600/750 Volts)
	320-1961-05	1	150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

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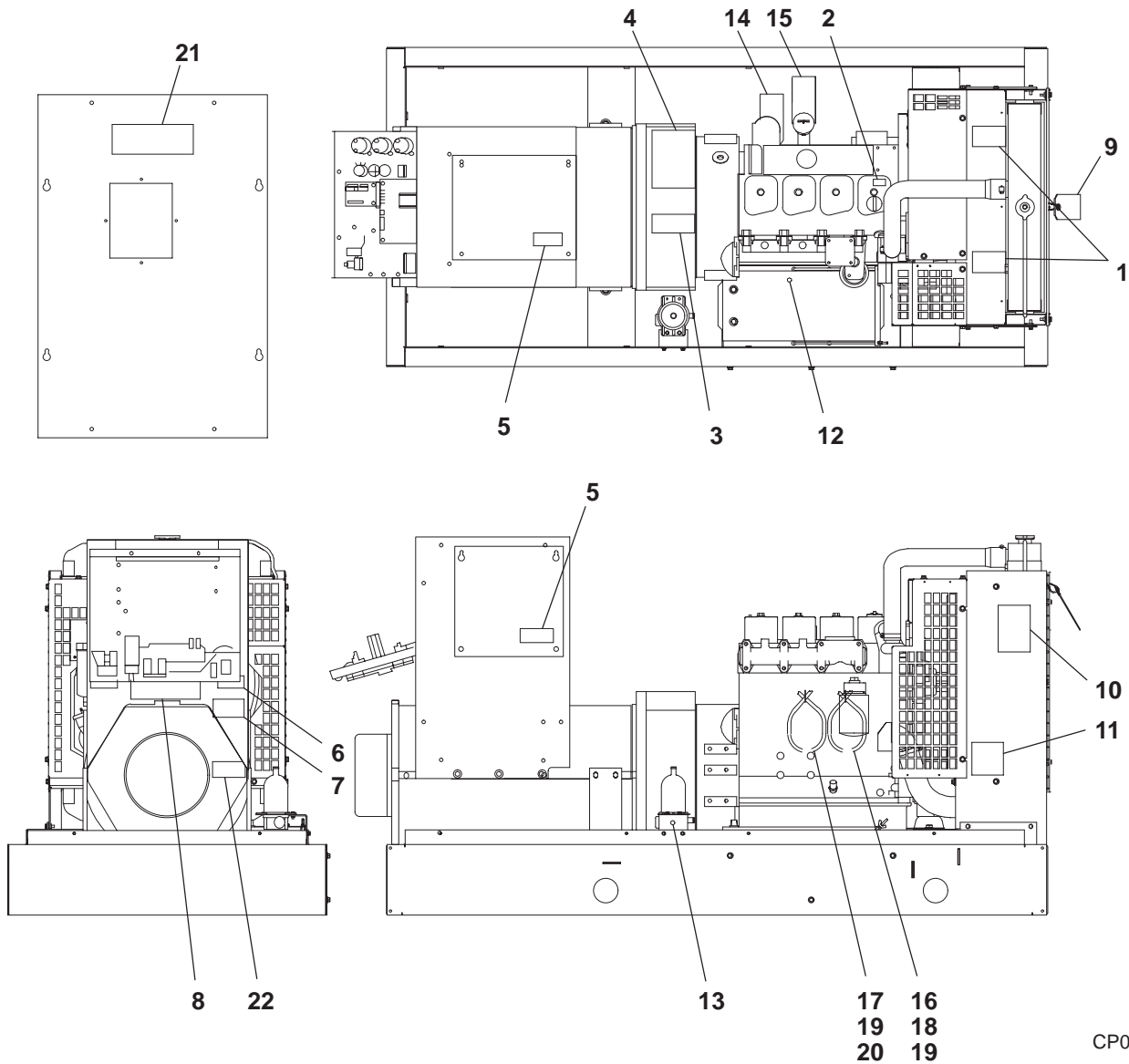
Circuit Breaker
(UL Listed, IEC Conformity)
DGBB Spec F, DGBC Spec E, DGCA and DGCB Spec N



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		226-3505-01	1		3/8" Ring Terminal End to 1" Stripped End – No Markings (30") (#4 Wire)
4	320-1981-01	2		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)
			Trip, Shunt (12V)				
			Switch – Used as an Auxiliary Contact or Trip Alarm				

* – Includes Mounting Hardware

Miscellaneous Labels



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	098-4730	2	Label, Warning (Not used W/Remote Radiator)	11	098-4732	2	Label, Warning
2	098-5822	1	Label, Warning	12	098-6460	1	Tag, Battery
3	098-4798	1	Label, Warning	13	098-6030	1	Tag, Caution (Used W/Optional Coolant Heater Only)
4	098-5842	1	Label, Caution	14	098-2124	1	Tag, Caution
5	098-5347	3	Label, Danger	15	098-7048	1	Tag, Oil Fill
6	098-6074-02	1	Label, Warning	16	501-0502		Line, Fuel Out
7	098-5759	1	Label, Warning	17	501-0627-03	1	Line, Fuel In
8	098-6139-04	1	Label, Model Identification (Used W/Remote Radiator Only)	18	098-3171	1	Tag, Fuel Line
9	098-7047	1	Tag, Water Fill (Not used W/Remote Radiator)	19	503-0685	2	Clamp, Hose
10	098-6139-06	2	Label, Model Identification (Not used W/Remote Radiator)	20	098-3172	1	Tag, Fuel Line
				21	098-2304	1	Label, Warning (Used W/Circuit Breaker Only)
				22	098-4500	1	Decal

Numerical Index

<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>
098-2124, 122		130-3582, 35		151-0402, 111		159-1467, 55	
098-2304, 65, 67, 69, 122		130-3721-01, 37		151-0715-01, 60		159-1468, 16	
098-3171, 122		130-3984, 38		151-0731-01, 61		159-1472, 15	
098-3172, 122		130-4596-02, 37		151-0754-02, 61		159-1481, 17	
098-4500, 41, 43, 45, 47, 49, 122		130-4600, 37		154-2708, 22, 25, 26, 27, 28		191-1981, 59	
098-4730, 40, 41, 43, 45, 47, 49, 122		130-4602, 37		155-2062-01, 25		191-2209, 59	
098-4732, 40, 43, 45, 47, 49, 122		130-4622, 37		155-2062-10, 27, 28		191-2211, 58	
098-4798, 122		130-4623, 37		155-2175, 25, 26, 27, 28, 29		193-0250, 87	
098-5298, 87		130-4635, 35		155-2565, 23, 24, 25, 26, 27, 28		193-0351, 87	
098-5347, 122		130-4636, 35		155-3064, 25		193-0375, 8	
098-5387, 16, 17		130-4637, 35		155-3066, 25		193-0388, 112	
098-5429, 40, 41, 43, 45, 47, 49		130-4638, 35		155-3074, 27		193-0432, 9	
098-5759, 122		130-4639, 35		155-3082, 25		193-0435, 112	
098-5822, 122		130-4640, 35		155-3086, 25		193-0444, 9	
098-5842, 122		130-4643, 33		155-3102-01, 25		193-0448, 8	
098-5854-04, 67		130-4644, 33		155-3102-02, 27, 28, 29		193-0451, 10	
098-6030, 122		130-4715, 37		155-3114, 26		193-0463, 10	
098-6074-02, 122		130-4716, 37		155-3115, 26, 29		193-0466, 87	
098-6139-04, 122		130-4756, 37		155-3116, 23		193-0467, 31	
098-6139-06, 122		130-4757, 37		155-3117, 24, 26		193-0468, 30, 32	
098-6142, 71		130-4759, 37		155-3118, 26		201-3434-01, 73	
098-6195, 78		130-4878, 38		155-3120-01, 26		201-3434-02, 73	
098-6195-01, 9		140-1260, 12, 13		155-3120-02, 22		201-3446, 83	
098-6460, 122		140-1548, 13		155-3125, 24, 26		201-3497-01, 73	
098-7047, 122		140-2008, 12		155-3166, 28		201-3497-02, 73	
098-7048, 122		140-3051, 12		155-3167, 28		201-3557-01, 73	
098-7102-02, 43, 45		140-3053, 12		155-3168, 28		201-3557-02, 73	
098-7281, 70		140-3054, 13		155-3176, 27		201-3557-03, 73	
098-7451, 47, 49		140-3055, 12		155-3177, 27		201-3557-04, 73	
098-7470, 47, 49		140-3056, 13		155-3193, 29		201-3557-05, 73	
098-7477, 87		140-3063, 12, 13		155-3196, 22		211-0422, 75	
102-1147, 11		140-3067, 13		155-3219, 28		211-0423, 75	
102-1237, 11		147-0779, 7, 8		155-3238, 41, 47, 49		220-4233, 83	
102-1356, 9		149-2441, 19		155-3260, 29		220-4293-04, 75	
102-1448-02, 9		150-0723, 80		159-1371-03, 14		220-4293-05, 75	
128-0154-02, 25, 41		150-0956, 80		159-1371-05, 14		220-4447-06, 76	
128-0251, 25		150-2201, 61		159-1378, 14		220-4447-07, 76, 77	
130-1788, 37		150-2309, 80		159-1439, 19		220-4447-08, 76, 77	
130-3080, 37		150-2331, 9		159-1463, 14		220-4447-09, 76, 77	
130-3082, 37		150-2331-00, 60		159-1463-01, 14		220-4447-10, 77	
		150-2578, 60		159-1464, 14		220-4447-11, 76, 77	
		150-2735-01, 9, 61					

Numerical Index

<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>
220-4447-12, 76, 77		300-2897, 107		302-1926-24, 113		319-0898, 102	
220-4447-13, 76, 77		300-3464, 18		302-1968, 85, 87		319-1498, 114	
220-4447-14, 76, 77		300-3998-02, 101		302-1982-09, 110		319-2006-01, 91, 93, 95	
220-4447-16, 76, 77		300-4111-03, 99		302-1982-10, 110		319-2006-02, 91, 93	
220-4447-17, 76, 77		300-4218-01, 100		302-1982-11, 110		319-2653, 41, 43, 45, 47, 49	
220-4447-18, 77		300-4294, 87		302-2002, 85, 87		319-2967, 63	
220-4447-19, 76, 77		300-4296, 87		303-0261, 96, 97		319-2978, 65, 67, 69	
220-4447-26, 76, 77		300-4515-01, 79		303-0285-01, 96, 97		319-2979-01, 65, 67	
220-4447-27, 76, 77		300-4515-02, 79		304-0807, 73		319-2979-02, 65, 69	
220-4447-28, 76, 77		301-6257, 98		305-0823, 96, 97		319-2980, 65	
220-4447-29, 77		301-6987, 108, 110		305-0844, 96, 97		319-2989, 85	
220-4448-14, 76		301-9054-01, 87		305-0868, 96, 97		319-2991, 85	
226-0893, 119, 121		301-9055-01, 87		305-0901, 109		319-2995, 67	
226-3505-01, 119, 121		301-9941, 108		305-0902-01, 81, 82		319-2996, 63	
226-3505-02, 119		302-1147, 105		307-1058, 99		319-3012, 65	
226-3505-03, 119, 121		302-1148, 85, 87		307-2553, 108		319-3013, 65	
226-3505-04, 119, 121		302-1641, 87		307-2677-02, 18		319-3014, 65, 67	
226-4780, 71		302-1642, 87		307-2677-03, 85		319-3030, 87	
231-0325, 73		302-1683, 105		307-2709, 108		319-3072, 65, 67, 69	
231-0370, 73		302-1684, 105		307-2817-01, 89, 91, 93, 95		319-3149, 69	
232-3421, 73		302-1685, 87, 105		307-2851, 19		319-3150, 69	
232-3462-01, 80		302-1721-01, 110		307-2868, 106		319-3151, 69	
232-3462-03, 83		302-1721-02, 110		307-2871, 85		319-3180, 91, 93	
232-3695, 73		302-1721-03, 110		308-0852, 18		319-3207, 63	
232-3730-03, 75		302-1721-04, 110		308-0853, 98		319-3208, 63	
232-3730-04, 75		302-1721-05, 110		308-0912, 18		319-3240, 69	
232-3819-01, 73		302-1722, 110		308-0913, 16		319-3241, 69	
232-3819-02, 73		302-1723, 98		308-0913-09, 16, 17		319-3242, 69	
232-3819-03, 73		302-1724, 87		308-0916-01, 21		319-3243, 69	
232-3820-01, 73		302-1725, 87		308-0963-01, 20		319-3304, 69	
232-3925, 75		302-1753, 85		308-1010, 87		319-3601-02, 89	
232-3940, 75		302-1845-03, 113		308-1011, 85, 87		320-1458-26, 116	
232-3959-01, 75		302-1845-04, 113		308-1052, 85, 87		320-1458-27, 116	
232-3972, 83		302-1845-05, 113		309-0269, 9		320-1458-28, 116	
234-0867, 73		302-1845-06, 113		309-0553-01, 8		320-1458-30, 116	
234-0875-01, 80		302-1922-01, 113		309-0554-01, 7, 8		320-1458-31, 116	
234-0875-02, 83		302-1922-03, 113		309-0641-19, 7, 8		320-1458-43, 116	
234-0878, 73		302-1922-43, 113		309-0641-20, 8		320-1458-44, 116	
234-0879, 73		302-1922-44, 113		315-0687, 18		320-1458-48, 116	
234-0937-01, 73		302-1922-45, 113		315-0717-00, 114		320-1459-08, 116	
234-0937-02, 73		302-1926-21, 113		319-0485, 18		320-1462-26, 116	
234-0937-03, 73		302-1926-22, 113		319-0486, 18		320-1462-27, 116	
234-0980, 73		302-1926-23, 113		319-0754, 81		320-1462-28, 116	

Numerical Index

<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>
320-1462-30, 116		320-1725-04, 117		320-1960-10, 118, 120		320-1975-11, 118	
320-1462-31, 116		320-1725-05, 117		320-1961-01, 118, 120		320-1977-01, 119	
320-1462-43, 116		320-1725-06, 117		320-1961-02, 118, 120		320-1977-02, 119	
320-1462-44, 116		320-1725-10, 117		320-1961-03, 118, 120		320-1978-01, 119	
320-1462-48, 116		320-1725-11, 117		320-1961-04, 118, 120		320-1978-02, 119	
320-1463-08, 116		320-1725-12, 117		320-1961-05, 118, 120		320-1979-01, 119	
320-1466-26, 116		320-1726-06, 117		320-1961-06, 118, 120		320-1979-02, 119	
320-1466-27, 116		320-1747-13, 115		320-1961-07, 118, 120		320-1979-04, 119	
320-1466-28, 116		320-1747-14, 115		320-1961-08, 118, 120		320-1981-01, 119, 121	
320-1466-30, 116		320-1748-12, 103		320-1961-09, 118, 120		320-1981-02, 119, 121	
320-1466-31, 116		320-1755-11, 117		320-1961-10, 118, 120		320-1986-02, 119	
320-1467-08, 116		320-1755-12, 117		320-1961-11, 118, 120		320-1986-03, 119	
320-1490-26, 116		320-1824-02, 85		320-1961-12, 118, 120		320-1986-04, 119	
320-1490-27, 116		320-1856-17, 116		320-1961-13, 118, 120		320-1986-05, 119, 120	
320-1490-28, 116		320-1856-19, 116		320-1961-14, 118, 120		320-1986-06, 119	
320-1490-30, 116		320-1941, 85		320-1962-01, 118, 120		320-1986-07, 119, 120	
320-1490-31, 116		320-1959-01, 120		320-1962-02, 118, 120		320-1986-08, 119, 120	
320-1491-08, 116		320-1959-02, 120		320-1962-03, 118, 120		320-1991-01, 119	
320-1513-10, 116		320-1959-03, 120		320-1962-04, 118		320-1991-02, 119	
320-1513-11, 116		320-1959-04, 120		320-1962-05, 118		320-1992-01, 119	
320-1516-10, 116		320-1959-05, 120		320-1962-06, 118, 120		320-1992-02, 119	
320-1516-11, 116		320-1959-06, 120		320-1963-01, 118		321-0175, 85	
320-1519-06, 116		320-1959-07, 120		320-1963-02, 118		321-0307-07, 91, 93	
320-1519-07, 116		320-1959-08, 120		320-1963-03, 118		321-0349, 91, 93	
320-1555-07, 116		320-1959-09, 120		320-1963-04, 118		321-0353, 85	
320-1555-08, 116		320-1959-10, 120		320-1963-05, 118		322-0004, 87	
320-1555-09, 116		320-1959-11, 118, 120		320-1963-06, 118		322-0359-01, 87	
320-1555-10, 116		320-1959-12, 118, 120		320-1970-01, 118		322-0360-01, 87	
320-1555-11, 116		320-1959-13, 118, 120		320-1970-02, 118		322-0361, 87	
320-1555-12, 116		320-1959-14, 118, 120		320-1970-03, 118		322-0363, 87	
320-1555-15, 116		320-1959-15, 118, 120		320-1970-04, 118		322-0369-02, 18	
320-1556-07, 116		320-1959-16, 118, 120		320-1970-05, 118		322-0394, 98	
320-1556-08, 116		320-1959-17, 120		320-1970-06, 118		322-0403-02, 18	
320-1556-09, 116		320-1959-18, 120		320-1975-01, 118		322-0431-03, 106	
320-1556-10, 116		320-1959-19, 120		320-1975-02, 118		322-0431-04, 108	
320-1556-11, 116		320-1959-20, 120		320-1975-03, 118		322-0431-06, 21, 104	
320-1556-12, 116		320-1959-21, 120		320-1975-04, 118		322-0431-07, 30	
320-1556-15, 116		320-1959-22, 120		320-1975-05, 118		322-0431-08, 109	
320-1653, 18		320-1960-04, 120		320-1975-06, 118		323-1199, 99	
320-1654, 18		320-1960-05, 120		320-1975-07, 118		323-1200, 95, 99	
320-1688-01, 96, 97		320-1960-06, 120		320-1975-08, 118		323-1291, 99	
320-1724-11, 117		320-1960-08, 118		320-1975-09, 118		323-1292, 99	
320-1724-14, 117		320-1960-09, 118, 120		320-1975-10, 118		323-1302, 87	

Numerical Index

<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>
323-1304, 95		332-1389, 70		335-0168-02, 34		351-1599-42, 95	
323-1306, 95		332-1445, 87, 97, 99, 100, 106, 107, 112		335-0173, 78		355-0189, 87	
323-1308, 87		332-1473, 65, 69		337-0049, 85, 87		357-0030, 30, 89, 95	
323-1410-03, 109		332-1571, 81, 82, 97		337-0090, 50, 51, 52, 53		357-0091, 73	
323-1445, 91, 93		332-1789, 78		338-1904, 107		357-0092, 73	
323-1491, 91, 93		332-1990, 85		338-2278, 87		357-0114, 78, 79	
323-1492, 91, 93, 95		332-1992, 20, 21, 78, 85		338-2347, 108		358-0135-01, 73	
323-1540, 91, 93		332-1993, 9		338-2382, 18		358-0135-02, 73	
323-1546, 95		332-1995, 95		338-2397, 16		359-0115, 95	
323-1548, 95		332-2430, 20, 21, 78		338-2800, 17		399-0117-01, 16, 17	
323-1580, 91, 93		332-2431, 95		338-2875, 99		402-0354, 108, 110	
323-1581, 91, 93		332-2468, 85		338-3011, 83		402-0510, 91, 93	
323-1591, 95		332-2605, 18, 104		338-3033, 100		402-0527, 85, 87	
323-1605-02, 91, 93		332-2630, 85, 111		338-3034, 109		402-0706, 50, 51, 52, 53	
323-1605-03, 91, 93		332-2697, 78		338-3035-01, 30		402-0730, 52, 53	
323-1614-01, 91, 93		332-2723, 87		338-3252, 87		403-2567-01, 50, 51, 52, 53	
323-1615, 91, 93		332-2744-07, 65, 67, 69		338-3285, 93		403-4035, 51	
323-1623, 91, 93		332-2877, 85		338-3309, 110		403-4058, 56	
323-1624, 91, 93		332-2921, 8		338-3310, 110		403-4107, 54	
323-1643-01, 91, 93		332-2957, 107		338-3337, 114		403-4110, 54	
323-1644-01, 95		332-2974, 85		338-3366, 106		403-4116, 54	
323-1644-02, 85, 87, 114		332-2987, 75		338-3380, 95		403-4134, 51	
323-1644-03, 113		332-3023, 70, 71		338-3390, 95		403-4156, 51, 53	
323-1647, 95		332-3024-11, 70, 71		338-3391, 85		403-4163, 57	
323-1648, 85, 87, 91, 93, 113, 114		332-3196, 9		338-3395, 97		403-4222, 50, 52	
323-1652, 93		332-3228, 70		338-3396, 81		403-4223-01, 53	
323-1666, 91, 93		332-3338, 78, 79		338-3403, 95		403-4231, 53	
323-1708, 30, 89, 93		332-3496, 91, 93		338-3405, 95		405-5319, 43, 45	
323-1709, 30, 89, 93		333-0133, 102		338-3429, 87		405-5423, 43, 45	
323-1712, 89		333-0429-01, 34		338-3442, 31		405-5424, 45	
323-1718, 93		333-0429-02, 34		338-3451, 82		405-5426, 15, 43, 45	
323-1765, 30, 89, 93		333-0438-07, 70, 71		338-3472, 61		405-5427, 45	
330-0142, 70, 71		333-0438-08, 70, 71		338-3561, 113		405-5428, 43, 45	
331-0027, 18		333-0550-01, 78		338-3562, 91		405-5438, 43, 45	
331-0042, 18		333-0550-02, 78		338-3571, 60		405-5625, 43, 45	
332-0052, 87		333-0584, 33		338-3594, 30		405-5627, 43, 45	
332-0527, 89		333-0585, 33		338-3722, 104		405-5628, 43, 45	
332-0604, 91, 93, 95		333-0588-01, 33		338-3731, 89		405-5630, 43, 45	
332-0804, 85		333-0588-02, 33		338-3744, 89		405-5637, 45	
332-0897, 85		334-0116, 111		338-3753, 93		405-5638, 43, 45	
332-0942, 78, 101, 108		335-0110, 78		338-3756, 32		405-5679, 40, 43, 45	
332-1043, 91, 93, 95, 96		335-0168-01, 34		350-1222, 96		405-5682, 40, 43, 45	

Numerical Index

<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>
405-5684, 40, 43, 45		405-5997, 47, 49		416-0993-02, 56		505-0069, 21	
405-5685, 40, 43, 45		405-5998, 47, 49		416-1000, 7, 8, 9		505-0110, 14, 15	
405-5687, 43, 45		405-6000-02, 47, 49		416-1003-02, 57		505-0117, 37	
405-5689, 43, 45		405-6000-03, 47, 49		416-1033, 56, 57		505-0172, 14	
405-5704, 43, 45		405-6000-04, 49		501-0502, 14, 15, 122		505-0180, 24	
405-5705, 43, 45		405-6000-06, 47, 49		501-0627-03, 14, 15, 122		505-0185, 11, 37	
405-5706, 43, 45		405-6000-07, 49		502-0029, 19		505-0203, 14	
405-5707, 43, 45		405-6001-01, 47, 49		502-0047, 19		505-0359, 14, 15	
405-5709, 43, 45		405-6003, 47, 49		502-0050, 19		505-0401, 14	
405-5720, 43, 45		405-6005, 47, 49		502-0053, 10		505-0645, 15	
405-5721, 43, 45		405-6010, 49		502-0085, 37		505-1050, 20, 21	
405-5722, 43, 45		405-6013, 49		502-0199, 7, 8, 9		505-1373, 112	
405-5731, 45		405-6014, 49		502-0433, 19		505-1458-02, 21	
405-5732, 45		405-6015, 47, 49		502-0942, 16, 17, 33		505-1458-14, 20	
405-5733, 43, 45		405-6018, 41, 47, 49		502-0943, 16, 17, 33		508-0051, 87	
405-5734, 45, 47, 49		405-6029, 47, 49		503-0098, 11, 37		508-0139, 73	
405-5735, 40		405-6030, 47, 49		503-0183, 16, 17, 33		508-0228, 70, 71	
405-5745, 41, 47, 49		405-6034, 47, 49		503-0197, 11, 37		508-0239, 65, 67, 69	
405-5760, 45		405-6035, 47, 49		503-0276, 37, 38		508-0305-02, 63, 85	
405-5832, 41		405-6044, 49		503-0365, 37		508-1011, 40, 43, 45	
405-5841, 47, 49		405-6068, 47, 49		503-0465, 37		508-1057, 73	
405-5902, 41, 47, 49		405-6109, 47, 49		503-0685, 14, 15, 38, 122		509-0266-01, 73	
405-5903, 41, 47, 49		405-6132, 49		503-1445-06, 19		509-0266-02, 73	
405-5908, 41, 47, 49		406-0332, 87		503-1634-02, 33		510-0164, 73	
405-5910, 41, 47, 49		406-0333, 87		503-1660-04, 16		515-0298-02, 73	
405-5916, 41, 47, 49		406-0334, 87		503-1660-07, 17		515-0299-02, 73	
405-5952, 47, 49		406-0782, 40, 41, 43, 45, 47, 49		503-1837, 19		515-0299-04, 73	
405-5953, 47, 49		406-0831, 40, 41, 43, 45, 47, 49		503-1870-04, 25		515-0299-05, 73	
405-5954, 47, 49		406-0835, 40, 41, 43, 45, 47, 49		503-1870-05, 12, 13, 27		517-0021, 70	
405-5955, 47, 49				503-1870-06, 12		517-0094, 52, 53	
405-5956, 47, 49				503-1929, 37		517-0131, 47, 49, 87	
405-5957, 47, 49		415-0043, 14, 15		503-2003, 37		517-0132, 40, 43, 45	
405-5958, 47, 49		415-0565-52, 14		503-2003-01, 37		517-0135, 63, 73	
405-5960, 47, 49		415-0565-61, 14, 15		503-2029, 12		517-0138-07, 47, 49	
405-5961, 47, 49		415-0650-01, 19		503-2032, 13		517-0245, 40, 43, 45	
405-5966, 47, 49		415-0651-19, 19		504-0011, 11, 37		517-0322, 43, 45, 47, 49	
405-5987, 47, 49		415-0652, 19		504-0028, 37		518-0083, 73	
405-5988, 49		415-0655, 19		505-0007, 14, 15		518-0548-02, 11	
405-5990, 49		415-0656-21, 19		505-0019, 9, 33		518-0601, 6	
405-5991-01, 49		415-0657-01, 19		505-0026, 20, 21		525-0304, 6	
405-5991-02, 49		415-0660, 19		505-0027, 14, 15		525-0305, 6	
405-5995, 47, 49		415-0818, 19		505-0050, 11		525-0306, 6	
405-5996, 47, 49		416-0619, 7, 8, 9		505-0066, 20		526-0003, 96	

Numerical Index

<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>
526-0008, 8, 65		800-2068, 37		818-0231-02, 37, 38, 40, 41, 43, 45, 47, 49, 65, 67, 69		856-0013, 7, 8, 9, 50, 51, 52, 53	
526-0011, 47, 49		800-2085, 8		818-0237-01, 41, 43, 45, 47, 49		860-0008, 18, 108, 110	
526-0018, 85, 87		800-2086, 22, 24, 25, 26, 27, 28		821-0004, 87		860-0012, 69	
526-0027, 9, 60, 61		800-2088, 75, 80		821-0014, 63, 85		860-2005, 67, 70, 71, 73	
526-0029, 65, 67, 69		800-2089, 58		821-0016, 114		860-2006, 19, 59, 67, 73	
526-0032, 91		800-2110, 35		821-0017, 110		860-2008, 59	
526-0115, 108		800-2111, 7, 8, 9, 11, 12, 13		821-2033, 16, 17		860-2009, 75	
526-0174, 75		800-2121, 50, 51, 52, 53		821-5000-05, 87, 89		862-0001, 80, 101	
526-0238-01, 52, 53		800-2543-02, 15, 50, 51, 52, 53		821-5003-01, 63		862-0026-58, 14	
526-0240, 80		800-3009, 73		821-6001-01, 60, 61, 73, 75, 80, 83		862-0044, 52, 53	
526-0259-02, 50, 51, 52, 53		800-3017-20, 73		821-6001-02, 73, 89		864-0011, 19	
526-0399-13, 38		800-3017-37, 73		821-6002-03, 33, 38, 41, 47, 49, 54, 63, 65, 67, 69, 85		865-0030, 56, 57	
526-0399-59, 17		800-3017-38, 75		821-6003-02, 15, 17, 25, 27, 28, 33, 35, 37, 40, 41, 43, 45, 47, 49, 51, 53, 55, 56, 57, 65, 69		866-0014, 60	
526-0399-62, 73, 75		800-3017-39, 75		822-3047, 70, 71		870-0048, 108	
526-0399-64, 73, 75		800-3017-42, 75		822-3075, 70, 71		870-0131, 8, 65, 87, 89	
526-0399-66, 14		800-3017-44, 75		850-0040, 101		870-0183, 85, 87, 102	
526-0423, 75		800-3017-54, 73		850-0050, 65, 67, 69		870-0221, 65, 69, 114	
526-0433, 50, 51, 52, 53		800-3017-56, 75		850-0114-54, 73, 75		870-0232, 65	
526-0434, 50, 51		800-3017-73, 14		850-0114-55, 73, 75		870-0250, 80	
526-2050, 70, 71, 73		800-3034, 70		850-0114-56, 73, 75		870-0257, 78, 110, 114	
526-2060, 73		805-0015, 73		850-0114-57, 14		870-0439, 85, 105	
526-2080, 80		805-0018, 75		850-2003, 70, 71		870-0458, 18	
526-2100, 37		812-0063, 100		850-2004, 67, 70, 71, 73		870-0504, 41, 47, 49	
526-2106, 35		812-0075, 18		850-2005, 59, 67, 73		870-0517-01, 99	
526-2120, 24, 75		812-0082, 81, 108		850-2006, 75, 83		870-0517-02, 99	
526-2140, 7, 8, 9, 12, 13		812-0084, 109		850-2008, 9, 59		870-0547, 50, 51, 52, 53	
532-0474-19, 71		812-0093, 65		850-2010, 22, 24, 25, 26, 27, 28, 58, 75, 83		870-1220, 85, 87, 105	
532-0474-20, 71		812-0157, 65		850-2012, 12, 13		870-1221, 109	
625-2141-02, 16, 17, 18		813-0190, 65		853-0008, 87		870-2054, 16, 17	
720-1123, 75		815-0242, 71		853-0013, 80		870-2064-01, 70, 73	
775-0049, 83		815-0350, 18		856-0002, 18, 108, 110		870-2193-04, 43, 45	
800-0006, 101		815-0385, 18, 87, 102		856-0003, 85		870-2204, 89	
800-0014, 87		815-0388, 81, 82, 85, 87, 96, 106		856-0005, 69		871-0015, 87	
800-0024, 78		815-0538, 91, 93, 95		856-0008, 63, 65, 69, 78, 85, 87		895-0363, 41, 43, 45, 47, 49	
800-0048, 65, 67, 69		815-0544, 99, 107		856-0010, 80		895-0382, 41	
800-0071, 91		815-0761-01, 83		856-0012, 91		895-0384, 47, 49	
800-0599-05, 50, 51, 52, 53		815-0792-04, 70				895-0385, 47, 49	
800-0607, 52, 53		815-0839, 91, 93				895-0386, 47, 49	
800-2010, 19		815-0875-02, 85, 87				898-0025, 99	
800-2042, 75		815-0901-06, 87				898-0860, 78	
800-2046, 75		815-0905-08, 96, 97				898-1195-01, 78	
800-2056, 12, 13						898-1254-19, 71	
800-2058, 9, 35							



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