



# Parts Manual

**Our energy working for you.™**



**Power  
Generation**

**Generator Set**  
**with PowerCommand® 2100 and 3201 Controller**

DFGB (Spec J–K)

DFGE (Spec B–C)

## MODEL IDENTIFICATION

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

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

MODEL AND SPEC NO.

SERIAL NO.

DIGITAL CONTROL SOFTWARE VERSION  
AND DATE (IF APPLICABLE)

## SAFETY PRECAUTIONS

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

### DANGER

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

### WARNING

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

### CAUTION

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

## PRODUCT SAFETY PRECAUTIONS

### WARNING

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

### WARNING

***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.***

### WARNING

***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!***

### WARNING

***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 Parts Catalog applies to Cummins Power Generation Generator Models DFGB and DFGE 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 with the same reference number in the parts list. Parts illustrations are typical. Unless otherwise mentioned in the description or the page heading, parts are interchangeable between models. Throughout this catalog left and right sides are determined by facing the engine (front) of the set unless noted in the description column.

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

## Replacement Engine

| Cummins Power Generation<br>Generator Model | Cummins Engine Model |
|---------------------------------------------|----------------------|
| DFGB                                        | VTA28-G5             |
| DFGE                                        | VTA28-G7             |

## Generator Set Data Table

| Model/Spec-<br>ification | Electrical Data |       |       |      |        | Battery<br>Voltage |
|--------------------------|-----------------|-------|-------|------|--------|--------------------|
|                          | Watts           | Volts | Hertz | Wire | Phase  |                    |
| 550DFGB/*                | 550,000         | #     | 50    | 6,12 | 1 or 3 | 24 VDC             |
| 600DFGB/*                | 600,000         | #     | 60    | 6,12 | 1 or 3 | 24 VDC             |
| 750DFGE/*                | 750,000         | #     | 60    | 6,12 | 1 or 3 | 24 VDC             |

\* – The diagonal line (/) in the model and specification number separates generator set characteristics from the specification number and letter. The specification number denotes customer requested options or deviations from the standard model. The specification letter advances (A to B, B to C, etc.) with major manufacturing changes.

# – Broad range reconnectible

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## Index

### A

Adapter, Outlet – Radiator, **25**  
Alarm, Overfill, **86**  
Alternator – 55 Amp, **30**

### B

Bar, Neutral – Circuit Breaker – IEC Conformity, **71**  
Bar, Neutral – Circuit Breaker – UL Listed, **63**  
Bar, Neutral – Circuit Breaker and Disconnect Switch –  
UL Listed, IEC Conformity, **67**  
Bar, Neutral – Disconnect Switch – Molded Case – UL  
Listed, **69**  
Belt, Alternator – 55 Amp, **30**  
Block, Terminal – Engine Coolant Heater Control, **17**  
Block, Terminal – PCC3100, **117**  
Board, Printed Circuit – Bargraph, **51**  
Board, Printed Circuit – Base, **51**  
Board, Printed Circuit – LED, **51**  
Board, Printed Circuit – Lonworks, **51**  
Box, Circuit Breaker – AC, **80**  
Box, Circuit Breaker – DFGB, **79**  
Box, Circuit Breaker – IEC Conformity, **71**  
Box, Circuit Breaker – UL Listed, **63**  
Box, Circuit Breaker and Disconnect Switch – UL  
Listed, IEC Conformity, **67**  
Box, Control – Mounting – Charger, **85**  
Box, Control – PCC2100, **51**  
Box, Disconnect Switch – Molded Case – UL Listed, **69**  
Box, Entrance – DFGB Begin Spec K, DFGE Begin  
Spec C, **33**  
Box, Entrance – Model HC4 and HC5 Generators, **31**  
Box, Entrance – Model HC6 and HC7 Generators, **32**  
Box, Terminal – Engine Coolant Heater Control, **17**  
Box, Terminal – Generator Heater, **36**  
Bracket, Retaining – Battery, **27**  
Breaker, Circuit – IEC Conformity, **71**  
Breaker, Circuit – NSJ 600 Amp – DFGB Begin Spec  
K, DFGE Begin Spec C, **73**  
Breaker, Circuit – P–Frame 800–1200 Amp – DFGB  
Begin Spec K, DFGE Begin Spec C, **75**

### C

Breaker, Circuit – R–Frame 1600–2500 Amp – DFGB  
Begin Spec K, DFGE Begin Spec C, **77**  
Breaker, Circuit – UL Listed, **63**  
Breaker, Circuit – UL Listed, IEC Conformity, **67**  
Cable, Battery, **7**  
Cable, Magnetic Pickup – PCC3100, **117**  
Cap, Pressure – Heat Exchanger, **19**  
Cap, Radiator, **25**  
Cartridge, Heater – Generator Heater, **36**  
Cleaner, Air – DFGE, **10**  
Cleaner, Air – Heavy Duty – DFGB, **9**  
Cleaner, Air – Standard – DFGB, **8**  
Cock, Drain – Heat Exchanger, **19**  
Control – PCC2100, **51**  
Control – PCC3100, **55**  
Control, Engine Coolant Heater, **17**  
Cover, Battery, **111**  
Cover, Circuit Breaker – IEC Conformity, **71**  
Cover, Circuit Breaker – UL Listed, **63**  
Cover, Circuit Breaker and Disconnect Switch – UL  
Listed, IEC Conformity, **67**  
Cover, Disconnect Switch – Molded Case – UL Listed,  
**69**  
Cover, Entrance Box – HC6 and HC7 Generators, **32**  
Cover, Entrance Box – Model HC4 and HC5 Genera-  
tors, **31**  
Cover, Muffler – Sound, **103**  
Cover, Muffler – Weather, **89**

### D

Display, Digital – Control – PCC2100, **51**  
Duct, Air, **106**

### E

Elbow, Exhaust, **12**  
Enclosure, Generator Set, **93**  
Exchanger, Heat, **19**  
Exhaust System – Sound – DFGB, **107**

## Index

Exhaust System – Sound – DFGE, **110**  
Exhaust System – Weather – DFGB, **108**  
Exhaust System – Weather – DFGE, **109**  
External Engine Parts, **7**

## F

Fan, Alternator – 55 Amp, **30**  
Fan, Radiator, **25**  
Filter, Lube Oil – DFGB, **23**  
Flange, Radiator, **25**  
Floor, Enclosure, **104**  
Fuse – Wiring Harness – PCC3100, **117**

## G

Gasket, Outlet Adapter – Radiator, **25**  
Gauge, Fuel Pressure, **11**  
Generator, **37**  
Guard, Alternator – 55 Amp, **30**  
Guard, Belt – Heat Exchanger, **21**  
Guard, Belt – Radiator, **25**  
Guard, Belt – Remote Radiator, **26**  
Guard, Damper – Heat Exchanger, **21**  
Guard, Damper – Remote Radiator, **26**  
Guard, Fan – Radiator, **25**

## H

Harness, Wiring – AC, **115**  
Harness, Wiring – Engine Coolant Heater Control, **17**  
Harness, Wiring – Engine to Control – PCC2100, **118**  
Harness, Wiring – Engine To Control – PCC3100, **117**  
Harness, Wiring – Extension, **114**  
Harness, Wiring – Ground Fault Relay – DFGB Spec J, DFGE Spec B, **56**  
Harness, Wiring – Low Battery Voltage, **58**  
Head, Lube Oil Filter – DFGB, **23**  
Heater, Control – PCC2100, **47**  
Heater, Control – PCC3100, **54**  
Heater, Engine Coolant, **15**  
Heater, Generator, **36**

Heater, Oil Pan, **22**  
Hose – Remote Radiator, **26**  
Hose, Heat Exchanger, **19**  
Hose, Lube Oil Filter – DFGB, **23**  
Hose, Oil Drain, **7**  
Hose, Overflow – Radiator, **25**  
Hose, Radiator – Upper and Lower, **25**  
Housing, Control – Model HC5 Generators – PCC2100, **39**  
Housing, Control – Model HC5 Generators – PCC3100, **43**  
Housing, Control – Model HC6 Generators – PCC2100, **41**  
Housing, Control – Model HC6 Generators – PCC3100, **45**

## I

Isolator, Vibration – Pilot Solenoid, **7**

## K

Kit Heater, Relay, **47**  
Kit, Gauge – Safety Sight – Radiator, **25**

## L

Labels, Circuit Breaker, **81**  
Labels, Miscellaneous, **113**  
Lead, Circuit Breaker – IEC Conformity, **71**  
Lead, Circuit Breaker – UL Listed, **65**  
Lead, Circuit Breaker and Disconnect Switch – UL Listed, IEC Conformity, **67**  
Lead, Disconnect Switch – Molded Case – UL Listed, **69**  
Lead, Thermocouple – Pyrometer, **60**  
Lens, Indicator – Low Battery Voltage, **58**  
Lighting, Enclosure, **91**  
Line, Flexible – Radiator, **25**  
Louver – Level 1 and 2, **101**  
Louver, Inlet, **97**  
Louver, Inlet – Components, **99**  
Louver, Outlet – Auto, **87**  
Lug, Solderless – Circuit Breaker – IEC Conformity, **71**  
Lug, Solderless – Circuit Breaker – UL Listed, **63**

## Index

Lug, Solderless – Circuit Breaker and Disconnect Switch – UL Listed, IEC Conformity, **67**  
Lug, Solderless – Disconnect Switch – Molded Case – UL Listed, **69**

## M

Module, Alarm, **59**  
Mounting, 15 Amp Charger, **82**  
Mounting, Control Box – PCC2100, **46**  
Mounting, Control Box – PCC3100, **53**  
Mounting, Generator, **35**

## P

Paint, **5**  
Pickup, Magnetic, **7**  
Pulley, Alternator – 55 Amp, **30**  
Pump, Fuel, **88**  
Pyrometer, **60**

## R

Radiator, **25**  
Radiator, Remote, **26**  
Rail, Enclosure – Control – PCC2100, **49**  
Receptacle, External, **90**  
Relay, Control – PCC2100, **48**  
Relay, Ground Fault – DFGB Begin Spec K, DFGE Begin Spec C, **57**  
Relay, Ground Fault – DFGB Spec J, DFGE Spec B, **56**  
Relay, Power – Engine Coolant Heater Control, **17**

## S

Sealant, Thread, **5**  
Sender, Oil Pressure, **7**  
Sender, Oil Temperature – Engine Block, Oil Pan, **7**  
Sensor – Low Battery Voltage, **58**  
Shroud, Fan – Radiator, **25**  
Skid, **27**

Solenoid, Pilot, **7**  
Standoff, Insulator – Circuit Breaker – IEC Conformity, **71**  
Standoff, Insulator – Circuit Breaker – UL Listed, **63**  
Standoff, Insulator – Circuit Breaker and Disconnect Switch – UL Listed, IEC Conformity, **67**  
Standoff, Insulator – Disconnect Switch – Molded Case – UL Listed, **69**  
Starter, Air, **29**  
Strip, Marker – Engine Coolant Heater Control, **17**  
Support, Flywheel Housing, **27**  
Switch, Disconnect – Molded Case – UL Listed, **69**  
Switch, Disconnect – UL Listed, IEC Conformity, **67**  
Switch, Emergency Stop, **94**  
Switch, Key Operator, **112**  
System, Mounting, **28**

## T

Tank, Fuel, **105**, **105**  
Tank, Water – Heat Exchanger, **19**  
Transformer, Current, **61**  
Trip, Shunt – Circuit Breaker – UL Listed, IEC Conformity, **67**  
Tube, Fill – Radiator, **25**  
Tube, Outlet – Heat Exchanger, **19**  
Tube, Radiator – Inlet and Outlet, **25**

## V

Valve – Fuel Pressure Gauge, **11**  
Valve – Handwheel – Heat Exchanger, **19**  
Valve, Shutoff – Oil Drain, **7**  
Valve, Shutoff – Radiator, **25**  
Valve, Water – Heat Exchanger, **19**  
Valve, Water Solenoid – Heat Exchanger, **19**  
Voltage, Low Battery, **58**

## W

Wrapper, Fan – Radiator, **25**

## Abbreviations

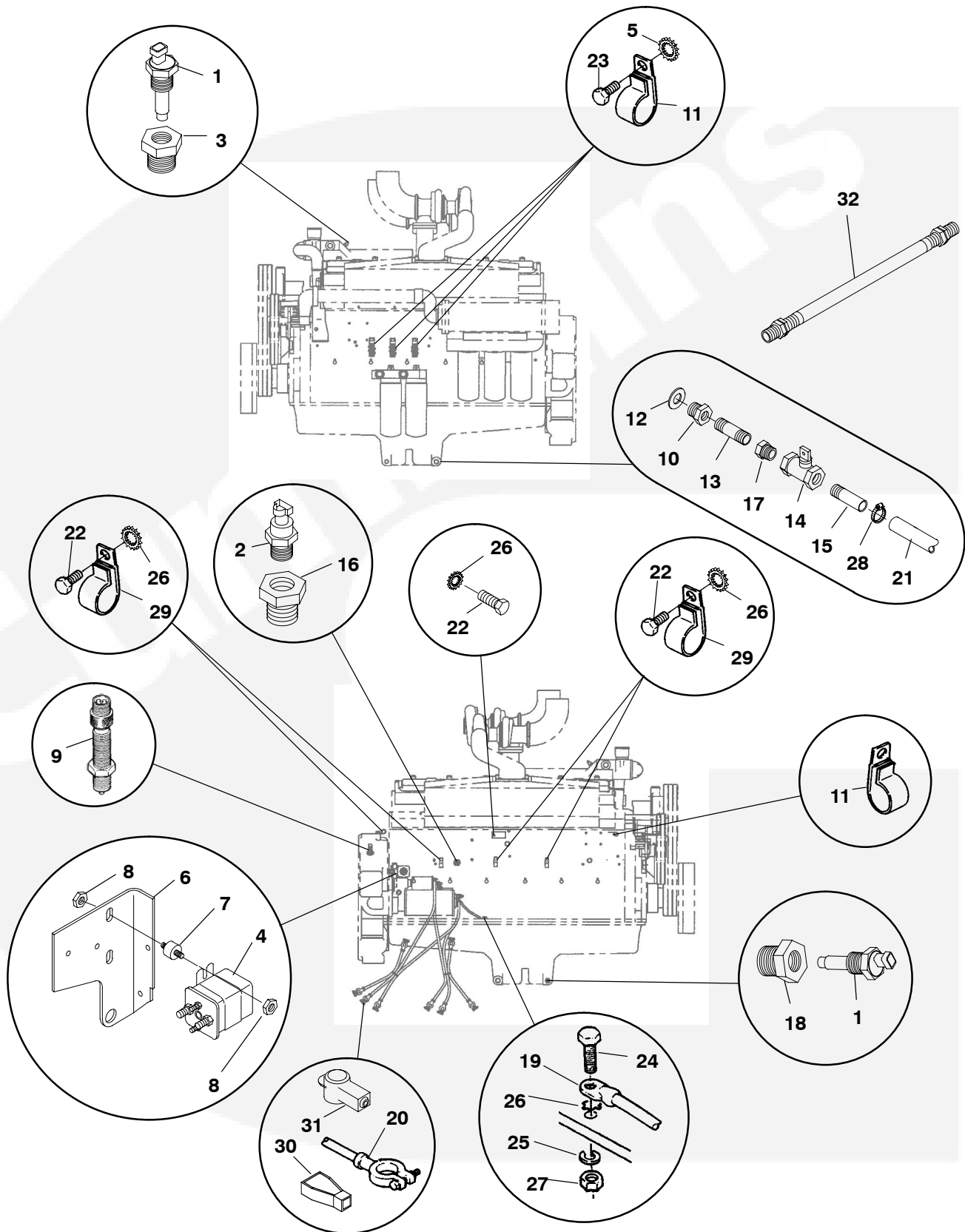
Some of the following abbreviations may be used throughout this Parts Catalog:

|                 |                                           |                 |                                |
|-----------------|-------------------------------------------|-----------------|--------------------------------|
| 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

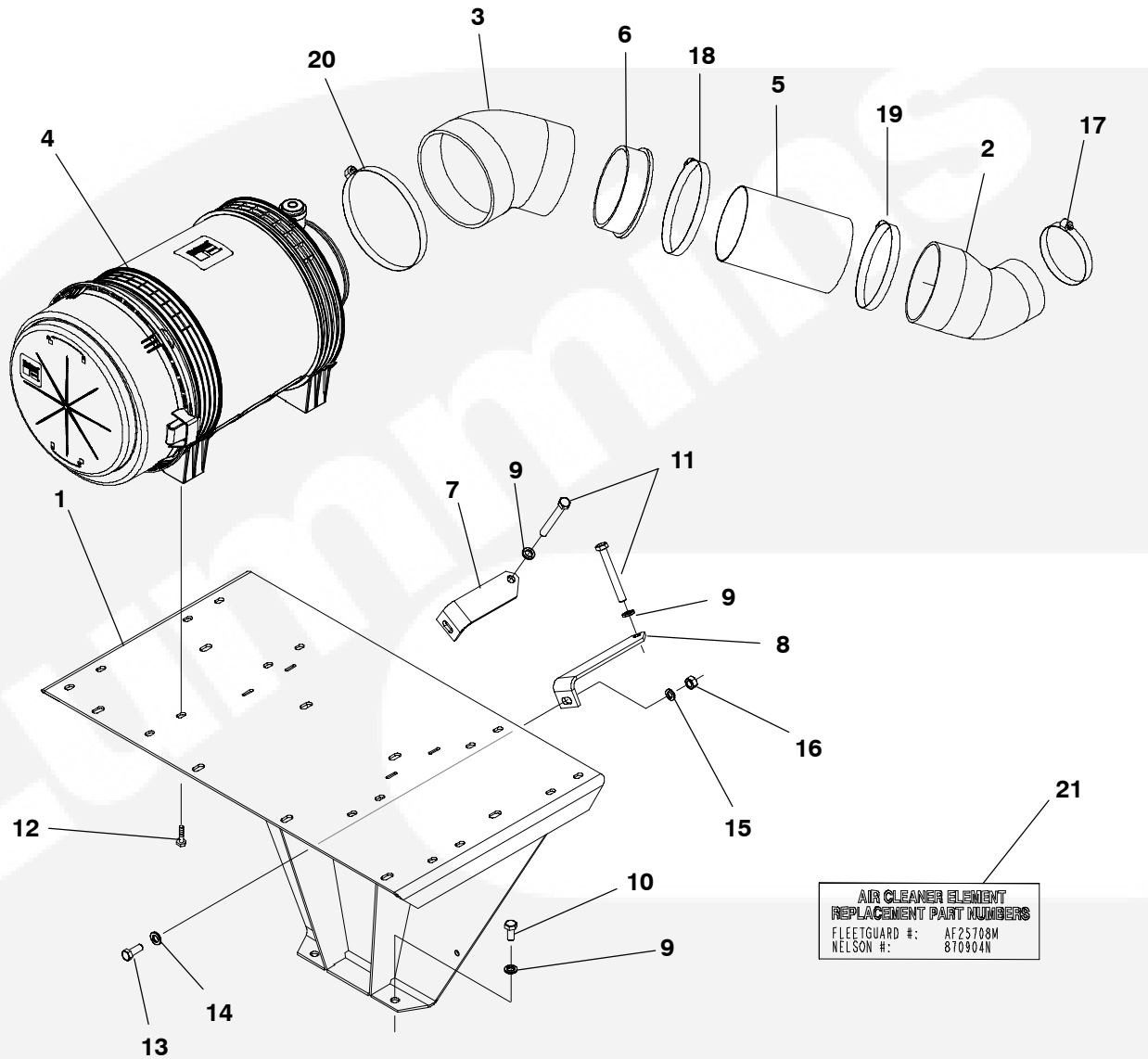




## External Engine Parts

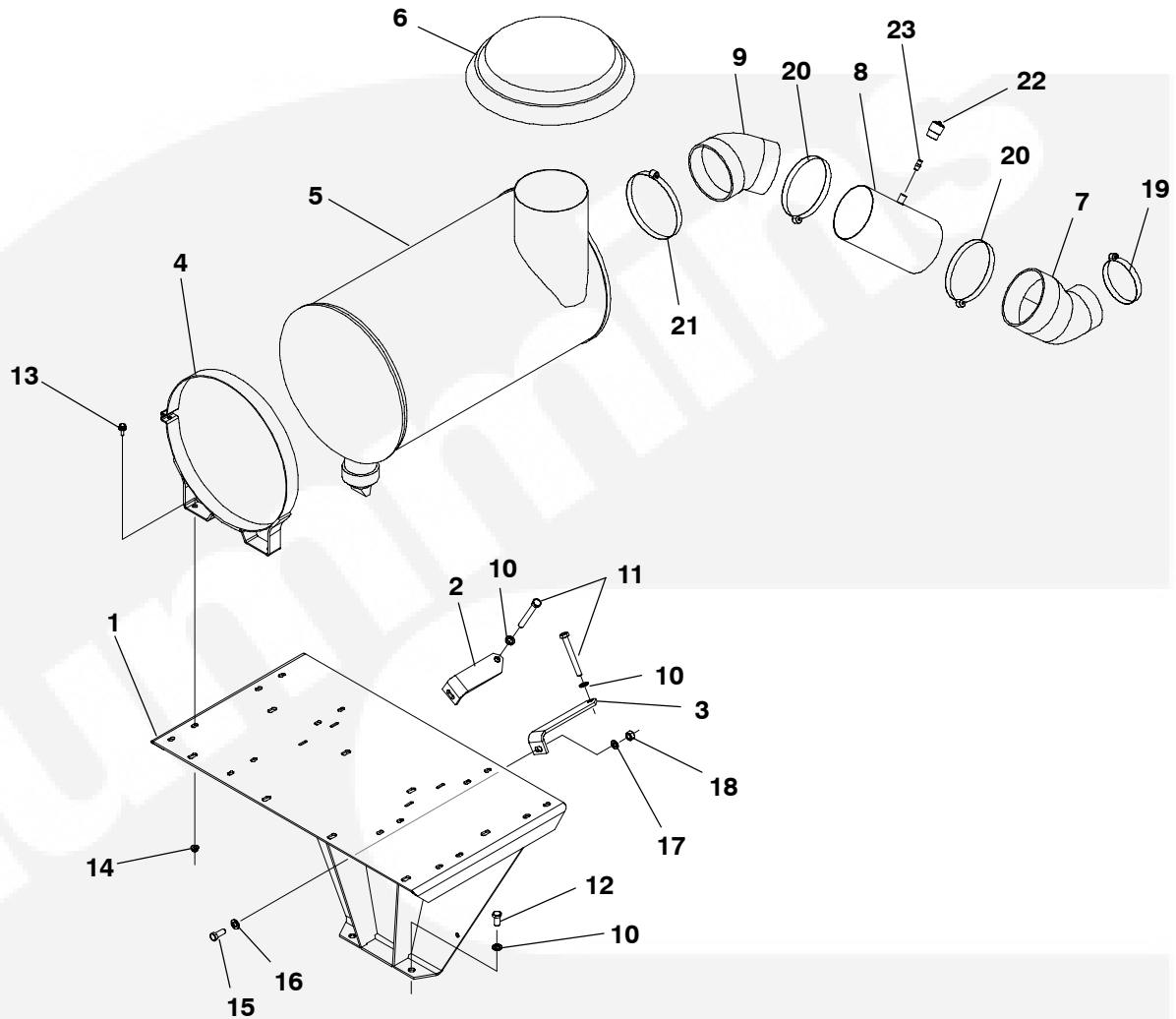
| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                       | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                  |
|---------|-------------|----------|----------------------------------------|---------|-------------|----------|---------------------------------------------------|
| 1       | 193-0529-01 | 1        | Sender, Oil Temperature                | 20      |             |          | Cable, Battery (#2/0)                             |
| 2       | 193-0444    | 1        | Sender, Oil Pressure (S1)              |         | 416-0446    | 2        | 12-1/2" (Jumper)                                  |
| 3       | 505-0019    | 2        | Bushing, Pipe – Reducer (1/2" to 3/8") |         | 416-0964    | 2        | 35"                                               |
|         |             |          |                                        |         | 416-0639    | 2        | 60"                                               |
| 4       | 307-2621-02 | 1        | Solenoid, Pilot (K4)                   | 21      | 503-0249    | –        | Hose – Bulk (Order by the Foot – 3 Feet Required) |
| 5       | 856-0010    | 3        | Washer, Lock – EIT (3/8")              | 22      | 800-0090    | 5        | Screw, Cap – Hex Head (1/2-13 x 1")               |
| 6       | 319-2236    | 1        | Bracket, Mounting                      |         |             |          |                                                   |
| 7       | 402-0610    | 2        | Isolator, Vibration                    | 23      | 821-0029    | 3        | Screw, Locking – Hex Washer Head (3/8-16 x 3/4")  |
| 8       | 870-0212    | 4        | Nut, Locking (1/4-20)                  |         |             |          |                                                   |
| 9       | 151-0411    | 1        | Pickup, Magnetic                       | 24      | 800-0093    | 1        | Screw, Cap – Hex Head (1/2-13 x 1-3/4")           |
| 10      | 102-1335    | 1        | Plug, Oil Drain                        |         |             |          |                                                   |
| 11      | 332-2634    | 4        | Clamp, "J"                             | 25      | 850-0060    | 1        | Washer, Lock – Spring (1/2")                      |
| 12      | 508-0292    | 1        | Washer, Sealing – Copper               | 26      | 856-0013    | 6        | Washer, Lock – EIT (1/2")                         |
| 13      | 505-0100    | 1        | Nipple, Pipe – Close (1/2")            | 27      | 862-0016    | 1        | Nut, Hex (1/2-13)                                 |
| 14      | 504-0171    | 1        | Valve, Shutoff                         | 28      | 503-0189    | 1        | Clamp, Hose                                       |
| 15      | 505-0324    | 1        | Nipple, Pipe – Half (3/4" x 2")        | 29      | 332-2921    | 4        | Clamp, "J"                                        |
| 16      | 505-1503    | 1        | Adapter, Pipe (1/8")                   | 30      | 416-1019    | 2        | Boot, Battery – Red                               |
| 17      | 505-0021    | 1        | Bushing, Pipe – Reducer (3/4" to 1/2") | 31      | 416-1084-01 | 2        | Boot, Starter – Red                               |
| 18      | 505-0131    | 1        | Bushing, Pipe – Reducer (3/4" to 3/8") | 32      |             |          | Line, Flexible Fuel                               |
|         |             |          |                                        |         | 501-0701    | 1        | Fuel In                                           |
| 19      | 416-0680    | 1        | Cable, Starter (10") (#2/0)            |         | 501-0700    | 1        | Fuel Out                                          |

# Air Cleaner Standard DFGB



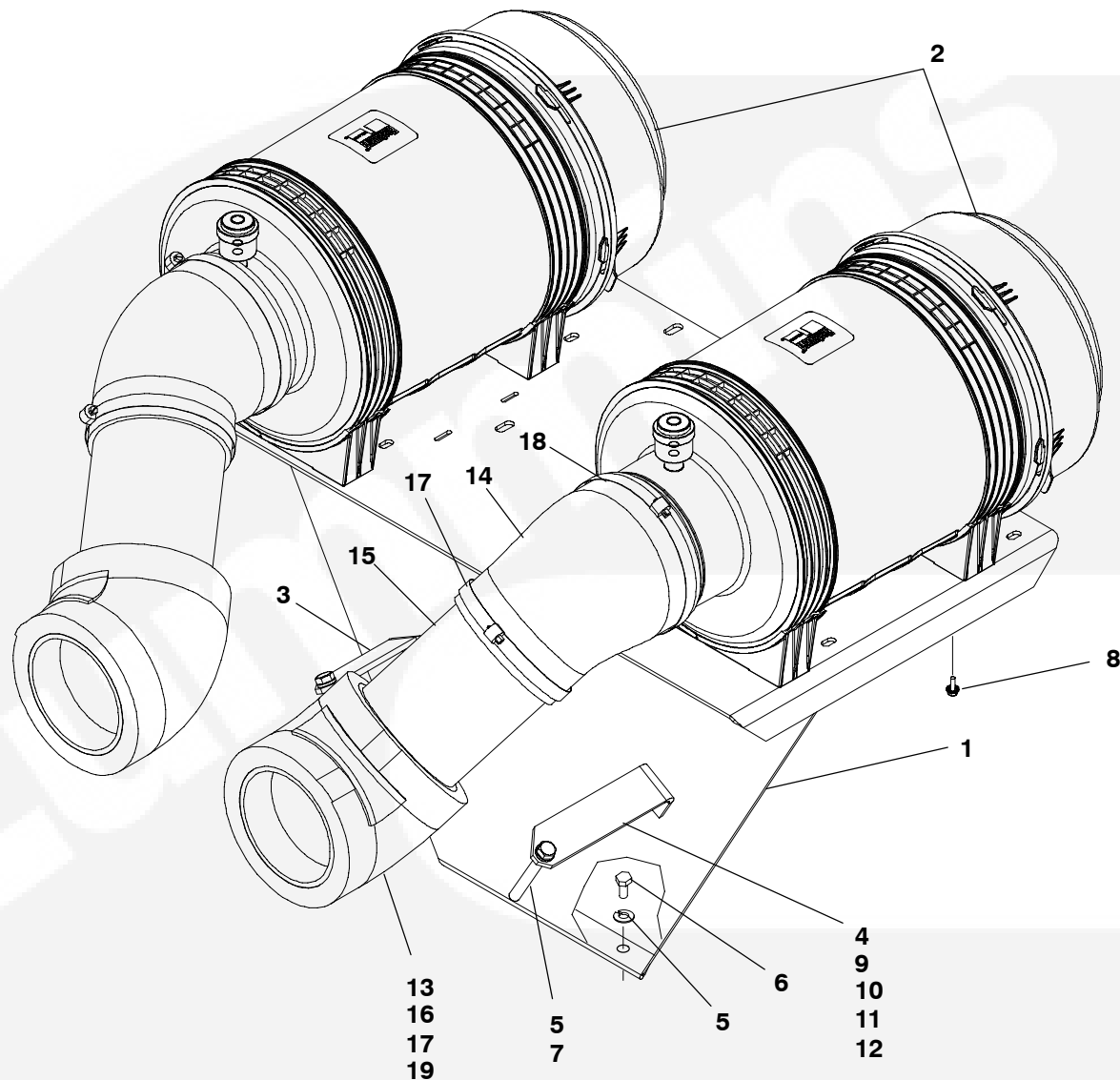
| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                      | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                         |
|---------|-------------|----------|---------------------------------------|---------|-------------|----------|------------------------------------------|
| 1       | 140-3349-02 | 1        | Bracket, Air Cleaner                  | 12      | 821-6003-02 | 8        | Screw, Hex Head (M8 x 1.25 x 20)         |
| 2       | 503-2276    | 2        | Elbow, Reducer                        | 13      | 800-3017-54 | 2        | Screw, Cap - Hex Head (M12 x 1.75 x 30)  |
| 3       | 503-1717    | 2        | Elbow, Reducer - 45°                  | 14      | 526-0399-64 | 4        | Washer, Flat (M12)                       |
| 4       | 140-3288-02 | 2        | Housing, Air Cleaner                  | 15      | 850-0114-56 | 2        | Washer, Lock - Split (M12)               |
| 5       | 140-3363-02 | 2        | Tube, Air Cleaner - Inlet             | 16      | 862-0026-57 | 2        | Nut, Hex (M12)                           |
| 6       | 503-1720    | 2        | Insert, Reducer (5.5 x 6.5)           | 17      | 503-1870-07 | 2        | Clamp, Hose                              |
| 7       | 140-2606-01 | 1        | Bracket, Air Cleaner - Mounting       | 18      | 503-1870-11 | 2        | Clamp, Hose                              |
| 8       | 140-2606-02 | 1        | Bracket, Air Cleaner - Mounting       | 19      | 503-1870-12 | 2        | Clamp, Hose                              |
| 9       | 850-0060    | 4        | Washer, Lock - Split (1/2)            | 20      | 503-1870-14 | 2        | Clamp, Hose                              |
| 10      | 800-0091    | 2        | Screw, Cap - Hex Head (1/2-13 x 1.25) | 21      | 098-7954    | 2        | Label, Information - Element Replacement |
| 11      | 800-0102    | 2        | Screw, Cap - Hex Head (1/2-13 x 4.00) |         |             |          |                                          |

# Air Cleaner Heavy Duty DFGB



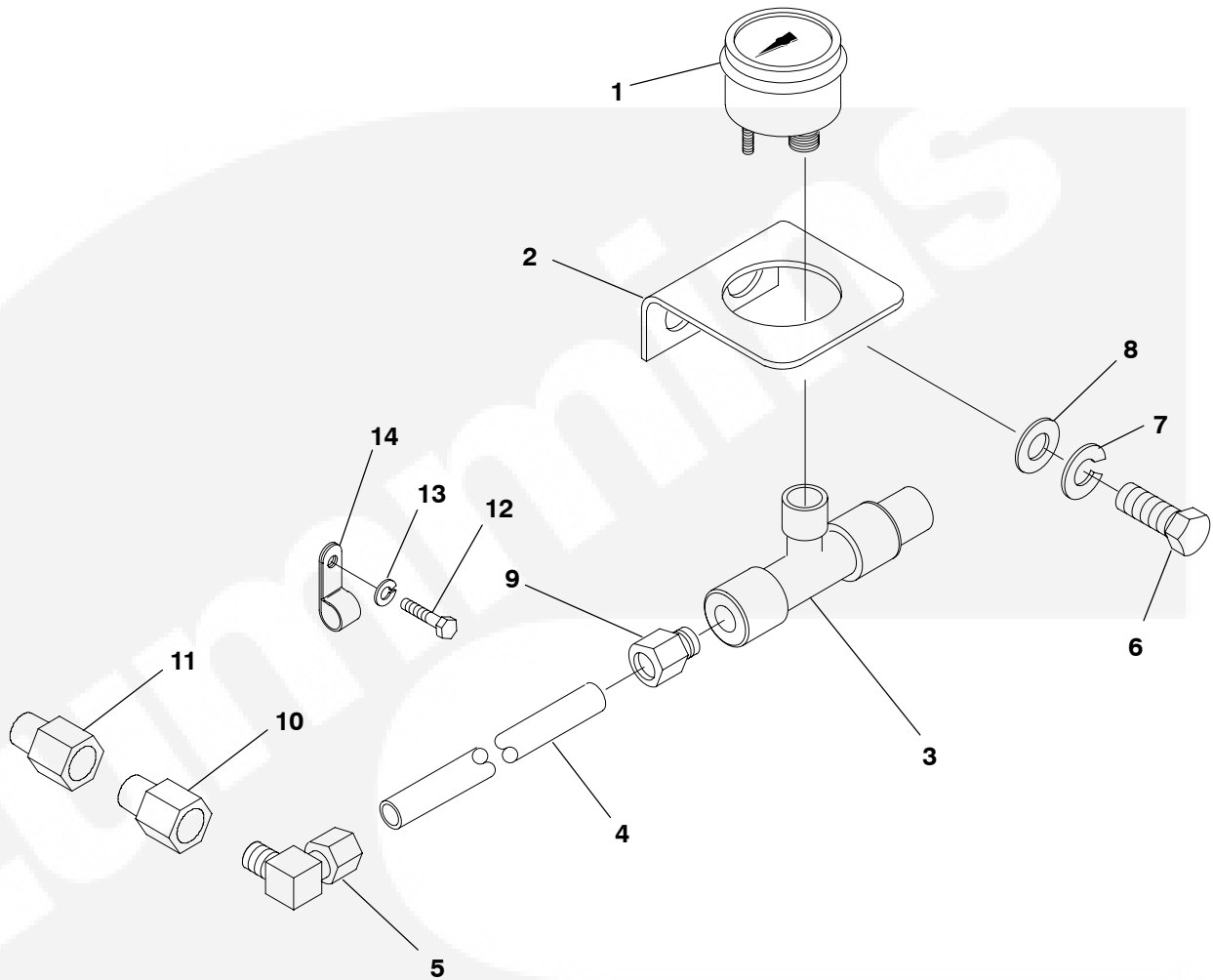
| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                             | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                        |
|---------|-------------|----------|----------------------------------------------|---------|-------------|----------|-----------------------------------------|
| 1       | 140-3349-02 | 1        | Bracket, Air Cleaner                         | 12      | 800-0102    | 2        | Screw, Cap - Hex Head (1/2-13 x 4.00)   |
| 2       | 140-2606-01 | 1        | Bracket, Air Cleaner - Mounting              | 13      | 821-6003-02 | 8        | Screw, Hex Head (M8 x 1.25 x 20)        |
| 3       | 140-2606-02 | 1        | Bracket, Air Cleaner - Mounting              | 14      | 870-2065-03 | 8        | Nut, Hex - Flange                       |
| 4       | 140-2052    | 4        | Band, Mounting (16.00)                       | 15      | 800-3017-54 | 2        | Screw, Cap - Hex Head (M12 x 1.75 x 30) |
| 5       | 140-2301    | 2        | Cleaner, Air (Includes Replacement Elements) | 16      | 526-0399-64 | 2        | Washer, Flat (M12)                      |
|         | 140-2465    | 2        | Primary                                      | 17      | 850-0114-56 | 2        | Washer, Lock - Split (M12)              |
|         | 140-2466    | 2        | Safety                                       | 18      | 862-0026-57 | 2        | Nut, Hex (M12)                          |
| 6       | 140-1545    | 2        | Hood                                         | 19      | 503-1870-07 | 2        | Clamp, Hose                             |
| 7       | 503-2276    | 2        | Elbow, Hose                                  | 20      | 503-1870-11 | 4        | Clamp, Hose                             |
| 8       | 140-2607-03 | 2        | Tube, Air Cleaner - Inlet                    | 21      | 503-1870-12 | 2        | Clamp, Hose                             |
| 9       | 503-1722    | 2        | Elbow, Reducer - 45°                         | 22      | 140-1260    | 2        | Fitting, Safety Filter                  |
| 10      | 850-0060    | 4        | Washer, Lock - Split (1/2)                   | 23      | 140-1548    | 2        | Indicator, Service                      |
| 11      | 800-0090    | 2        | Screw, Cap - Hex Head (1/2-13 x 1.00)        |         |             |          |                                         |

## Air Cleaner DFGE



| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                      | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                        |
|---------|-------------|----------|---------------------------------------|---------|-------------|----------|-----------------------------------------|
| 1       | 140-3349-02 | 1        | Bracket, Air Cleaner                  | 9       | 526-0399-64 | 4        | Washer, Flat (M12)                      |
| 2       | 140-3288-02 | 2        | Housing, Air Cleaner                  | 10      | 850-0114-56 | 2        | Washer, Lock - Split (M12)              |
| 3       | 140-2606-01 | 1        | Bracket, Air Cleaner - Mounting       | 11      | 862-0026-57 | 2        | Nut, Hex (M12)                          |
| 4       | 140-2606-02 | 1        | Bracket, Air Cleaner - Mounting       | 12      | 800-3017-54 | 2        | Screw, Cap - Hex Head (M12 x 1.75 x 30) |
| 5       | 850-0060    | 4        | Washer, Lock - Split (1/2)            | 13      | 503-1722    | 2        | Elbow, Reducer                          |
| 6       | 800-0091    | 2        | Screw, Cap - Hex Head (1/2-13 x 1.25) | 14      | 503-1717    | 2        | Elbow, Reducer - 45°                    |
| 7       | 800-0102    | 2        | Screw, Cap - Hex Head (1/2-13 x 4.00) | 15      | 140-3444-02 | 2        | Tube, Air Cleaner                       |
| 8       | 821-6003-02 | 8        | Screw, Hex Head (M8 x 1.25 x 20)      | 16      | 503-1870-11 | 2        | Clamp, Hose                             |
|         |             |          |                                       | 17      | 503-1870-12 | 4        | Clamp, Hose                             |
|         |             |          |                                       | 18      | 503-1870-14 | 2        | Clamp, Hose                             |
|         |             |          |                                       | 19      | 155-3700    | 2        | Shield, Heat                            |

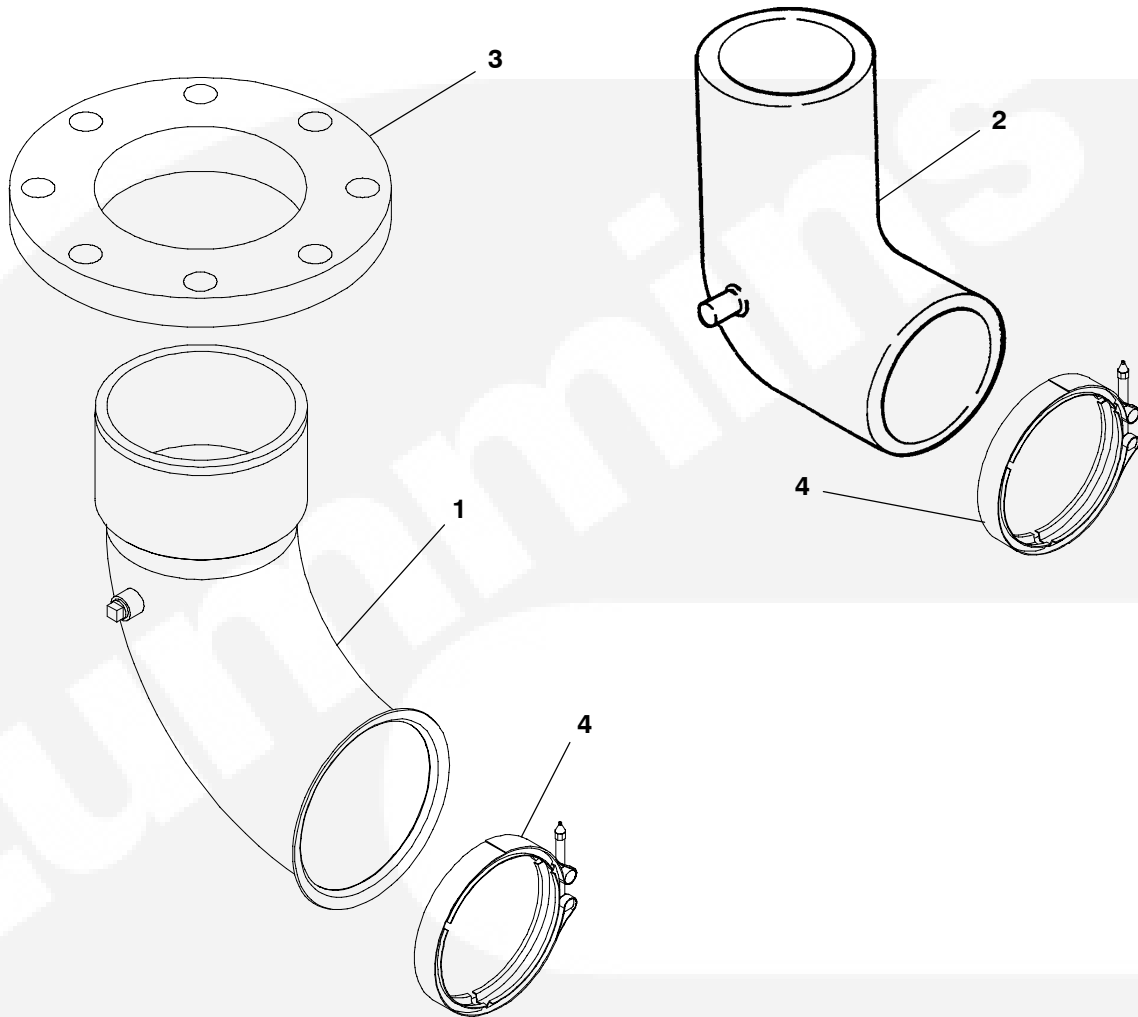
## Fuel Pressure Gauge



| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                              |
|---------|-------------|----------|---------------------------------------------------------------|
| 1       | 193-0540    | 1        | Gauge, Fuel Pressure (0-200 Lbs) (Includes Mounting Hardware) |
| 2       | 193-0029    | 1        | Bracket, Mounting                                             |
| 3       | 504-0064    | 1        | Valve                                                         |
| 4       | 149-2291-01 | 1        | Tube, Copper (7')                                             |
| 5       | 502-0034    | 1        | Elbow, Male - Compression                                     |
| 6       | 800-2085    | 1        | Screw, Cap - Hex Head (M10 x 20mm)                            |

| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                   |
|---------|-------------|----------|------------------------------------|
| 7       | 850-2010    | 1        | Washer, Lock - Spring (M10)        |
| 8       | 526-0029    | 1        | Washer, Flat (3/8")                |
| 9       | 502-0067    | 1        | Connector, Comp. - Male            |
| 10      | 140-1260-01 | 1        | Fitting, Safety Filter             |
| 11      | 502-1302    | 1        | Adapter, Fuel Line                 |
| 12      | 800-0050    | 2        | Screw, Cap - Hex Head (3/8-16 x 1) |
| 13      | 850-0050    | 2        | Washer, Lock (3/8)                 |
| 14      | 518-0350    | 2        | Clamp, Insulated                   |

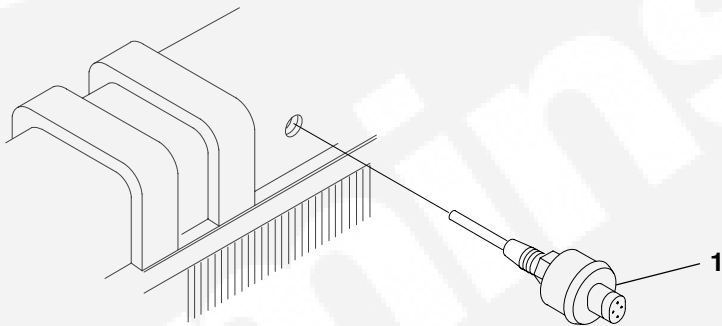
## Exhaust Elbow



| REF NO. | PART NO. | QTY USED | PART DESCRIPTION                       |
|---------|----------|----------|----------------------------------------|
| 1       | 155-2409 | 2        | Elbow, Exhaust (5" OD With Threads)    |
| 2       | 155-1241 | 2        | Elbow, Exhaust (5" OD Without Threads) |

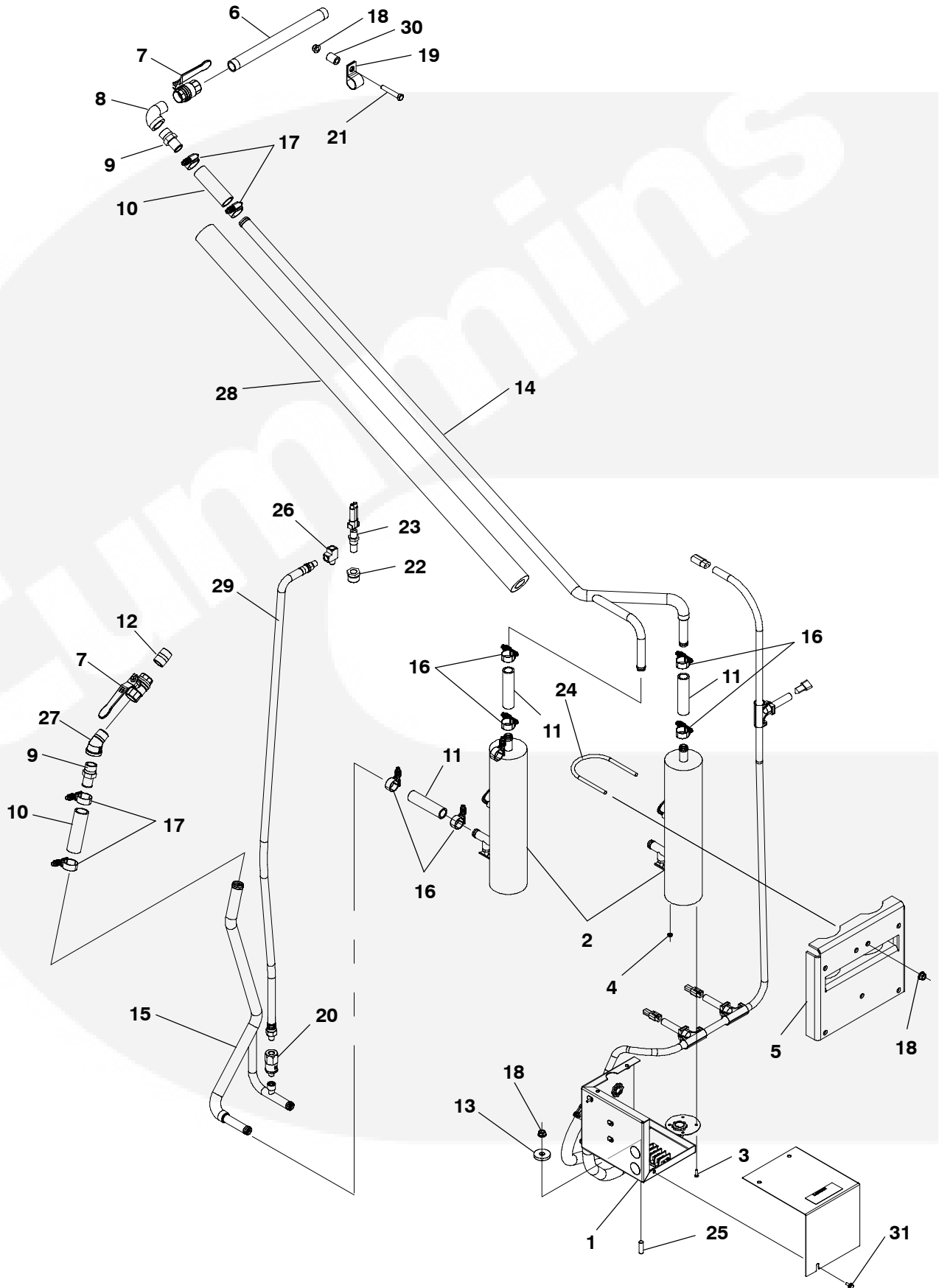
| REF NO. | PART NO. | QTY USED | PART DESCRIPTION  |
|---------|----------|----------|-------------------|
| 3       | 155-0658 | 2        | Flange, Companion |
| 4       | 503-1575 | 2        | Clamp, V Band     |

Low Coolant Level Sender



| REF NO. | PART NO. | QTY USED | PART DESCRIPTION               | REF NO. | PART NO. | QTY USED | PART DESCRIPTION |
|---------|----------|----------|--------------------------------|---------|----------|----------|------------------|
| 1       | 193-0468 | 1        | Sender, Low Coolant Level (S7) |         |          |          |                  |

# Engine Coolant Heater

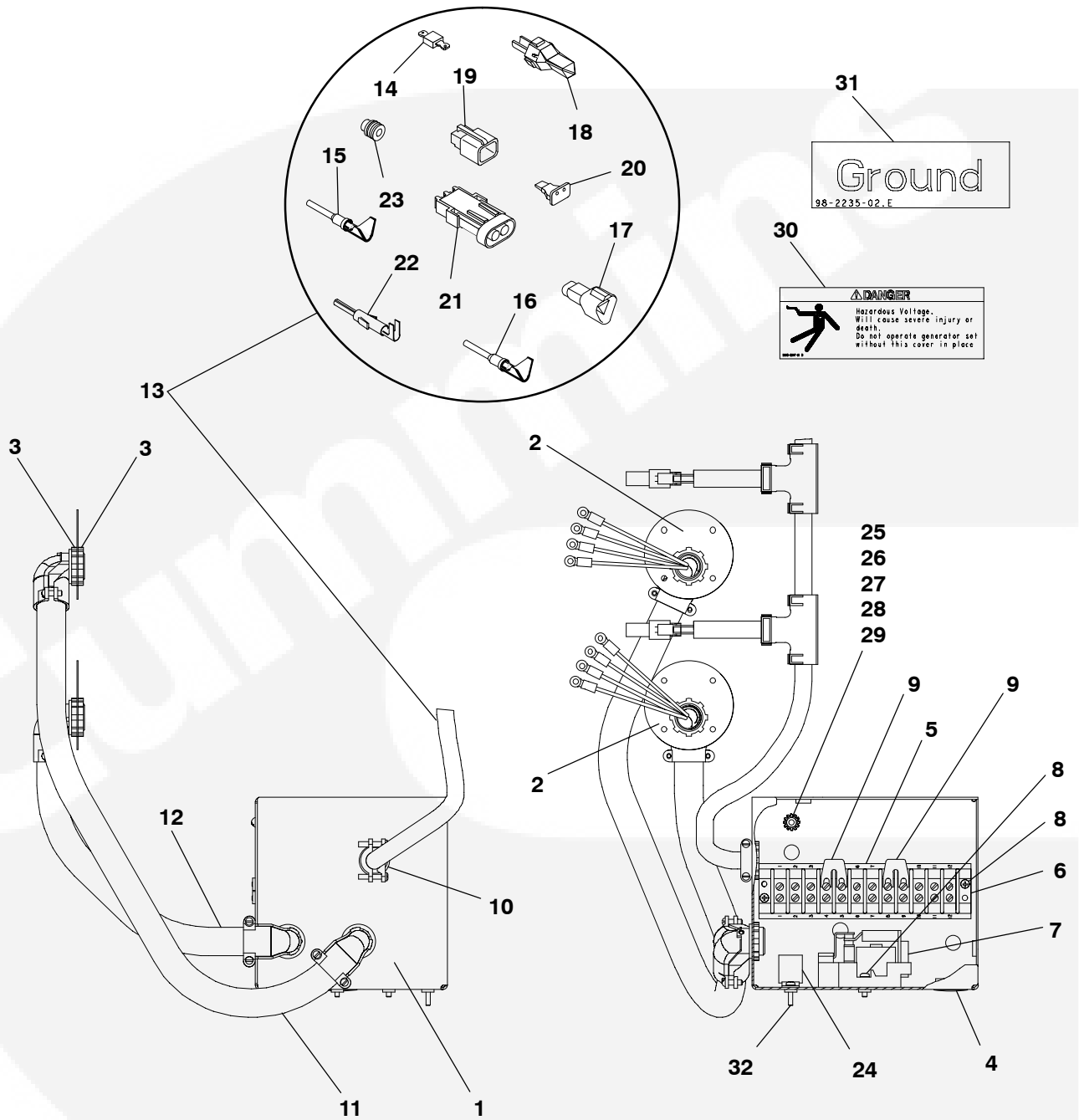




## Engine Coolant Heater

| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                                           | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                              |
|---------|-------------|----------|----------------------------------------------------------------------------|---------|-------------|----------|---------------------------------------------------------------|
| 1       |             | 1        | Control Assembly, Engine Coolant Heater (See Separate Page For Components) | 15      | 130-5852-02 | 1        | Tube, Water Heater                                            |
| 2       |             |          | Heater, Engine Coolant                                                     | 16      | 503-2157-01 | 8        | Clamp, Hose                                                   |
|         | 333-0677-01 | 2        | 4990 Watt                                                                  | 17      | 503-1872-01 | 4        | Clamp, Hose                                                   |
|         | 333-0677-02 | 2        | 6420 Watt                                                                  | 18      | 870-0550-09 | 10       | Nut, Hex - Flange (3/8-16)                                    |
| 3       | 815-0539    | 6        | Screw, Pan Head - Cross Recessed - W/ET (#8-32 x .625)                     | 19      | 518-0548-20 | 1        | Clamp, Hose                                                   |
| 4       | 870-0131    | 6        | Nut - W/ET                                                                 | 20      | 504-0215    | 1        | Valve, Check                                                  |
| 5       | 130-4582    | 1        | Bracket, Water Heater                                                      | 21      | 800-0055    | 1        | Screw, Cap - Hex Head (3/8-16 x 1.5)                          |
| 6       | 505-0363    | 1        | Nipple, Pipe (3/4 x 12.00)                                                 | 22      | 502-1337    | 1        | Adapter, Coolant Heater                                       |
| 7       | 504-0229    | 2        | Valve, Ball                                                                | 23      | 309-0649    | 1        | Thermostat                                                    |
| 8       | 505-0051    | 1        | Elbow, Street - 90° (3/4)                                                  | 24      | 155-3021    | 2        | Clamp, Water Heater                                           |
| 9       | 502-0971    | 2        | Connector, Hose                                                            | 25      | 520-0544    | 5        | Stud, Generator - Mounting                                    |
| 10      | 503-1634    | 2        | Hose, Silicon Rubber                                                       | 26      | 505-2037    | 1        | Tee, Pipe (1/4)                                               |
| 11      | 503-1634-01 | 4        | Hose, Silicon Rubber                                                       | 27      | 505-2087    | 1        | Elbow, Street - 45° (3/4)                                     |
| 12      | 505-0293    | 1        | Nipple, Pipe (3/4 x 1.38)                                                  | 28      | 128-0108    | -        | Insulation, Hose - Bulk (Order by the Foot - 4 Feet Required) |
| 13      | 526-0128    | 2        | Washer, Flat                                                               | 29      | 501-0744-01 | 1        | Hose, Coolant                                                 |
| 14      | 130-5666-02 | 1        | Tube, Water Heater                                                         | 30      | 191-2034-01 | 1        | Spacer, Alternator Bracket                                    |
|         |             |          |                                                                            | 31      | 821-5002-03 | 4        | Screw, Hex Head (1/4-20 x .50)                                |

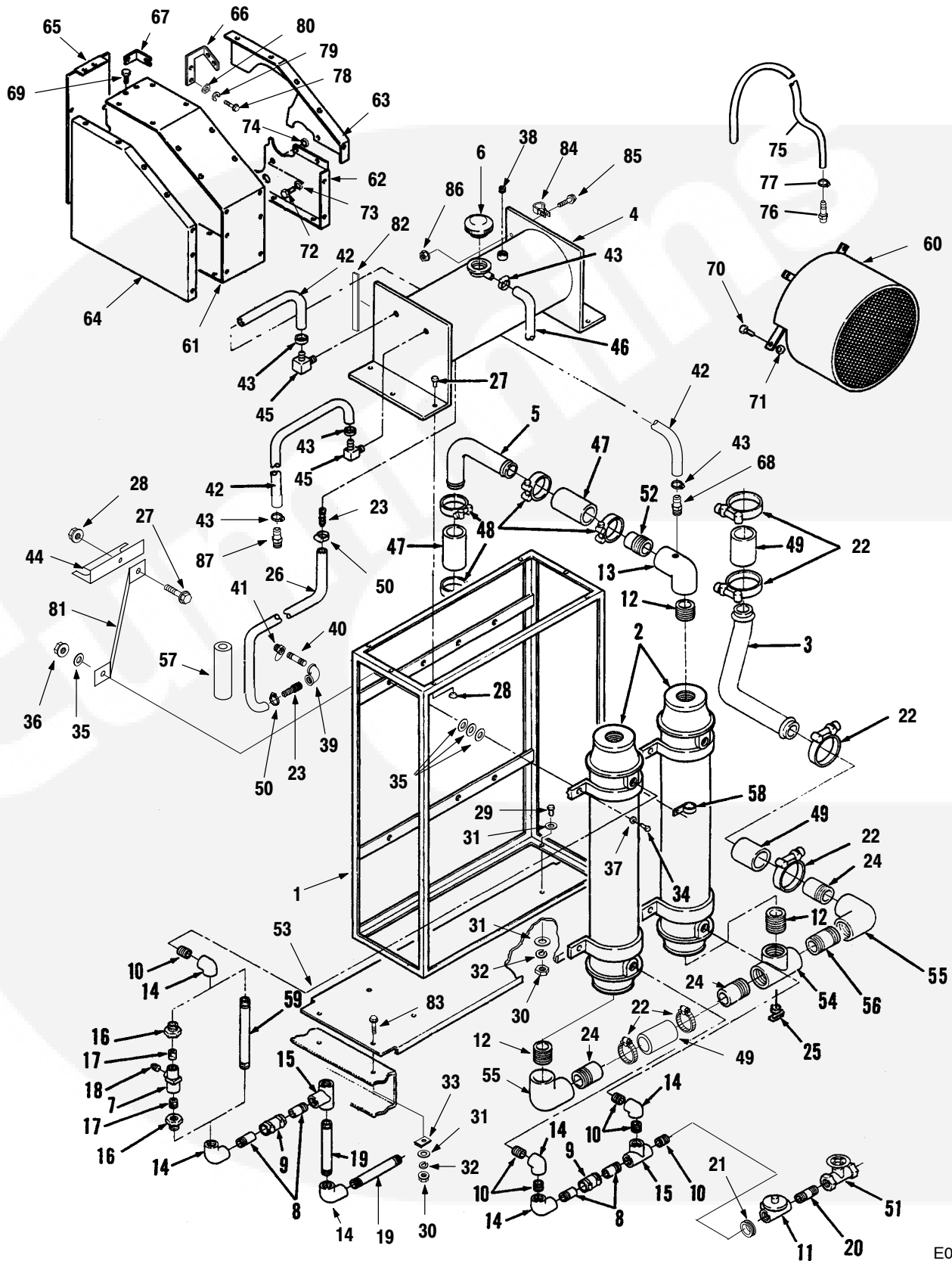
# Engine Coolant Heater Control



## Engine Coolant Heater Control

| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                                                 | REF NO.                                          | PART NO.    | QTY USED | PART DESCRIPTION                                                         |
|---------|-------------|----------|----------------------------------------------------------------------------------|--------------------------------------------------|-------------|----------|--------------------------------------------------------------------------|
| 1       | 319-4787-02 | 1        | Box, Terminal                                                                    | 18                                               | 323-1502    | 1        | *Wedge, Receptacle (Used With J3)                                        |
| 2       | 130-4552    | 2        | Cover, Coolant Heater                                                            | 19                                               | 323-1504    | 2        | *Connector, Plug (2 Pin) (P4, P5)                                        |
| 3       | 331-0555    | 6        | Nut, Connector Lock (3/4-14)                                                     | 20                                               | 323-1500    | 2        | *Wedge, Plug (Used With P4, P5)                                          |
| 4       | 517-0138-02 | 2        | Plug, Hole (Fits 1-1/8" Hole)                                                    | 21                                               | 323-1652    | 1        | *Connector, Plug - 2-Way (2 Pin) (P11)                                   |
| 5       | 332-1469    | 1        | Strip, Marker                                                                    | 22                                               | 323-1718    | 2        | *Pin, Contact (Used In P11)                                              |
| 6       | 332-1468    | 1        | Block, Terminal - 12 Place (TB1)                                                 | 23                                               | 323-1445    | 2        | *Seal, Cable (Used With P11)                                             |
| 7       | 307-2859    | 1        | Relay, Power - 24VDC (K11)                                                       | 24                                               | 307-2817-02 | 1        | Relay                                                                    |
| 8       | 815-0447    | 4        | Screw, Machine - Round Head - Cross Recessed W/IT - Thread Forming (#8-32 x .75) | 25                                               | 815-0203    | 1        | Screw, Round Head - Brass - W/ET (#10-32 x 7/8)                          |
| 9       | 332-3440    | 2        | Jumper, Terminal                                                                 | 26                                               | 856-0003    | 1        | Washer, Lock - W/EIT (#10)                                               |
| 10      | 331-0042    | 1        | Connector, Wiring - DC - Romex (3/4")                                            | 27                                               | 871-0010    | 1        | Nut, Hex - Brass (#10-32)                                                |
| 11      | 338-4105-13 | 1        | Harness, Wiring - AC (Includes Conduit Connectors)                               | 28                                               | 526-0049    | 2        | Washer, Flat - Brass (#10)                                               |
| 12      | 338-4105-11 | 1        | Harness, Wiring - AC (Includes Conduit Connectors)                               | 29                                               | 870-0131    | 1        | Nut, Hex - W/ET (#10-32)                                                 |
| 13      | 338-4287    | 1        | Harness, Wiring - DC (Includes Parts Marked *)                                   | 30                                               | 098-5347-01 | 1        | Label, Danger                                                            |
| 14      | 357-0030    | 1        | *Rectifier (6 Amp) (Located at K11 End of Harness) (CR1)                         | 31                                               | 098-2235-02 | 1        | Label, Ground                                                            |
| 15      | 323-1491    | 3        | *Pin, Contact (Used In J3)                                                       | 32                                               | 815-0446    | 1        | Screw, Round Head - Cross Recessed - Thread Cutting - W/IT (#8-32 x .50) |
| 16      | 323-1492    | 4        | *Socket, Contact (Used In P4, P5)                                                | * - Parts Included in 338-4287 DC Wiring Harness |             |          |                                                                          |
| 17      | 323-1494    | 1        | *Connector, Receptacle (3 Pin) (J3)                                              |                                                  |             |          |                                                                          |

# Heat Exchanger



E079

## Heat Exchanger

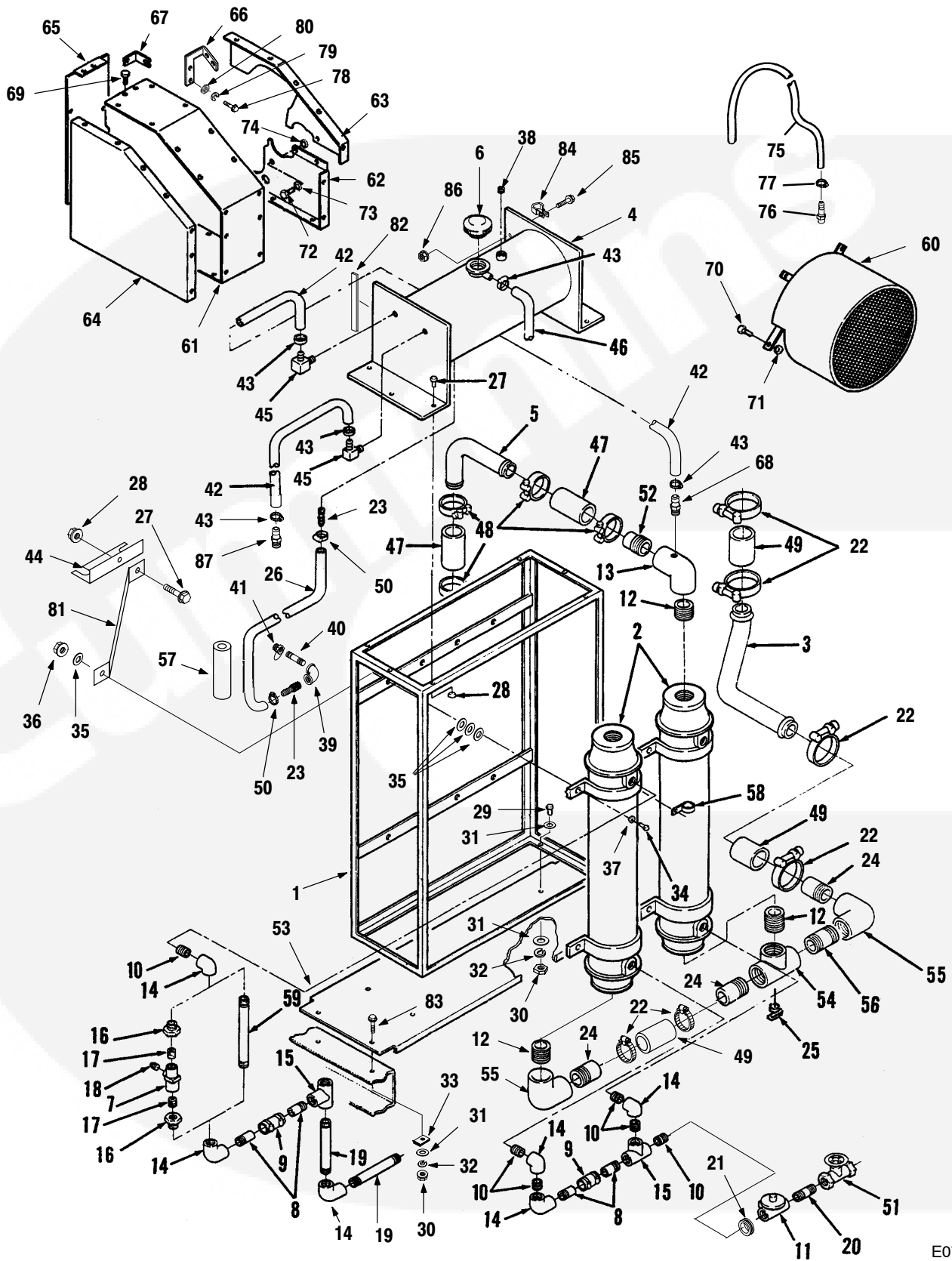
| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                    | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                                                                          |
|---------|-------------|----------|-----------------------------------------------------|---------|-------------|----------|-----------------------------------------------------------------------------------------------------------|
| 1       | 403-1691    | 1        | Frame, Heat Exchanger                               | 35      | 526-0098    | 22       | Washer, Flat (7/16") (Some used as spacers on heat exchanger mounting clamps) (Quantity Used As Required) |
| 2       | 130-1430    | 2        | Exchanger, Heat                                     |         |             |          | Nut, Hex (7/16-14)                                                                                        |
| 3       | 130-3875    | 1        | Tube, Outlet                                        | 36      | 862-0004    | 8        | Washer, Lock - Spring (7/16")                                                                             |
| 4       | 130-1515    | 1        | Tank, Water                                         | 37      | 850-0055    | 8        | Pipe, Plug - Countersunk (1/4")                                                                           |
| 5       | 130-3876    | 2        | Tube (90° x 3" OD)                                  | 38      | 505-0180    | 2        | Elbow, Pipe - 90° (1")                                                                                    |
| 6       | 130-0449    | 1        | Cap, Pressure                                       | 39      | 505-0041    | 1        | Nipple, Pipe - Close (1")                                                                                 |
| 7       | 505-1072    | 2        | * Valve, Water                                      | 40      | 505-0004    | 1        | Bushing, Pipe - Reducer (1-1/4" to 1")                                                                    |
| 8       | 505-1087    | 4        | Nipple, Pipe - Half (2" x 6")                       | 41      | 505-0023    | 1        | Hose - Bulk (1/4" ID) (Order By The Foot - 18 Feet Required)                                              |
| 9       | 505-1071    | 2        | Coupling, Flexible (For 2" Pipe)                    |         |             |          | Clamp, Hose                                                                                               |
| 10      | 505-0172    | 7        | Nipple, Pipe - Close (2" x 2")                      | 42      | 503-1418    | -        | Angle, Engine                                                                                             |
| 11      | 307-0844    | 1        | Valve, Water Solenoid                               | 43      | 503-0685    | 9        | Elbow, Hose - 90° (1/8" Pipe to 1/4" Hose)                                                                |
| 12      | 505-0382    | 4        | Nipple, Pipe - Close (3" x 2-5/8")                  | 44      | 130-3850    | 1        | Hose - Bulk (Order By The Foot - 12 Feet Required)                                                        |
| 13      | 505-1086    | 2        | Elbow, Pipe - 90° (With 1/8" Tapped Hole)           | 45      | 502-0313    | 4        | Hose (3" ID x 5-1/2")                                                                                     |
| 14      | 505-0175    | 7        | Elbow, Pipe - 90° (2")                              | 46      | 503-1620    | -        | Clamp, Hose                                                                                               |
| 15      | 505-0374    | 2        | Tee, Pipe (2")                                      | 47      | 503-1728    | 4        | Hose (3-1/2" ID) Bulk (Order By The Foot - 2 Feet Required)                                               |
| 16      | 505-0187    | 4        | * Bushing, Pipe - Reducer (2" to 1-1/2")            | 48      | 503-1872-05 | 8        | Clamp, Hose                                                                                               |
| 17      | 505-0220    | 4        | * Nipple, Pipe - Close (1-1/2" x 1-3/4")            | 49      | 503-0569    | -        | Hose (3-1/2" ID) Bulk (Order By The Foot - 2 Feet Required)                                               |
| 18      | 505-0402    | 2        | * Plug, Pipe - Square Head (1-1/2")                 |         |             |          | Clamp, Hose                                                                                               |
| 19      | 505-0406    | 2        | Nipple, Pipe (2" x 11-1/4")                         | 50      | 503-1872-01 | 2        | Valve - Handwheel                                                                                         |
| 20      | 505-0401    | 1        | Nipple, Pipe (2" x 6")                              | 51      | 504-0057    | 1        | Connector                                                                                                 |
| 21      | 508-0008    | 1        | Grommet (Fits 7/8" Hole)                            | 52      | 155-1463-01 | 2        | Base, Mounting                                                                                            |
| 22      | 503-1872-07 | 6        | Clamp, Hose                                         | 53      | 130-3874    | 1        |                                                                                                           |
| 23      | 505-0759    | 2        | Adapter - Pipe to Hose (1" x 1")                    |         |             |          |                                                                                                           |
| 24      | 505-1465    | 3        | Nipple, Pipe - Half (3" x 4-1/2")                   |         |             |          |                                                                                                           |
| 25      | 504-0028    | 1        | Cock, Drain                                         |         |             |          |                                                                                                           |
| 26      |             |          | Hose - Bulk (Order by the Foot - 5 Feet Required)   |         |             |          |                                                                                                           |
|         | 503-0249    | -        | + Without Automatic Water Regulator                 |         |             |          |                                                                                                           |
|         | 503-1779    | -        | * With Automatic Water Regulator                    |         |             |          |                                                                                                           |
| 27      | 821-0030    | 7        | Screw, Self-Locking - Hex Washer Head (3/8-16 x 1") |         |             |          |                                                                                                           |
| 28      | 870-0281    | 7        | Nut, Locking (3/8-16)                               |         |             |          |                                                                                                           |
| 29      | 800-0092    | 4        | Screw, Cap - Hex Head (1/2-13 x 1-1/2")             |         |             |          |                                                                                                           |
| 30      | 862-0016    | 8        | Nut, Hex (1/2-13)                                   |         |             |          |                                                                                                           |
| 31      | 526-0219    | 12       | Washer, Flat (1/2")                                 |         |             |          |                                                                                                           |
| 32      | 850-0060    | 8        | Washer, Lock - Spring (1/2")                        |         |             |          |                                                                                                           |
| 33      | 403-2733-01 | 4        | Washer, Bevel (1/2")                                |         |             |          |                                                                                                           |
| 34      | 800-0074    | 8        | Screw, Cap - Hex Head (7/16-14 x 1-3/4")            |         |             |          |                                                                                                           |

\* - Parts Used On Heat Exchanger Installations With Automatic Water Regulator  
+ - Parts Used On Heat Exchanger Installations Without Automatic Water Regulator  
# - Cut Off And Discard Swivel Connector End Of Hose So That 1/8 NPT Connector End Measures Length As Indicated Above

Continued...



# Heat Exchanger

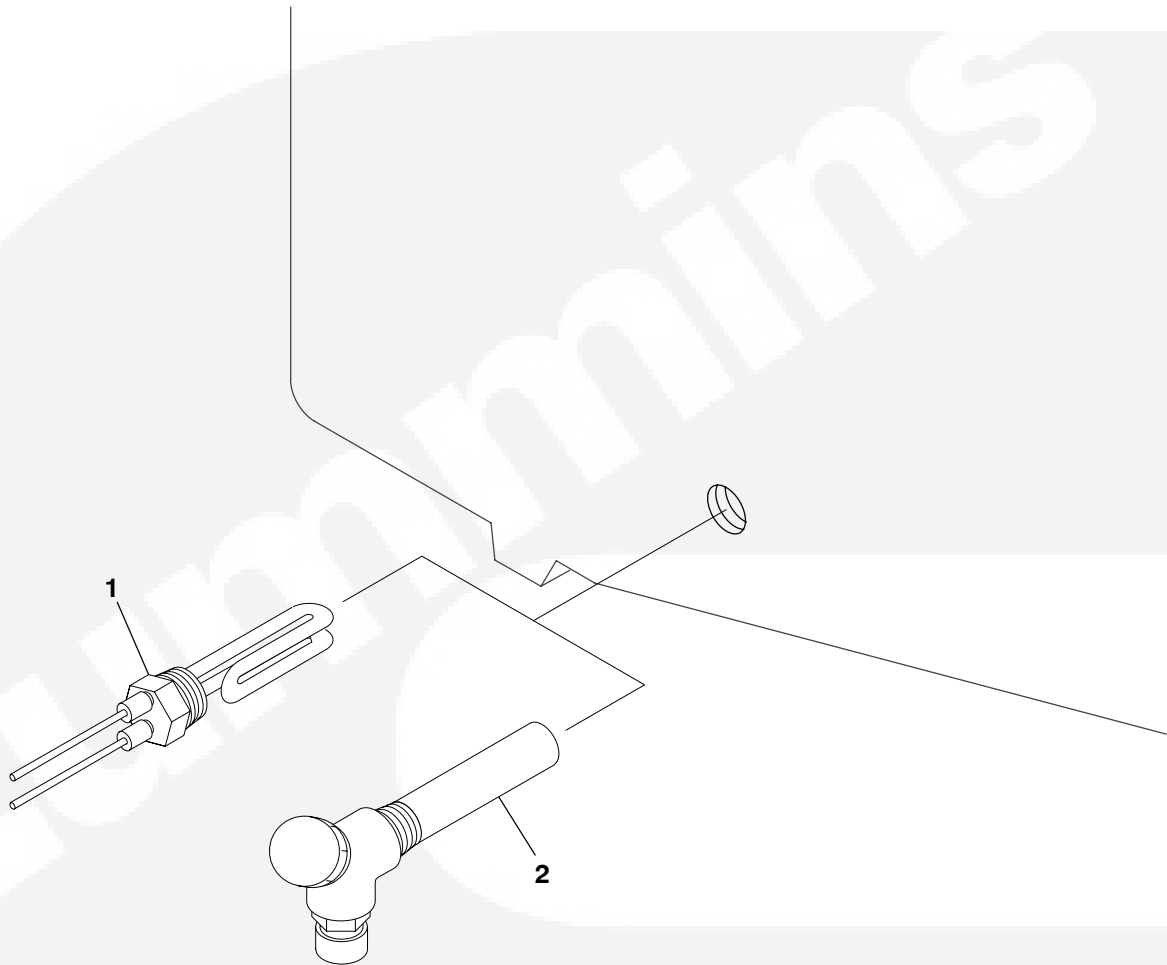


E079

## Heat Exchanger

| REF NO.      | PART NO.    | QTY USED | PART DESCRIPTION                                              | REF NO.                                                                                                               | PART NO. | QTY USED | PART DESCRIPTION                                       |
|--------------|-------------|----------|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------|----------|--------------------------------------------------------|
| Continued... |             |          |                                                               |                                                                                                                       |          |          |                                                        |
| 54           | 505-1466    | 1        | Tee, Pipe (3")                                                | 75                                                                                                                    | 503-1418 | -        | Hose - Bulk (1/4" ID) (Order By                        |
| 55           | 505-0453    | 2        | Elbow, Pipe - 90° (3")                                        |                                                                                                                       |          |          | The Foot - 10 Feet Required)                           |
| 56           | 505-0660    | 1        | Nipple, Pipe - Short (3" ID x 3-1/2")                         | 76                                                                                                                    | 502-0395 | 4        | Connector, Hose (1/8" Pipe to 1/4" ID Hose)            |
| 57           | 128-0108    | -        | Insulation, Hose - Bulk (Order By The Foot - 2 Feet Required) | 77                                                                                                                    | 503-0685 | 4        | Clamp, Hose                                            |
| 58           | 332-2921    | 2        | Clamp, "J"                                                    | 78                                                                                                                    | 800-0052 | 2        | Screw, Cap - Hex Head (3/8-16 x 1-1/2")                |
| 59           | 505-0749    | 2        | + Nipple, Pipe (2" ID x 10-1/2")                              | 79                                                                                                                    | 850-0050 | 2        | Washer, Lock - Spring (3/8")                           |
| 60           | 130-1182-01 | 1        | Guard, Damper                                                 | 80                                                                                                                    | 526-0030 | 2        | Washer, Flat (3/8")                                    |
| 61           | 130-3843    | 1        | Guard, Belt - Right Side                                      | 81                                                                                                                    | 130-4019 | 2        | Brace                                                  |
| 62           | 130-3844    | 1        | Guard, Belt - Bottom Back                                     | 82                                                                                                                    | 508-0239 | -        | Edging - Bulk (Order By The Foot - 1 Foot Required)    |
| 63           | 130-3845    | 1        | Guard, Belt - Top Back                                        | 83                                                                                                                    | 800-0093 | 4        | Screw, Cap - Hex Head (1/2-13 x 1-3/4")                |
| 64           | 130-3842    | 1        | Guard, Belt - Front                                           | 84                                                                                                                    | 332-2634 | 2        | Clamp, "J"                                             |
| 65           | 130-3846    | 1        | Guard, Belt - Left Side                                       | 85                                                                                                                    | 821-0016 | 2        | Screw, Self-Locking - Hex Washer Head (5/16-18 x 3/4") |
| 66           | 130-3849    | 1        | Bracket                                                       |                                                                                                                       |          |          |                                                        |
| 67           | 130-3847    | 1        | Bracket - L-Shaped                                            | 86                                                                                                                    | 870-0257 | 2        | Nut, Locking (5/16-18)                                 |
| 68           | 502-0395    | 4        | Connector, Hose                                               |                                                                                                                       |          |          |                                                        |
| 69           | 821-5002-03 | 31       | Screw, Self-Locking - Hex Washer Head (1/4-20 x 1/2")         |                                                                                                                       |          |          |                                                        |
| 70           | 821-5004-03 | 2        | Screw, Self-Locking - Hex Washer Head (3/8-16 x 1")           |                                                                                                                       |          |          |                                                        |
| 71           | 870-0281    | 2        | Nut, Locking (3/8-16)                                         | * - Parts Used On Heat Exchanger Installations With Automatic Water Regulator                                         |          |          |                                                        |
| 72           | 800-0056    | 2        | Screw, Cap - Hex Head (3/8-16 x 2-1/2")                       | # - Cut Off And Discard Swivel Connector End Of Hose So That 1/8 NPT Connector End Measures Length As Indicated Above |          |          |                                                        |
| 73           | 850-0050    | 2        | Washer, Lock - Spring (3/8")                                  | + - Parts Used On Heat Exchanger Installations Without Automatic Water Regulator                                      |          |          |                                                        |
| 74           | 526-0174    | 4        | Washer, Flat (3/8") (Used As Spacers)                         |                                                                                                                       |          |          |                                                        |

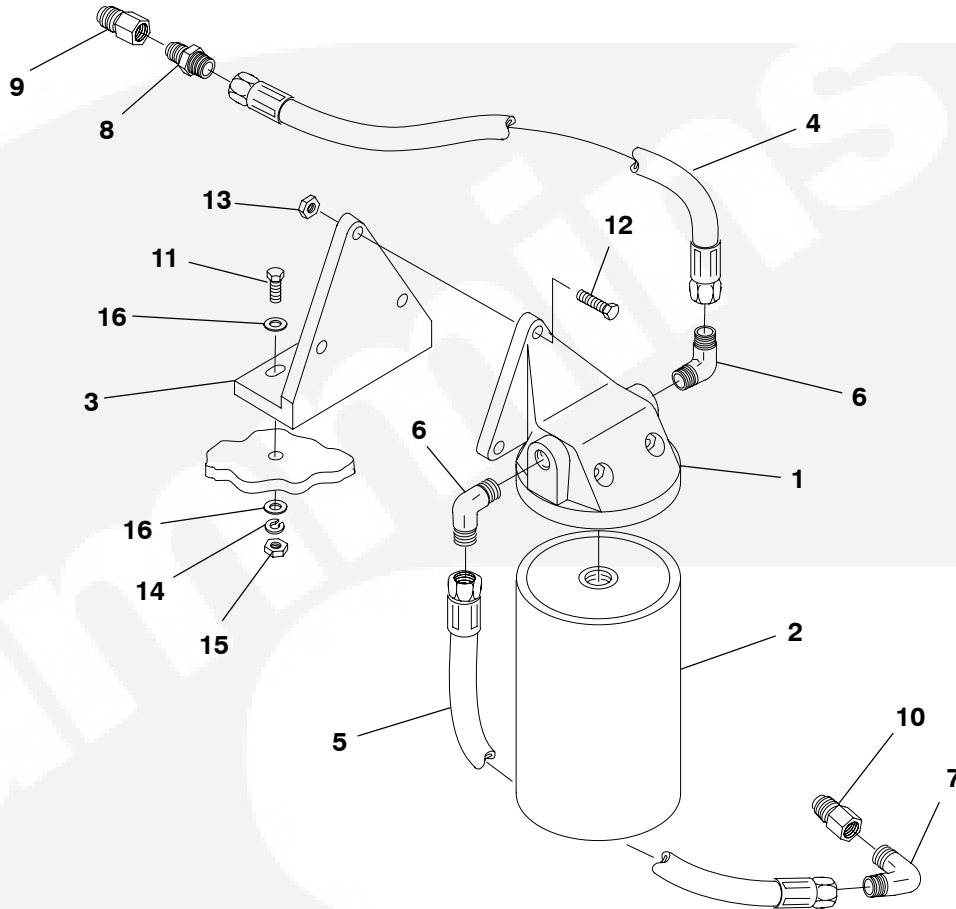
Oil Pan Heater



| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION       | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                 |
|---------|-------------|----------|------------------------|---------|-------------|----------|----------------------------------|
| 1       |             |          | Heater, Oil (300 Watt) | 2       |             |          | Heater, Oil (300 Watt, 480 Volt) |
|         | 333-0407-02 | 1        | 120 Volt               |         | 333-0407-05 | 1        |                                  |
|         | 333-0407-04 | 1        | 240 Volt               |         |             |          |                                  |

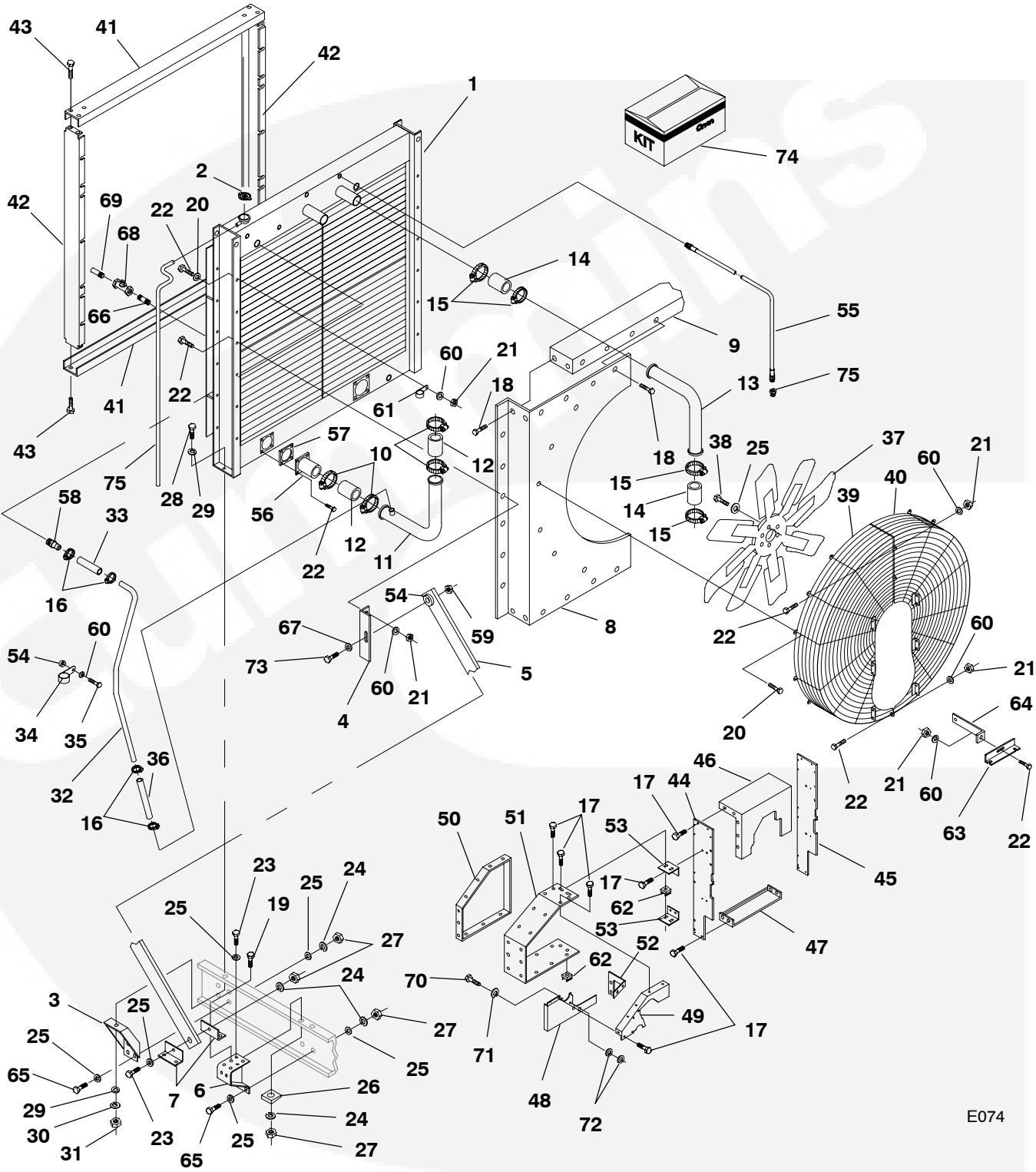


## Lube Oil Filter DFGB



| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                        | REF NO. | PART NO. | QTY USED | PART DESCRIPTION                                        |
|---------|-------------|----------|-----------------------------------------|---------|----------|----------|---------------------------------------------------------|
| 1       | 122-0702    | 1        | Head, Oil Filter                        | 10      | 505-0022 | 1        | Bushing, Pipe – Reducer (1" x 1/2")                     |
| 2       | 122-0777    | 1        | Filter, Lube Oil                        | 11      | 800-0096 | 2        | Screw, Cap – Hex Head (1/2-13 x 2-1/2")                 |
| 3       | 122-0735    | 1        | Bracket, Mounting                       | 12      | 821-0035 | 3        | Screw, Self-Locking – Hex Washer Head (3/8-16 x 1-1/4") |
| 4       | 501-0537-22 | 1        | Hose, Oil (86")                         | 13      | 870-0281 | 3        | Nut, Self-Locking (3/8-16)                              |
| 5       | 501-0537-23 | 1        | Hose, Oil (22")                         | 14      | 850-0060 | 2        | Washer, Lock – Spring (1/2")                            |
| 6       | 502-1043-11 | 2        | Elbow, Adapter – Male (3/8-18 x 5/8-18) | 15      | 862-0016 | 2        | Nut, Hex (1/2-13)                                       |
| 7       | 502-1043-12 | 1        | Elbow, Adapter – Male (1/2-14 x 5/8-18) | 16      | 526-0219 | 4        | Washer, Flat (17/32")                                   |
| 8       | 502-1045-15 | 1        | Connector, Male (5/8-18 x 5/8-18)       |         |          |          |                                                         |
| 9       | 505-0019    | 1        | Bushing, Pipe – Reducer (1/2" to 3/8")  |         |          |          |                                                         |

Radiator

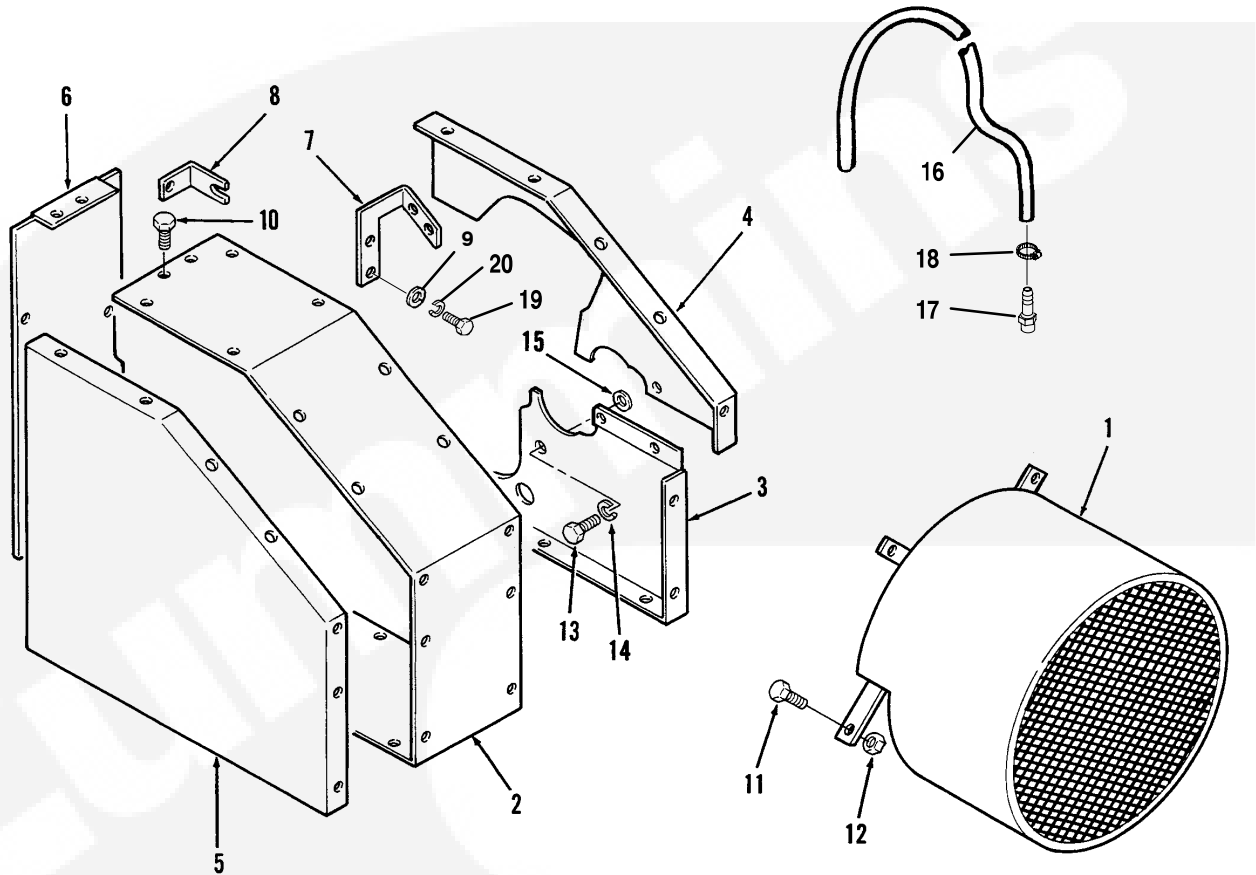


E074

## Radiator

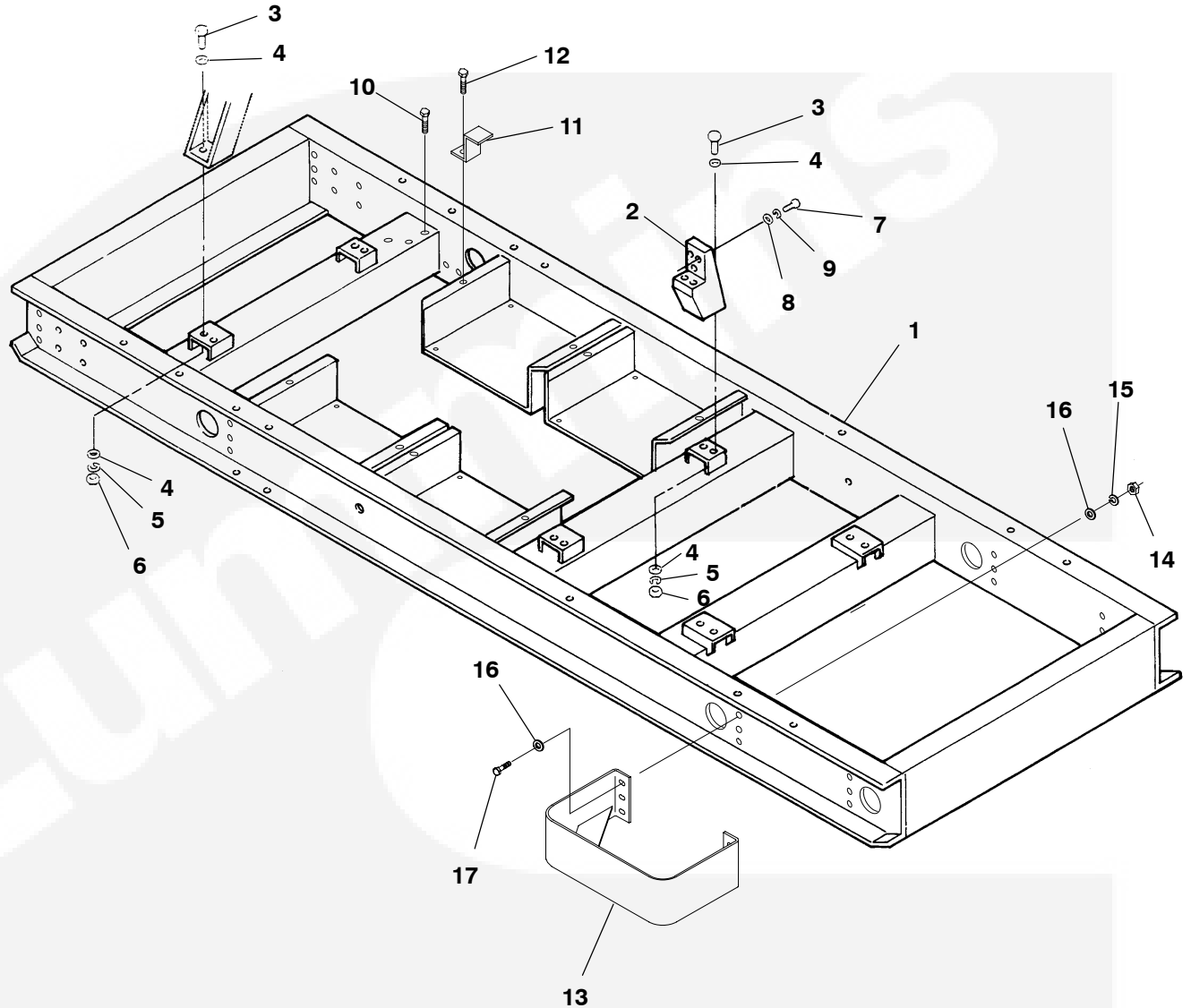
| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                                                                                                            | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                                      |
|---------|-------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------|----------|-----------------------------------------------------------------------|
| 1       | 130-4354    | 1        | Radiator (Includes Cap, Sight Gauge And Overflow Hose) (Also Includes Cover Plates, Gaskets, Screws And Lock Washers For All Water Outlets) | 38      | 130-4537    | 1        | 56" Fan                                                               |
| 2       | 130-3588    | 1        | Cap, Radiator                                                                                                                               |         | 800-0588    | 6        | Screw, Cap – Hex Head                                                 |
| 3       | 130-3836    | 2        | Bracket, Support                                                                                                                            |         | 800-0108    | 6        | DFGE (1/2-13 x 7.0)                                                   |
| 4       | 130-3701    | 2        | Bracket, Support                                                                                                                            | 39      | 130-3832-01 | 1        | DFGB (1/2-13 x 6.5)                                                   |
| 5       | 130-3702    | 2        | Support, Radiator                                                                                                                           | 40      | 130-3832-02 | 1        | Guard, Fan – Right Side                                               |
| 6       | 130-3644    | 2        | Support                                                                                                                                     | 41      | 130-1419    | 2        | Guard, Fan – Left Side                                                |
| 7       | 130-3700    | 4        | Bracket                                                                                                                                     | 42      | 130-3215    | 2        | Flange, Radiator – Top and Bottom                                     |
| 8       |             |          | Wrapper, Fan                                                                                                                                | 43      | 821-0010    | 8        | Flange, Radiator – Sides                                              |
|         | 130-5650-02 | 2        | 56" Fan                                                                                                                                     | 44      | 130-3839-01 | 1        | Screw, Self-Locking – Hex Washer Head (1/4-20 x 1/2")                 |
|         | 130-3834    | 2        | 48" Fan                                                                                                                                     | 45      | 130-3839-02 | 1        | Guard, Belt – Right Side                                              |
| 9       | 130-5649-02 | 2        | Shroud, Fan                                                                                                                                 | 46      | 130-3840    | 1        | Guard, Belt – Left Side                                               |
| 10      | 503-1872-07 | 4        | Clamp, Hose                                                                                                                                 | 47      | 130-3841    | 1        | Guard, Belt – Top                                                     |
| 11      | 130-4659    | 1        | Tube, Radiator – Outlet                                                                                                                     | 48      | 130-3844    | 1        | Guard, Belt – Bottom                                                  |
| 12      | 503-0856    | 2        | Hose, Radiator – Lower (3-1/2" ID x 5-1/2")                                                                                                 | 49      | 130-3845    | 1        | Guard, Belt – Bottom Back                                             |
| 13      | 130-1206    | 2        | Tube, Radiator – Inlet                                                                                                                      | 50      | 130-3842    | 1        | Guard, Belt – Top Back                                                |
| 14      | 503-1728    | 4        | Hose, Radiator – Upper (3" ID x 5-1/2")                                                                                                     | 51      | 130-3843    | 1        | Guard, Belt – Front                                                   |
| 15      | 503-1872-05 | 8        | Clamp, Hose                                                                                                                                 | 52      | 130-3849    | 1        | Guard, Belt – Side                                                    |
| 16      | 503-1872-01 | 4        | Clamp, Hose                                                                                                                                 | 53      | 130-3848    | 2        | Bracket                                                               |
| 17      | 821-5002-03 | 58       | Screw, Self-Locking – Hex Washer Head (1/4-20 x 1/2")                                                                                       | 54      | 130-3660-01 | 3        | Bracket                                                               |
| 18      | 821-5003-01 | 24       | Screw, Self-Locking – Hex Washer Head (5/16-18 x 1/2")                                                                                      | 55      | 501-0744-05 | 2        | Spacer, Shock Absorber                                                |
| 19      | 815-0384    | 8        | Screw, Thread Forming – Hex Washer Head (3/8-16 x 3/4")                                                                                     | 56      | 130-1222    | 1        | Hose, Coolant                                                         |
| 20      | 526-0014    | 8        | Washer, Flat – 56" Fan                                                                                                                      | 57      | 130-1193    | 1        | Adapter, Outlet                                                       |
| 21      | 870-0550-09 | 16       | Nut, Locking – Hex (3/8-16)                                                                                                                 | 58      | 505-0759    | 1        | Gasket, Outlet Adapter                                                |
| 22      | 821-5004-03 | 34       | Screw, Self-Locking – Hex Washer Head (3/8-16 x 1")                                                                                         | 59      | 870-0437    | 2        | Adapter, Pipe to Hose (1" Pipe to 1" Hose)                            |
| 23      | 800-0094    | 6        | Screw, Cap – Hex Head (1/2-13 x 2")                                                                                                         | 60      | 526-0399-19 | 21       | Nut, Locking – Hex Head (7/16-14)                                     |
| 24      | 850-0060    | 18       | Washer, Lock – Spring (1/2")                                                                                                                | 61      | 332-2634    | 2        | Washer, Flat (3/8")                                                   |
| 25      | 526-0219    | 24       | Washer, Flat (1/2")                                                                                                                         | 62      | 870-0494    | 4        | Clamp, Hose                                                           |
| 26      | 403-2733-01 | 4        | Washer, Bevel (1/2")                                                                                                                        |         |             |          | Nut, Captive – Floating (1/4-20)                                      |
| 27      | 862-0016    | 18       | Nut, Hex (1/2-13)                                                                                                                           | 63      | 130-3850    | 1        | Angle, Engine                                                         |
| 28      | 800-0156    | 2        | Screw, Cap – Hex Head (3/4-10 x 2-1/4")                                                                                                     | 64      | 130-3851    | 1        | Angle, Stiffener                                                      |
| 29      | 526-0027    | 4        | Washer, Flat (3/4")                                                                                                                         | 65      | 800-0092    | 12       | Screw, Cap – Hex Head (1/2-13 x 1-1/2")                               |
| 30      | 850-0079    | 2        | Washer, Lock – Spring (3/4")                                                                                                                | 66      | 505-0100    | 1        | Nipple, Pipe (1/2" x 1-1/8")                                          |
| 31      | 862-0008    | 2        | Nut, Hex (3/4-10)                                                                                                                           | 67      | 526-0141    | 2        | Washer, Flat (7/16")                                                  |
| 32      | 130-4660    | 1        | Tube, Fill                                                                                                                                  | 68      | 504-0011    | 1        | Valve, Shutoff                                                        |
| 33      | 503-1634    | 1        | Hose (1" ID x 4")                                                                                                                           | 69      | 800-0056    | 1        | Screw, Cap – Hex Head (3/8-16 x 2-1/2")                               |
| 34      | 518-0548-20 | 1        | Clamp, Hose                                                                                                                                 | 70      | 850-0050    | 1        | Washer, Lock – Spring (3/8")                                          |
| 35      | 800-0053    | 1        | Screw, Cap – Hex Head (3/8-16 x 1-3/4")                                                                                                     | 71      | 526-0174    | 2        | Washer, Flat (3/8") (Used As Spacers)                                 |
| 36      | 503-1779    | -        | Hose – Bulk (1" ID) (Order By The Foot – 1 Foot Required)                                                                                   | 72      | 800-0075    | 2        | Screw, Cap – Hex Head (7/16-14 x 2")                                  |
| 37      |             |          | Fan, Radiator                                                                                                                               | 73      | 130-4362    | 1        | Kit, Gauge – Safety Sight – Radiator (Includes Glass Bulb and O-Ring) |
|         | 130-5679    | 1        | DFGE                                                                                                                                        | 74      | 503-1418    | -        | Hose, Overflow – Bulk (1/4" ID) (Order By The Foot – 7 Feet Required) |
|         |             |          | DFGB                                                                                                                                        | 75      | 505-0020    | 2        | Bushing, Reducer (3/4 x 1/4)                                          |
|         | 130-4536    | 1        | 48" Fan                                                                                                                                     |         |             |          |                                                                       |

## Remote Radiator



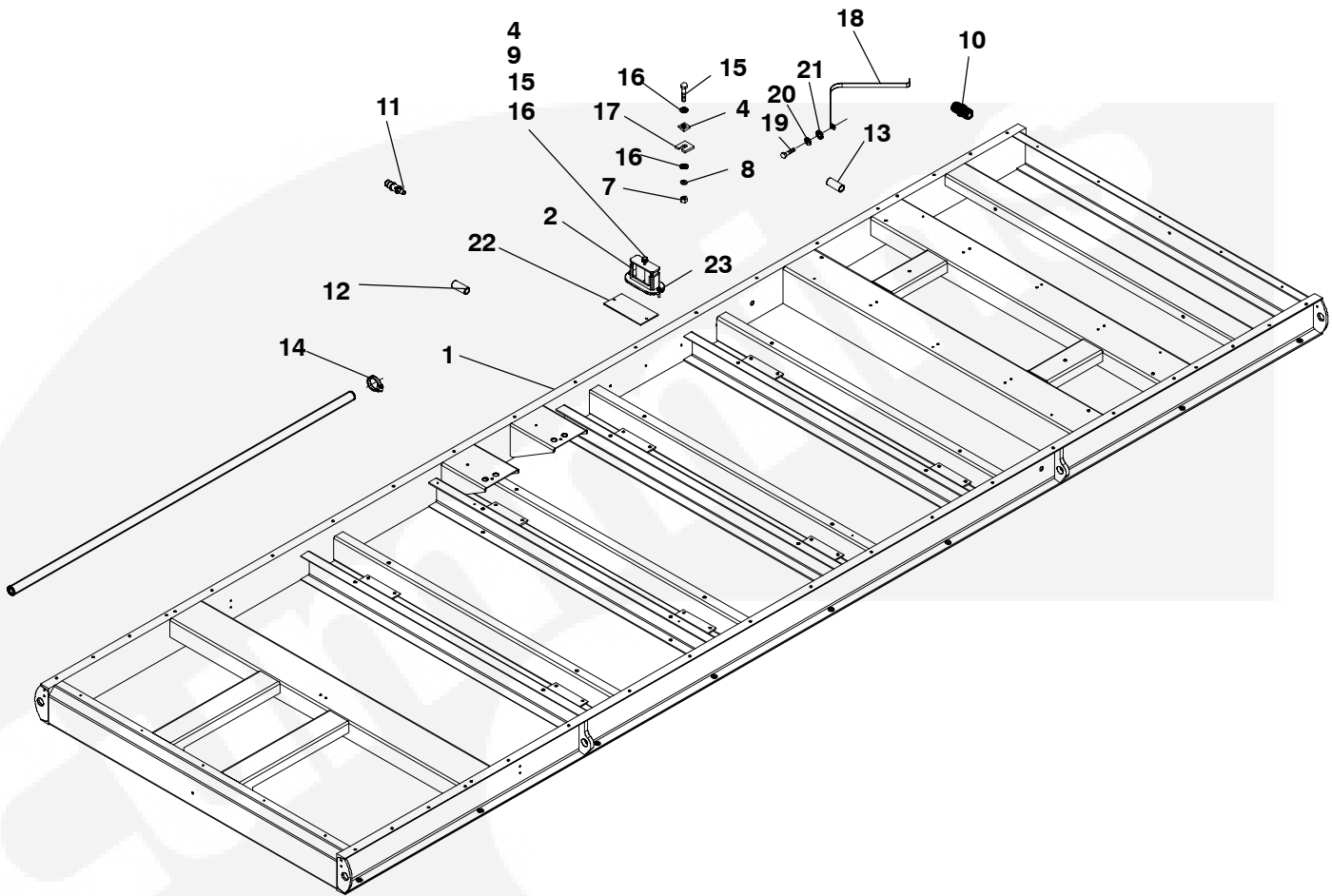
| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                      | REF NO. | PART NO. | QTY USED | PART DESCRIPTION                                             |
|---------|-------------|----------|-------------------------------------------------------|---------|----------|----------|--------------------------------------------------------------|
| 1       | 130-1182-01 | 1        | Guard, Damper                                         | 13      | 800-0056 | 2        | Screw, Cap - Hex Head (3/8-16 x 2-1/2")                      |
| 2       | 130-3843    | 1        | Guard, Belt - Right Side                              | 14      | 850-0050 | 2        | Washer, Lock - Spring (3/8")                                 |
| 3       | 130-3844    | 1        | Guard, Belt - Bottom Back                             | 15      | 526-0174 | 4        | Washer, Flat (3/8") (Used As Spacers)                        |
| 4       | 130-3845    | 1        | Guard, Belt - Top Back                                | 16      | 503-1418 | -        | Hose - Bulk (1/4" ID) (Order By The Foot - 10 Feet Required) |
| 5       | 130-3842    | 1        | Guard, Belt - Front                                   | 17      | 502-0395 | 4        | Connector, Hose (1/8" Pipe to 1/4" ID Hose)                  |
| 6       | 130-3846    | 1        | Guard, Belt - Left Side                               | 18      | 503-0685 | 4        | Clamp, Hose                                                  |
| 7       | 130-3849    | 1        | Bracket                                               | 19      | 800-0052 | 2        | Screw, Cap - Hex Head (3/8-16 x 1-1/2")                      |
| 8       | 130-3847    | 1        | Bracket - L-Shaped                                    | 20      | 850-0050 | 2        | Washer, Lock - Spring (3/8")                                 |
| 9       | 526-0030    | 2        | Washer, Flat (3/8")                                   |         |          |          |                                                              |
| 10      | 821-5002-03 | 31       | Screw, Self-Locking - Hex Washer Head (1/4-20 x 1/2") |         |          |          |                                                              |
| 11      | 821-5004-03 | 2        | Screw, Self-Locking - Hex Washer Head (3/8-16 x 1")   |         |          |          |                                                              |
| 12      | 870-0281    | 2        | Nut, Locking (3/8-16)                                 |         |          |          |                                                              |

## Skid



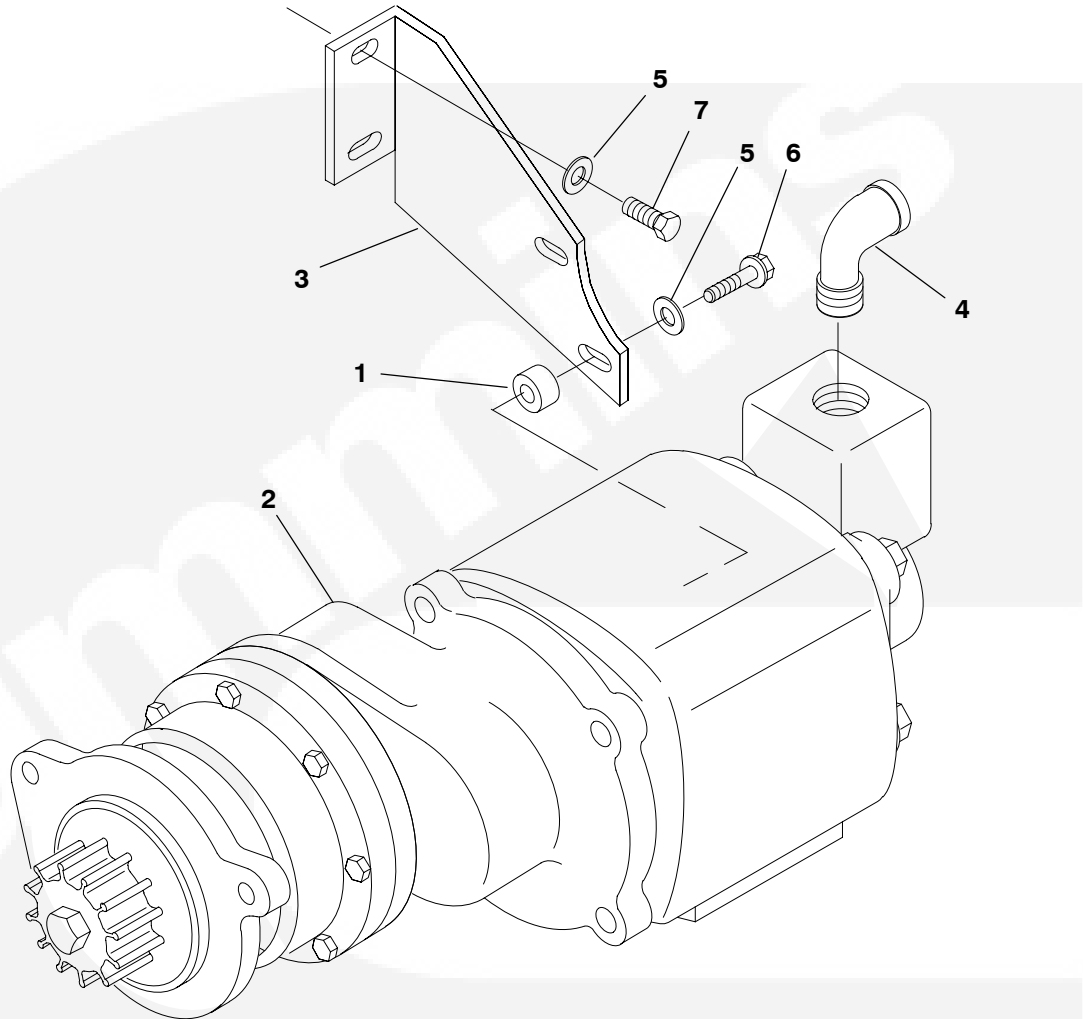
| REF NO. | PART NO. | QTY USED | PART DESCRIPTION                        | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                    |
|---------|----------|----------|-----------------------------------------|---------|-------------|----------|-----------------------------------------------------|
| 1       | 403-4778 |          | Skid                                    | 10      | 821-5004-03 | 5        | Screw, Self-Locking – Hex Washer Head (3/8-16 x 1") |
| 2       | 403-2807 | 2        | Support, Flywheel Housing               | 11      | 416-0850    | 8        | Bracket, Retaining – Battery                        |
| 3       | 800-0158 | 8        | Screw, Cap – Hex Head (3/4-10 x 2-3/4") | 12      | 800-0048    | 8        | Screw, Cap – Hex Head (3/8-16 x 3/4")               |
| 4       | 526-0027 | 16       | Washer, Flat (3/4")                     | 13      | 130-4389    | 4        | Bumper                                              |
| 5       | 850-0079 | 8        | Washer, Lock – Spring (3/4")            | 14      | 862-0016    | 24       | Nut, Hex (1/2-13)                                   |
| 6       | 862-0008 | 8        | Nut, Hex (3/4-10)                       | 15      | 850-0060    | 24       | Washer, Lock (1/2)                                  |
| 7       | 800-0134 | 10       | Screw, Cap – Hex Head (5/8-11 x 2")     | 16      | 526-0219    | 48       | Washer, Flat (1/2)                                  |
| 8       | 526-0112 | 10       | Washer, Flat (5/8")                     | 17      | 800-0093    | 24       | Screw, Cap – Hex Head (1/2-13)                      |
| 9       | 850-0070 | 10       | Washer, Lock – Spring (5/8")            |         |             |          |                                                     |

## Mounting System



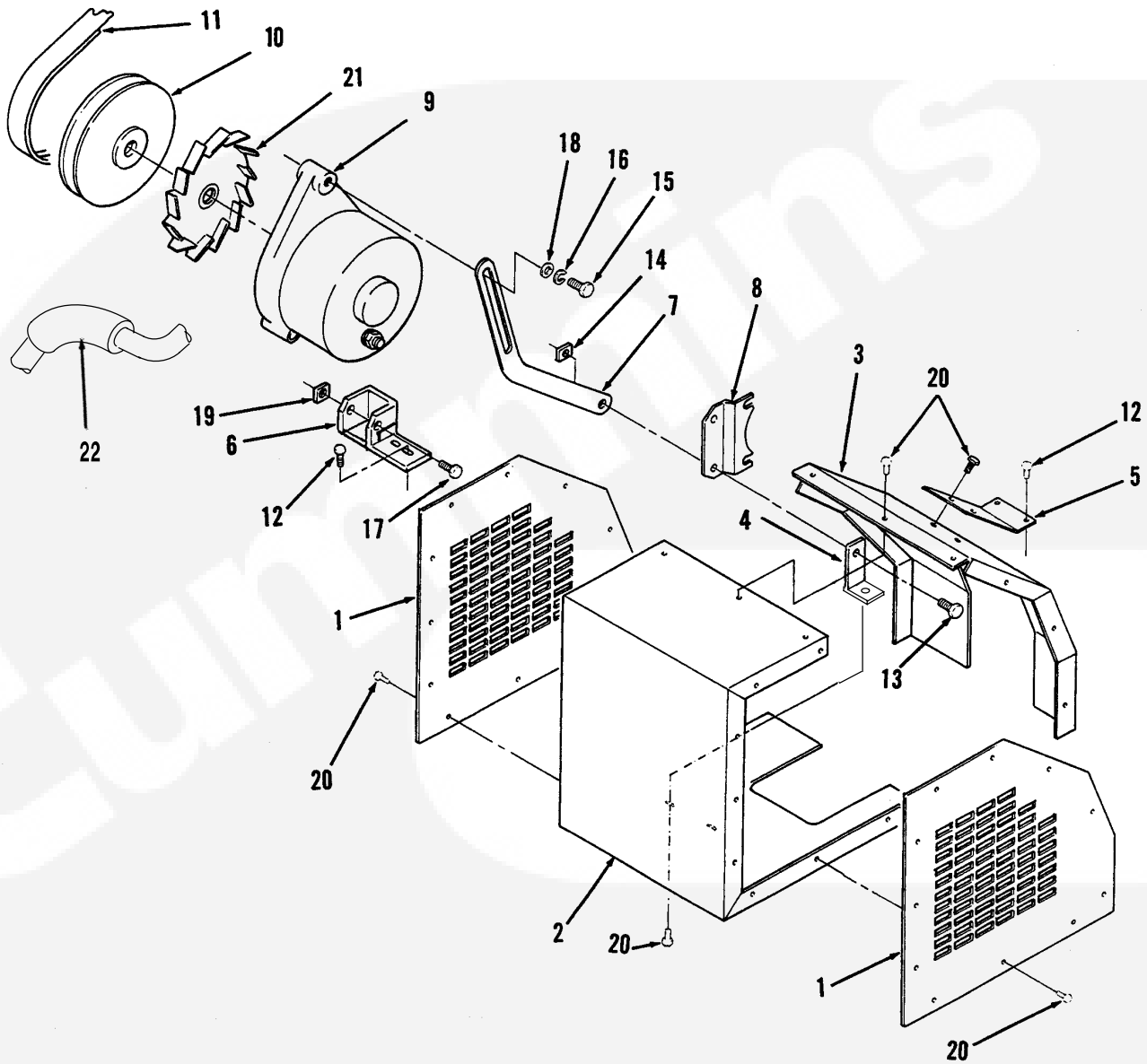
| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                            | REF NO.  | PART NO.    | QTY USED | PART DESCRIPTION                               |
|---------|-------------|----------|-------------------------------------------------------------|----------|-------------|----------|------------------------------------------------|
| 1       |             |          | Base, Skid – Lifting                                        | 850-0060 | 32          | Seismic  |                                                |
|         | 403-5605-02 | 1        | Level 2 Enclosure                                           | 9        | 862-0007    | 8        | Nut, Hex (5/8-11)                              |
|         | 403-5602-02 | 1        | Level 1 Enclosure                                           | 10       | 502-1530    | 2        | Union, Hose (1") – Nylon                       |
|         | 403-5566-02 | 1        | Weather Protective Enclosure                                | 11       | 502-1531    | 2        | Connector, Hose                                |
| 2       |             |          | Isolator, Vibration                                         | 12       | 503-2350-04 | 1        | Hose, Coolant (1" x 5')                        |
|         | 402-0691-03 | 8        | Standard                                                    | 13       | 503-2350-05 | 2        | Hose, Coolant (1" x 8')                        |
|         | 402-0859    | 8        | Seismic                                                     | 14       | 503-0189    | 7        | Clamp, Hose                                    |
| 3       | 850-0070    | 8        | Washer, Lock – Split (5/8) (Not Shown)                      | 15       | 800-0138    | 8        | Screw, Cap – Hex Head (5/8-11 x 3.0)           |
| 4       | 403-3362    | 16       | Washer, Bevel                                               | 16       | 526-0112    | 16       | Washer, Flat (5/8)                             |
| 5       |             |          | Washer, Flat (1/2) (Not Shown)                              | 17       | 403-5644-02 | 8        | Spacer, Lifting Bracket (Trans)                |
|         | 526-0219    | 32       | Standard                                                    | 18       | 337-0090-02 | 1        | Strap, Electrical                              |
|         | 526-0219    | 64       | Seismic                                                     | 19       | 800-2087    | 1        | Screw, Cap – Hex Head (M10 x 30)               |
| 6       | 800-0093    | 32       | Screw, Cap – Hex Head (1/2-13 x 1.75) – Seismic (Not Shown) | 20       | 526-2132    | 1        | Washer, Flat (M10)                             |
|         |             |          |                                                             | 21       | 853-2010    | 2        | Washer – W/ET (M10)                            |
| 7       |             |          | Nut, Hex (1/2-13)                                           | 22       | 403-5697-02 | 8        | Plate, Skid (Isolator Spacer) – Standard       |
|         | 862-0016    | 16       | Standard                                                    | 23       | 800-0094    | 16       | Screw, Cap – Hex Head (1/2-13 x 2") – Standard |
|         | 862-0016    | 32       | Seismic                                                     |          |             |          |                                                |
| 8       |             |          | Washer, Lock – Split (1/2)                                  |          |             |          |                                                |
|         | 850-0060    | 16       | Standard                                                    |          |             |          |                                                |

## Air Starter



| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                               | REF NO. | PART NO. | QTY USED | PART DESCRIPTION                                |
|---------|-------------|----------|------------------------------------------------|---------|----------|----------|-------------------------------------------------|
| 1       | 122-0732-03 | 2        | Spacer, Mounting                               | 6       | 800-2086 | 2        | Screw, Cap – Hex Head (M10 x 25mm)              |
| 2       | 127-0390-01 | 1        | Starter, Air                                   | 7       | 815-0724 | 2        | Screw, Cap – Hex Locking Head (3/8-16 x 1-1/4") |
| 3       | 127-0391    | 1        | Brace, Starter                                 |         |          |          |                                                 |
| 4       | 502-1054-08 | 1        | Elbow, Pipe – Street (1-1/2")                  |         |          |          |                                                 |
| 5       | 526-0350    | 4        | Washer, Flat (.406" ID x .875" OD x .125" Thk) |         |          |          |                                                 |

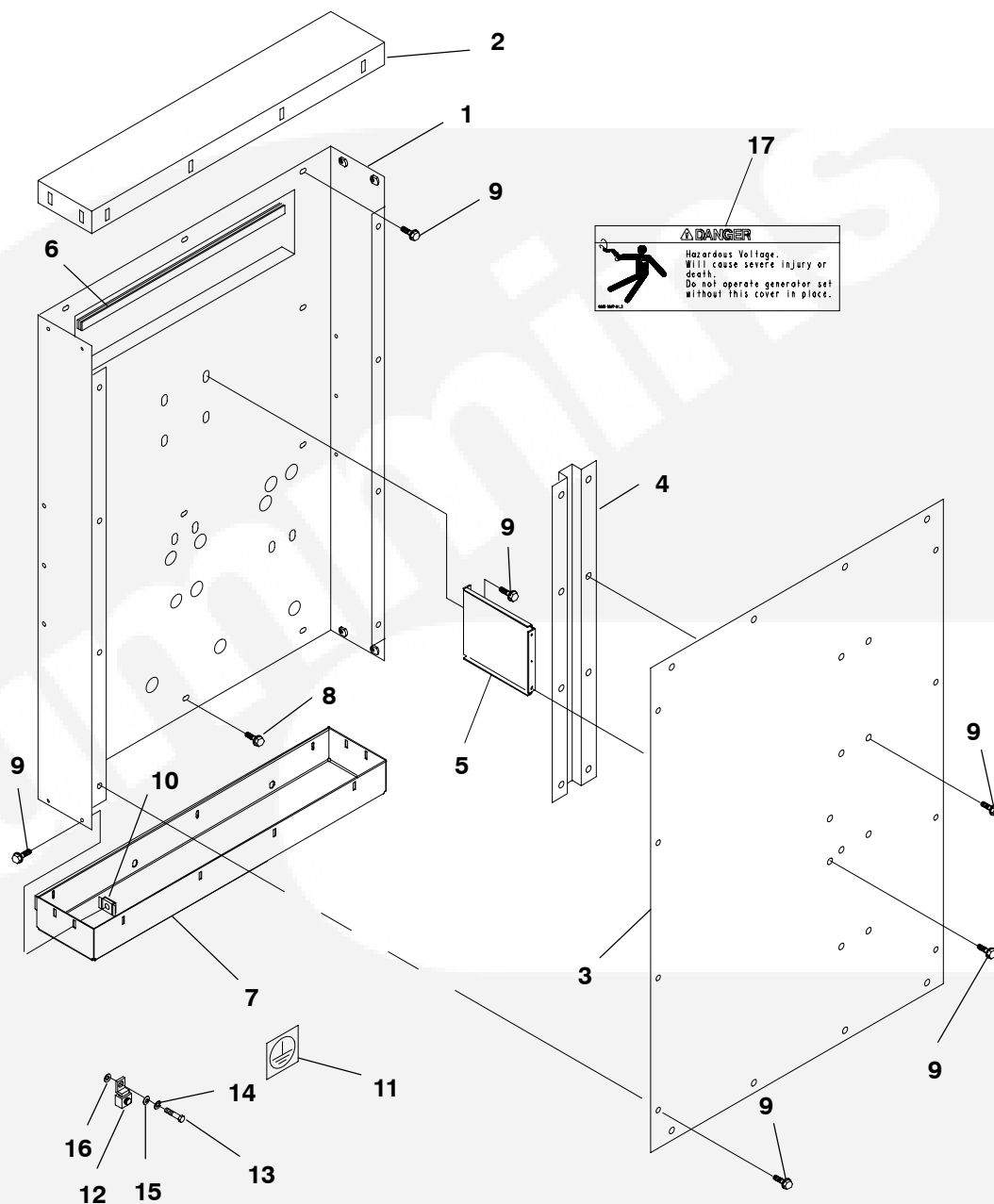
## Alternator 55 Amp



| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                      | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                                     |
|---------|-------------|----------|-------------------------------------------------------|---------|-------------|----------|----------------------------------------------------------------------|
| 1       | 191-2015    | 2        | Guard - Front and Rear                                | 14      | 870-0281    | 1        | Nut, Locking (3/8")                                                  |
| 2       | 191-2016    | 1        | Guard - Left Side                                     | 15      | 800-2059    | 1        | Screw, Cap - Hex Head (M8 x 30mm)                                    |
| 3       | 191-2014    | 1        | Guard - Right Side                                    | 16      | 850-2008    | 1        | Washer, Lock - Spring (M8)                                           |
| 4       | 191-2013    | 1        | Bracket, Guard                                        | 17      | 800-2096    | 1        | Screw, Cap - Hex Head (M10 x 75mm)                                   |
| 5       | 191-2012    | 1        | Bracket, Guard                                        | 18      | 526-0030    | 1        | Washer, Flat (3/8")                                                  |
| 6       | 191-2005    | 1        | Bracket, Mounting                                     | 19      | 870-2056    | 1        | Nut, Locking (M10)                                                   |
| 7       | 191-2004-01 | 1        | Bracket, Adjusting                                    | 20      | 821-5002-03 | 28       | Screw, Self-Locking - Hex Washer Head (1/4-20 x 1/2")                |
| 8       | 191-2003    | 1        | Bracket                                               | 21      | 191-2330    | 1        | Fan, Alternator                                                      |
| 9       | 191-2326-02 | 1        | Alternator (55 Amp)                                   | 22      | 128-0108    | -        | Insulation, Hose - Bulk (3/4") (Order By The Foot - 1 Foot Required) |
| 10      | 191-1982    | 1        | Pulley, Alternator                                    |         |             |          |                                                                      |
| 11      | 511-0105    | 1        | Belt-V                                                |         |             |          |                                                                      |
| 12      | 821-5004-02 | 4        | Screw, Self-Locking - Hex Washer Head (3/8-16 x 3/4") |         |             |          |                                                                      |
| 13      | 821-0030    | 1        | Screw, Self-Locking - Hex Washer Head (3/8-16 x 1")   |         |             |          |                                                                      |

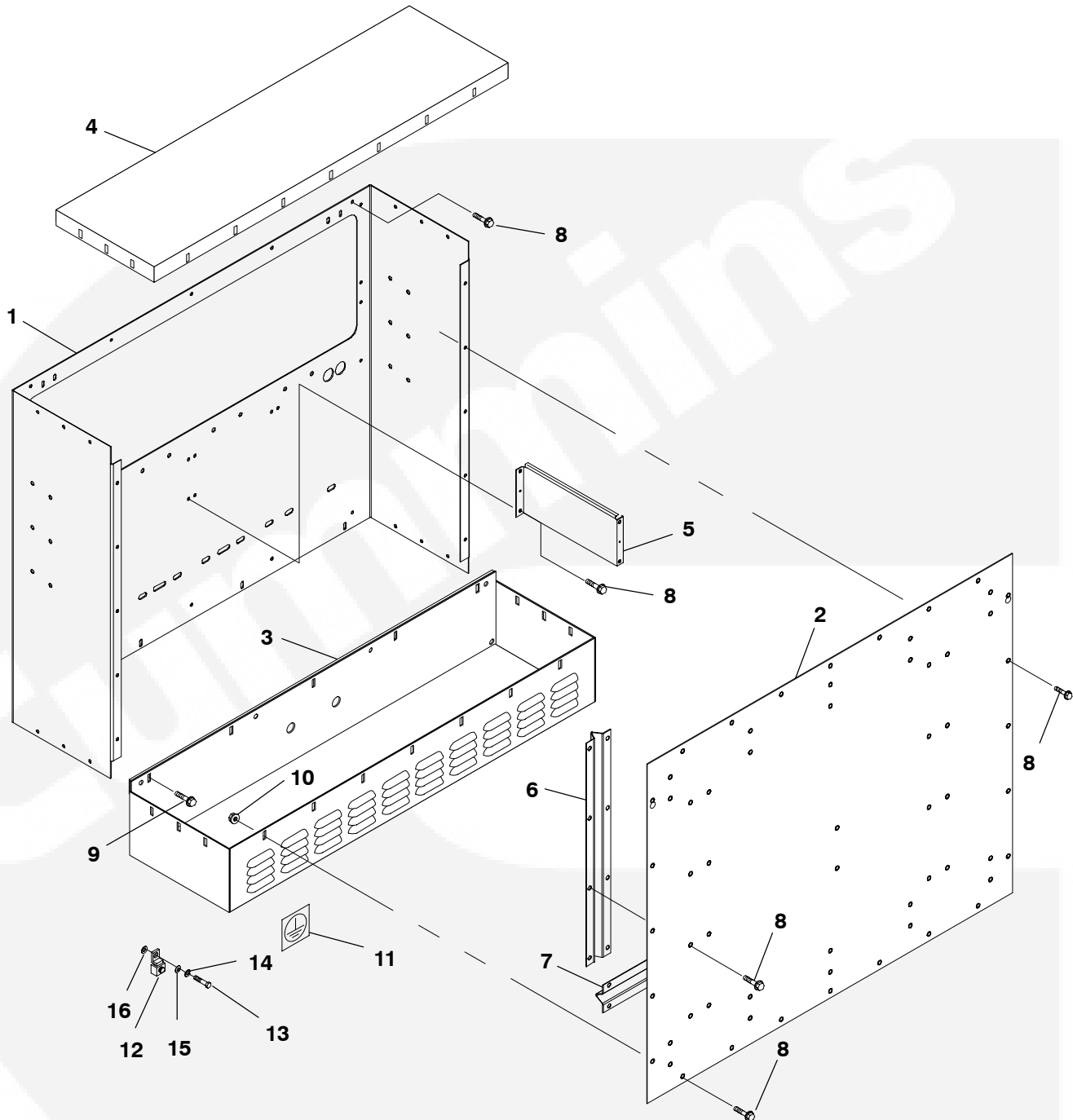


## Entrance Box Model HC4 and HC5 Generators



| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                    | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                       |
|---------|-------------|----------|-----------------------------------------------------|---------|-------------|----------|----------------------------------------|
| 1       | 319-3169    | 1        | Box, Entrance                                       | 10      | 870-0504    | 16       | Nut, Retaining (M6)                    |
| 2       | 319-1915    | 1        | Cover - Upper                                       | 11      | 098-6537    | 1        | Label, Grounding                       |
| 3       | 319-1916    | 1        | Cover                                               | 12      | 332-2001    | 1        | Lug, Solderless                        |
| 4       | 319-3284    | 1        | Brace, Cover                                        | 13      | 800-2088    | 1        | Screw, Cap - Hex Head (M10 x 1.5 x 35) |
| 5       | 319-3251    | 1        | Brace, Cover                                        | 14      | 850-2010    | 1        | Washer, Lock - Split                   |
| 6       | 508-1092    | -        | Edging - Bulk (Order By The Foot - 2 Feet Required) | 15      | 526-2120    | 1        | Washer, Flat (M10)                     |
| 7       | 319-3183    | 1        | Cover - Lower                                       | 16      | 856-0010    | 1        | Washer - W/EIT                         |
| 8       | 821-2035    | 2        | Screw, Self-Locking - Hex Washer Head (M6 x 25mm)   | 17      | 098-5347    | 1        | Label, Danger English                  |
| 9       | 821-6002-03 | 44       | Screw, Self-Locking - Hex Washer Head (M6 x 16mm)   |         | 098-5347-02 | 1        | Label, Danger French                   |

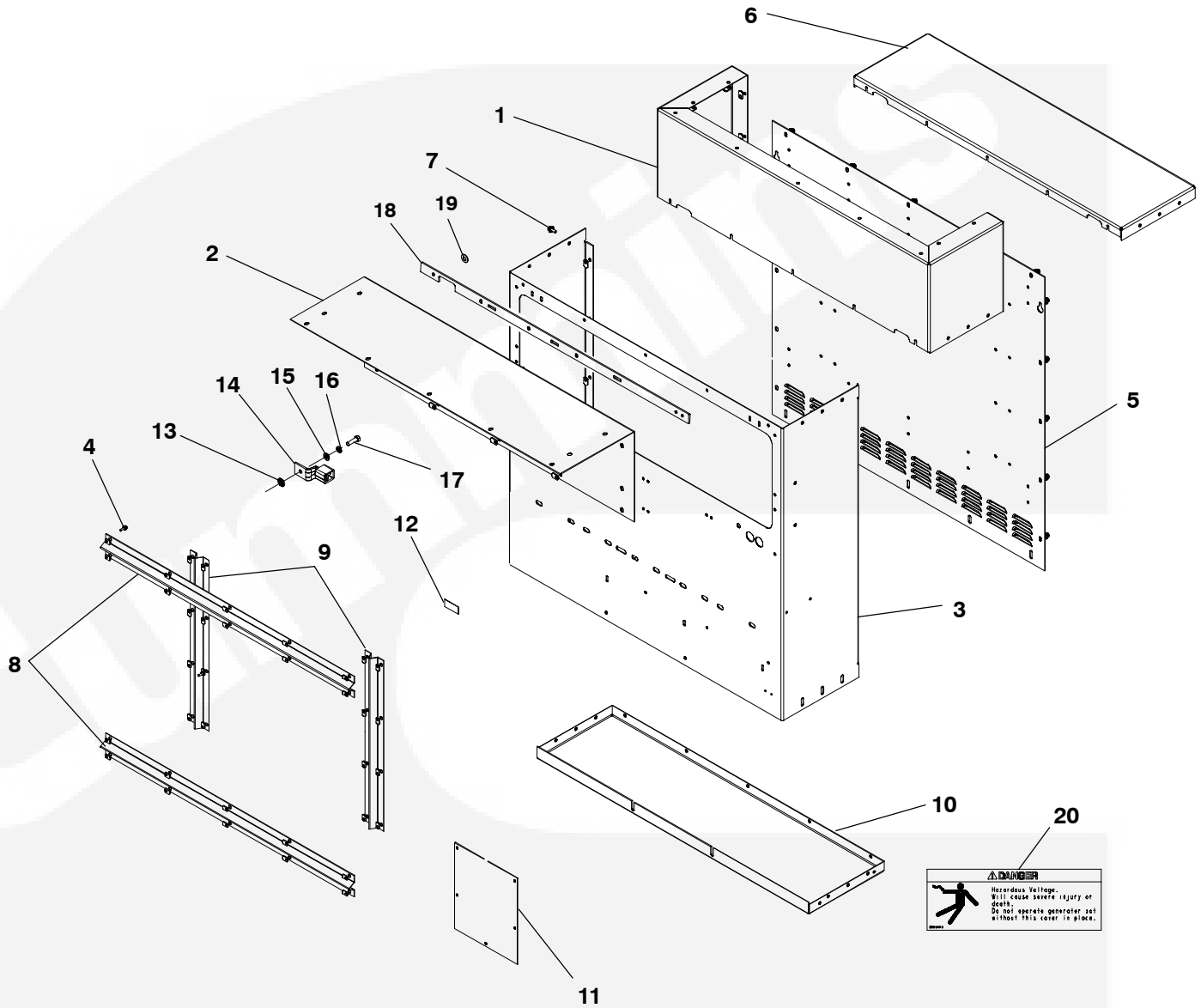
## Entrance Box Model HC6 and HC7 Generators



K882

| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                  | REF NO. | PART NO. | QTY USED | PART DESCRIPTION                                  |
|---------|-------------|----------|---------------------------------------------------|---------|----------|----------|---------------------------------------------------|
| 1       | 319-3184    | 1        | Box, Entrance                                     | 9       | 821-2035 | 5        | Screw, Self-Locking – Hex Washer Head (M6 x 25mm) |
| 2       | 319-3265    | 1        | Cover                                             | 10      | 870-0504 | 26       | Nut, Retaining (M6)                               |
| 3       | 319-1925    | 1        | Cover – Lower                                     | 11      | 098-6537 | 1        | Label, Grounding                                  |
| 4       | 319-1961    | 1        | Cover – Upper                                     | 12      | 332-2001 | 1        | Lug, Solderless                                   |
| 5       | 319-3264    | 1        | Brace, Cover                                      | 13      | 800-2088 | 1        | Screw, Cap – Hex Head (M10 x 1.5 x 35)            |
| 6       | 319-3286    | 2        | Brace, Cover (24")                                | 14      | 850-2010 | 1        | Washer, Lock – Split                              |
| 7       | 319-3288    | 2        | Brace, Cover (40-1/2")                            | 15      | 526-2120 | 1        | Washer, Flat (M10)                                |
| 8       | 821-6002-03 | 89       | Screw, Self-Locking – Hex Washer Head (M6 x 16mm) | 16      | 856-0010 | 1        | Washer – W/EIT                                    |

# Entrance Box DFGB Begin Spec K, DFGE Begin Spec C



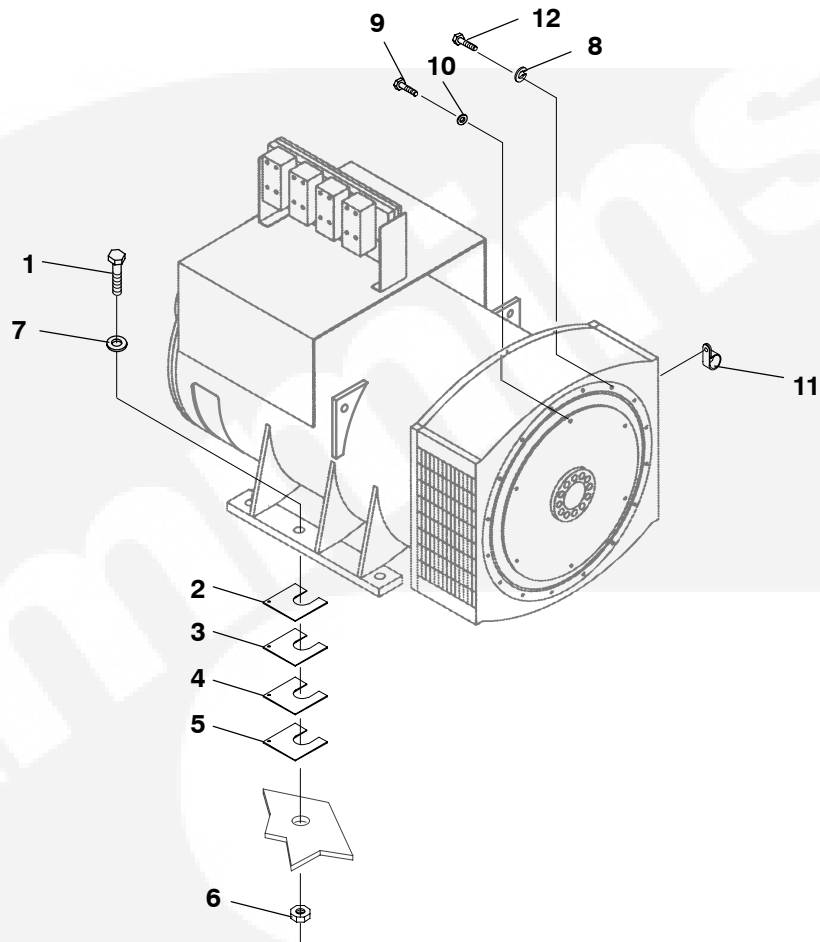
| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                          |
|---------|-------------|----------|-----------------------------------------------------------|
| 1       | 319-5162-02 | 1        | Cover, Circuit Breaker – Top<br>(Top and Bottom Entrance) |
| 2       | 319-5163-02 | 1        | Cover, Circuit Breaker – Top<br>(Top and Bottom Entrance) |
| 3       | 319-5062-02 | 1        | Box, Circuit Breaker                                      |
| 4       | 821-6002-03 | 42       | Screw, Hex Head (M6 x 1 x 16)<br>Bottom Entrance          |
|         | 821-6002-03 | 55       | Top and Bottom Entrance                                   |
| 5       | 319-5098-06 | 1        | Cover, Circuit Breaker                                    |
| 6       | 319-5087-02 | 1        | Cover, Circuit Breaker (Bottom<br>Entrance)               |
| 7       | 821-6003-01 | 34       | Screw, Hex Head (M8 x 1.25 x<br>16)                       |
| 8       | 319-3288    | 2        | Brace, Access Door                                        |

| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                          |
|---------|-------------|----------|-------------------------------------------|
| 9       | 319-3286    | 2        | Brace, Access Door                        |
| 10      | 319-5088-02 | 1        | Cover, Circuit Breaker                    |
| 11      | 405-7709-02 | 1        | Cover, Access                             |
| 12      | 098-6635    | 1        | Label, Ground                             |
| 13      | 856-0010    | 1        | Washer, Lock – W/EIT (3/8)                |
| 14      | 332-2001    | 1        | Lug, Solderless                           |
| 15      | 526-2120    | 1        | Washer, Flat (M10)                        |
| 16      | 850-2010    | 1        | Washer, Lock – Split (M10)                |
| 17      | 800-2088    | 1        | Screw, Cap – Hex Head (M10 x<br>1.5 x 35) |
| 18      | 319-5155-02 | 4        | Spacer, Circuit Breaker Box               |
| 19      | 526-0399-58 | 9        | Washer, Flat (M6) (Used With<br>Spacer)   |
| 20      | 098-5347    | 1        | Label, Danger                             |

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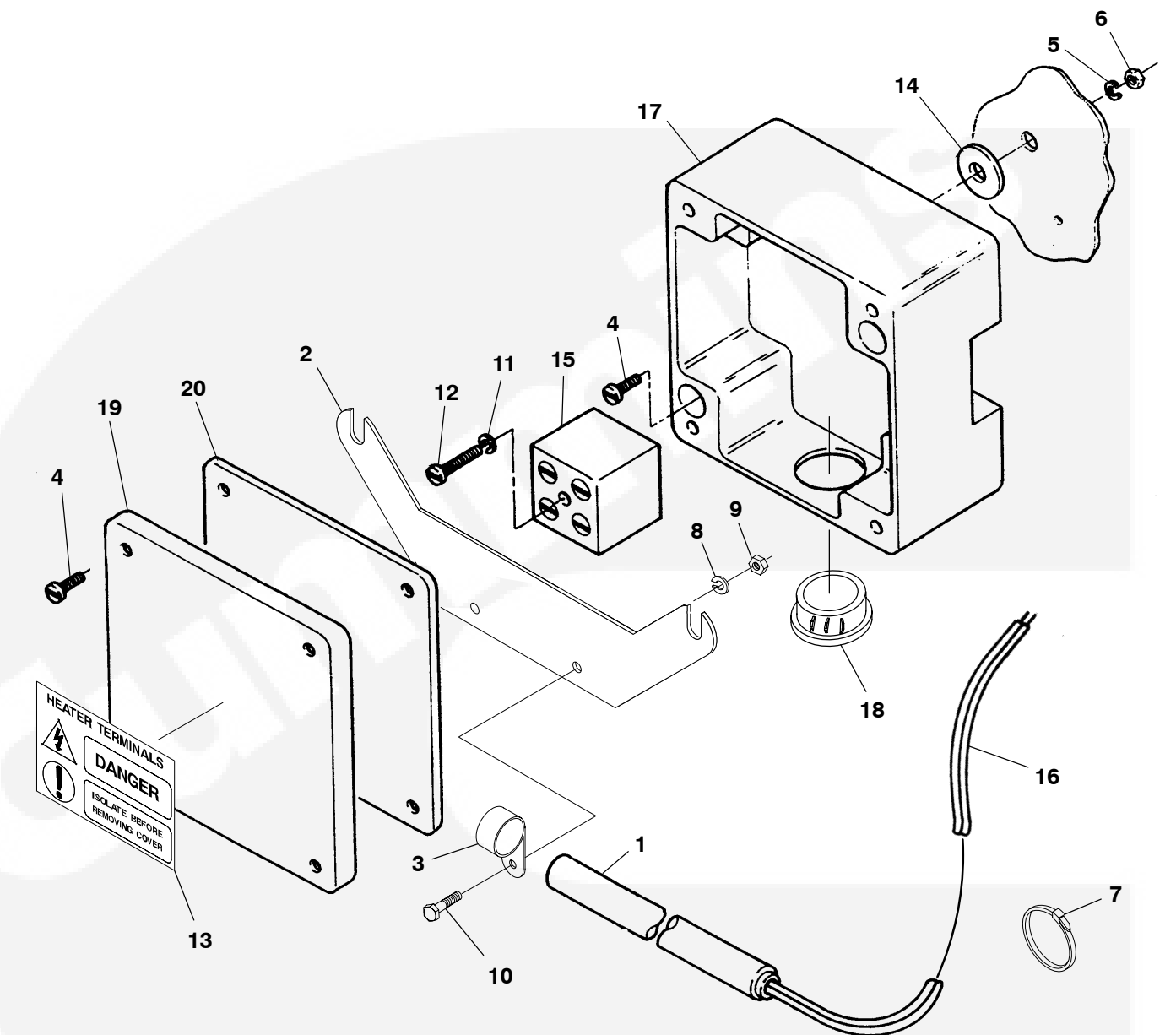


## Generator Mounting



| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                            | REF NO. | PART NO. | QTY USED | PART DESCRIPTION                                     |
|---------|-------------|----------|---------------------------------------------|---------|----------|----------|------------------------------------------------------|
| 1       | 800-0303    | 2        | Screw, Cap – Hex Head<br>(1-1/4–7 x 3-1/2") | 9       | 805-0035 | 6        | Bolt, Place (5/8–11 x 1-1/2")<br>Grade 8             |
| 2       | 232-3941-01 | 4        | Shim (2.6mm Thick)                          | 10      | 526-0416 | 6        | Washer, Flat (5/8")                                  |
| 3       | 232-3941-02 | 4        | Shim (1.9mm Thick)                          | 11      | 332-3196 | 1        | Clamp, "J"                                           |
| 4       | 232-3941-03 | 4        | Shim (0.6mm Thick)                          | 12      | 800-0576 | 16       | Screw, Cap – Hex Head –<br>(1/2–13 x 1-3/4") Grade 8 |
| 5       | 232-3941-04 | 4        | Shim (4.8mm Thick)                          |         |          |          |                                                      |
| 6       | 862-0017    | 2        | Nut, Hex (1-1/4–7)                          |         |          |          |                                                      |
| 7       | 526-0445    | 4        | Washer, Flat (1-1/4)                        |         |          |          |                                                      |
| 8       | 850-0060    | 16       | Washer, Lock – Spring (1/2")                |         |          |          |                                                      |

## Generator Heater



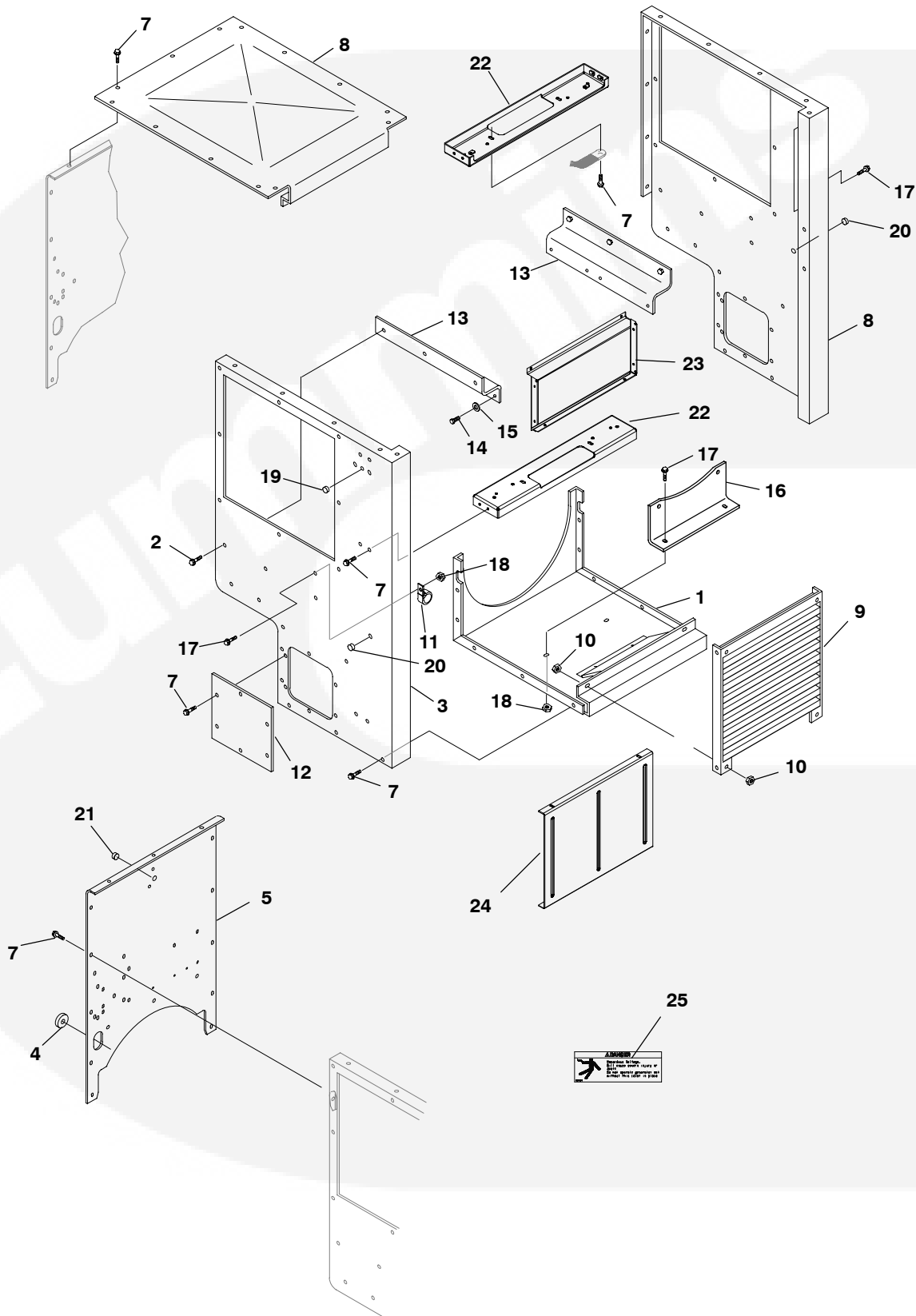
| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                              | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                              |
|---------|-------------|----------|-----------------------------------------------|---------|-------------|----------|---------------------------------------------------------------|
| 1       | 333-0438-05 | 1        | Cartridge, Heater (300 Watt)                  | 11      | 850-2003    | 1        | Washer, Lock - Spring (M3)                                    |
|         | 333-0438-06 | 1        | 120 Volt                                      | 12      | 822-3047    | 1        | Screw, Machine - Pan Head (M3 x 20mm)                         |
| 2       | 232-3849    | 1        | 240 Volt                                      | 13      | 098-7281    | 1        | Label, Heater Warning                                         |
| 3       | 332-3024-14 | 2        | Bracket, Mounting - Heater                    | 14      | 508-0228    | 1        | Grommet                                                       |
| 4       | 822-3075    | 6        | Clamp, Loop                                   | 15      | 332-3023    | 1        | Block, Terminal                                               |
|         |             |          | Screw, Machine - Slotted Pan Head (M4 x 16mm) | 16      | 898-1254-25 | 1        | Sleeving - Heater Leads (59")                                 |
| 5       | 850-2004    | 2        |                                               | 17      | 330-0142    | 1        | Box, Terminal (Includes Cover and Gasket - Ref No. 19 and 20) |
| 6       | 860-2005    | 2        | Washer, Lock - Spring (M4)                    | 18      | 517-0021    | 1        | Plug, Dot Button                                              |
| 7       | 332-1389    | 4        | Nut, Hex (M4)                                 | 19      | 330-0141-03 | 1        | Cover, Box                                                    |
| 8       | 850-2005    | 2        | Tie, Cable                                    | 20      | 330-0141-04 | 1        | Gasket, Cover                                                 |
| 9       | 860-2006    | 2        | Washer, Lock - Spring (M5)                    |         |             |          |                                                               |
| 10      | 800-2008    | 2        | Nut, Hex (M5)                                 |         |             |          |                                                               |
|         |             |          | Screw, Cap - Hex Head (M5 x 16mm)             |         |             |          |                                                               |

## Generator

Generator component parts cannot be ordered from Cummins Power Generation. Refer to the Newage nameplate and supply all available information. Contact your nearest Newage distributor for assistance in ordering component parts. For COMPLETE generator replacement use the 200-XXXX-XX or the 249-XXXX-XX Cummins Power Generation identification number listed below.

| Cummins Power Generation Identification Number | Generator Model Number |
|------------------------------------------------|------------------------|
| 200-3049-03                                    | HC534E                 |
| 200-3050-04                                    | HC534F                 |
| 200-3051-01                                    | HC634G                 |
| 200-3051-02                                    | HC634H                 |
| 200-3051-03                                    | HC634J                 |
| 200-3052-01                                    | HC634G                 |
| 200-3052-02                                    | HC634H                 |
| 200-3052-03                                    | HC634J                 |
| 200-3053-01                                    | HC634G                 |
| 200-3053-02                                    | HC634H                 |
| 249-5095-04                                    | MV734WE                |
| 249-5096-02                                    | MV634WJ                |

# Control Housing Model HC5 Generators PCC2100

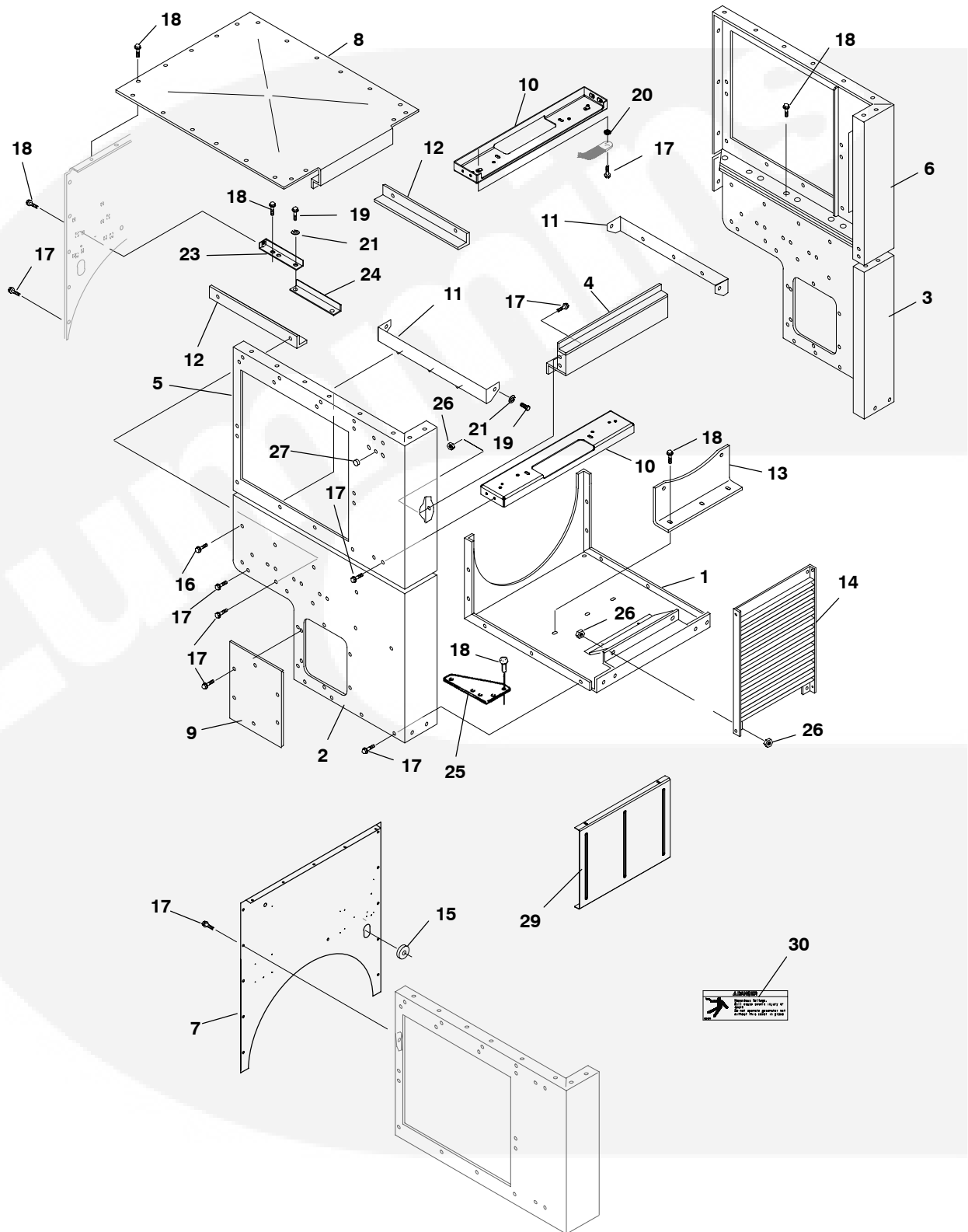




**Control Housing  
Model HC5 Generators  
PCC2100**

| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                   | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                  |
|---------|-------------|----------|----------------------------------------------------|---------|-------------|----------|---------------------------------------------------|
| 1       | 319-3270-01 | 1        | Panel – Bottom                                     | 14      | 800-2111    | 6        | Screw, Cap – Hex Head (M12 x 25mm)                |
| 2       | 821-6004-01 | 6        | Screw, Self-Locking – Hex Washer Head (M10 x 20mm) | 15      | 850-2012    | 6        | Washer, Lock – Spring (M12)                       |
| 3       | 319-3287-01 | 1        | Panel – Right Side                                 | 16      | 319-1346    | 1        | Bracket, Panel                                    |
| 4       | 508-1057    | 1        | Grommet, Rubber (Fits 2-1/4" Hole)                 | 17      | 821-6003-02 | 5        | Screw, Self-Locking – Hex Washer Head (M8 x 20mm) |
| 5       | 319-3290    | 1        | Panel – Front                                      | 18      | 870-2055    | 5        | Nut, Locking – Hex Head (M8)                      |
| 6       | 301-9512    | 1        | Cover, Top                                         | 19      | 517-0131    | 1        | Plug, Hole (Fits 3/8" Hole)                       |
| 7       | 821-6002-03 | 61       | Screw, Self-Locking – Hex Washer Head (M6 x 16mm)  | 20      | 517-0136    | 2        | Plug, Hole (Fits 3/4" Hole)                       |
| 8       | 319-3287-02 | 1        | Panel – Left Side                                  | 21      | 517-0135    | 1        | Plug, Hole (Fits 5/8" Hole)                       |
| 9       | 319-2768    | 1        | Grille                                             | 22      | 405-7249-02 | 2        | Rail, Enclosure (Support)                         |
| 10      | 870-2054    | 8        | Nut, Locking – Hex Flange Head (M6)                | 23      | 405-7254-02 | 1        | Rail, Enclosure (Front)                           |
| 11      | 518-0548-02 | 2        | Clamp, "J"                                         | 24      | 405-7666-02 | 1        | Cover, Access – Control                           |
| 12      | 301-9629    | 2        | Cover, Side – Lower                                | 25      | 098-5347    | 1        | Label, Danger                                     |
| 13      | 319-3327    | 2        | Bracket, Mounting                                  |         |             |          |                                                   |

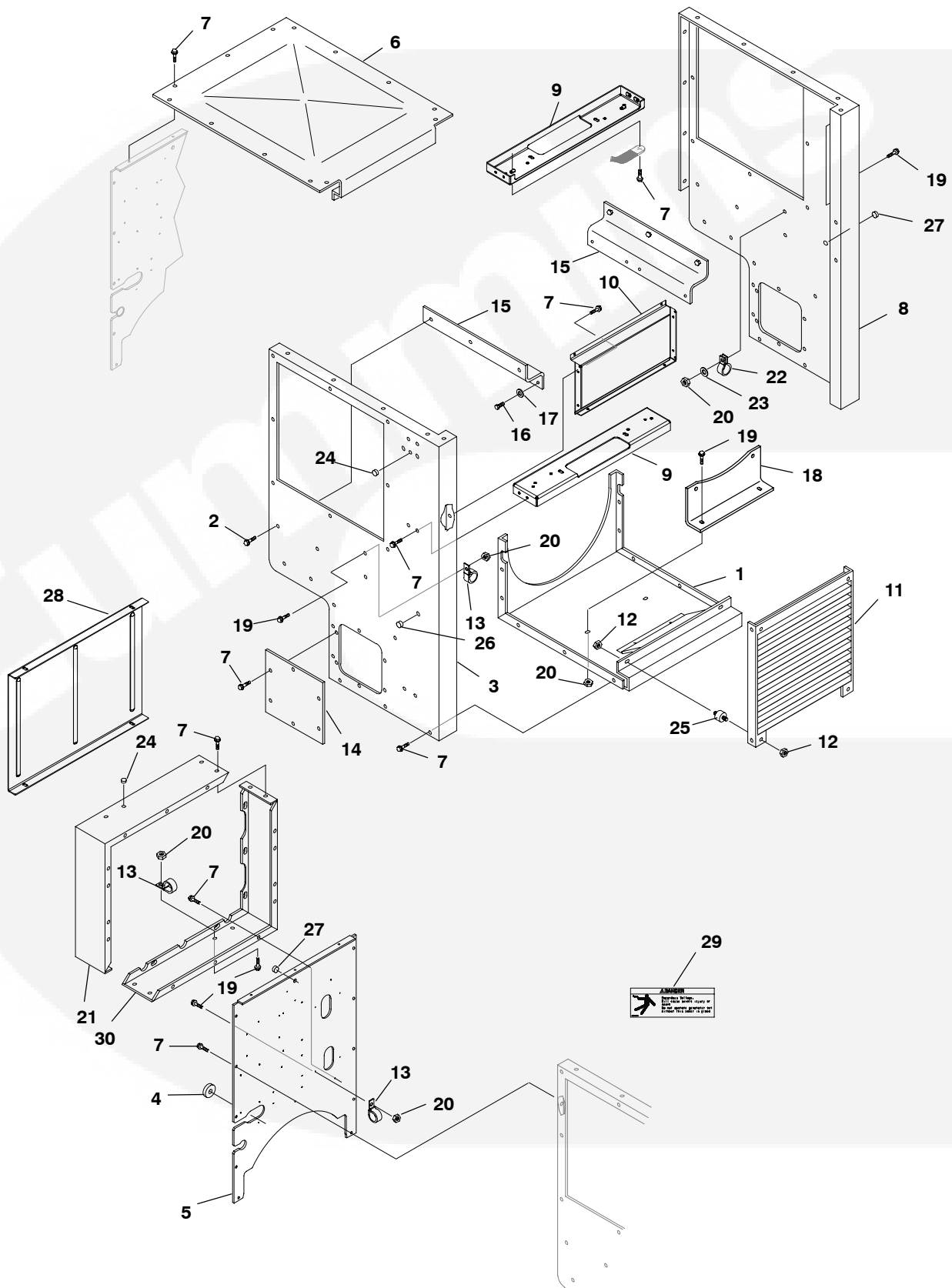
# Control Housing Model HC6 Generators PCC2100



**Control Housing  
Model HC6 Generators  
PCC2100**

| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                  | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                        |
|---------|-------------|----------|-----------------------------------|---------|-------------|----------|-----------------------------------------|
| 1       | 319-3270-03 | 1        | Panel, Bottom                     | 18      | 821-6003-02 | 62       | Screw, Hex Head (M8 x 1.25 x 20)        |
| 2       | 319-3283-01 | 1        | Panel, Weldment - RH              | 19      | 800-2086    | 15       | Screw, Cap - Hex Head (M10 x 1.50 x 25) |
| 3       | 319-3283-02 | 1        | Panel, Weldment - LH              | 20      | 856-0006    | 1        | Washer, Lock - W/EIT (1/4)              |
| 4       | 405-7245-02 | 1        | Rail, Enclosure - Front           | 21      | 850-2010    | 15       | Washer, Lock (M10)                      |
| 5       | 319-3281-01 | 1        | Panel, Weldment - RH              | 22      | 526-0141    | 10       | Washer, Flat (3/8)                      |
| 6       | 319-3281-02 | 1        | Panel, Weldment - LH              | 23      | 319-3263    | 1        | Angle, Support                          |
| 7       | 319-3262    | 1        | Panel, Control Housing - Rear     | 24      | 319-3269    | 1        | Angle, Support                          |
| 8       | 319-1093    | 1        | Panel, Control Housing - Top      | 25      | 319-1203-01 | 2        | Gusset, Control Housing                 |
| 9       | 319-0881    | 2        | Cover, Lower Housing - Side       | 26      | 870-2054    | 10       | Nut, Lock - Flange (M6 x 1.0)           |
| 10      | 405-7247-02 | 2        | Rail, Enclosure - Support         | 27      | 517-0131    | 1        | Plug, Hole                              |
| 11      | 319-3267    | 2        | Bracket, Saddle                   | 28      | 517-0135    | 1        | Plug, Hole (Not Shown)                  |
| 12      | 319-3260    | 2        | Angle, Housing                    | 29      | 405-7666-02 | 1        | Cover, Access - Control                 |
| 13      | 319-1091    | 1        | Bracket, Panel                    | 30      | 098-5347    | 1        | Label, Danger                           |
| 14      | 319-2767    | 1        | Grille                            |         |             |          |                                         |
| 15      | 508-1057    | 1        | Grommet                           |         |             |          |                                         |
| 16      | 821-6004-01 | 12       | Screw, Hex Head (M10 x 1.50 x 20) |         |             |          |                                         |
| 17      | 821-6002-03 | 33       | Screw, Hex Head (M6 x 1.00 x 16)  |         |             |          |                                         |

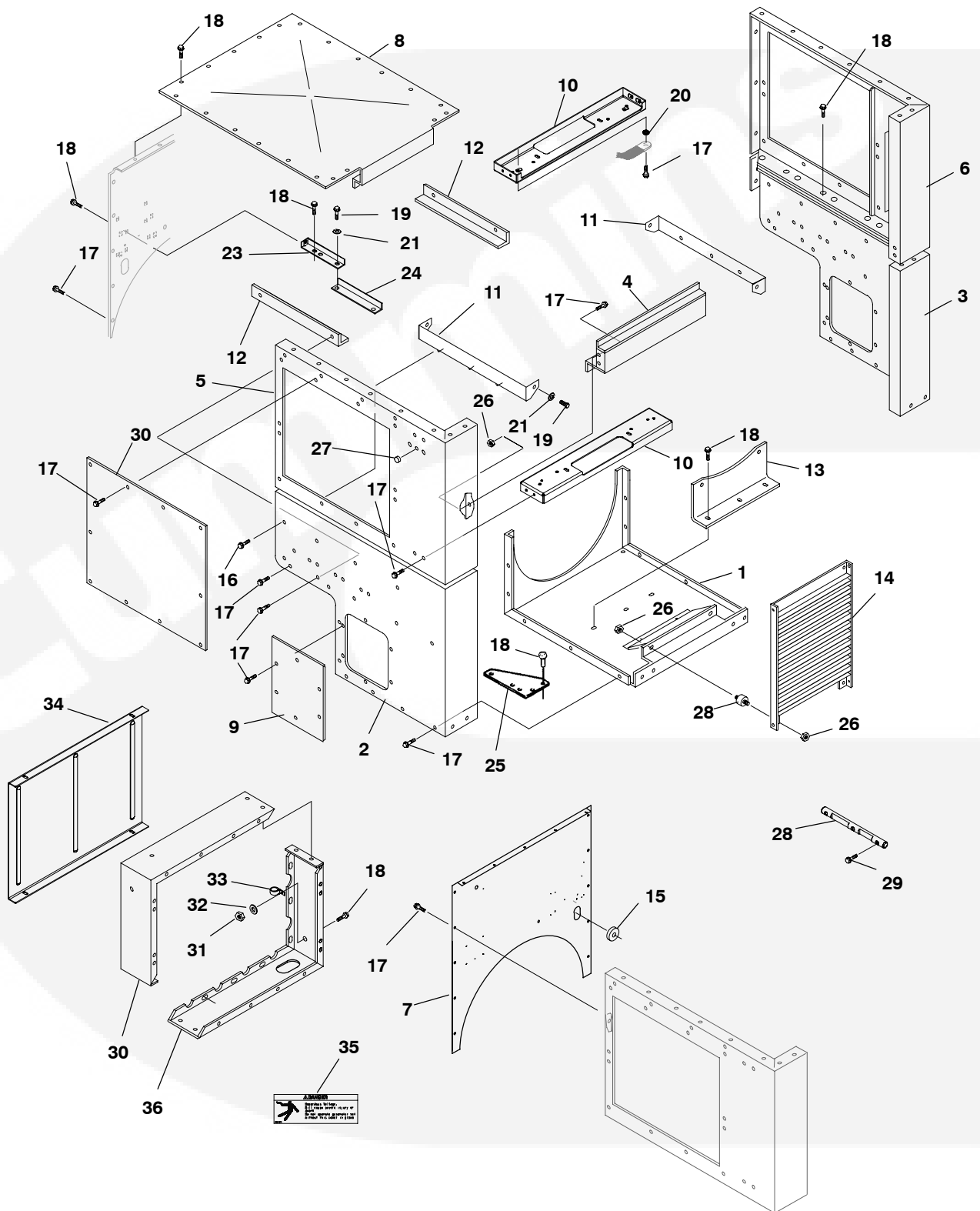
# Control Housing Model HC5 Generators PCC3100



**Control Housing  
Model HC5 Generators  
PCC3100**

| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                   | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                       |
|---------|-------------|----------|----------------------------------------------------|---------|-------------|----------|--------------------------------------------------------|
| 1       | 319-3270-02 | 1        | Panel – Bottom                                     | 16      | 800-2111    | 6        | Screw, Cap – Hex Head (M12 x 25mm)                     |
| 2       | 821-6004-01 | 6        | Screw, Self-Locking – Hex Washer Head (M10 x 20mm) | 17      | 850-2012    | 6        | Washer, Lock – Spring (M12)                            |
| 3       | 319-3287-01 | 1        | Panel – Right Side                                 | 18      | 319-1346    | 1        | Bracket, Panel                                         |
| 4       | 508-1090    | 2        | Grommet, Rubber (Fits 3-1/4" Hole)                 | 19      | 821-6003-02 | 7        | Screw, Self-Locking – Hex Washer Head (M8 x 1.25 x 20) |
| 5       | 319-3273    | 1        | Panel – Front                                      | 20      | 870-2055    | 7        | Nut, Locking – Hex Head (M8 x 1.25)                    |
| 6       | 301-9512    | 1        | Cover, Top                                         | 21      | 319-3278    | 1        | Wrapper, Control Box                                   |
| 7       | 821-6002-03 | 71       | Screw, Self-Locking – Hex Washer Head (M6 x 16mm)  | 22      | 518-0548-24 | 1        | Clamp, Retainer                                        |
| 8       | 319-3287-02 | 1        | Panel – Left Side                                  | 23      | 526-2100    | 1        | Washer, Flat (M8)                                      |
| 9       | 405-7249-02 | 2        | Rail, Enclosure – Support                          | 24      | 517-0131    | 3        | Plug, Hole (Fits 3/8" Hole)                            |
| 10      | 405-7254-02 | 1        | Rail, Enclosure – Front                            | 25      | 402-0729    | 4        | Isolator, Vibration                                    |
| 11      | 319-2768    | 1        | Grille                                             | 26      | 517-0136    | 2        | Plug, Hole (Fits 3/4" Hole)                            |
| 12      | 870-2054    | 8        | Nut, Locking – Hex Flange Head (M6 x 1.0)          | 27      | 517-0135    | 1        | Plug, Hole (Fits 5/8" Hole)                            |
| 13      | 518-0548-02 | 3        | Clamp, Hose                                        | 28      | 405-7666-02 | 1        | Cover, Access                                          |
| 14      | 301-9629    | 2        | Cover, Side – Lower                                | 29      | 098-5347    | 1        | Label, Danger                                          |
| 15      | 319-3327    | 2        | Bracket, Mounting                                  | 30      | 319-5656-02 | 1        | Box, Control (Wrapper)                                 |
|         |             |          |                                                    | 31      | 518-0548-44 | 1        | Clamp, Hose (Not Shown)                                |

# Control Housing Model HC6 Generators PCC3100

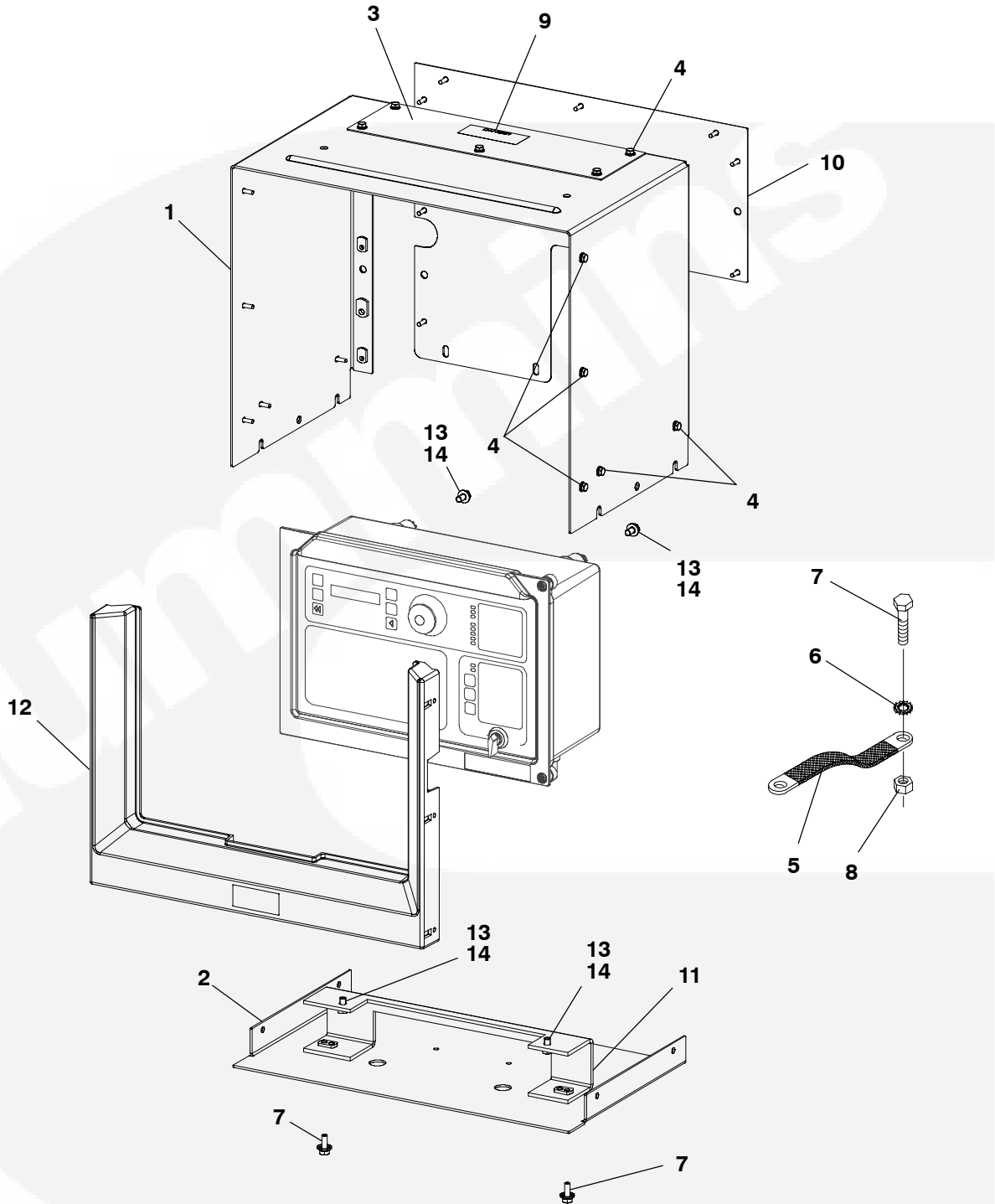


**Control Housing  
Model HC6 Generators  
PCC3100**

| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                        | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION               |
|---------|-------------|----------|-----------------------------------------|---------|-------------|----------|--------------------------------|
| 1       | 319-3270-03 | 1        | Panel, Bottom                           | 21      | 850-2010    | 15       | Washer, Lock (M10)             |
| 2       | 319-3283-01 | 1        | Panel, Weldment - RH                    | 22      | 526-0141    | 10       | Washer, Flat (3/8)             |
| 3       | 319-3283-02 | 1        | Panel, Weldment - LH                    | 23      | 319-3263    | 1        | Angle, Support                 |
| 4       | 319-2778    | 1        | Panel, Control Housing - Front          | 24      | 319-3269    | 1        | Angle, Support                 |
| 5       | 319-3281-01 | 1        | Panel, Weldment - RH                    | 25      | 319-1203-01 | 2        | Gusset, Control Housing        |
| 6       | 319-3281-02 | 1        | Panel, Weldment - LH                    | 26      | 870-2054    | 10       | Nut, Lock - Flange (M6 x 1.0)  |
| 7       | 319-3276    | 1        | Panel, Control Housing - Rear           | 27      | 517-0131    | 3        | Plug, Hole                     |
| 8       | 319-1093    | 1        | Panel, Control Housing - Top            | 28      | 517-0135    | 1        | Plug, Hole                     |
| 9       | 319-0881    | 2        | Cover, Lower Housing - Side             | 29      |             |          | Cover, Side - Upper            |
| 10      | 405-7247-02 | 2        | Rail, Enclosure - Support               |         | 319-1095    | 2        | Without Circuit Breaker,       |
| 11      | 319-3267    | 2        | Bracket, Saddle                         |         |             |          | Entrance Box or BUS Box        |
| 12      | 319-3260    | 2        | Angle, Housing                          |         | 319-1095    | 1        | With Circuit Breaker,          |
| 13      | 319-1091    | 1        | Bracket, Panel                          |         |             |          | Entrance Box or BUS Box        |
| 14      | 319-2767    | 1        | Grille                                  | 30      | 319-3277    | 1        | Wrapper, Control Box           |
| 15      | 508-1090    | 2        | Grommet                                 | 31      | 870-2055    | 2        | Nut, Lock - Flange (M8 x 1.25) |
| 16      | 821-6004-01 | 12       | Screw, Hex Head (M10 x 1.50 x 20)       | 32      | 526-1115    | 2        | Washer, Flat (5/16)            |
|         |             |          |                                         | 33      |             |          | Clamp                          |
| 17      | 821-6002-03 | 33       | Screw, Hex Head (M6 x 1.00 x 16)        |         | 332-2634    | 2        | Engine Side ((3/4" ID)         |
|         |             |          |                                         |         | 518-0548-42 | 2        | Control Side (1-1/16" ID)      |
| 18      | 821-6003-02 | 71       | Screw, Hex Head (M8 x 1.25 x 20)        | 34      | 405-7666-02 | 1        | Cover, Access (Control)        |
|         |             |          |                                         | 35      | 098-5347    | 1        | Label, Danger                  |
| 19      | 800-2086    | 15       | Screw, Cap - Hex Head (M10 x 1.50 x 25) | 36      | 319-5655-02 | 1        | Box, Control (Wrapper)         |
|         |             |          |                                         | 37      | 518-0548-44 | 1        | Clamp, Hose (Not Shown)        |
| 20      | 856-0006    | 1        | Washer, Lock - W/EIT (1/4)              |         |             |          |                                |



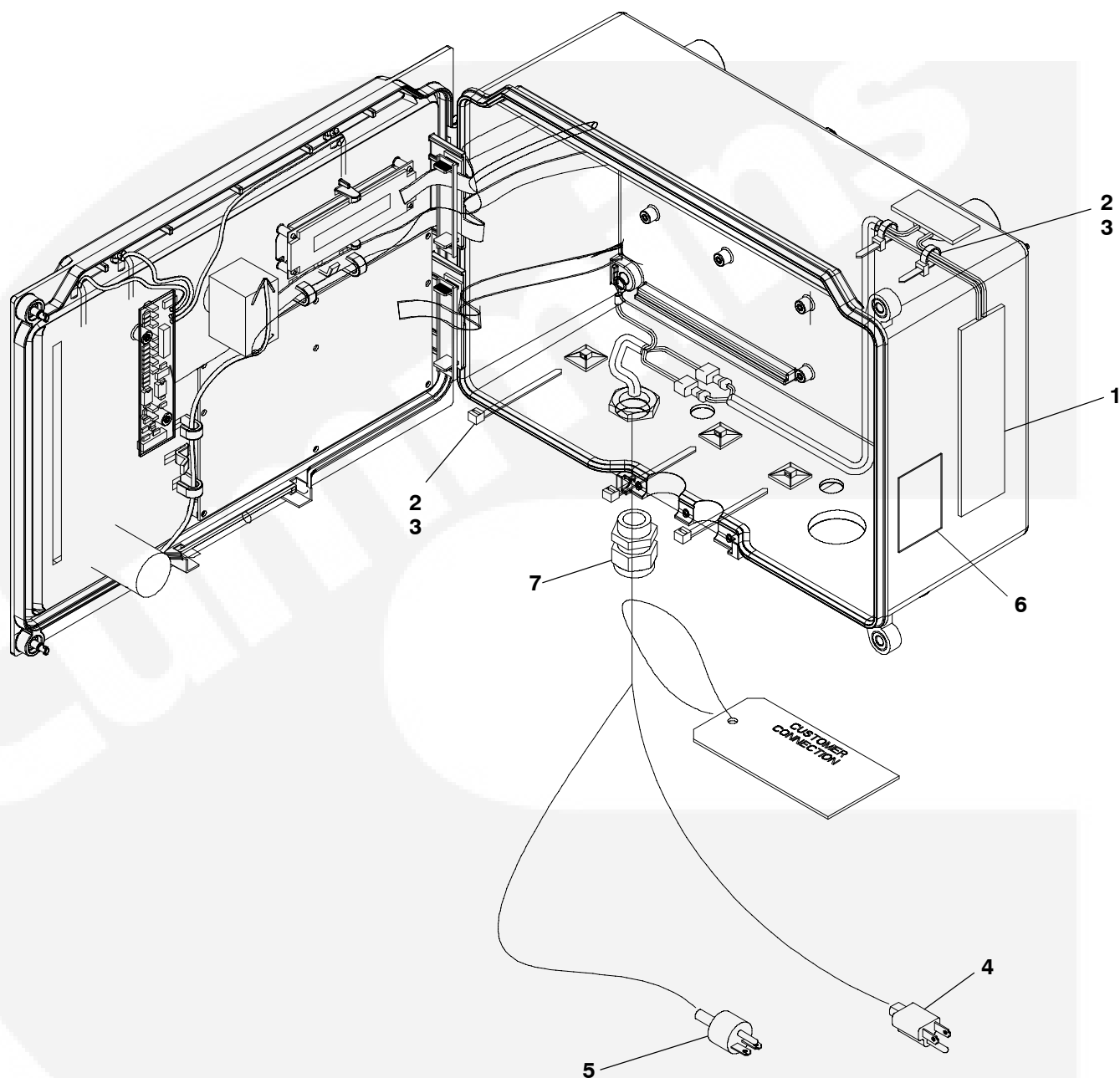
## Control Box Mounting PCC2100



| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION              | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                       |
|---------|-------------|----------|-------------------------------|---------|-------------|----------|----------------------------------------|
| 1       | 319-5559-02 | 1        | Box, Control                  | 9       | 098-5347    | 1        | Label, Danger                          |
| 2       | 319-5471-02 | 1        | Base, Control Box             | 10      | 319-5680-02 | 1        | Panel, Control Access - Back           |
| 3       | 319-5027-02 | 1        | Cover, Control                | 11      | 319-4456-02 | 1        | Bracket, Control                       |
| 4       | 821-6002-03 | 23       | Screw, Hex Head (M6 x 1 x 16) | 12      | 319-4457    | 1        | Panel, Control                         |
| 5       | 337-0049    | 1        | Strap, Bond                   | 13      | 526-2100    | 4        | Washer, Flat (M8)                      |
| 6       | 856-0010    | 1        | Washer, Lock - W/EIT (3/8)    | 14      | 800-2054    | 4        | Screw, Cap - Hex Head (M8 x 1.25 x 14) |
| 7       | 821-6003-01 | 3        | Screw, Hex (M8 x 1.25 x 16)   |         |             |          |                                        |
| 8       | 862-0001    | 1        | Nut, Hex - Heavy (1/4-20)     |         |             |          |                                        |



## Control Heater PCC2100

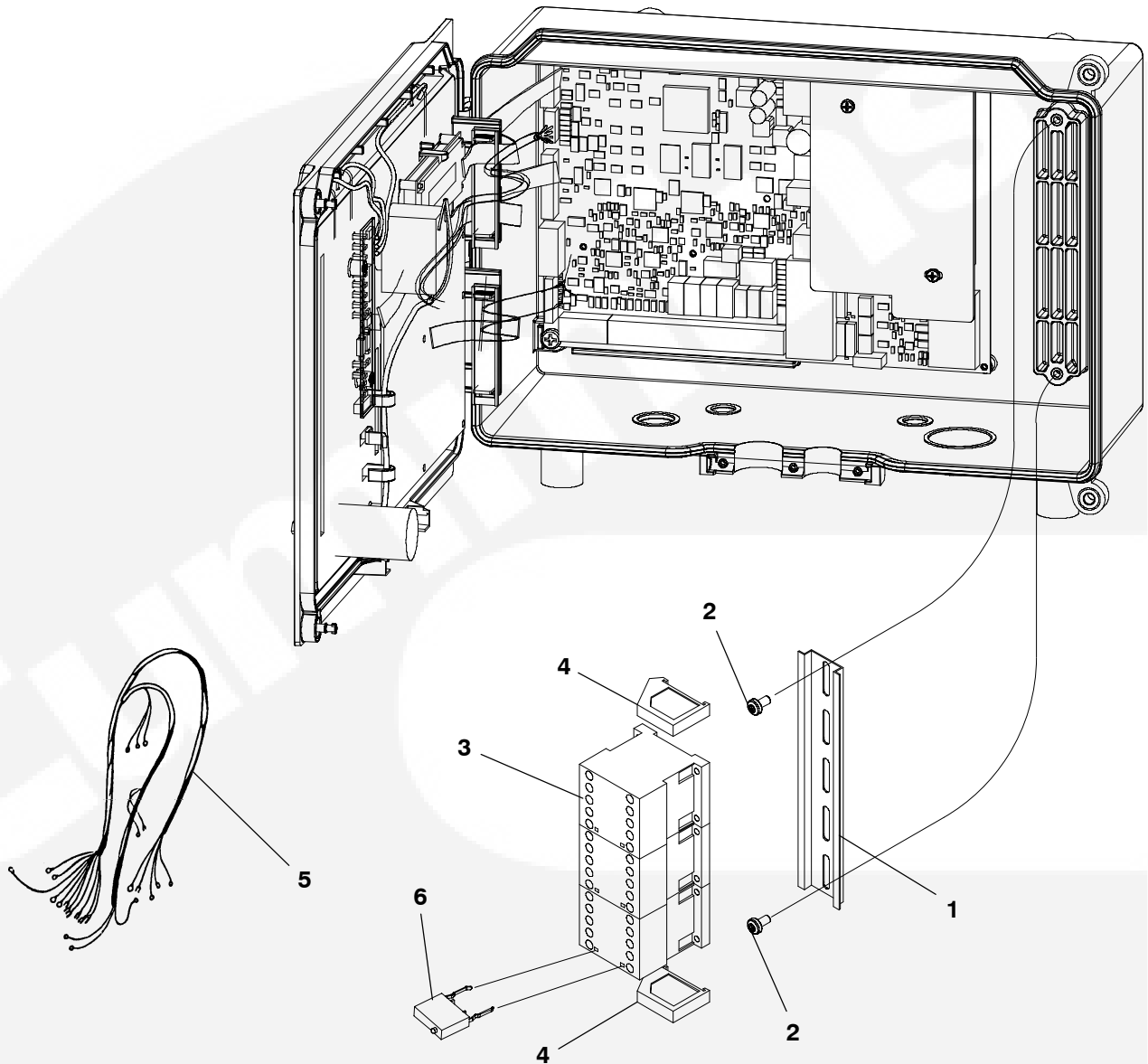


| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION             |
|---------|-------------|----------|------------------------------|
| 1       | 541-1416    | 1        | * Kit Heater, Relay          |
|         | 333-0661-01 | 1        | Heater, Control 120V         |
|         | 333-0661-02 | 1        | 240V                         |
| 2       | 332-2420    | 3        | Mount, Cable Tie             |
| 3       | 332-1445    | 3        | Tie, Cable                   |
| 4       | 335-0173    | 1        | Cable, Control Heater - 120V |

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

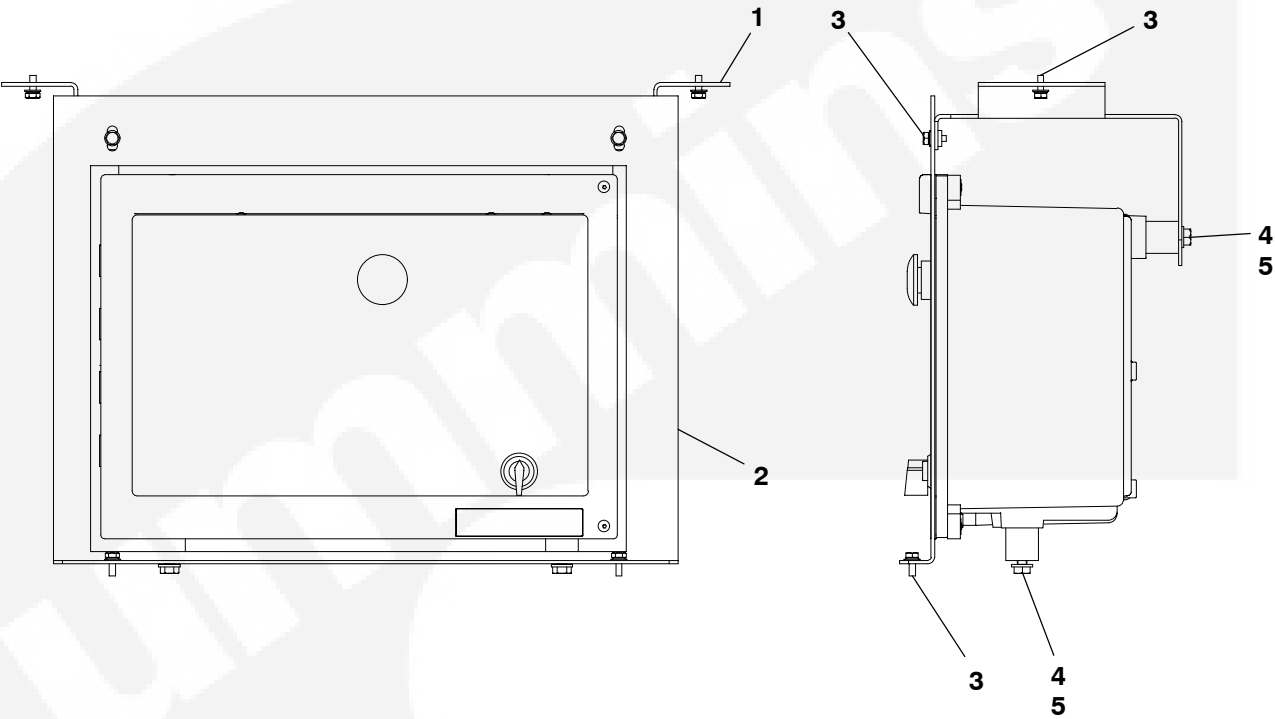
\*- Available for failed units, models DQAD, DQAE and DQAF Spec C. Not required for functioning units.

## Control Relay PCC2100



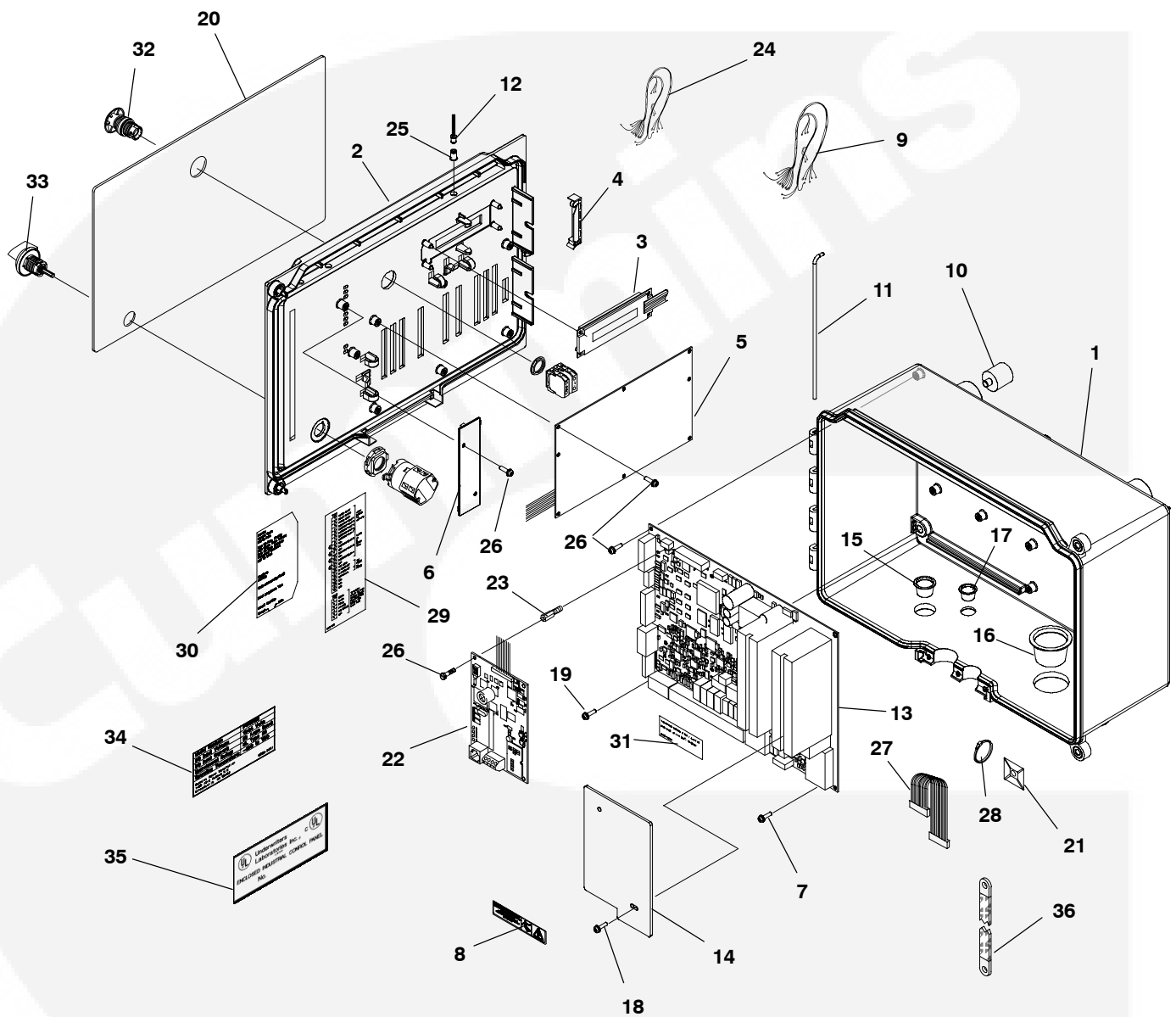
| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                      | REF NO. | PART NO. | QTY USED | PART DESCRIPTION        |
|---------|-------------|----------|---------------------------------------|---------|----------|----------|-------------------------|
| 1       | 332-3842-01 | 1        | Rail, Terminal Block                  | 4       | 332-2878 | 2        | Bracket, End - Terminal |
| 2       | 819-1154    | 2        | Screw, Pan Head - Cross Recessed (M5) | 5       | 338-4438 | 1        | Harness, Relay          |
| 3       | 307-2874    | 3        | Relay, Control - 24V                  | 6       | 305-1009 | 3        | Suppressor, Voltage     |

Control Installation  
PCC2100



| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                | REF NO. | PART NO. | QTY USED | PART DESCRIPTION                       |
|---------|-------------|----------|---------------------------------|---------|----------|----------|----------------------------------------|
| 1       | 405-7246-02 | 1        | Rail, Enclosure – Control       | 4       | 526-2100 | 4        | Washer, Flat (M8)                      |
| 2       | 405-7248-02 | 1        | Panel, Enclosure – Control      | 5       | 800-2054 | 4        | Screw, Cap – Hex Head (M8 x 1.25 x 14) |
| 3       | 821-6002-02 | 6        | Screw, Hex Head (M6 x 1.0 x 12) |         |          |          |                                        |

# Control PCC2100

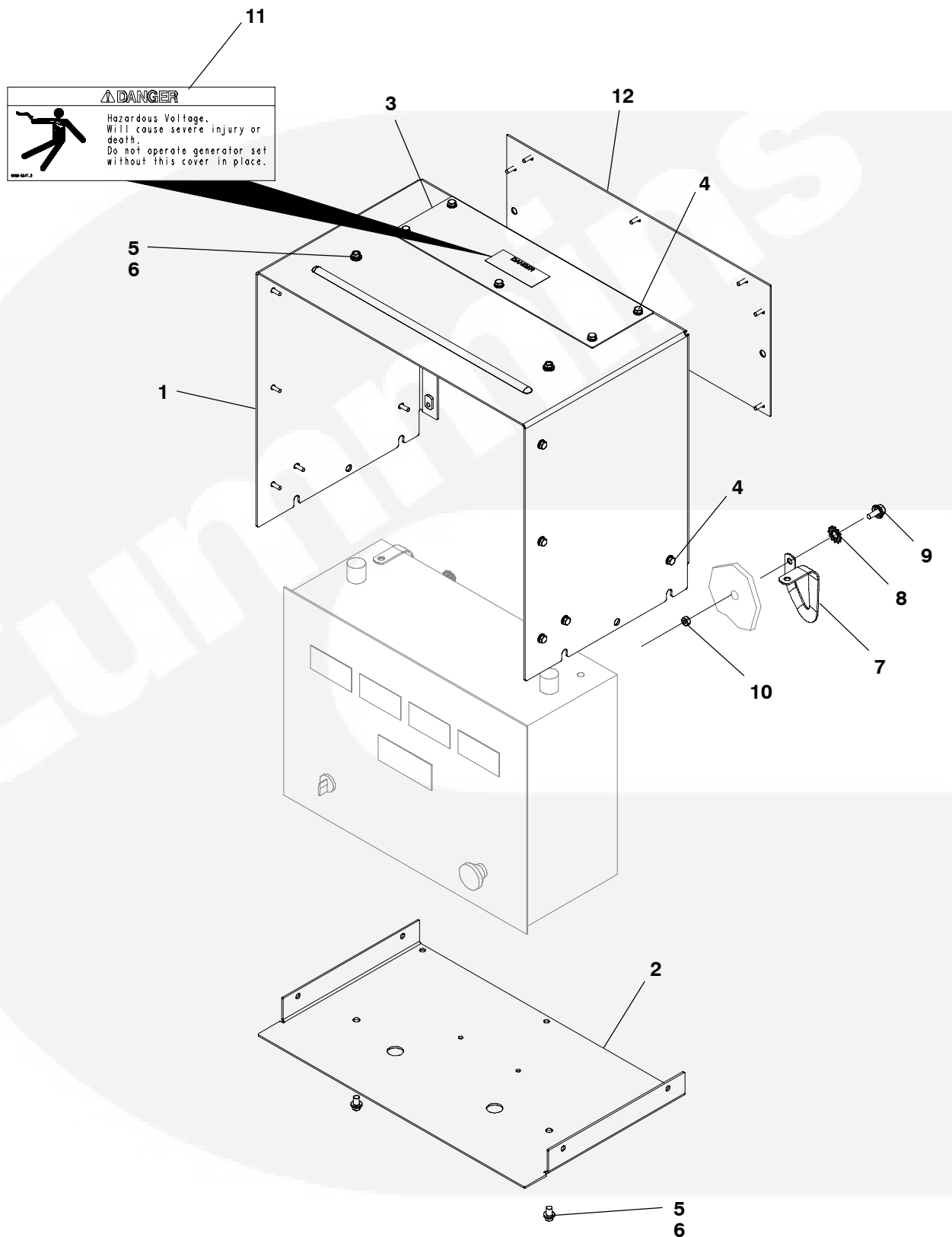


## Control PCC2100

| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                          | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                          |
|---------|-------------|----------|-------------------------------------------|---------|-------------|----------|-------------------------------------------|
| 1       | 319-4487    | 1        | Box, Control                              | 20      |             |          | Panel, Membrane                           |
| 2       | 319-4488    | 1        | Door Control                              |         | 300-5446    | 1        | With Bargraph                             |
| 3       | 300-5467    | 1        | Display, Digital                          |         | 300-5447    | 1        | Without Bargraph                          |
| 4       | 332-3896    | 4        | Clamp, Cable                              | 21      | 332-2420    | 2        | Mount, Cable Tie                          |
| 5       | 300-5180    | 1        | Board, Printed Circuit – Bargraph         | 22      | 327-1275    | 1        | Board, Printed Circuit – NCM              |
| 6       | 300-5383    | 1        | Board, Printed Circuit – LED              | 23      | 870-2213-02 | 4        | Standoff, Hex Threaded – With NCM         |
| 7       | 819-1137-02 | 4        | Screw, Pan Head – Cross Recessed (M3 x 8) | 24      | 338-3994    | 1        | Harness, Panel Light                      |
| 8       | 098-7904    | 2        | Label, Danger                             | 25      | 322-0488    | 3        | Lens, LED                                 |
| 9       | 338-3991    | 1        | Harness, Control – Door                   | 26      |             |          | Screw, Pan Head – Cross Recessed (M3 x 6) |
| 10      | 402-0764-01 | 4        | Mount, Isolator                           |         | 819-1137-01 | 11       | Without Bargraph                          |
| 11      | 406-0845    | 1        | Pin, Hinge                                |         | 819-1137-01 | 17       | With Bargraph                             |
| 12      | 322-0491    | 3        | Lamp, LED                                 | 27      | 335-0189    | 1        | Cable, Ribbon                             |
| 13      | 327-1379-01 | 1        | Board, Printed Circuit – Base             | 28      | 332-1445    | 3        | Tie, Cable                                |
| 14      | 319-4497    | 1        | Guard, Electrical                         | 29      | 098-7918    | 1        | Label, Information                        |
| 15      | 517-0356    | 1        | Plug, Hole (Fits 22.5mm DIA. Hole)        | 30      | 098-7961-01 | 1        | Label, Information – Panel Insert         |
| 16      | 517-0357    | 1        | Plug, Hole (Fits 38mm DIA. Hole)          | 31      | 098-7989    | 1        | Label, Instruction – Torque               |
| 17      | 517-0355    | 2        | Plug, Hole (Fits 16mm DIA. Hole)          | 32      | 308-0999    | 1        | Switch, Emergency Stop                    |
| 18      | 815-0792-02 | 2        | Screw, Machine – Pan Head (M4 x 0.7 x 8)  | 33      | 308-1085    | 1        | Switch, Selector                          |
| 19      | 819-1144    | 2        | Screw, Pan Head – Cross Recessed (M6 x 8) | 34      | 098-8057    | 1        | Label, Information – Rating               |
|         |             |          |                                           | 35      | 098-6984    | 1        | Label, UL                                 |
|         |             |          |                                           | 36      | 337-0049    | 1        | Strap, Bond                               |



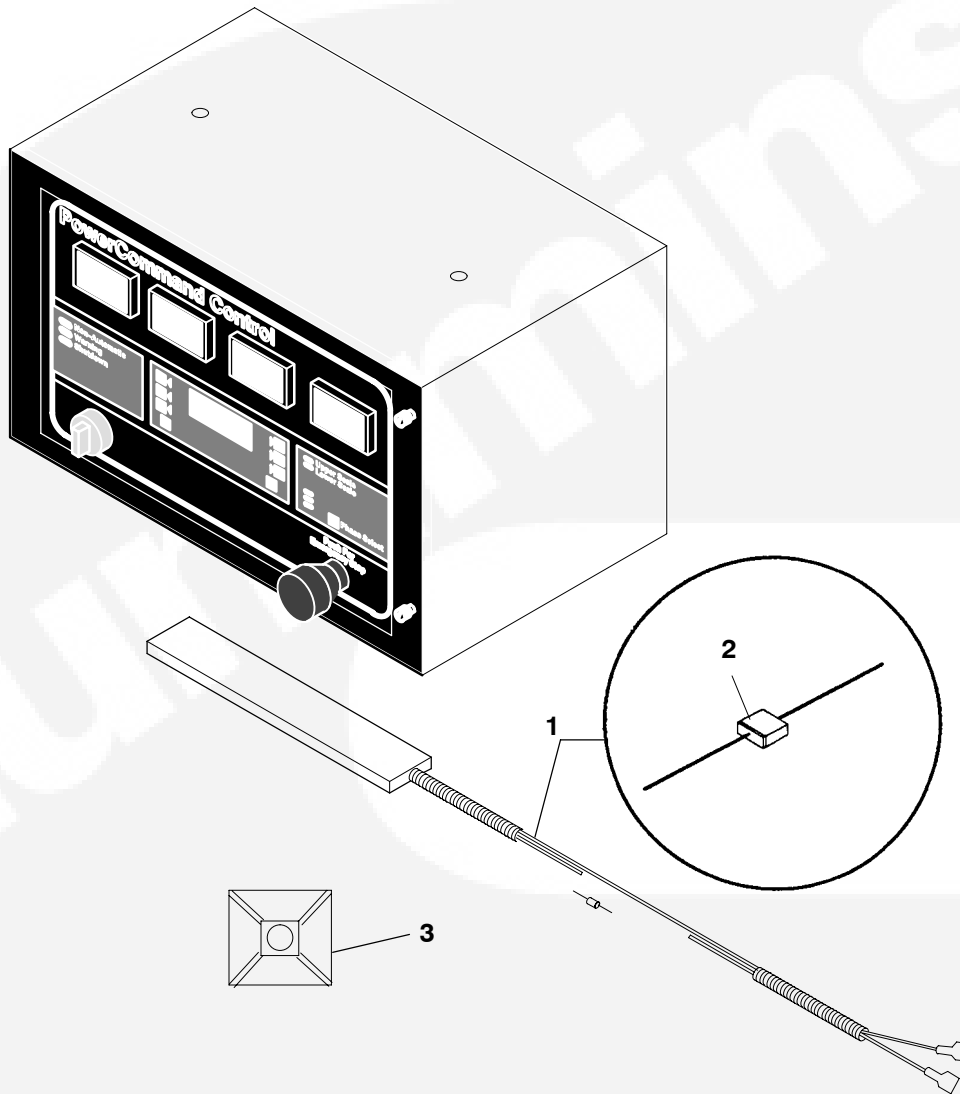
## Control Box Mounting PCC3100



## Control Box Mounting PCC3100

| REF<br>NO. | PART<br>NO. | QTY<br>USED | PART<br>DESCRIPTION             | REF<br>NO. | PART<br>NO. | QTY<br>USED | PART<br>DESCRIPTION              |
|------------|-------------|-------------|---------------------------------|------------|-------------|-------------|----------------------------------|
| 1          | 319-5559-02 | 1           | Box, Control                    | 7          | 337-0049    | 2           | Strap, Bond                      |
| 2          | 319-5471-02 | 1           | Base, Control Box               | 8          | 856-0010    | 2           | Washer, Lock – W/EIT (3/8)       |
| 3          | 319-5027-02 | 1           | Cover, Control                  | 9          | 821-6003-01 | 2           | Screw, Hex Head (M8 x 1.25 x 16) |
| 4          | 821-6002-03 | 17          | Screw, Hex Head (M6 x 1 x 16)   | 10         | 862-0001    | 2           | Nut, Hex (1/4-20)                |
| 5          | 850-0045    | 4           | Washer, Lock – Split (5/16)     | 11         | 098-5347    | 1           | Label, Danger                    |
| 6          | 821-0014    | 4           | Screw, Hex Head (5/16-18 x 1/2) | 12         | 319-5680-02 | 1           | Panel, Control Access – Back     |

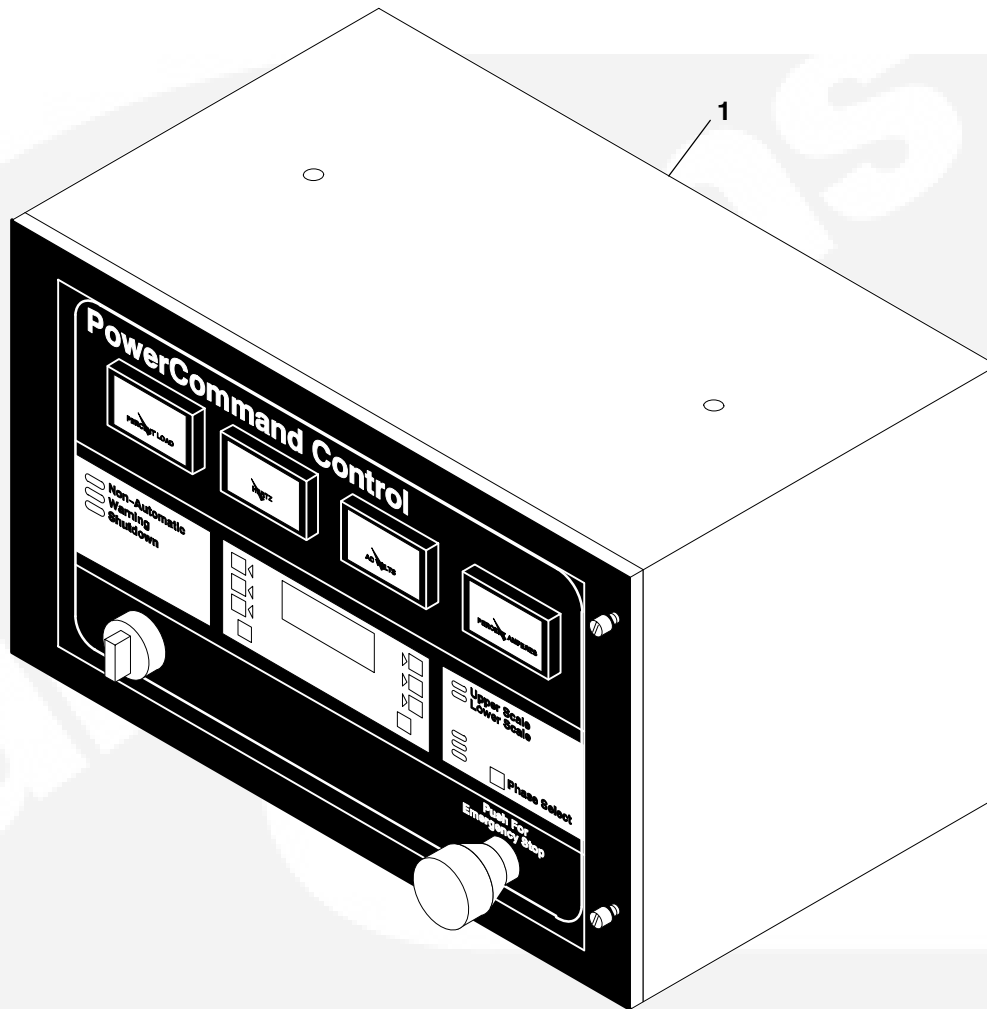
## Control Heater PCC3100



| 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       | 332-2420 | 1        | Mount, Cable      |
|         | 300-4515-02 | 1        | 240 Volt                                                 |         |          |          |                   |



Control  
PCC3100

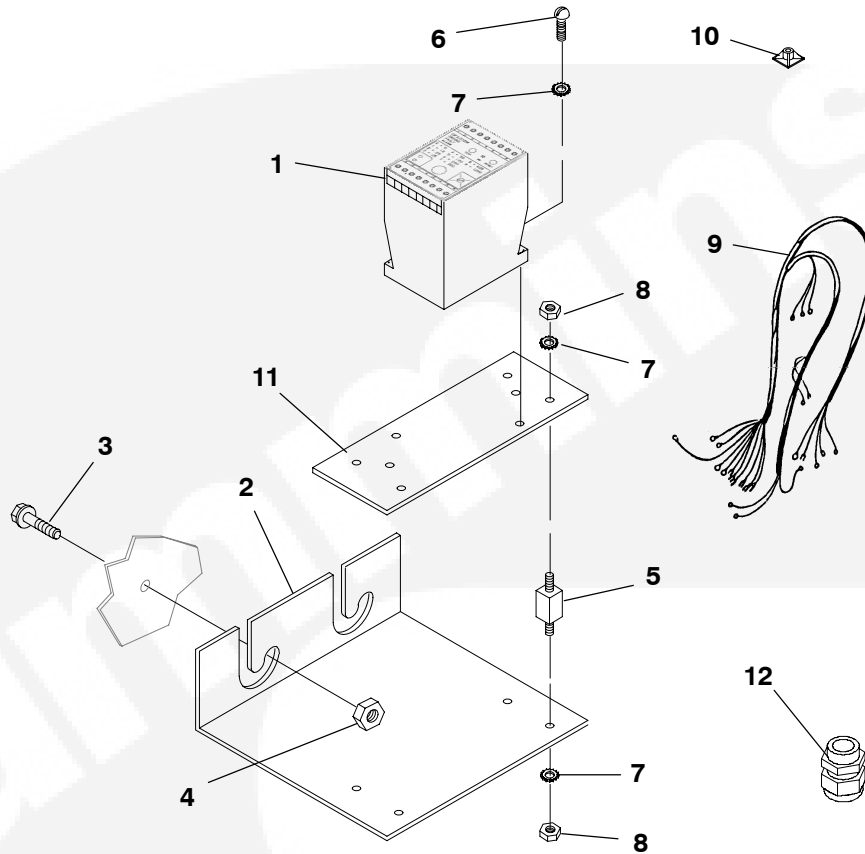


| REF NO. | PART NO. | QTY USED | PART DESCRIPTION      |
|---------|----------|----------|-----------------------|
| 1       | -        | 1        | Control, PowerCommand |

| REF NO. | PART NO. | QTY USED | PART DESCRIPTION |
|---------|----------|----------|------------------|
|---------|----------|----------|------------------|

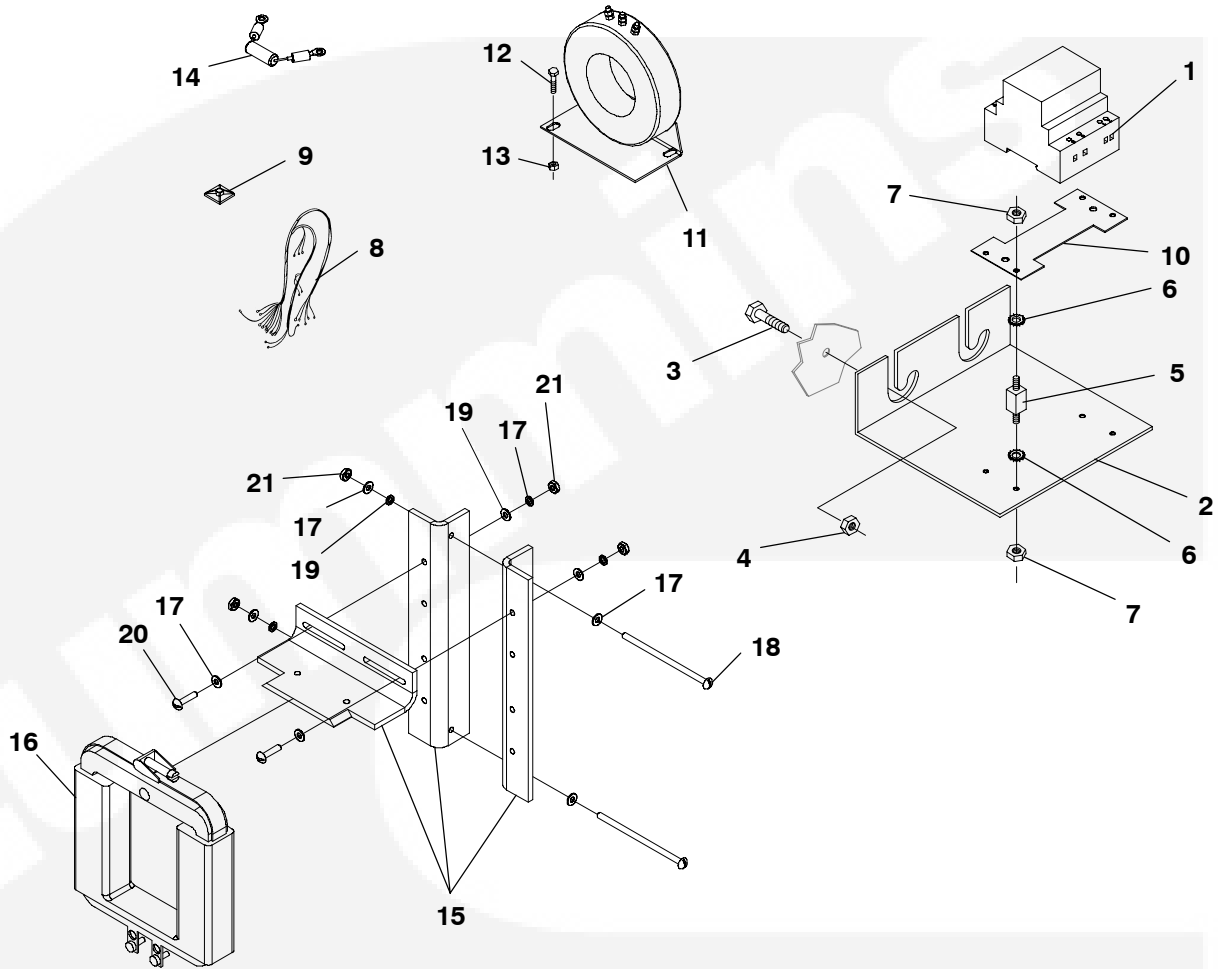
**Note:** For PowerCommand Control Service Replacement Parts, Order PowerCommand Control For Generator Sets Parts Catalog Number 960-0205.

# **Ground Fault Relay DFGB Spec J, DFGE Spec B**



| REF NO. | PART NO. | QTY USED | PART DESCRIPTION                                       | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                  |
|---------|----------|----------|--------------------------------------------------------|---------|-------------|----------|-----------------------------------|
| 1       | 307-2843 | 1        | Relay (GFA)                                            | 7       | 853-0005    | 8        | Washer, Lock – EIT (#8)           |
| 2       | 301-6987 | 1        | Bracket, Mounting                                      | 8       | 870-0221    | 10       | Nut, Hex (#8-32)                  |
| 3       | 821-0017 | 2        | Screw, Self-Locking – Hex Washer Head (5/16-18 x 1/2") | 9       | 338-4245    | 1        | Harness, Wiring – Relay 4-5 Frame |
| 4       | 870-0257 | 2        | Nut, Hex – Self-Locking (5/16-18)                      |         | 338-4246    | 1        | 6-7 Frame                         |
| 5       | 402-0354 | 4        | Mount, Shock                                           | 10      | 332-2420    | 2        | Mount, Cable Tie                  |
| 6       | 812-0081 | 2        | Screw, Machine – Round Head (#8-32 x 5/8")             | 11      | 319-0030    | 1        | Plate, Mounting                   |
|         |          |          |                                                        | 12      | 323-2003-01 | 1        | Relief, Strain                    |

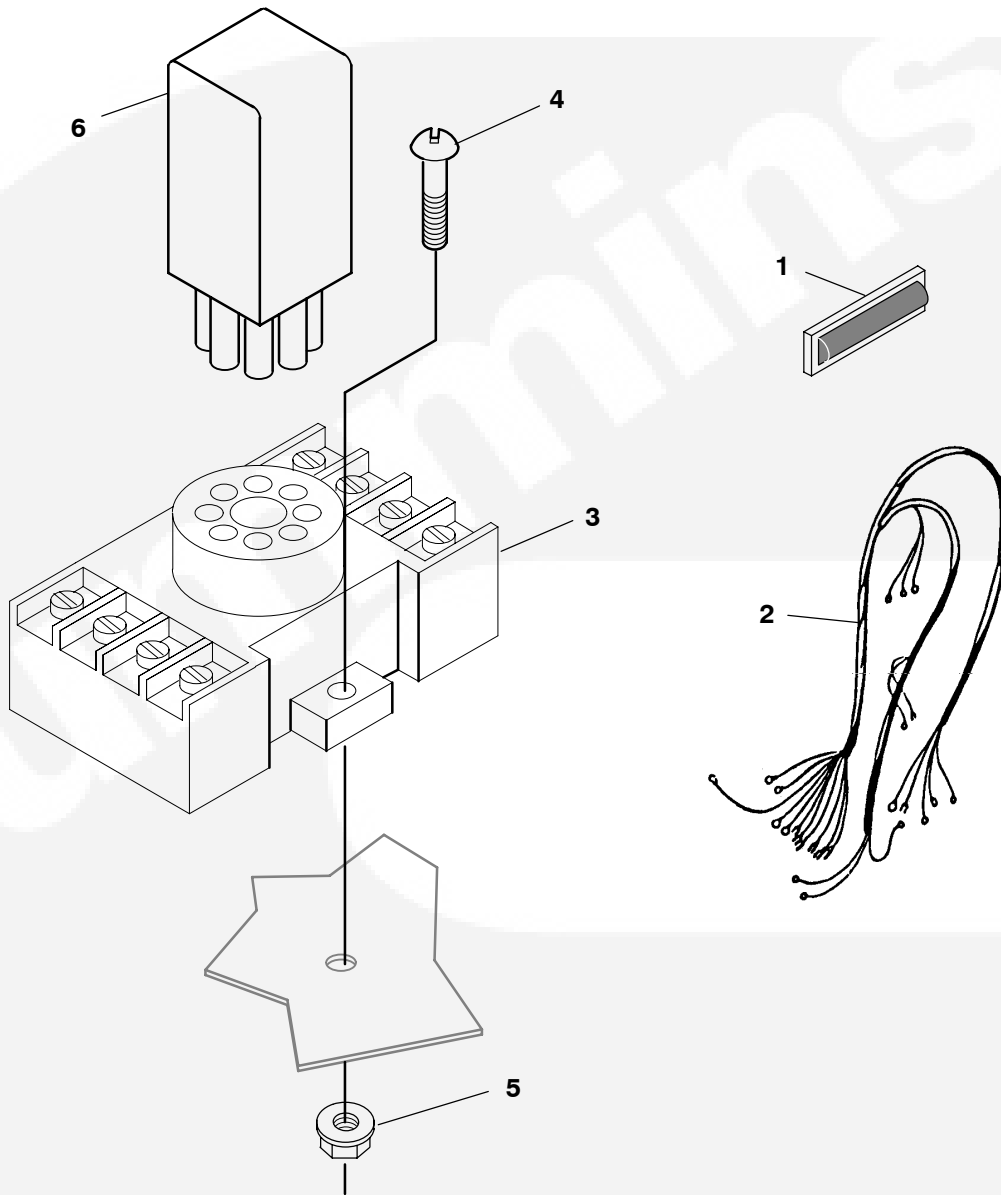
# **Ground Fault Relay** **DFGB Begin Spec K, DFGE Begin Spec C**



| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                                           | REF NO. | PART NO. | QTY USED | PART DESCRIPTION                             |
|---------|-------------|----------|----------------------------------------------------------------------------|---------|----------|----------|----------------------------------------------|
| 1       | 307-3003-01 | 1        | Relay, Ground Fault                                                        | 13      | 870-0212 | 2        | Nut, Self-Locking (1/4-20)                   |
| 2       | 301-6987    | 1        | Bracket, Watts Transducer                                                  | 14      | 338-4386 | 1        | Harness, Meter - Resistor                    |
| 3       | 821-0017    | 2        | Screw, Locking (5/16-18 x 1/2)                                             | 15      | 315-1622 | 1        | * Bracket, Transformer - Current             |
| 4       | 870-0257    | 2        | Nut, Self-Locking (5/16-18)                                                | 16      | 315-1621 | 1        | * Transformer, Current                       |
| 5       | 402-0354    | 4        | Mount, Shock                                                               | 17      | 526-0003 | 8        | * Washer, Flat (3/16)                        |
| 6       | 853-0005    | 8        | Washer, Lock - W/ET (#8)                                                   | 18      | 812-0094 | 2        | * Screw, Slotted - Round Head (#8-32 x 3.50) |
| 7       | 870-0221    | 8        | Nut, Hex - W/ET (#8-32)                                                    | 19      | 850-0025 | 4        | * Washer, Lock - Split (#8)                  |
| 8       | 338-4408    | 1        | Harness, Relay                                                             | 20      | 812-0082 | 2        | * Screw, Slotted - Round Head (#8-32 x .75)  |
| 9       | 332-2420    | 2        | Mount, Cable Tie                                                           | 21      | 860-0008 | 4        | * Nut, Hex (#8-32)                           |
| 10      | 319-5038-02 | 1        | Plate, Mounting - Relay                                                    |         |          |          |                                              |
| 11      | 315-1605-01 | 1        | Transformer, Current (Used With 4 Pole Separately Derived Transfer Switch) |         |          |          |                                              |
| 12      | 821-0010    | 2        | Screw, Locking (1/4-20 x 1/2)                                              |         |          |          |                                              |

\* Used With 3 Pole Non-Separately Derived Transfer Switch

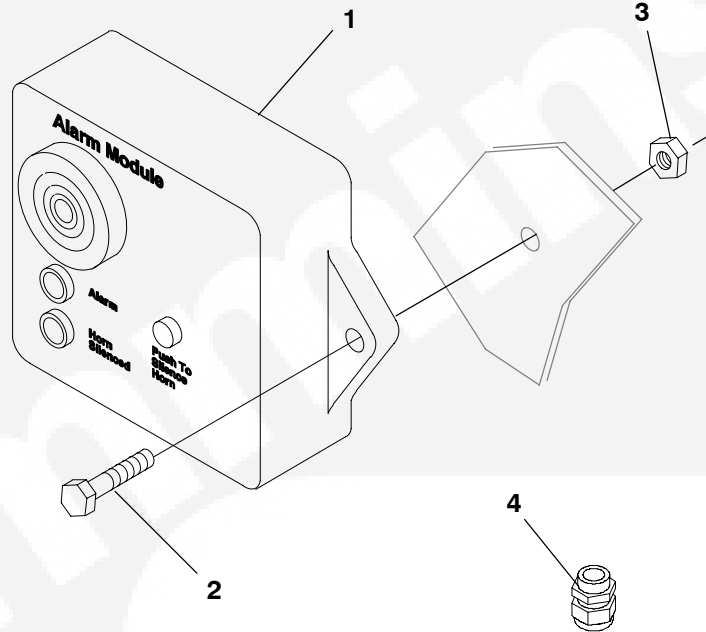
## Low Battery Voltage



| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                            |
|---------|-------------|----------|---------------------------------------------|
| 1       | 322-0431-08 | 1        | Lens, Indicator Light (Marked "Lo Battery") |
| 2       | 338-3034    | 1        | Harness, Wiring (4 Wire, 36") (K15 to A11)  |
| 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       | 870-0221 | 2        | Nut, Hex – W/ET (#8–32)                  |
| 6       | 305-0901 | 1        | Sensor – Low Battery Voltage (K15)       |

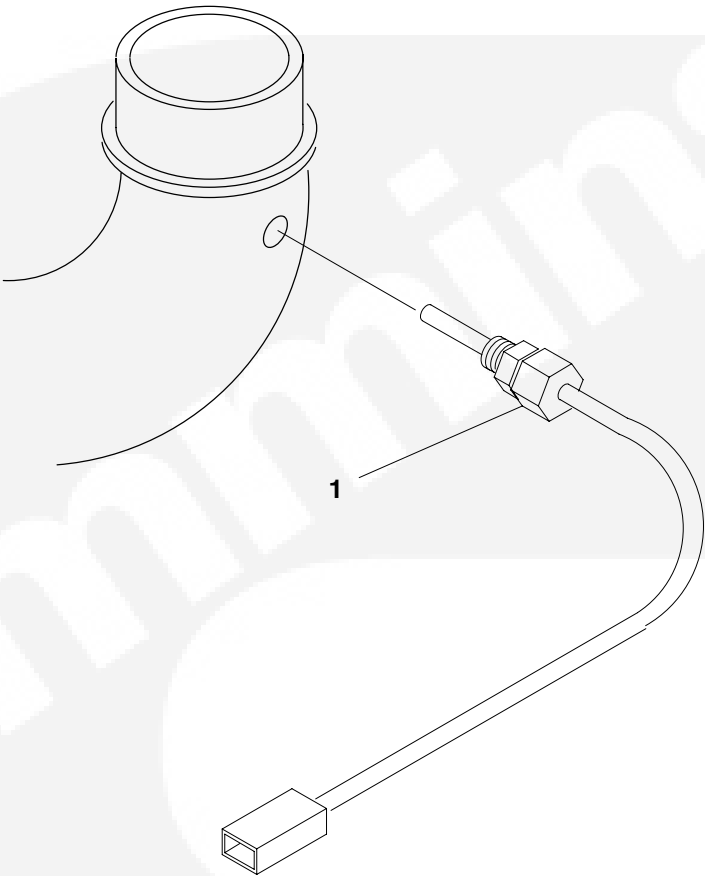
## Alarm Module



| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                   | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION  |
|---------|-------------|----------|------------------------------------|---------|-------------|----------|-------------------|
| 1       | 300-3998-01 | 1        | Module, Alarm (24V)                | 3       | 870-2054    | 2        | Nut, Hex (M6 x 1) |
| 2       | 821-2034    | 2        | Screw, Lock - Flange (M6 x 1 x 20) | 4       | 323-2003-01 | 1        | Strain Relief     |



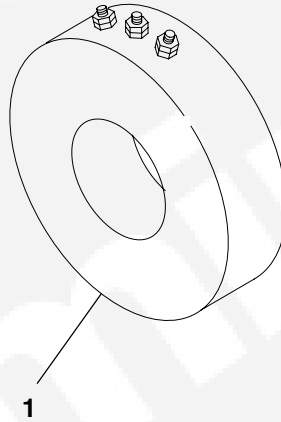
Pyrometer



| REF NO. | PART NO. | QTY USED | PART DESCRIPTION                   | REF NO. | PART NO. | QTY USED | PART DESCRIPTION |
|---------|----------|----------|------------------------------------|---------|----------|----------|------------------|
| 1       | 193-0446 | 2        | Lead, Thermocouple (22-1/2") (M26) |         |          |          |                  |



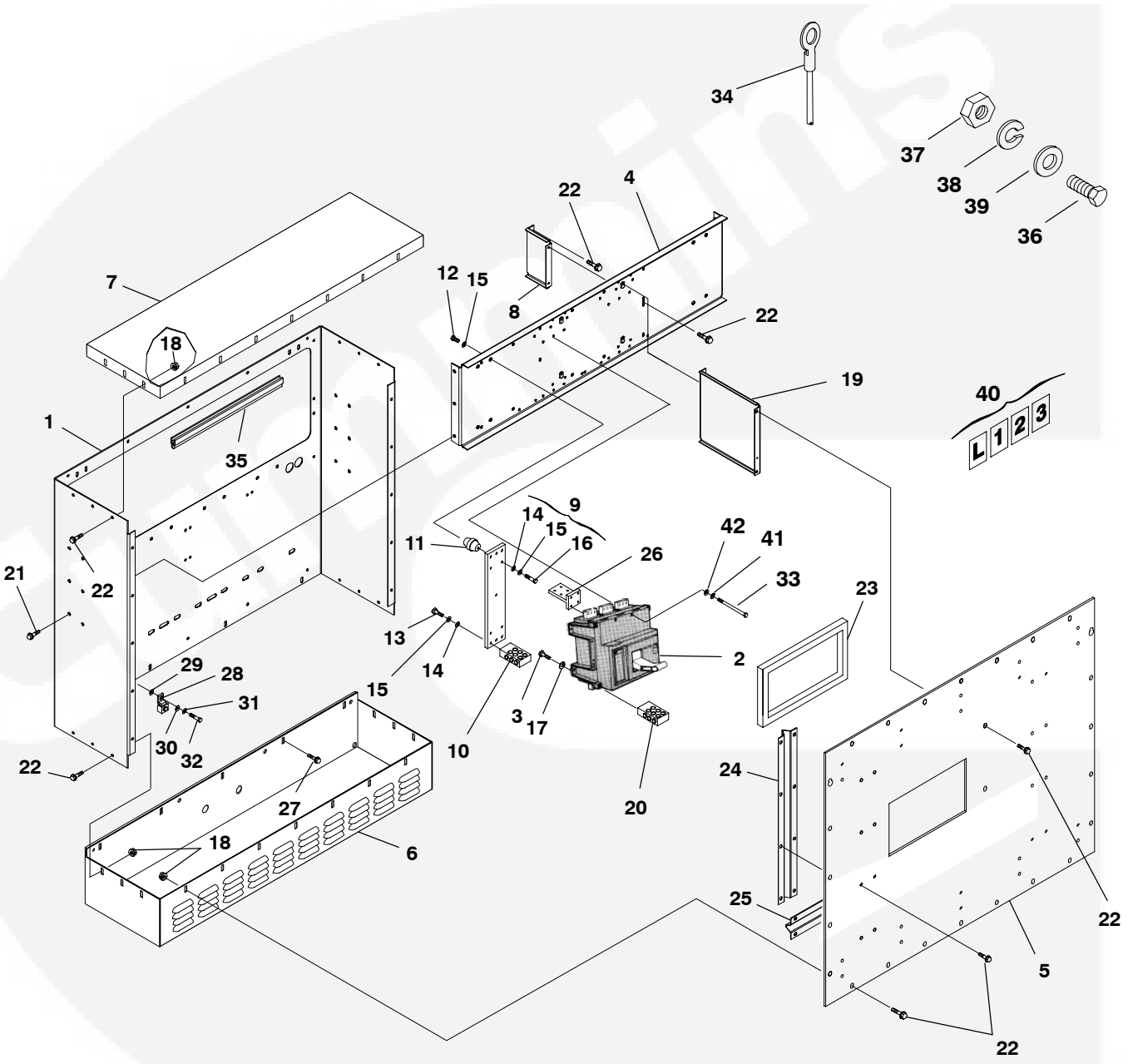
## Current Transformer



| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                           | REF NO. | PART NO. | QTY USED | PART DESCRIPTION |
|---------|-------------|----------|--------------------------------------------|---------|----------|----------|------------------|
| 1       |             |          | Transformer, Current<br>(CT21, CT22, CT23) |         |          |          |                  |
|         | 302-2057-36 | 3        | Ratio 2141/1 or 4282/1                     |         |          |          |                  |
|         | 302-2057-34 | 3        | Ratio 1893/1 or 3786/1                     |         |          |          |                  |



Circuit Breaker  
UL Listed

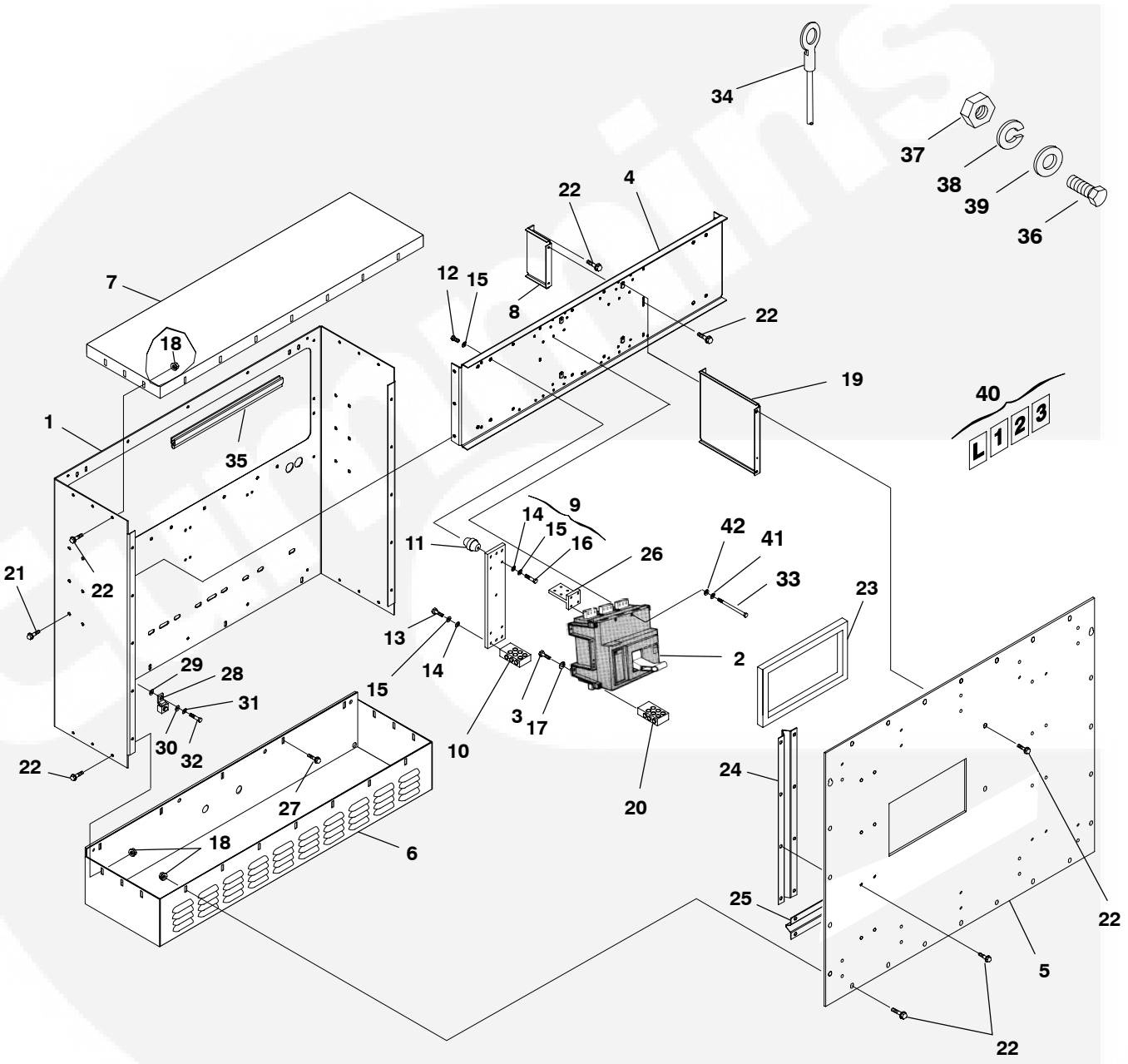




## Circuit Breaker UL Listed

| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                                                                                                                       | REF NO.                                                | PART NO.    | QTY USED | PART DESCRIPTION                                                               |
|---------|-------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-------------|----------|--------------------------------------------------------------------------------|
| 1       | 319-3184    | 1        | Box, Circuit Breaker                                                                                                                                   | 6                                                      | 319-1925    | 1        | Panel – Bottom                                                                 |
| 2       |             |          | Breaker, Circuit – 3 Pole, 100%<br>Rated (Includes Mounting<br>Screws) Frame Size<br>CM2000-HH Circuit Breakers<br>Include Bus Bars (T-bars)<br>(CB21) | 7                                                      | 319-1961    | 1        | Panel – Top                                                                    |
|         |             |          |                                                                                                                                                        | 8                                                      | 319-3253-02 | 1        | Brace, Mounting – Circuit<br>Breaker                                           |
|         |             |          | <b>Standard</b>                                                                                                                                        | 9                                                      | 300-4480-01 | 1        | Bar Assembly, Neutral<br>(Includes Neutral Bars,<br>Labels and Parts Marked *) |
|         | 320-1783-01 | 1        | Frame Size<br>CM1250-HH                                                                                                                                | 10                                                     | 332-3303-01 | 1        | * Lug, Solderless                                                              |
|         | 320-1783    | 1        | Frame Size<br>CM1600-HH                                                                                                                                | 11                                                     | 332-2744-07 | 4        | * Standoff, Insulator                                                          |
|         | 320-1783-02 | 1        | Frame Size<br>CM2000-HH                                                                                                                                | 12                                                     | 800-0048    | 4        | * Screw, Cap – Hex Head<br>(3/8-16 x 3/4")                                     |
|         | 320-1783-03 | 1        | Frame Size<br>CM2500-HH                                                                                                                                | 13                                                     | 800-2089    | 3        | * Screw, Cap – Hex Head (M10 x<br>40mm)                                        |
|         |             |          | <b>With 24 Volt Shunt<br/>Trip</b>                                                                                                                     | 14                                                     | 526-2120    | 7        | * Washer, Flat (M10)                                                           |
|         | 320-1783-05 | 1        | Frame Size<br>CM1250-HH                                                                                                                                | 15                                                     | 850-2010    | 11       | * Washer, Lock – Split (M10)                                                   |
|         | 320-1783-04 | 1        | Frame Size<br>CM1600-HH                                                                                                                                | 16                                                     | 800-0052    | 4        | * Screw, Cap – Hex Head<br>(3/8-16 x 1-1/2")                                   |
|         | 320-1783-06 | 1        | Frame Size<br>CM2000-HH                                                                                                                                | 17                                                     | 850-2010    | 9        | Washer, Lock – Split (M10)<br>CM1250-HH, CM1600-HH<br>Breakers                 |
|         | 320-1783-07 | 1        | Frame Size<br>CM2500-HH                                                                                                                                | 18                                                     | 870-0504    | 26       | Nut, Self-Retaining (M6)                                                       |
|         |             |          | <b>With Auxiliary<br/>Contacts and Bell<br/>Alarm</b>                                                                                                  | 19                                                     | 319-3252-02 | 1        | Brace, Cover                                                                   |
|         | 320-1783-18 | 1        | Frame Size<br>CM1250-HH                                                                                                                                | 20                                                     | 332-3303-01 | 3        | Lug, Solderless                                                                |
|         | 320-1783-17 | 1        | Frame Size<br>CM1600-HH                                                                                                                                | 21                                                     | 821-6003-02 | 6        | Screw, Self-Locking – Hex<br>Washer Head (M8 x 20mm)                           |
|         | 320-1783-19 | 1        | Frame Size<br>CM2000-HH                                                                                                                                | 22                                                     | 821-6002-03 | 85       | Screw, Self-Locking – Hex<br>Washer Head (M6 x 16mm)                           |
|         | 320-1783-20 | 1        | Frame Size<br>CM2500-HH                                                                                                                                | 23                                                     | 895-0182    | -        | Stripping, Weather – Bulk<br>(Order By The Foot – 4 Feet<br>Required)          |
|         |             |          | <b>With Auxiliary<br/>Contacts, Bell<br/>Alarm and 24 Volt<br/>Shunt Trip</b>                                                                          | 24                                                     | 319-3286    | 2        | Brace, Cover (Vertical)                                                        |
|         | 320-1783-09 | 1        | Frame Size<br>CM1250-HH                                                                                                                                | 25                                                     | 319-3288    | 2        | Brace, Cover (Horizontal)                                                      |
|         | 320-1783-08 | 1        | Frame Size<br>CM1600-HH                                                                                                                                | 26                                                     |             |          | Bar, Bus (T-Bar) (Includes<br>Mounting Hardware)                               |
|         | 320-1783-10 | 1        | Frame Size<br>CM2000-HH                                                                                                                                |                                                        | 337-2789    | 4        | Sets With CM1250-HH,<br>CM1600-HH Breakers                                     |
|         | 320-1783-11 | 1        | Frame Size<br>CM2500-HH                                                                                                                                |                                                        | 337-2789    | 1        | Sets With CM2000-HH,<br>CM2500-HH Breakers                                     |
|         |             |          |                                                                                                                                                        | 27                                                     | 821-2035    | 5        | Screw, Self-Locking – Hex<br>Washer Head (M6 x 25mm)                           |
|         |             |          |                                                                                                                                                        | 28                                                     | 332-2001    | 1        | Lug, Solderless                                                                |
|         |             |          |                                                                                                                                                        | 29                                                     | 856-0010    | 1        | Washer, Lock – EIT (3/8")                                                      |
|         |             |          |                                                                                                                                                        | 30                                                     | 526-2120    | 1        | Washer, Flat (M10)                                                             |
|         |             |          |                                                                                                                                                        | 31                                                     | 850-2010    | 1        | Washer, Lock – Split (M10)                                                     |
|         |             |          |                                                                                                                                                        | 32                                                     | 800-2086    | 1        | Screw, Cap – Hex Head (M10 x<br>25mm)                                          |
| 3       | 800-2089    | 9        | Screw, Cap – Hex Head (M10 x<br>40mm) CM1250-HH,<br>CM1600-HH Breakers                                                                                 | * – Parts Included In 300-4480-01 Neutral Bar Assembly |             |          |                                                                                |
| 4       | 319-3153    | 1        | Bracket, Mounting                                                                                                                                      | <b>Continued...</b>                                    |             |          |                                                                                |
| 5       | 319-3266-01 | 1        | Cover, Circuit Breaker                                                                                                                                 |                                                        |             |          |                                                                                |

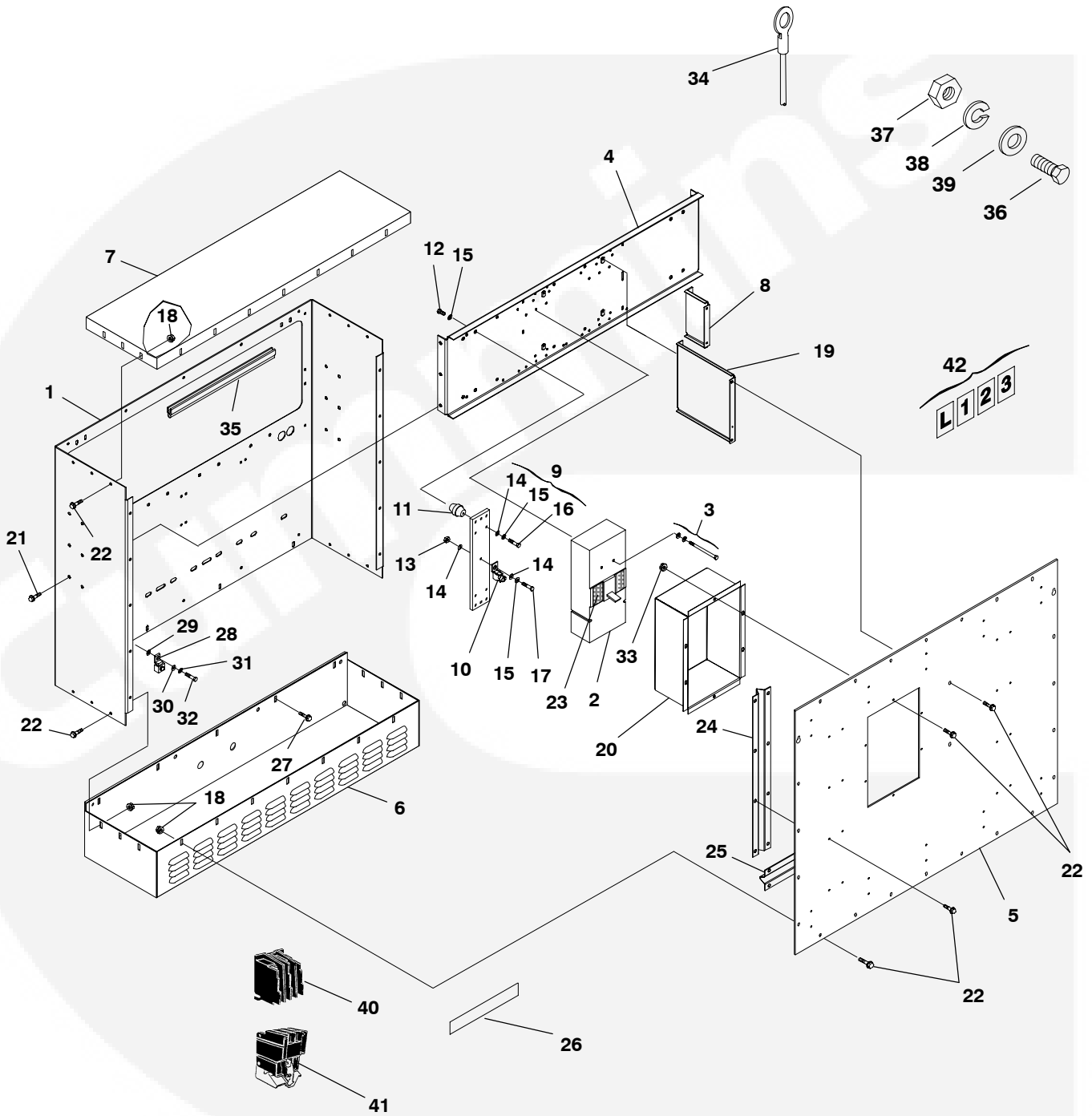
Circuit Breaker  
UL Listed



## Circuit Breaker UL Listed

| REF<br>NO.          | PART<br>NO. | QTY<br>USED | PART<br>DESCRIPTION                                                                                          | REF<br>NO.                                             | PART<br>NO. | QTY<br>USED | PART<br>DESCRIPTION                                                |
|---------------------|-------------|-------------|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-------------|-------------|--------------------------------------------------------------------|
| <b>Continued...</b> |             |             |                                                                                                              |                                                        |             |             |                                                                    |
| 33                  | 800-2063    | 4           | Screw, Cap – Hex Head (M8 x 50mm)                                                                            | 37                                                     | 860-2010    | 24          | Nut, Hex (M12)                                                     |
| 34                  |             |             | Lead – Circuit Breaker (Quantity Used As Required)                                                           | 38                                                     | 850-2012    | 24          | Washer, Lock – Split (M12)                                         |
|                     | 226-4498-03 | 1           | 30"                                                                                                          | 39                                                     | 526-2140    | 48          | Washer, Flat (M12)                                                 |
|                     | 226-4404-04 | 1           | 6"                                                                                                           | 40                                                     |             |             | Label, Marker (10 Characters Per Card) (Quantity Used As Required) |
| 35                  | 508-1109    | –           | Edging – Bulk (Order By The Foot – 3 Feet Required)                                                          |                                                        | 098-5854-06 | 3           | Marked "L"                                                         |
|                     |             |             | <b>The following four hardware items are used to fasten the load leads to the generator and neutral bar.</b> |                                                        | 098-5854-07 | 1           | Marked "1"                                                         |
|                     |             |             |                                                                                                              |                                                        | 098-5854-08 | 1           | Marked "2"                                                         |
|                     |             |             |                                                                                                              |                                                        | 098-5854-09 | 1           | Marked "3"                                                         |
|                     |             |             |                                                                                                              | 41                                                     | 850-2008    | 4           | Washer, Lock – Split (M8)                                          |
|                     |             |             |                                                                                                              | 42                                                     | 526-2100    | 4           | Washer, Flat (M8)                                                  |
| 36                  | 800-2116    | 24          | Screw, Cap – Hex Head (M12 x 50mm)                                                                           | * – Parts Included In 300-4480-01 Neutral Bar Assembly |             |             |                                                                    |

# **Circuit Breaker and Disconnect Switch** **UL Listed, IEC Conformity**

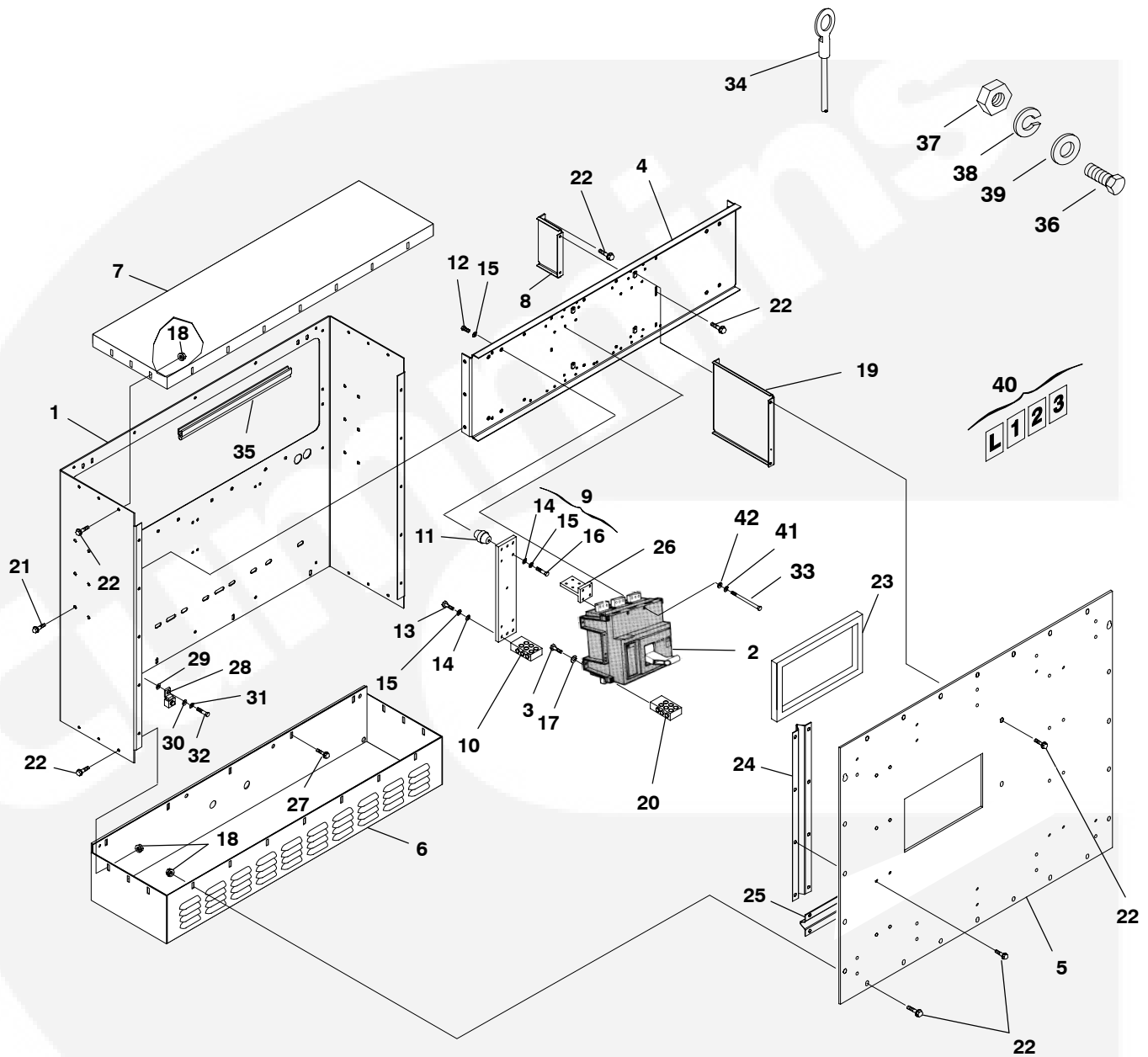


# Circuit Breaker and Disconnect Switch UL Listed, IEC Conformity

| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                                                                                                   | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                                                                                                       |
|---------|-------------|----------|------------------------------------------------------------------------------------------------------------------------------------|---------|-------------|----------|----------------------------------------------------------------------------------------------------------------------------------------|
| 1       | 319-3184    | 1        | Box, Circuit Breaker                                                                                                               | 25      | 319-3288    | 2        | Brace, Cover (Horizontal)                                                                                                              |
| 2       |             |          | The following listed Circuit Breakers and Disconnect Switches include lugs and mounting hardware.                                  | 26      | 091-0002    | 1        | Strip, Copper (Used for wrapping end of leads before securing to circuit breakers and disconnect switches) (Quantity Used As Required) |
|         |             |          | <b>Circuit Breakers</b>                                                                                                            | 27      | 821-2034    | 5        | Screw, Self-Locking – Hex Washer Head (M6 x 20mm)                                                                                      |
|         | 320-1964-02 | 1        | 3 Pole (UL, IEC)                                                                                                                   | 28      | 332-2001    | 1        | Lug, Solderless                                                                                                                        |
|         | 320-1964-01 | 1        | 1000 Amp                                                                                                                           | 29      | 856-0010    | 1        | Washer, Lock – EIT (3/8")                                                                                                              |
|         |             |          | 1200 Amp                                                                                                                           | 30      | 526-2120    | 1        | Washer, Flat (M10)                                                                                                                     |
|         | 320-1964-06 | 1        | 4 Pole (IEC)                                                                                                                       | 31      | 850-2010    | 1        | Washer, Lock – Spring (M10)                                                                                                            |
|         |             |          | 1250 Amp                                                                                                                           | 32      | 800-2086    | 1        | Screw, Cap – Hex Head (M10 x 25mm)                                                                                                     |
|         |             |          | <b>Disconnect Switches</b>                                                                                                         | 33      | 870-2054    | 6        | Nut, Hex – Flange (M6)                                                                                                                 |
|         | 320-1992-01 | 1        | 3 Pole (UL, IEC)                                                                                                                   | 34      |             |          | Lead (Quantity Used As Required)                                                                                                       |
|         |             |          | 1200 Amp                                                                                                                           | 35      | 508-1109    | –        | Edging – Bulk (Order By The Foot – 3 Feet Required)                                                                                    |
| 3       |             |          | Package, Hardware – Mounting (Includes Screws, Nuts and Lock Washers – 1 Package Required Per Switch)                              |         |             |          | <b>The following four hardware items are used to fasten the load leads to the generator and neutral bar.</b>                           |
|         | 320-1986-01 | 1        | Used With 320-1964-XX Circuit Breakers and 320-1992-01 Disconnect Switches                                                         |         |             |          | Screw, Cap – Hex Head (M12 x 40mm)                                                                                                     |
| 4       | 319-3153    | 1        | Bracket, Mounting                                                                                                                  |         |             |          | 3 Pole                                                                                                                                 |
| 5       | 319-3300    | 1        | Cover                                                                                                                              | 36      |             |          | 4 Pole                                                                                                                                 |
| 6       | 319-1925    | 1        | Panel – Bottom                                                                                                                     |         | 800-2114    | 10       | Nut, Hex (M12)                                                                                                                         |
| 7       | 319-1961    | 1        | Panel – Top                                                                                                                        |         | 800-2114    | 8        | 3 Pole                                                                                                                                 |
| 8       | 319-3253-01 | 1        | Brace, Cover                                                                                                                       | 37      |             |          | 4 Pole                                                                                                                                 |
| 9       | 300-4318-01 | 1        | Bar Assembly, Neutral – Used on 3 Pole Circuit Breakers and Disconnect Switches (Includes Neutral Bars, Labels and Parts Marked *) |         | 860-2010    | 10       | Washer, Lock – Split (M12)                                                                                                             |
|         |             |          |                                                                                                                                    |         | 860-2010    | 8        | 3 Pole                                                                                                                                 |
| 10      | 332-2001    | 3        | * Lug, Solderless                                                                                                                  |         | 850-2012    | 10       | 4 Pole                                                                                                                                 |
| 11      | 332-2744-07 | 2        | * Standoff, Insulator                                                                                                              |         | 850-2012    | 8        | Washer, Flat (M12)                                                                                                                     |
| 12      | 800-0048    | 2        | * Screw, Cap – Hex Head (3/8-16 x 3/4")                                                                                            | 39      |             |          | 3 Pole                                                                                                                                 |
|         |             |          |                                                                                                                                    |         | 526-2140    | 20       | 4 Pole                                                                                                                                 |
| 13      | 862-0003    | 3        | * Nut, Hex (3/8")                                                                                                                  |         | 526-2140    | 16       | <b>Accessories, Circuit Breaker:</b>                                                                                                   |
| 14      | 526-0029    | 8        | * Washer, Flat (3/8")                                                                                                              |         |             |          | <b>The following are used on 320-1964-XX Circuit Breakers</b>                                                                          |
| 15      | 850-0050    | 7        | * Washer, Lock – Spring (3/8")                                                                                                     |         |             |          | Switches – Includes 1 Trip Alarm and 1 Auxiliary Contact                                                                               |
| 16      | 800-0051    | 2        | * Screw, Cap – Hex Head (3/8-16 x 1-1/4")                                                                                          | 40      | 320-1977-01 | 1        | 24 Volt Shunt Trip                                                                                                                     |
| 17      | 800-0052    | 3        | * Screw, Cap – Hex Head (3/8-16 x 1-1/2")                                                                                          |         |             |          | Label, Marker (10 Characters Per Card)                                                                                                 |
| 18      | 870-0504    | 30       | Nut, Self-Retaining (M6)                                                                                                           | 41      | 320-1977-03 | 1        | Marked "L"                                                                                                                             |
| 19      | 319-3252-01 | 1        | Brace, Cover                                                                                                                       | 42      |             |          | Marked "1"                                                                                                                             |
| 20      | 319-2431-28 | 1        | Cup                                                                                                                                |         | 098-5854-06 | 3        | Marked "2"                                                                                                                             |
| 21      | 821-6003-02 | 6        | Screw, Self-Locking – Hex Washer Head (M8 x 20mm)                                                                                  |         | 098-5854-07 | 1        | Marked "3"                                                                                                                             |
| 22      | 821-6002-03 | 91       | Screw, Self-Locking – Hex Washer Head (M6 x 16mm)                                                                                  |         | 098-5854-08 | 1        |                                                                                                                                        |
| 23      | 895-0182    | –        | Stripping, Weather – Bulk (Order By The Foot – 1 Foot Required)                                                                    |         | 098-5854-09 | 1        |                                                                                                                                        |
| 24      | 319-3286    | 2        | Brace, Cover (Vertical)                                                                                                            |         |             |          |                                                                                                                                        |

\* – Parts Included In 300-4318-01 Neutral Bar Assembly

# Disconnect Switch Molded Case UL Listed

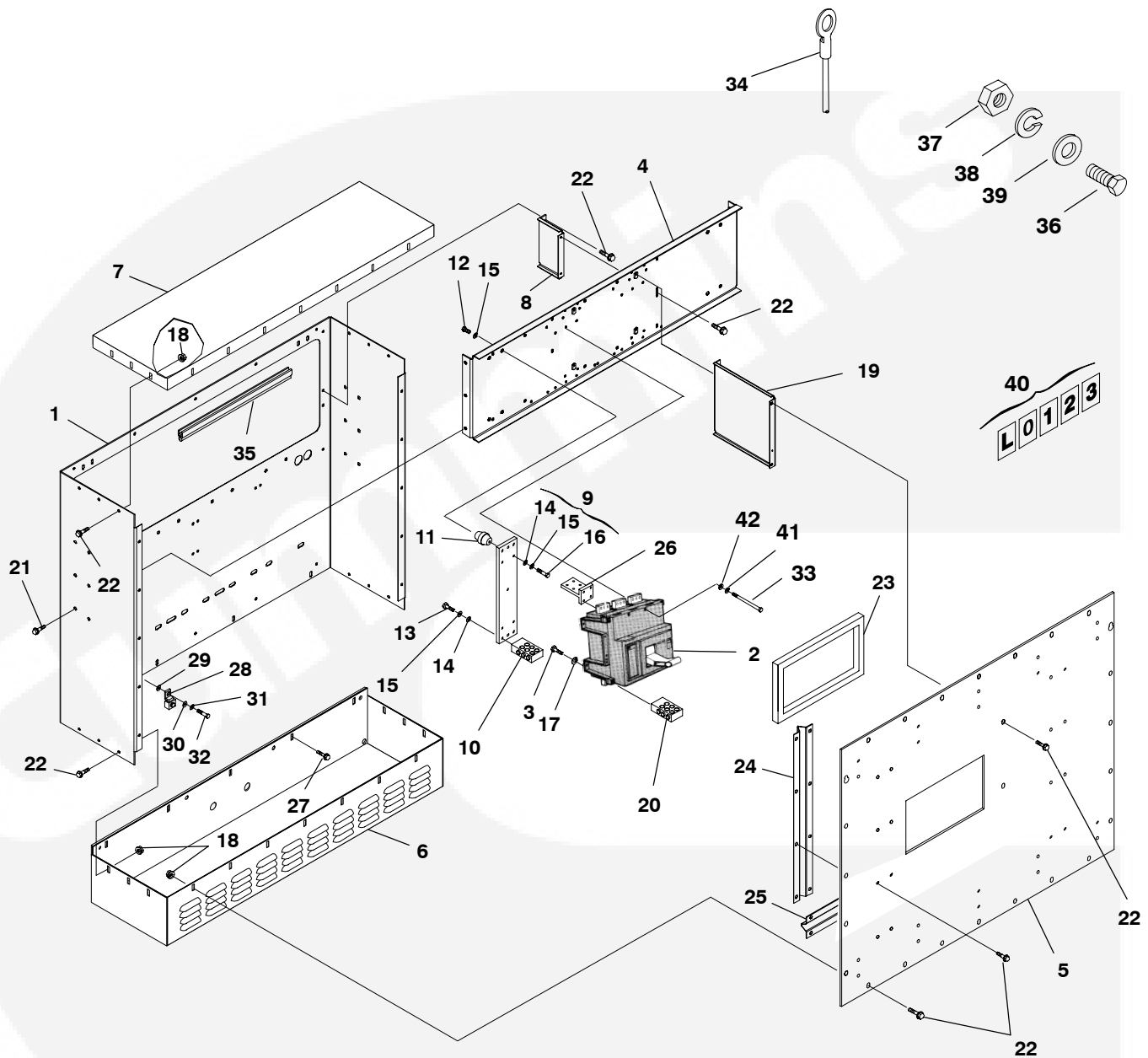


**Disconnect Switch  
Molded Case  
UL Listed**

| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                                         | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                                                                             |
|---------|-------------|----------|--------------------------------------------------------------------------|---------|-------------|----------|--------------------------------------------------------------------------------------------------------------|
| 1       | 319-3184    | 1        | Box, Disconnect Switch                                                   | 26      | 337-2789    | 4        | Bar, Bus (T-Bar) (Includes Mounting Hardware)                                                                |
| 2       | 320-1907-01 | 1        | Switch, Disconnect – 3 Pole (Includes Mounting Screws) (CB21)            | 27      | 821-2035    | 5        | Screw, Self-Locking – Hex Washer Head (M6 x 25mm)                                                            |
| 3       | 800-2089    | 9        | Screw, Cap – Hex Head (M10 x 40mm)                                       | 28      | 332-2001    | 1        | Lug, Solderless                                                                                              |
| 4       | 319-3153    | 1        | Bracket, Mounting                                                        | 29      | 856-0010    | 1        | Washer, Lock – EIT (3/8")                                                                                    |
| 5       | 319-3266-01 | 1        | Cover, Disconnect Switch                                                 | 30      | 526-2120    | 1        | Washer, Flat (M10)                                                                                           |
| 6       | 319-1925    | 1        | Panel – Bottom                                                           | 31      | 850-2010    | 10       | Washer, Lock – Spring (M10)                                                                                  |
| 7       | 319-1961    | 1        | Panel – Top                                                              | 32      | 800-2086    | 1        | Screw, Cap – Hex Head (M10 x 25mm)                                                                           |
| 8       | 319-3253-02 | 1        | Brace, Mounting – Disconnect Switch                                      | 33      | 800-2063    | 4        | Screw, Cap – Hex Head (M8 x 50mm)                                                                            |
| 9       | 300-4480-01 | 1        | Bar Assembly, Neutral (Includes Neutral Bars, Labels and Parts Marked *) | 34      | 226-4498-03 | 32       | Lead – Disconnect Switch – 30" (Without Markings) (#1/0 Wire)                                                |
| 10      | 332-3303-01 | 1        | * Lug, Solderless                                                        | 35      | 508-1109    | –        | Edging – Bulk (Order By The Foot – 3 Feet Required)                                                          |
| 11      | 332-2744-07 | 4        | * Standoff, Insulator                                                    |         |             |          | <b>The following four hardware items are used to fasten the load leads to the generator and neutral bar.</b> |
| 12      | 800-0048    | 4        | * Screw, Cap – Hex Head (3/8-16 x 3/4")                                  |         |             |          |                                                                                                              |
| 13      | 800-2089    | 3        | * Screw, Cap – Hex Head (M10 x 40mm)                                     |         |             |          |                                                                                                              |
| 14      | 526-2120    | 7        | * Washer, Flat (M10)                                                     | 36      | 800-2116    | 24       | Screw, Cap – Hex Head (M12 x 50mm)                                                                           |
| 15      | 850-2010    | 11       | * Washer, Lock – Spring (M10)                                            | 37      | 860-2010    | 24       | Nut, Hex (M12)                                                                                               |
| 16      | 800-0052    | 4        | * Screw, Cap – Hex Head (3/8-16 x 1-1/2")                                | 38      | 850-2012    | 24       | Washer, Lock – Spring (M12)                                                                                  |
| 17      | 850-2010    | 9        | Washer, Lock – Spring (M10)                                              | 39      | 526-2140    | 48       | Washer, Flat (M12)                                                                                           |
| 18      | 870-0504    | 26       | Nut, Self-Retaining (M6)                                                 | 40      |             |          | Label, Marker (10 Characters Per Card) (Quantity Used As Required)                                           |
| 19      | 319-3252-02 | 1        | Brace, Cover                                                             |         |             |          |                                                                                                              |
| 20      | 332-3303-01 | 3        | Lug, Solderless                                                          |         | 098-5854-06 | 3        | Marked "L"                                                                                                   |
| 21      | 821-6003-02 | 6        | Screw, Self-Locking – Hex Washer Head (M8 x 20mm)                        |         | 098-5854-07 | 1        | Marked "1"                                                                                                   |
| 22      | 821-6002-03 | 89       | Screw, Self-Locking – Hex Washer Head (M6 x 16mm)                        |         | 098-5854-08 | 1        | Marked "2"                                                                                                   |
| 23      | 895-0182    | –        | Stripping, Weather – Bulk (Order By The Foot – 4 Feet Required)          |         | 098-5854-09 | 1        | Marked "3"                                                                                                   |
| 24      | 319-3286    | 2        | Brace, Cover (Vertical)                                                  | 41      | 850-2008    | 4        | Washer, Lock – Spring (M8)                                                                                   |
| 25      | 319-3288    | 2        | Brace, Cover (Horizontal)                                                | 42      | 526-2100    | 4        | Washer, Flat (M8)                                                                                            |

\* – Parts Included In 300-4480-01 Neutral Bar Assembly

# Circuit Breaker IEC Conformity



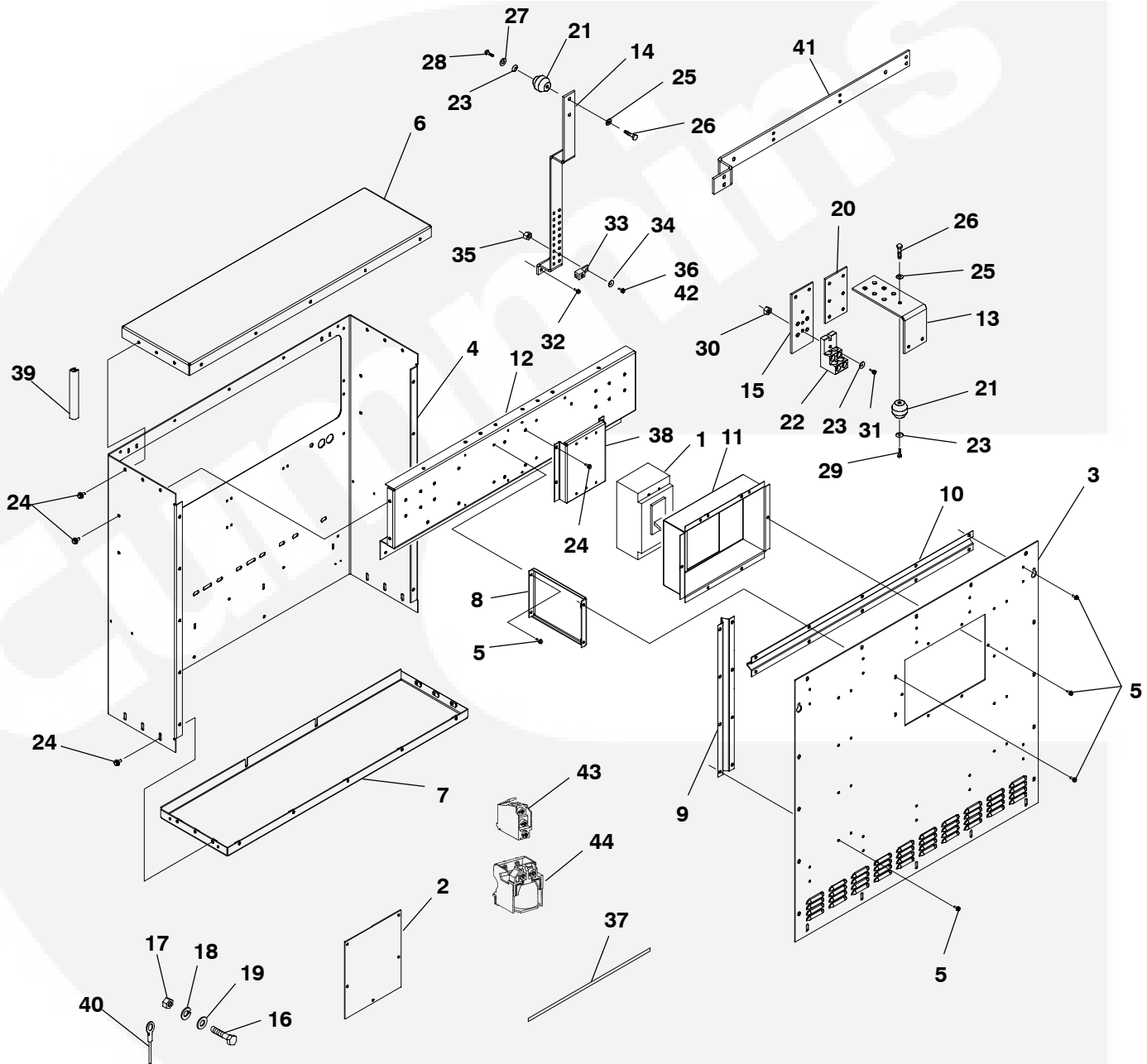


## Circuit Breaker IEC Conformity

| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                                                                             | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                                                             |
|---------|-------------|----------|--------------------------------------------------------------------------------------------------------------|---------|-------------|----------|----------------------------------------------------------------------------------------------|
| 1       | 319-3184    | 1        | Box, Circuit Breaker                                                                                         | 23      | 895-0182    | -        | Stripping, Weather – Bulk                                                                    |
| 2       |             |          | Breaker, Circuit (Includes Mounting Screws) (CB21)                                                           |         |             |          | (Order By The Foot – 4 Feet Required)                                                        |
|         |             |          | <b>Three Pole Breakers</b>                                                                                   | 24      | 319-3286    | 2        | Brace, Cover (Vertical)                                                                      |
|         |             |          | <b>Standard</b>                                                                                              | 25      | 319-3288    | 2        | Brace, Cover (Horizontal)                                                                    |
|         | 320-1699    | 1        | Frame Size CM1600                                                                                            | 26      | 337-2789    | 4        | Bar, Bus (T-Bar) (Includes Mounting Hardware)                                                |
|         |             |          | <b>With 24 Volt Shunt Trip</b>                                                                               | 27      | 821-2035    | 5        | Screw, Self-Locking – Hex Washer Head (M6 x 25mm)                                            |
|         | 320-1699-04 | 1        | Frame Size CM1600                                                                                            | 28      | 332-2001    | 1        | Lug, Solderless                                                                              |
|         |             |          | <b>With Auxiliary Contacts, Bell Alarm and 24 Volt Shunt Trip</b>                                            | 29      | 856-0010    | 1        | Washer, Lock – EIT (3/8")                                                                    |
|         | 320-1699-08 | 1        | Frame Size CM1600                                                                                            | 30      | 526-2120    | 1        | Washer, Flat (M10)                                                                           |
| 3       | 800-2089    | 9        | Screw, Cap – Hex Head (M10 x 40mm)                                                                           | 31      | 850-2010    | 1        | Washer, Lock – Spring (M10)                                                                  |
| 4       | 319-3153    | 1        | Bracket, Mounting                                                                                            | 32      | 800-2086    | 1        | Screw, Cap – Hex Head (M10 x 25mm)                                                           |
| 5       | 319-3266-01 | 1        | Cover, Circuit Breaker                                                                                       | 33      | 800-2063    | 4        | Screw, Cap – Hex Head (M8 x 50mm)                                                            |
| 6       | 319-1925    | 1        | Panel – Bottom                                                                                               | 34      | 226-4498-03 | 32       | Lead – Circuit Breaker – 30" (Without Markings) (#1/0 Wire)                                  |
| 7       | 319-1961    | 1        | Panel – Top                                                                                                  |         |             |          | Edging – Bulk (Order By The Foot – 3 Feet Required)                                          |
| 8       | 319-3253-02 | 1        | Brace, Mounting – Circuit Breaker                                                                            |         |             |          | <b>The following four hardware items are used to fasten the load leads to the generator.</b> |
| 9       | 300-4480-01 | 1        | Bar Assembly, Neutral (Includes Neutral Bars, Labels and Parts Marked *) (Used With 3 Pole Circuit Breakers) | 35      | 508-1109    | -        | Screw, Cap – Hex Head (M12 x 50mm)                                                           |
| 10      | 332-3303-01 | 1        | * Lug, Solderless                                                                                            | 36      | 800-2116    | 24       | Nut, Hex (M12)                                                                               |
| 11      | 332-2744-07 | 4        | * Standoff, Insulator                                                                                        | 37      | 860-2010    | 24       | Washer, Lock – Spring (M12)                                                                  |
| 12      | 800-0048    | 4        | * Screw, Cap – Hex Head (3/8-16 x 3/4")                                                                      | 38      | 850-2012    | 24       | Washer, Flat (M12)                                                                           |
| 13      | 800-2089    | 3        | * Screw, Cap – Hex Head (M10 x 40mm)                                                                         | 39      | 526-2140    | 48       | Label, Marker (10 Characters Per Card)                                                       |
| 14      | 526-2120    | 7        | * Washer, Flat (M10)                                                                                         | 40      |             |          | Marked "L"                                                                                   |
| 15      | 850-2010    | 11       | * Washer, Lock – Spring (M10)                                                                                |         | 098-5854-06 | 3        | Marked "1"                                                                                   |
| 16      | 800-0052    | 4        | * Screw, Cap – Hex Head (3/8-16 x 1-1/2")                                                                    |         | 098-5854-07 | 1        | Marked "2"                                                                                   |
| 17      | 850-2010    | 9        | Washer, Lock – Spring (M10)                                                                                  |         | 098-5854-08 | 1        | Marked "3"                                                                                   |
| 18      | 870-0504    | 26       | Nut, Self-Retaining (M6)                                                                                     | 41      | 850-2008    | 4        | Washer, Lock – Spring (M8)                                                                   |
| 19      | 319-3252-02 | 1        | Brace, Cover                                                                                                 | 42      | 526-2100    | 4        | Washer, Flat (M8)                                                                            |
| 20      | 332-3303-01 | 3        | Lug, Solderless                                                                                              |         |             |          |                                                                                              |
| 21      | 821-6003-02 | 6        | Screw, Self-Locking – Hex Washer Head (M8 x 20mm)                                                            |         |             |          |                                                                                              |
| 22      | 821-6002-03 | 89       | Screw, Self-Locking – Hex Washer Head (M6 x 16mm)                                                            |         |             |          |                                                                                              |

\* – Parts Included In 300-4480-01 Neutral Bar Assembly

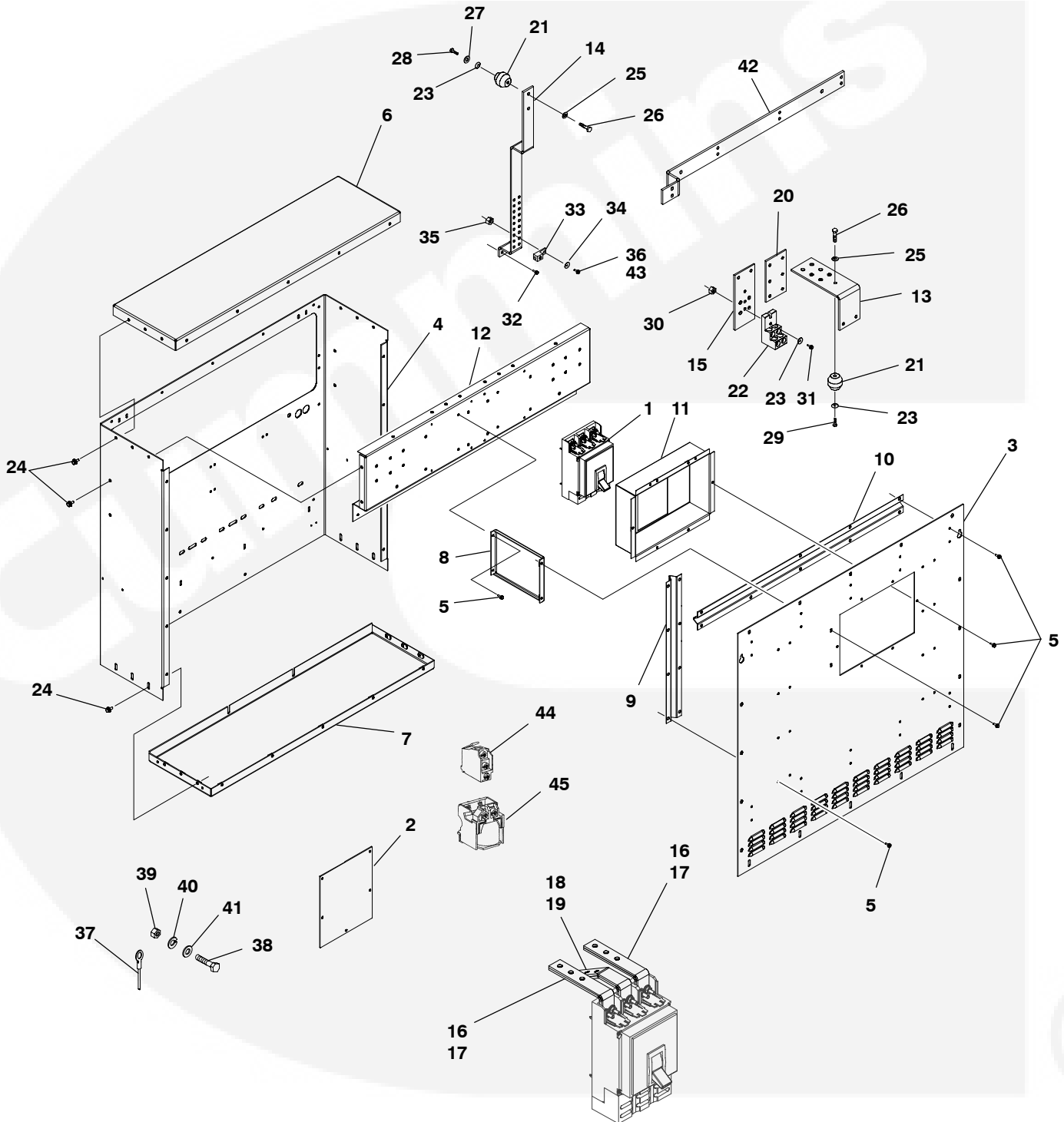
**Circuit Breaker  
NSJ 600 Amp  
DFGB Begin Spec K, DFGE Begin Spec C**



**Circuit Breaker**  
**NSJ 600 Amp**  
**DFGB Begin Spec K, DFGE Begin Spec C**

| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                                                | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                                                                                                                   |
|---------|-------------|----------|---------------------------------------------------------------------------------|---------|-------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| 1       | 320-1960-01 | 1        | Breaker, Circuit – 600 Amp<br>3 Pole (UL & IEC) (Includes<br>Mounting Hardware) | 29      | 800-0049    | 2        | Screw, Cap – Hex Head<br>(3/8-16 x .88)                                                                                                            |
| 2       | 405-7709-02 | 1        | Cover, Access                                                                   | 30      | 862-0003    | 2        | Nut, Hex (3/8)                                                                                                                                     |
| 3       |             |          | Cover, Circuit Breaker                                                          | 31      | 800-0053    | 2        | Screw, Cap – Hex Head<br>(3/8-16 x 1.75)                                                                                                           |
|         | 319-5098-03 | 1        | Left Side Installation                                                          | 32      | 815-0261    | 2        | Screw, Hex Washer Head –<br>Thread Forming (1/4-20 x<br>.50)                                                                                       |
|         | 319-5098-04 | 1        | Right Side Installation                                                         |         |             |          |                                                                                                                                                    |
| 4       | 319-5062-02 | 1        | Box, Circuit Breaker                                                            | 33      | 332-3039    | 3        | Lug, Solderless                                                                                                                                    |
| 5       | 821-6002-04 | 69       | Screw, Hex Head (M6 x 1 x 20)                                                   | 34      | 851-0048-01 | 3        | Washer, Belleville (5/16)                                                                                                                          |
| 6       | 319-5087-02 | 1        | Cover, Circuit Breaker                                                          | 35      | 862-0015    | 3        | Nut, Hex (5/16)                                                                                                                                    |
| 7       | 319-5088-02 | 1        | Cover, Circuit Breaker                                                          | 36      | 800-0028    | 1        | Screw, Cap – Hex Head<br>(5/16-18 x 1")                                                                                                            |
| 8       | 319-5102-04 | 1        | Stiffener, Cover                                                                | 37      | 091-0002    | 1        | Strip, Copper (Used for<br>wrapping end of leads before<br>securing to circuit breakers<br>and disconnect switches)<br>(Quantity Used As Required) |
| 9       | 319-3288    | 2        | Brace, Access Door                                                              |         |             |          |                                                                                                                                                    |
| 10      | 319-3286    | 2        | Brace, Access Door                                                              | 38      | 319-5128-02 | 1        | Bracket, Circuit Breaker                                                                                                                           |
| 11      | 319-5078-06 | 1        | Cup, Switch                                                                     | 39      | 508-1109    | -        | Edging – Bulk (Order by the<br>Foot – 3 Feet Required)                                                                                             |
| 12      | 319-5123-02 | 1        | Bracket, Circuit Breaker                                                        | 40      |             |          | Lead (Quantity Used As<br>Required)                                                                                                                |
| 13      | 337-3623    | 1        | Bus, Bar – Neutral                                                              |         | 226-4894-01 | 1        | 34"                                                                                                                                                |
| 14      | 337-3632    | 1        | Bus, Bar – Ground                                                               |         | 226-4894-02 | 1        | 18"                                                                                                                                                |
| 15      | 337-3631    | 1        | Bus, Bar – Neutral                                                              |         | 226-4894-03 | 1        | 36"                                                                                                                                                |
| 16      | 800-2114    | 5        | Screw, Cap – Hex Head (M12 x<br>1.75 x 40)                                      |         | 226-4894-04 | 1        | 20"                                                                                                                                                |
| 17      | 860-2010    | 5        | Nut, Hex (M12)                                                                  | 41      | 337-3736    | 1        | Bus, Bar – Ground                                                                                                                                  |
| 18      | 850-2012    | 5        | Washer, Lock – Split (M12)                                                      | 42      | 800-0030    | 2        | Screw, Cap – Hex Head<br>(5/16-18 x 1-1/4)                                                                                                         |
| 19      | 526-2140    | 10       | Washer, Flat (M12)                                                              |         |             |          | <b>Accessories, Circuit Breaker:</b>                                                                                                               |
| 20      | 337-3625    | 1        | Bus, Bar – Jumper                                                               | 43      | 320-1981-01 | 2        | Switch – Used as a Trip                                                                                                                            |
| 21      | 332-2512    | 8        | Standoff, Insulator                                                             | 44      | 320-1981-03 | 1        | Alarm or Auxiliary Contact                                                                                                                         |
| 22      | 332-1557    | 1        | Lug                                                                             |         |             |          | 24 Volt Shunt Trip                                                                                                                                 |
| 23      | 851-0048-02 | 10       | Washer, Belleville (3/8)                                                        |         |             |          |                                                                                                                                                    |
| 24      | 821-6003-01 | 42       | Screw, Hex Head (M8 x 1.25 x<br>16)                                             |         |             |          |                                                                                                                                                    |
| 25      | 850-0050    | 8        | Washer, Lock – Split (3/8)                                                      |         |             |          |                                                                                                                                                    |
| 26      | 800-0048    | 8        | Screw, Cap – Hex Head<br>(3/8-16 x .75)                                         |         |             |          |                                                                                                                                                    |
| 27      | 526-0423    | 2        | Washer, Flat                                                                    |         |             |          |                                                                                                                                                    |
| 28      | 800-0050    | 6        | Screw, Cap – Hex Head<br>(3/8-16 x 1")                                          |         |             |          |                                                                                                                                                    |

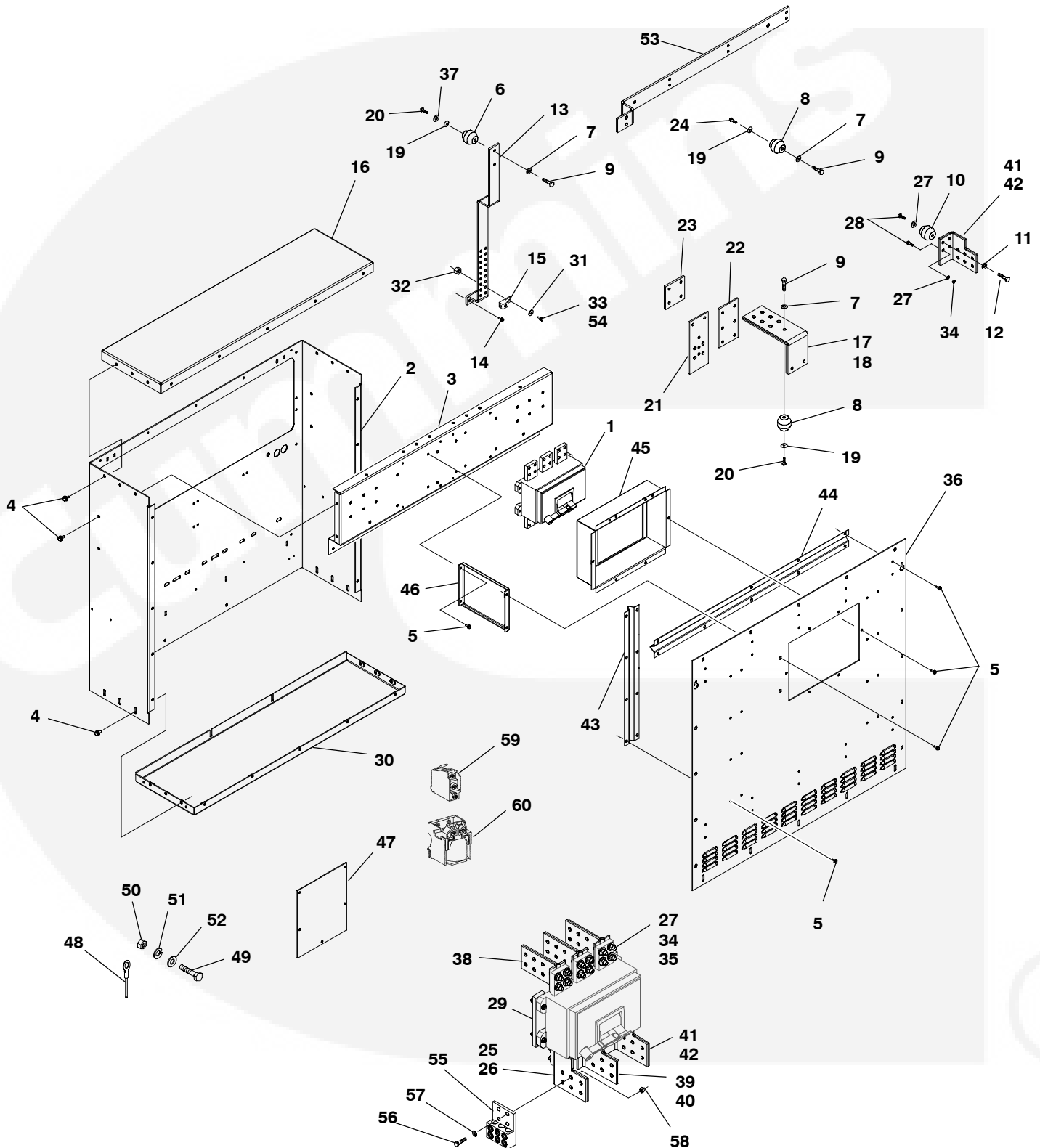
**Circuit Breaker  
P-Frame 800–1200 Amp  
DFGB Begin Spec K, DFGE Begin Spec C**



**Circuit Breaker**  
**P-Frame 800–1200 Amp**  
**DFGB Begin Spec K, DFGE Begin Spec C**

| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                                  | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                       |
|---------|-------------|----------|-------------------------------------------------------------------|---------|-------------|----------|--------------------------------------------------------|
| 1       |             |          | Breaker, Circuit – 3 Pole (UL & IEC) (Includes Mounting Hardware) | 27      | 526–0423    | 2        | Washer, Flat                                           |
|         | 320–2182    | 1        | 800 Amp                                                           | 28      | 800–0050    | 6        | Screw, Cap – Hex Head (3/8–16 x 1")                    |
|         | 320–2183    | 1        | 1200 Amp                                                          | 29      | 800–0049    | 2        | Screw, Cap – Hex Head (3/8–16 x .88)                   |
| 2       | 405–7709–02 | 1        | Cover, Access                                                     | 30      | 862–0003    | 2        | Nut, Hex (3/8)                                         |
| 3       |             |          | Cover, Circuit Breaker                                            | 31      | 800–0053    | 2        | Screw, Cap – Hex Head (3/8–16 x 1.75)                  |
|         | 319–5098–03 | 1        | Left Side Installation                                            | 32      | 815–0261    | 2        | Screw, Hex Washer Head – Thread Forming (1/4–20 x .50) |
|         | 319–5098–04 | 1        | Right Side Installation                                           |         |             |          |                                                        |
| 4       | 319–5062–02 | 1        | Box, Circuit Breaker                                              |         |             |          |                                                        |
| 5       | 821–6002–04 | 69       | Screw, Hex Head (M6 x 1 x 20)                                     | 33      | 332–3039    | 5        | Lug, Solderless                                        |
| 6       | 319–5087–02 | 1        | Cover, Circuit Breaker                                            | 34      | 851–0048–01 | 5        | Washer, Belleville (5/16)                              |
| 7       | 319–5088–02 | 1        | Cover, Circuit Breaker                                            | 35      | 862–0015    | 5        | Nut, Hex (5/16)                                        |
| 8       | 319–5102–04 | 1        | Stiffener, Cover                                                  | 36      | 800–0028    | 3        | Screw, Cap – Hex Head (5/16–18 x 1")                   |
| 9       | 319–3288    | 2        | Brace, Access Door                                                | 37      |             |          | Lead (Quantity Used As Required)                       |
| 10      | 319–3286    | 2        | Brace, Access Door                                                |         |             |          |                                                        |
| 11      | 319–5078–05 | 1        | Cup, Switch                                                       |         |             |          |                                                        |
| 12      | 319–5123–02 | 1        | Bracket, Circuit Breaker                                          |         | 226–4894–01 | 1        | 34"                                                    |
| 13      | 337–3623    | 1        | Bus, Bar – Neutral                                                |         | 226–4894–02 | 1        | 18"                                                    |
| 14      | 337–3632    | 1        | Bus, Bar – Ground                                                 | 38      | 800–2114    | A/R      | Screw, Cap – Hex Head (M12 x 1.75 x 40)                |
| 15      | 337–3631    | 1        | Bus, Bar – Neutral                                                |         |             |          |                                                        |
| 16      | 337–3629–01 | 2        | Bus, Bar – Breaker                                                | 39      | 860–2010    | A/R      | Nut, Hex (M12)                                         |
| 17      | 337–3629–02 | 2        | Bus, Bar – Breaker                                                | 40      | 850–2012    | A/R      | Washer, Lock – Split (M12)                             |
| 18      | 337–3628–01 | 1        | Bus, Bar – Breaker                                                | 41      | 526–2140    | A/R      | Washer, Flat (M12)                                     |
| 19      | 337–3628–02 | 1        | Bus, Bar – Breaker                                                | 42      | 337–3736    | 1        | Bus, Bar – Ground                                      |
| 20      | 337–3625    | 1        | Bus, Bar – Jumper                                                 | 43      | 800–0030    | 2        | Screw, Cap – Hex Head (5/16–18 x 1-1/4)                |
| 21      | 332–2512    | 8        | Standoff, Insulator                                               |         |             |          | <b>Accessories, Circuit Breaker:</b>                   |
| 22      | 332–1557    | 1        | Lug                                                               |         |             |          | Switch – Used as a Trip                                |
| 23      | 851–0048–02 | 10       | Washer, Belleville (3/8)                                          | 44      | 320–2196–01 | 2        | Alarm or Auxiliary Contact                             |
| 24      | 821–6003–01 | 38       | Screw, Hex Head (M8 x 1.25 x 16)                                  | 45      | 320–2196–02 | 1        | 24 Volt Shunt Trip                                     |
| 25      | 850–0050    | 8        | Washer, Lock – Split (3/8)                                        |         |             |          |                                                        |
| 26      | 800–0048    | 8        | Screw, Cap – Hex Head (3/8–16 x .75)                              |         |             |          |                                                        |

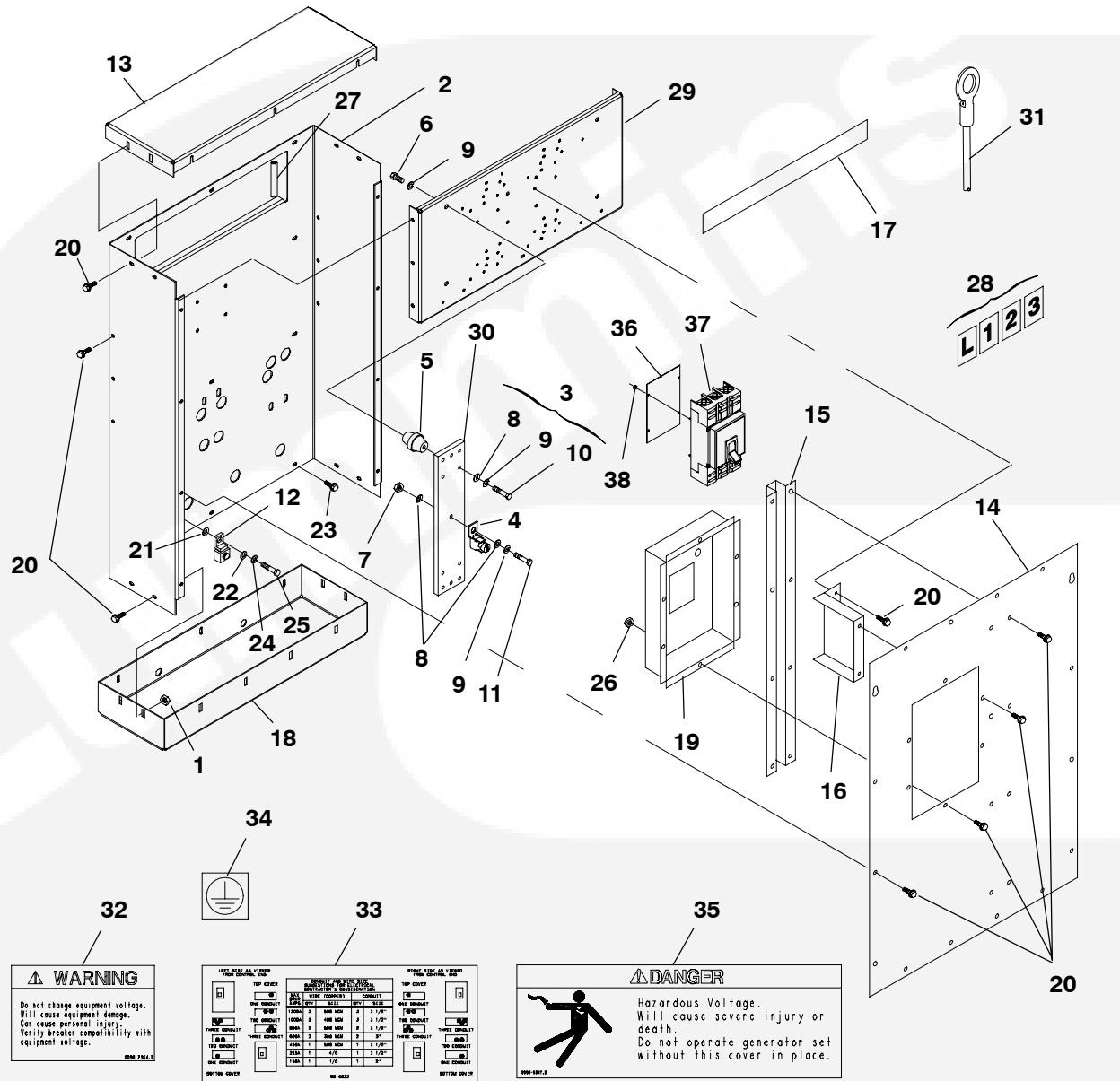
**Circuit Breaker**  
**R-Frame 1600–2500 Amp**  
**DFGB Begin Spec K, DFGE Begin Spec C**



**Circuit Breaker**  
**R-Frame 1600–2500 Amp**  
**DFGB Begin Spec K, DFGE Begin Spec C**

| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                                  | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                        |
|---------|-------------|----------|-------------------------------------------------------------------|---------|-------------|----------|-----------------------------------------|
| 1       |             |          | Breaker, Circuit – 3 Pole (UL & IEC) (Includes Mounting Hardware) | 31      | 851–0048–01 | 7        | Washer, Belleville (5/16)               |
|         | 320–2164–03 | 1        | 1600 Amp                                                          | 32      | 862–0015    | 7        | Nut, Hex (5/16)                         |
|         | 320–2164–02 | 1        | 2000 Amp                                                          | 33      | 800–0028    | 5        | Screw, Cap – Hex Head (5/16–18 x 1")    |
|         | 320–2164–01 | 1        | 2500 Amp                                                          | 34      | 862–0005    | 27       | Nut, Hex (1/2)                          |
| 2       | 319–5062–02 | 1        | Box, Circuit Breaker                                              | 35      | 800–0094    | 27       | Screw, Cap – Hex Head (1/2–13 x 2)      |
| 3       | 319–5065–02 | 1        | Bracket, Circuit Breaker                                          | 36      |             |          | Cover, Circuit Breaker                  |
| 4       | 821–6003–01 | 38       | Screw, Hex Head (M8 x 1.25 x 16)                                  |         | 319–5098–03 | 1        | Left Side Installation                  |
|         |             |          |                                                                   |         | 319–5098–04 | 1        | Right Side Installation                 |
| 5       | 821–6002–04 | 69       | Screw, Hex Head (M6 x 1 x 20)                                     | 37      | 526–0423    | 2        | Washer, Flat                            |
| 6       | 332–2744–07 | 2        | Standoff, Insulator                                               | 38      | 337–3618    | 6        | Bus, Bar – Breaker                      |
| 7       | 850–0050    | 11       | Washer, Lock – Split (3/8)                                        | 39      | 337–3619–01 | 1        | Bus, Bar – Breaker                      |
| 8       | 332–2512    | 5        | Standoff, Insulator                                               | 40      | 337–3619–02 | 1        | Bus, Bar – Breaker                      |
| 9       | 800–0048    | 7        | Screw, Cap – Hex Head (3/8–16 x .75)                              | 41      |             |          | Bus, Bar – Breaker                      |
|         |             |          |                                                                   |         | 337–3620–01 | 1        | Left Side Insulation                    |
| 10      | 332–2743–07 | 1        | Standoff, Insulator                                               |         | 337–3620–01 | 2        | Right Side Insulation                   |
| 11      | 850–0060    | 1        | Washer, Lock – Split (1/2)                                        | 42      |             |          | Bus, Bar – Breaker                      |
| 12      | 800–0090    | 1        | Screw, Cap – Hex Head (1/2–13 x 1.00)                             |         | 337–3621–01 | 1        | Left Side Insulation                    |
|         |             |          |                                                                   |         | 337–3621–01 | 2        | Right Side Insulation                   |
| 13      | 337–3626    | 1        | Bus, Bar – Ground                                                 | 43      | 319–3288    | 2        | Brace, Access Door                      |
| 14      | 815–0261    | 2        | Screw, Hex Washer Head – Thread Forming (1/4–20 x .50)            | 44      | 319–3286    | 2        | Brace, Access Door                      |
|         |             |          |                                                                   | 45      | 319–5078–04 | 1        | Cup, Switch                             |
| 15      | 332–3039    | 7        | Lug, Solderless                                                   | 46      | 319–5102–03 | 1        | Stiffener, Cover                        |
| 16      | 319–5087–02 | 1        | Cover, Circuit Breaker – Top                                      | 47      | 405–7709–02 | 1        | Cover, Access                           |
| 17      | 337–3623    | 1        | Bus, Bar – Neutral                                                | 48      |             |          | Lead (Quantity Used As Required)        |
| 18      | 337–3624    | 1        | Bus, Bar – Neutral                                                |         | 226–4894–02 | 1        | 18"                                     |
| 19      | 851–0048–02 | 7        | Washer, Belleville (3/8)                                          |         | 226–4498–03 | 1        | 30"                                     |
| 20      | 800–0050    | 3        | Screw, Cap – Hex Head (3/8–16 x 1")                               | 49      | 800–2114    | A/R      | Screw, Cap – Hex Head (M12 x 1.75 x 40) |
| 21      | 337–3631    | 2        | Bus, Bar – Neutral                                                | 50      | 860–2010    | A/R      | Nut, Hex (M12)                          |
| 22      | 337–3625    | 1        | Bus, Bar – Jumper                                                 | 51      | 850–2012    | A/R      | Washer, Lock – Split (M12)              |
| 23      | 337–3627    | 1        | Bus, Bar – Neutral                                                | 52      | 526–2140    | A/R      | Washer, Flat (M12)                      |
| 24      | 800–0052    | 4        | Screw, Cap – Hex Head (3/8–16 x 1.5)                              | 53      | 337–3736    | 1        | Bus, Bar – Ground                       |
|         |             |          |                                                                   | 54      | 800–0030    | 2        | Screw, Cap – Hex Head (5/16–18 x 1-1/4) |
| 25      |             |          | Bus, Bar – Breaker                                                |         |             |          |                                         |
|         | 337–3620–02 | 2        | Left Side Insulation                                              | 55      | 332–3949    | 8        | Lug, Cable – Solderless                 |
|         | 337–3620–02 | 1        | Right Side Insulation                                             | 56      | 800–0054    | 16       | Screw, Cap – Hex Head (3/8–16 x 2.00)   |
| 26      |             |          | Bus, Bar – Breaker                                                |         |             |          |                                         |
|         | 337–3621–02 | 2        | Left Side Insulation                                              | 57      | 851–0022    | 16       | Washer, Spring (3/8)                    |
|         | 337–3621–02 | 1        | Right Side Insulation                                             | 58      | 862–0003    | 16       | Nut, Hex (3/8)                          |
| 27      | 851–0048–03 | 28       | Washer, Belleville (1/2)                                          |         |             |          | <b>Accessories, Circuit Breaker:</b>    |
| 28      | 800–0093    | 4        | Screw, Cap – Hex Head (1/2–13 x 1.75)                             | 59      | 320–2196–01 | 2        | Switch – Used as a Trip                 |
| 29      | 232–4131    | 2        | Spacer, Mounting Foot                                             |         |             |          | Alarm or Auxiliary Contact              |
| 30      | 319–5088–02 | 1        | Cover, Circuit Breaker – Bottom                                   | 60      | 320–2196–02 | 1        | 24 Volt Shunt Trip                      |

## Circuit Breaker Box DFGB





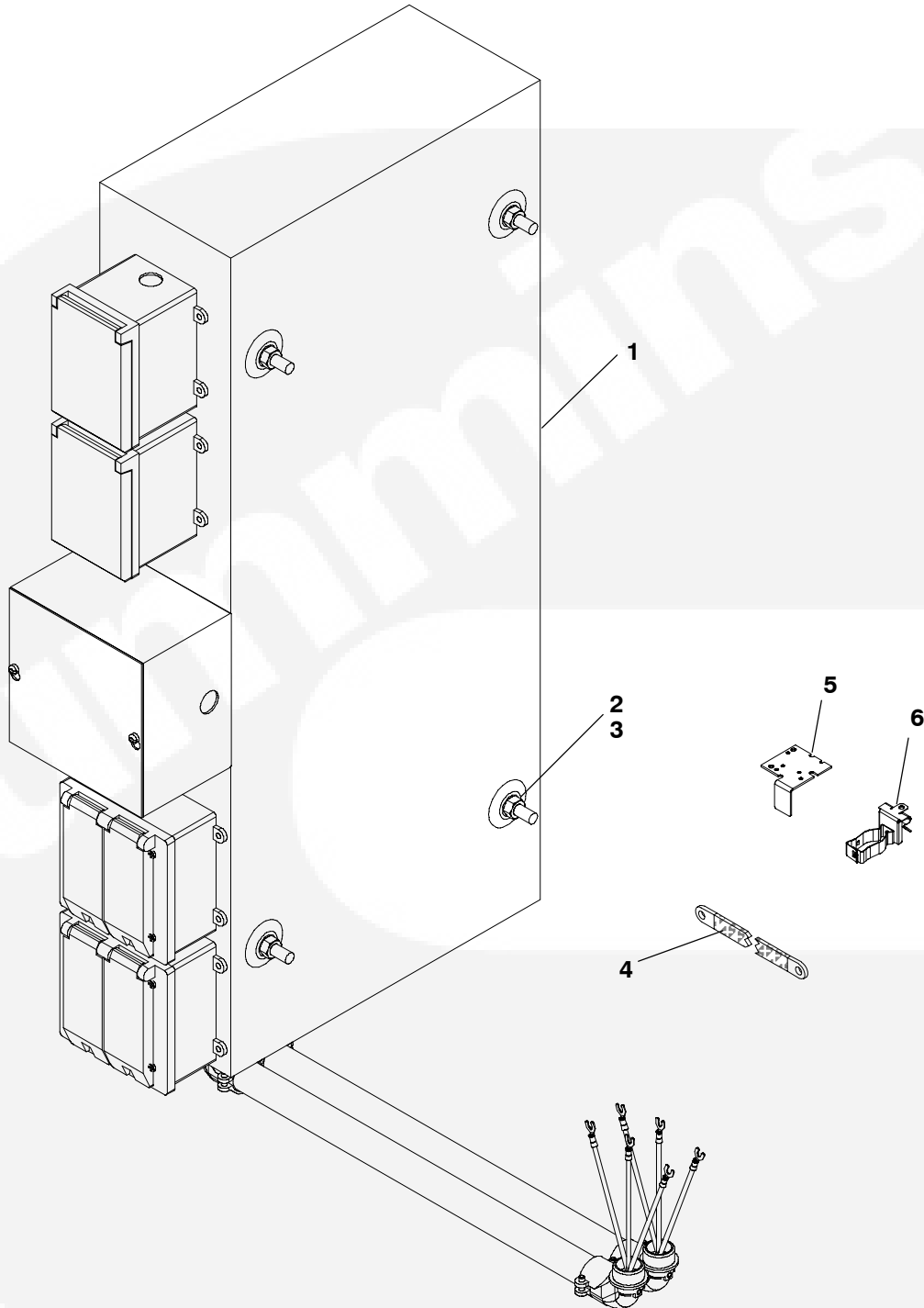
## Circuit Breaker Box DFGB

| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                                                                                                       | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                                   |
|---------|-------------|----------|----------------------------------------------------------------------------------------------------------------------------------------|---------|-------------|----------|--------------------------------------------------------------------|
| 1       | 870-0504    | 16       | Nut, Self-Retaining (M6)                                                                                                               | 22      | 526-2120    | 1        | Washer, Flat (M10)                                                 |
| 2       | 319-3169    | 1        | Box                                                                                                                                    | 23      | 821-2034    | 2        | Screw, Self-Locking – Hex Washer Head (M6 x 25mm)                  |
| 3       | 300-3515    | 1        | Bar Assembly, Neutral – Used on 3 Pole Circuit Breakers and Disconnect Switches (Includes Parts Marked *)                              | 24      | 850-2010    | 1        | Washer, Lock – Spring (M10)                                        |
| 4       | 332-3788    | 3        | *Lug, Solderless                                                                                                                       | 25      | 800-2088    | 1        | Screw, Cap – Hex Head (M10 x 25mm)                                 |
| 5       | 332-2744-07 | 2        | *Standoff, Insulator                                                                                                                   | 26      | 870-2054    | 4        | Nut, Hex – Flange (M6)                                             |
| 6       | 800-0048    | 2        | *Screw, Cap – Hex Head (3/8-16 x 3/4")                                                                                                 | 27      | 508-1092    | -        | Edging – Bulk (Order By The Foot – 3 Feet Required)                |
| 7       | 862-0003    | 6        | *Nut, Hex (3/8")                                                                                                                       | 28      |             |          | Label, Marker (10 Characters Per Card) (Quantity Used As Required) |
| 8       | 526-0399-20 | 8        | *Washer, Flat                                                                                                                          |         | 098-5854-06 | 3        | Marked "L"                                                         |
| 9       | 850-0050    | 10       | *Washer, Lock – Spring (3/8")                                                                                                          |         | 098-5854-07 | 1        | Marked "1"                                                         |
| 10      | 800-0051    | 2        | *Screw, Cap – Hex Head (3/8-16 x 1-1/4")                                                                                               |         | 098-5854-08 | 1        | Marked "2"                                                         |
| 11      | 800-0053    | 6        | *Screw, Cap – Hex Head (3/8-16 x .75)                                                                                                  |         | 098-5854-09 | 1        | Marked "3"                                                         |
| 12      | 332-2001    | 1        | Lug, Solderless                                                                                                                        | 29      | 319-5491-02 | 1        | Bracket, Mounting                                                  |
| 13      | 319-1915    | 1        | Panel – Top                                                                                                                            | 30      | 337-3514    | 2        | *Bar, Bus – Neutral Lead                                           |
| 14      | 319-1917    | 1        | Cover                                                                                                                                  | 31      |             |          |                                                                    |
| 15      | 319-3284    | 1        | Brace, Cover                                                                                                                           | 32      | 098-2304    | 1        | Label, Warning                                                     |
| 16      | 319-3333    | 1        | Brace, Cover                                                                                                                           | 32      | 098-2304    | 1        | Label, Warning                                                     |
| 17      | 091-0002    | 1        | Strip, Copper (Used for wrapping end of leads before securing to circuit breakers and disconnect switches) (Quantity Used As Required) | 34      | 098-6537    | 1        | Label, Ground                                                      |
| 18      | 319-3183    | 1        | Panel – Bottom                                                                                                                         | 35      | 098-5347    | 1        | Label, Danger                                                      |
| 19      |             |          | Cup                                                                                                                                    | 36      | 877-0364-02 | 1        | Insulation                                                         |
|         | 319-2431-31 | 1        | 2-1/2" x 4-9/16" Opening                                                                                                               | 37      |             |          | Breaker, Circuit                                                   |
|         | 319-2431-37 | 1        | 7-3/8" x 8" Opening                                                                                                                    |         | 320-1960-04 | 1        | 400 Amp                                                            |
| 20      | 821-6002-03 | 53       | Screw, Self-Locking – Hex Washer Head (M6 x 16mm)                                                                                      |         | 320-1960-01 | 1        | 600 Amp                                                            |
| 21      | 856-0010    | 1        | Washer, Lock – EIT (3/8")                                                                                                              |         | 320-2261-02 | 1        | 800 Amp                                                            |
|         |             |          |                                                                                                                                        |         | 320-2262-02 | 1        | 1200 Amp                                                           |
|         |             |          |                                                                                                                                        | 38      | 870-0131    | 4        | Nut, Hex – W/ET (10-32)                                            |

\* – Parts Included In 300-3515-01 Neutral Bar Assembly

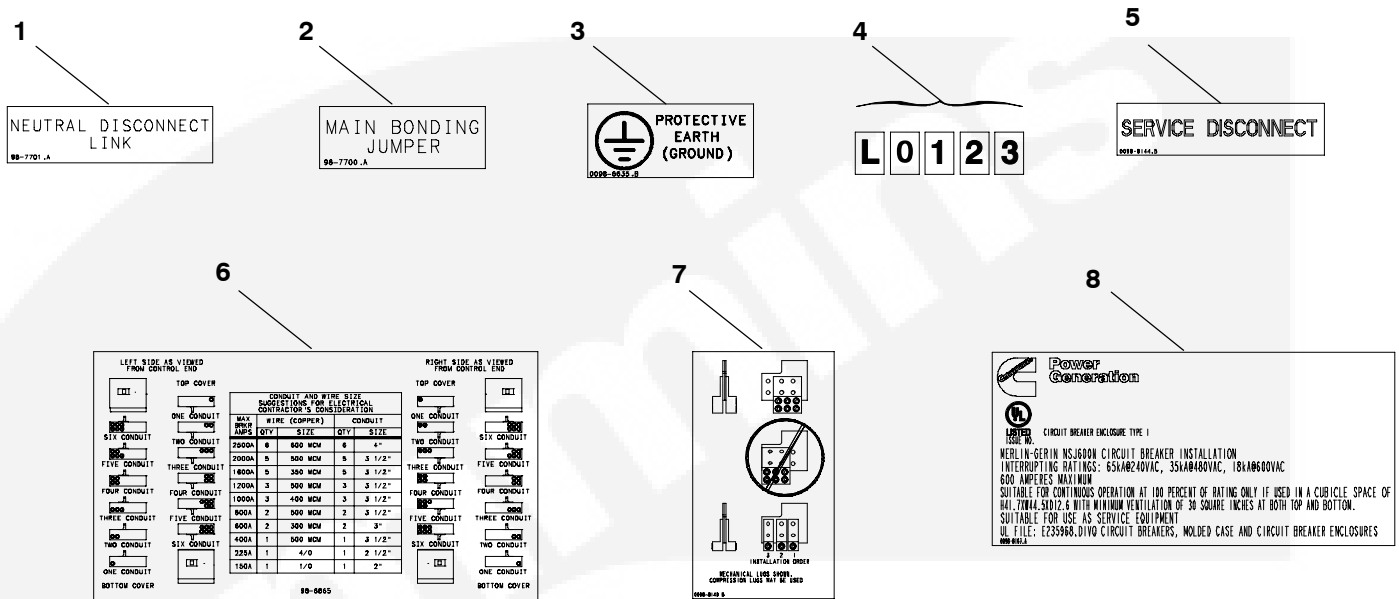


## AC Circuit Breaker Box



| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                           | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION           |
|---------|-------------|----------|------------------------------------------------------------|---------|-------------|----------|----------------------------|
| 1       | 320-2281-01 | 1        | Breaker, Circuit – Assembly Without Flexible Metal Conduit | 3       | 850-2010    | 4        | Washer, Lock – Split (M10) |
|         | 320-2281-02 | 1        | With Flexible Metal Conduit                                | 4       | 337-3466-01 | 1        | Strap, Bond                |
| 2       | 860-2009    | 4        | Nut, Hex (M10 x 1.5)                                       | 5       | 319-5774-02 | 1        | Spacer, Control – Heater   |
|         |             |          |                                                            | 6       | 331-0625    | 8        | Clamp, Conduit             |

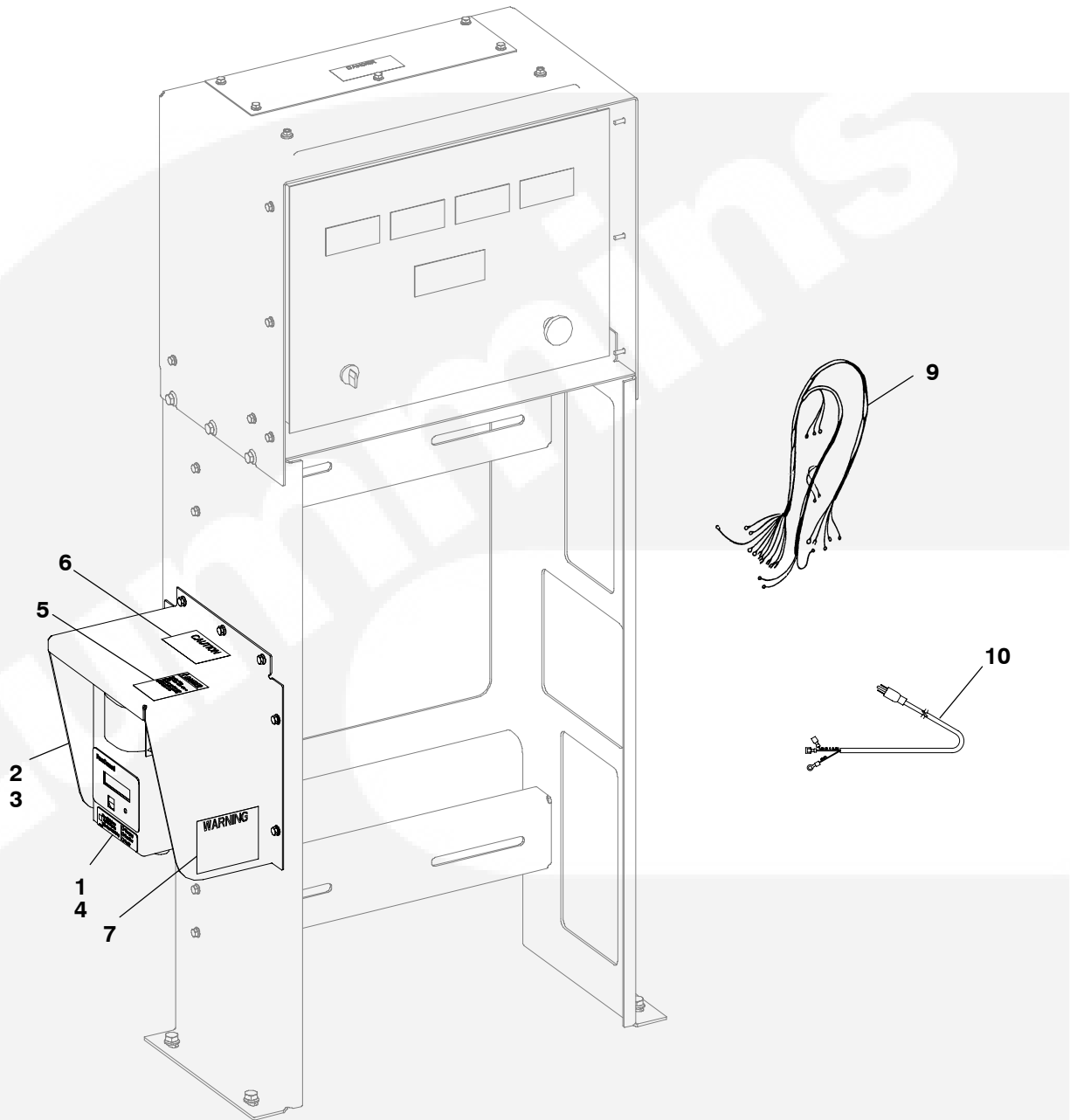
## Labels – Circuit Breaker



| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                                   | REF NO.  | PART NO. | QTY USED | PART DESCRIPTION                                  |
|---------|-------------|----------|--------------------------------------------------------------------|----------|----------|----------|---------------------------------------------------|
| 1       | 098-7701    | 1        | Label, Neutral Disconnect Link                                     | 8        |          |          | Label, Information                                |
| 2       | 098-7700    | 1        | Label, Bonding Jumper                                              | 098-8169 | 1        |          | P-Frame – 1200 Amp (150V Line to Neutral Maximum) |
| 3       | 098-6635    | 1        | Label, Ground                                                      |          |          |          |                                                   |
| 4       |             |          | Label, Marker (10 Characters Per Card) (Quantity Used As Required) |          |          |          |                                                   |
|         | 098-5854-06 | 1        | Marked "L"                                                         |          |          |          |                                                   |
|         | 098-5854-07 | 1        | Marked "1"                                                         |          |          |          |                                                   |
|         | 098-5854-08 | 1        | Marked "2"                                                         |          |          |          |                                                   |
|         | 098-5854-09 | 1        | Marked "3"                                                         |          |          |          |                                                   |
|         | 098-5854-10 | 1        | Marked "0"                                                         |          |          |          |                                                   |
| 5       | 098-8144    | 1        | Label, Information (Service Disconnect)                            |          |          |          |                                                   |
| 6       | 098-6865    | 1        | Label, Conduit Location                                            |          |          |          |                                                   |
| 7       | 098-8149    | 1        | Label, Information (Lug Installation)                              |          |          |          |                                                   |



## 15 Amp Charger Mounting

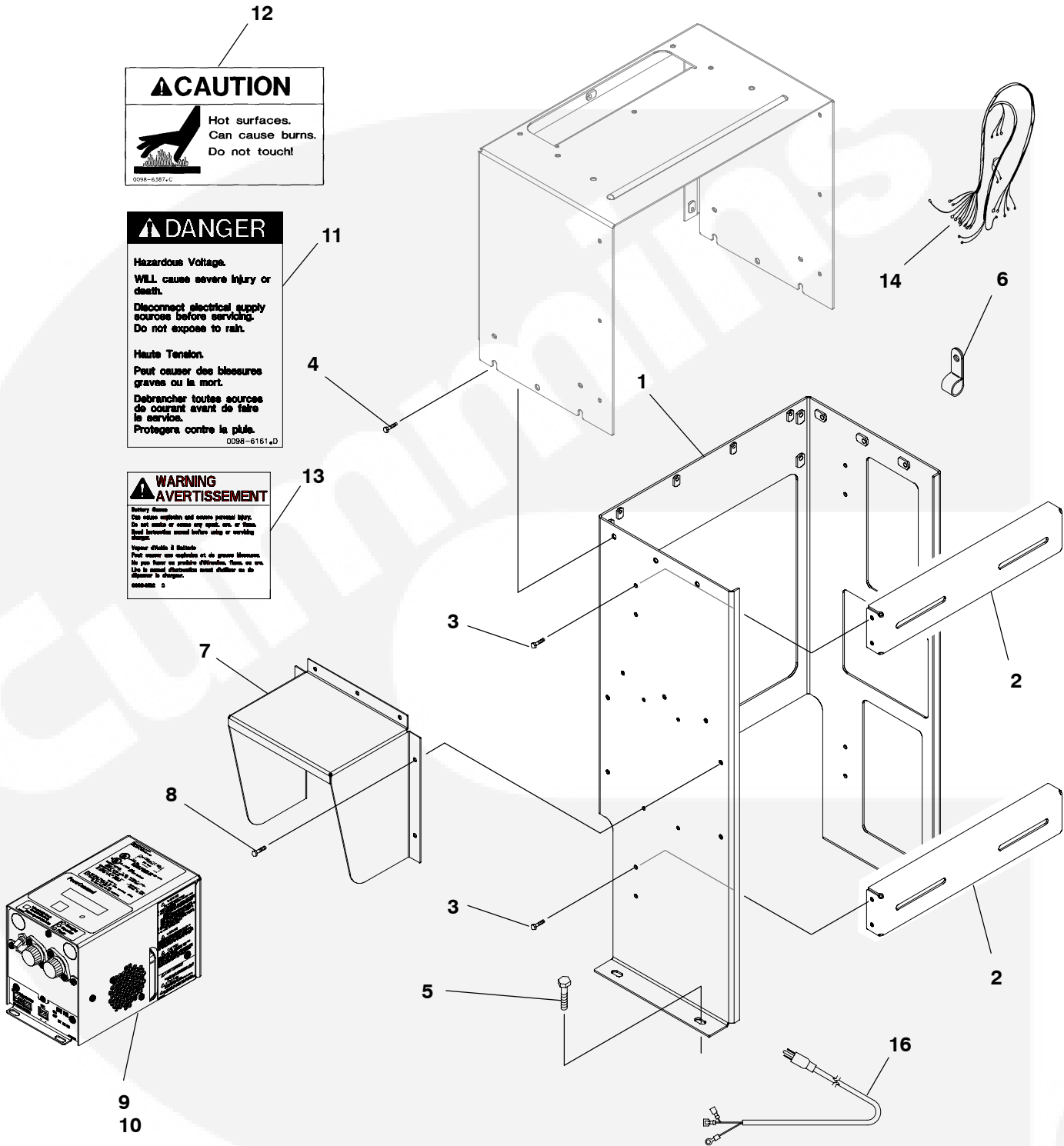


| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                    |
|---------|-------------|----------|---------------------------------|---------|-------------|----------|-------------------------------------|
| 1       | 300-5878-01 | 1        | Charger, 15 Amp                 | 6       | 098-6387    | 1        | Label, Caution                      |
| 2       | 319-5747-02 | 1        | Cover, Control                  | 7       | 098-6162    | 1        | Label, Warning                      |
| 3       | 821-6002-03 | 7        | Screw, Hex Head (M6 x 1 x 16)   | 8       | 331-0027    | 2        | Connector, Romex (1/2") (Not Shown) |
| 4       | 821-6001-02 | 4        | Screw, Hex Head (M5 x 0.8 x 12) | 9       | 338-4300-03 | 1        | Harness, Battery Charger            |
| 5       | 098-6161    | 1        | Label, Danger                   | 10      | 335-0173-06 | 1        | Cable                               |

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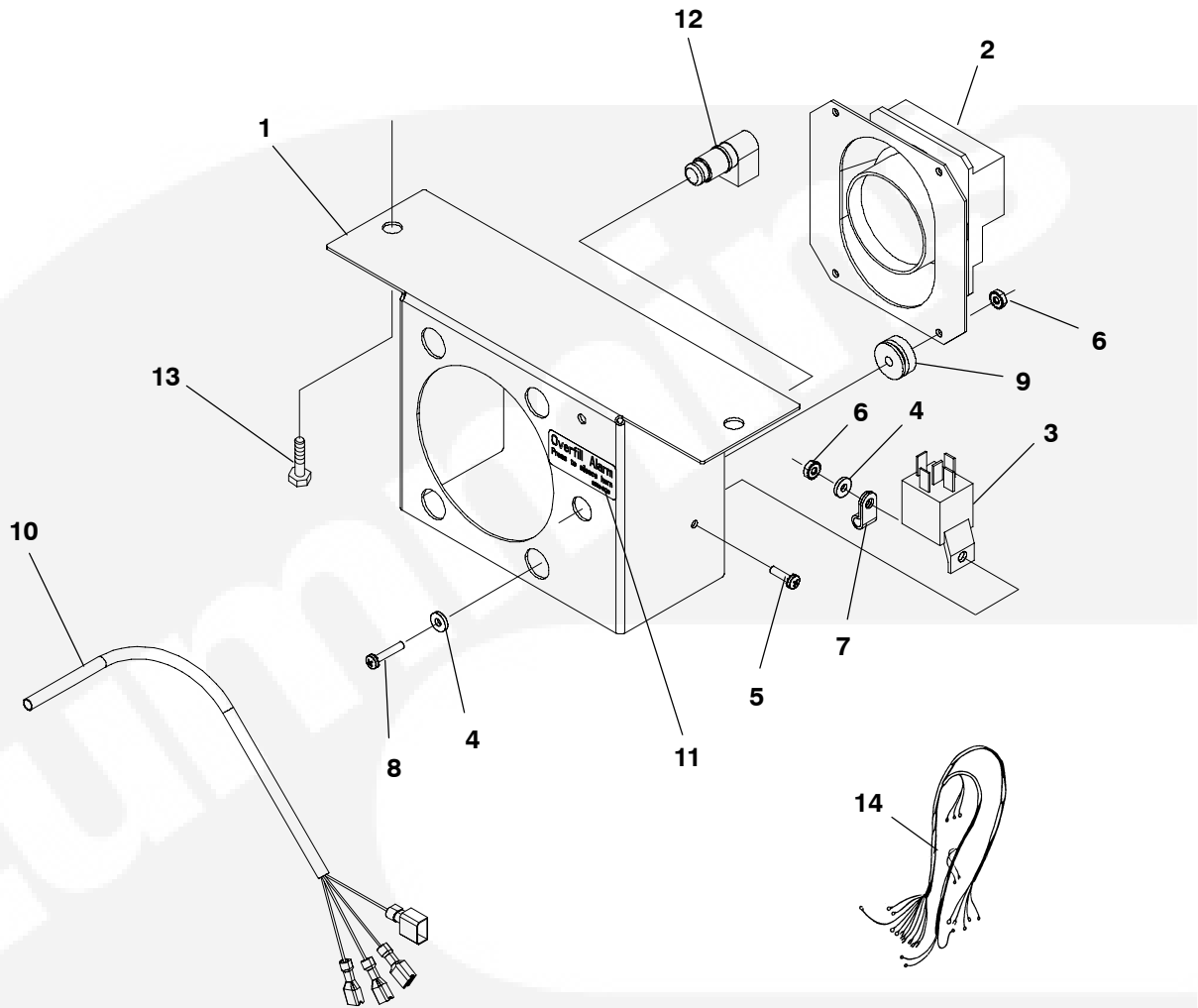
## Control Box Mounting Charger



## Control Box Mounting Charger

| REF<br>NO. | PART<br>NO. | QTY<br>USED | PART<br>DESCRIPTION                 | REF<br>NO. | PART<br>NO. | QTY<br>USED | PART<br>DESCRIPTION                                                   |
|------------|-------------|-------------|-------------------------------------|------------|-------------|-------------|-----------------------------------------------------------------------|
| 1          | 319-5558-02 | 1           | Base, Control Box                   | 9          | 300-5878-01 | 1           | Control - Charger - Complete<br>(See Separate Page for<br>Components) |
| 2          | 319-5520-02 | 2           | Channel, Support                    |            |             |             |                                                                       |
| 3          | 821-6002-03 | 12          | Screw, Hex Head (M6 x 1 x 16)       | 10         | 821-6001-02 | 4           | Screw, Hex Head (M5 x 0.8 x<br>12)                                    |
| 4          | 821-6003-02 | 6           | Screw, Hex Head (M8 x 1.25 x<br>20) | 11         | 098-6161    | 1           | Label, Danger                                                         |
| 5          | 821-6004-01 | 4           | Screw, Hex Head (M10 x 1.5 x<br>20) | 12         | 098-6387    | 1           | Label, Caution                                                        |
| 6          | 518-0548-44 | 2           | Clamp, Hose                         | 13         | 098-6162    | 1           | Label, Warning                                                        |
| 7          | 319-5747-02 | 1           | Cover, Control - Battery<br>Charger | 14         | 338-4300-03 | 1           | Harness, Wiring - Charger                                             |
| 8          | 821-6002-03 | 7           | Screw, Hex Head (M6 x 1 x 16)       | 15         | 331-0027    | 2           | Connector, Romex (Not Shown)                                          |
|            |             |             |                                     | 16         | 335-0173-06 | 1           | Cable                                                                 |

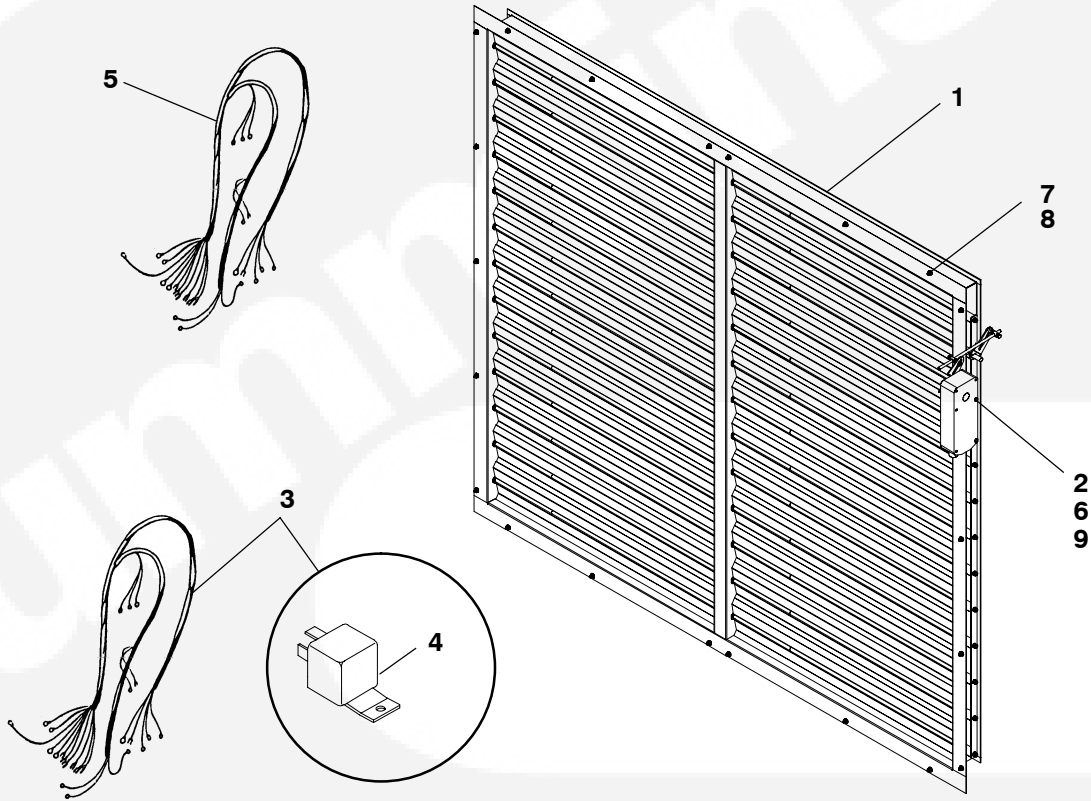
## Overfill Alarm



| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                                                          | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                                      |
|---------|-------------|----------|-------------------------------------------------------------------------------------------|---------|-------------|----------|-----------------------------------------------------------------------|
|         | 333-0683-02 | 1        | Alarm - Assembly - 24VDC<br>(Includes all the Following<br>Except Two Mounting<br>Screws) | 8       | 815-0651    | 4        | Screw, Machine - Pan Head -<br>Cross Recessed - W/ET<br>(#6-32 x .75) |
| 1       | 319-5056-02 | 1        | Box, Control                                                                              | 9       | 508-1195    | 4        | Grommet                                                               |
| 2       | 333-0682    | 1        | Horn, Alarm                                                                               | 10      | 338-4360-02 | 1        | Harness, Alarm - Overfill                                             |
| 3       | 307-2817-02 | 1        | Relay                                                                                     | 11      | 098-8120    | 1        | Label, Information                                                    |
| 4       | 526-0399-05 | 9        | Washer, Flat                                                                              | 12      | 308-0973    | 1        | Switch, Pushbutton                                                    |
| 5       | 815-0937    | 1        | Screw, Machine - Pan Head -<br>Cross Recessed - W/ET<br>(#6-32 x .50)                     | 13      | 815-0709-01 | 2        | Screw, Hex Head - Thread<br>Forming (M8)                              |
| 6       | 870-0183    | 5        | Nut, Hex - W/ET                                                                           | 14      |             |          | Harness, Alarm - High Fuel                                            |
| 7       | 518-0340    | 1        | Clamp, Cable                                                                              |         | 338-4601-01 | 1        | PCC 2100                                                              |
|         |             |          |                                                                                           |         | 338-4601-02 | 1        | PCC 3100                                                              |

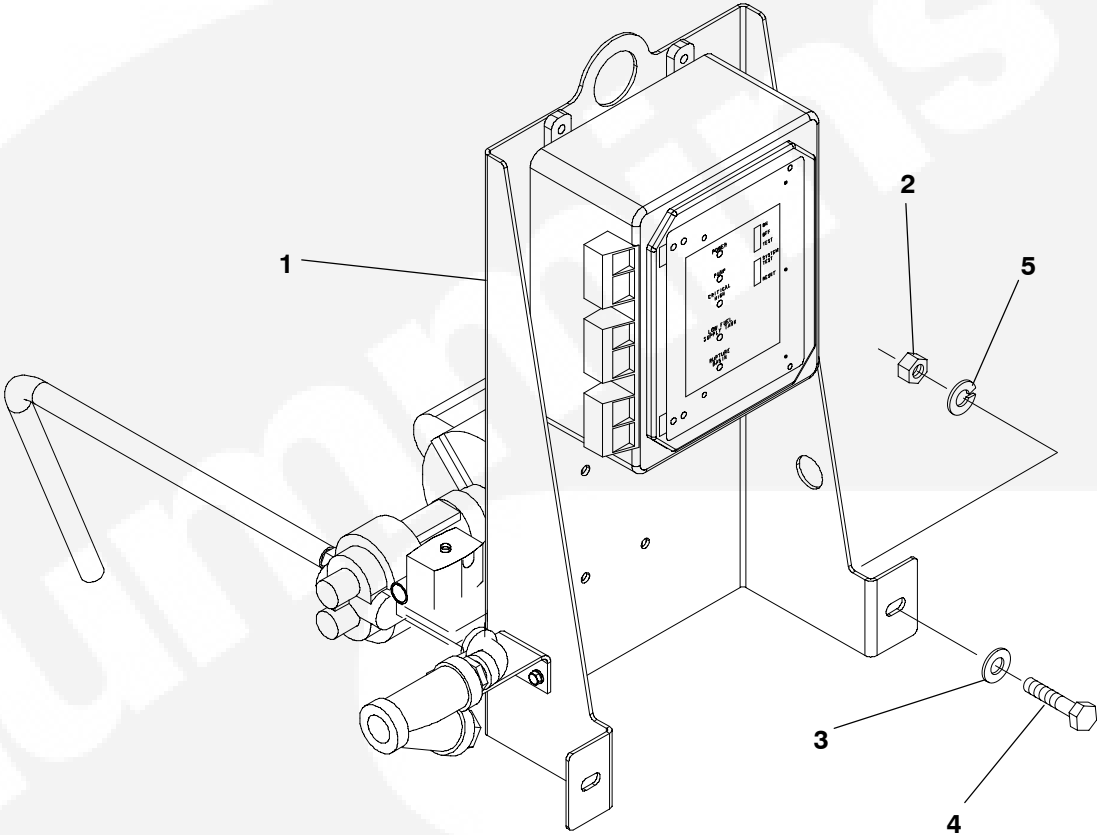


## Outlet Louver Auto



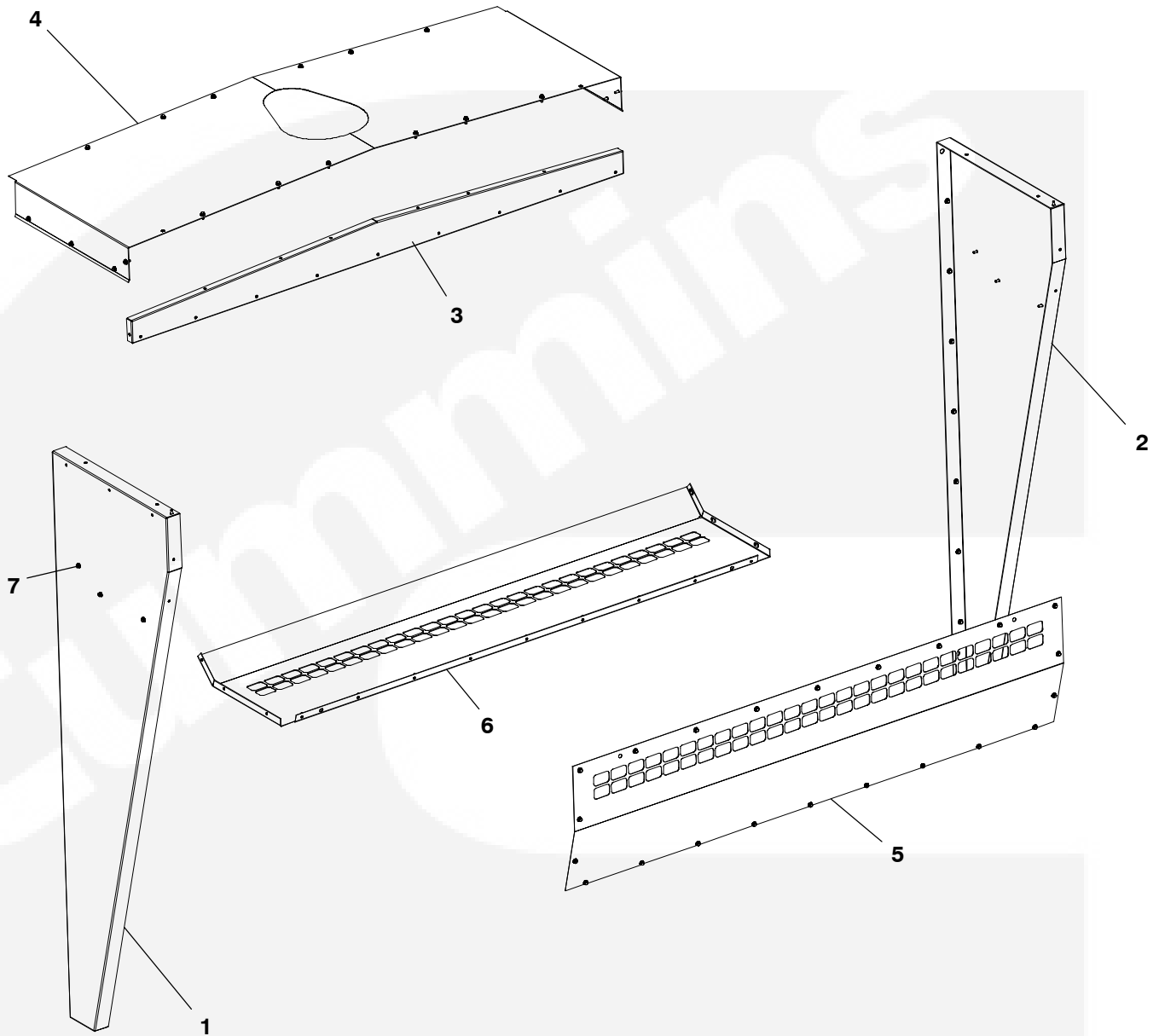
| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                               | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                            |
|---------|-------------|----------|------------------------------------------------|---------|-------------|----------|---------------------------------------------|
| 1       | 405-8732    | 1        | Louver – Auto Damper Gravity                   | 5       | 338-4589    | 1        | Harness, Extension – Actuator – Spring Open |
|         | 405-8634-01 | 1        | Spring Open                                    | 6       | 405-8782-02 | 1        | Bracket, Duct – Actuator                    |
|         | 405-8634-02 | 1        | Spring Closed                                  | 7       | 821-6006-01 | 22       | Screw, Hex Head (M6 x 1.0 x 16)             |
| 2       | 821-6007-02 | 2        | Screw, Hex Head (M8 x 1.25 x 20)               | 8       | 870-2054    | 22       | Nut, Lock – Flange (M6 x 1)                 |
| 3       | 338-4588-01 | 1        | Harness, Extension – Actuator (Includes Relay) | 9       | 800-2044    | 2        | Screw, Cap – Hex Head (M6 x 1 x 70)         |
| 4       | 307-2817-02 | 1        | Relay – 24VDC                                  |         |             |          |                                             |

Fuel Pump



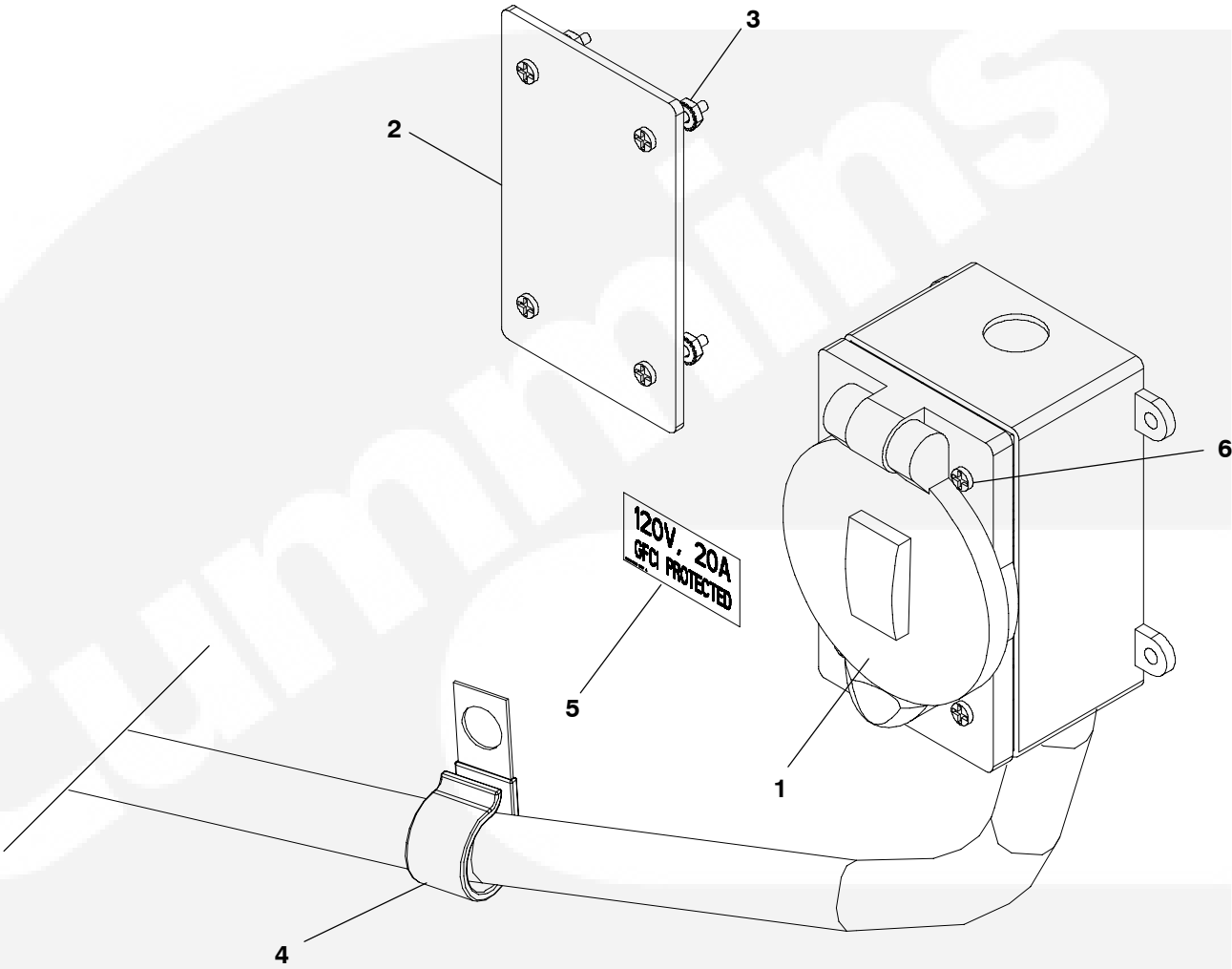
| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION | REF NO. | PART NO. | QTY USED | PART DESCRIPTION                 |
|---------|-------------|----------|------------------|---------|----------|----------|----------------------------------|
| 1       |             |          | Pump, Fuel       | 2       | 860-2010 | 2        | Nut, Hex                         |
|         | 149-2758-01 | 1        | 200-600 Gallon   | 3       | 526-0219 | 2        | Washer, Flat                     |
|         | 149-2758-02 | 1        | 1000 Gallon      | 4       | 800-2112 | 2        | Screw, Cap - Hex Head (M12 x 30) |
|         | 149-2758-03 | 1        | 1500-2400 Gallon |         |          |          |                                  |
|         | 149-2758-04 | 1        | 3000 Gallon      | 5       | 850-2012 | 2        | Washer, Lock - Split             |

## Muffler Cover Weather



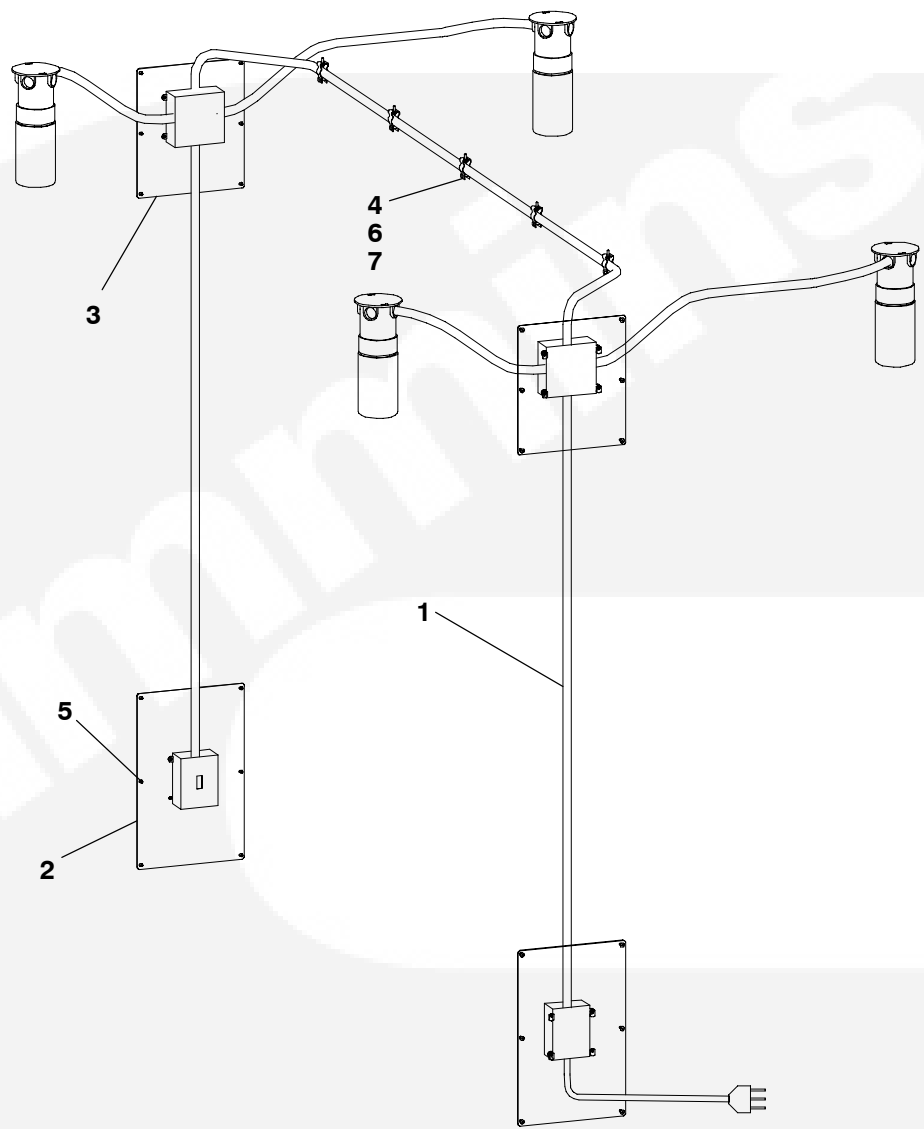
| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                 |
|---------|-------------|----------|---------------------------------|---------|-------------|----------|----------------------------------|
| 1       | 155-4339-02 | 1        | Bracket, Muffler – Right Hand   | 5       | 155-4341-02 | 1        | Cover, Exhaust                   |
| 2       | 155-4340-02 | 1        | Bracket, Muffler – Left Hand    | 6       | 155-4348-02 | 1        | Cover, Exhaust – Bottom          |
| 3       | 405-8073-02 | 1        | Stiffener, Roof – Truss         | 7       | 821-6007-02 | 66       | Screw, Hex Head (M8 x 1.25 x 20) |
| 4       | 405-8567-02 | 1        | Panel, Roof – Muffler – Weather |         |             |          |                                  |

External Receptacle



| REF NO. | PART NO. | QTY USED | PART DESCRIPTION          | REF NO. | PART NO. | QTY USED | PART DESCRIPTION         |
|---------|----------|----------|---------------------------|---------|----------|----------|--------------------------|
| 1       | 330-0157 | 1        | Cover, Receptacle         | 4       | 518-0703 | 5        | Clamp, Conduit           |
| 2       | 330-0158 | 1        | Cover, Outlet Box – Blank | 5       | 098-8185 | 1        | Label, Information       |
| 3       | 870-0183 | 4        | Nut, Hex – W/ET (#6-32)   | 6       | 812-0068 | 4        | Screw, Hex (#6-32 x 1.0) |

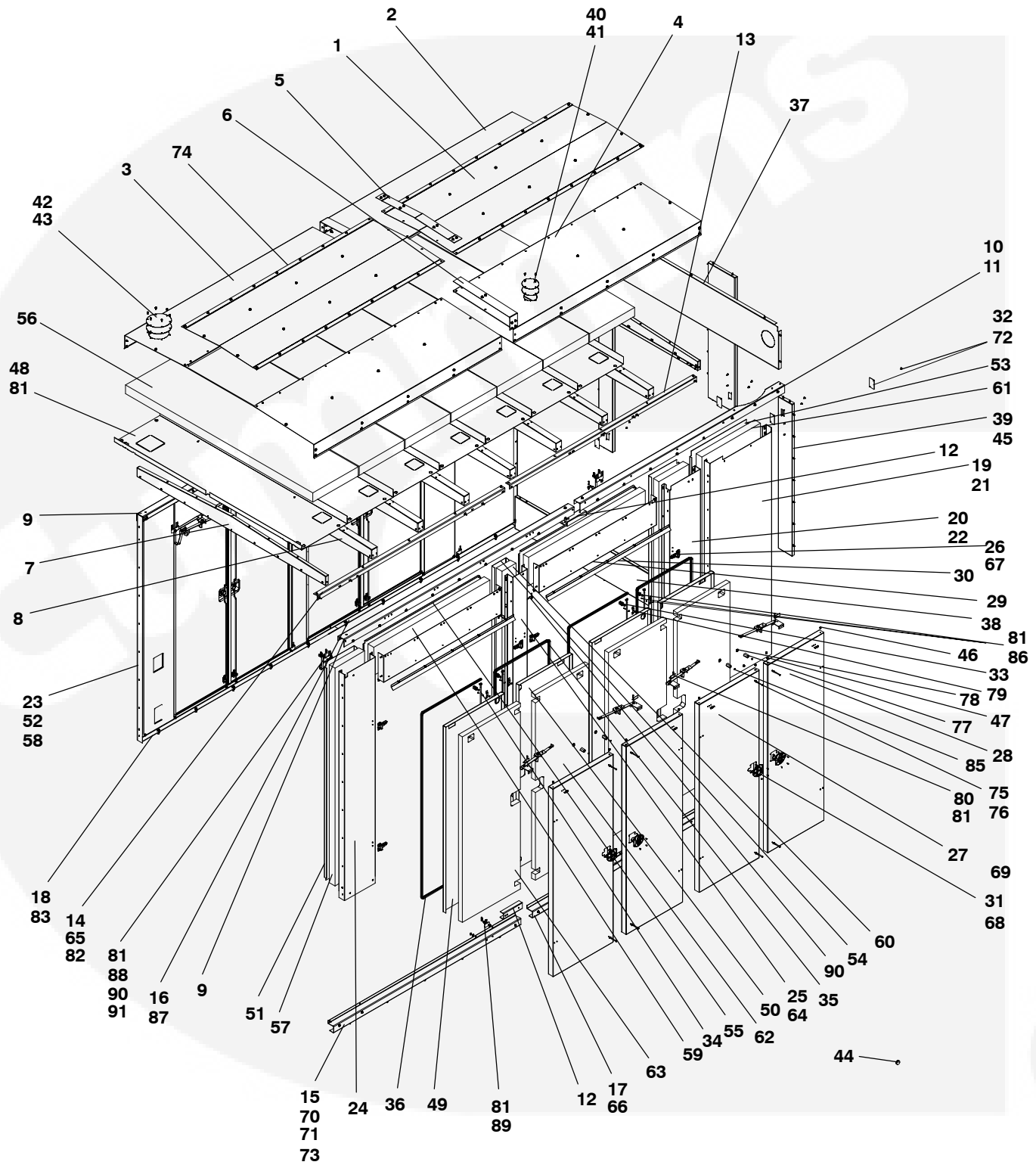
Enclosure Lighting



| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION         |
|---------|-------------|----------|--------------------------|
| 1       | 179-4148    | 1        | Lighting Assembly        |
| 2       | 319-5641-02 | 2        | Plate, Mounting – Switch |
| 3       | 319-5642-02 | 2        | Plate, Mounting – Switch |
| 4       | 331-0602    | 5        | Clamp, Conduit           |

| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                      |
|---------|-------------|----------|-------------------------------------------------------|
| 5       | 818-0231-02 | 24       | Rivet, Pop                                            |
| 6       | 800-6294    | 5        | Screw, Hex – Flange Head – Thread Forming (#8 x 5/8") |
| 7       | 526-0179    | 5        | Washer, Flat (3/16)                                   |

# Enclosure



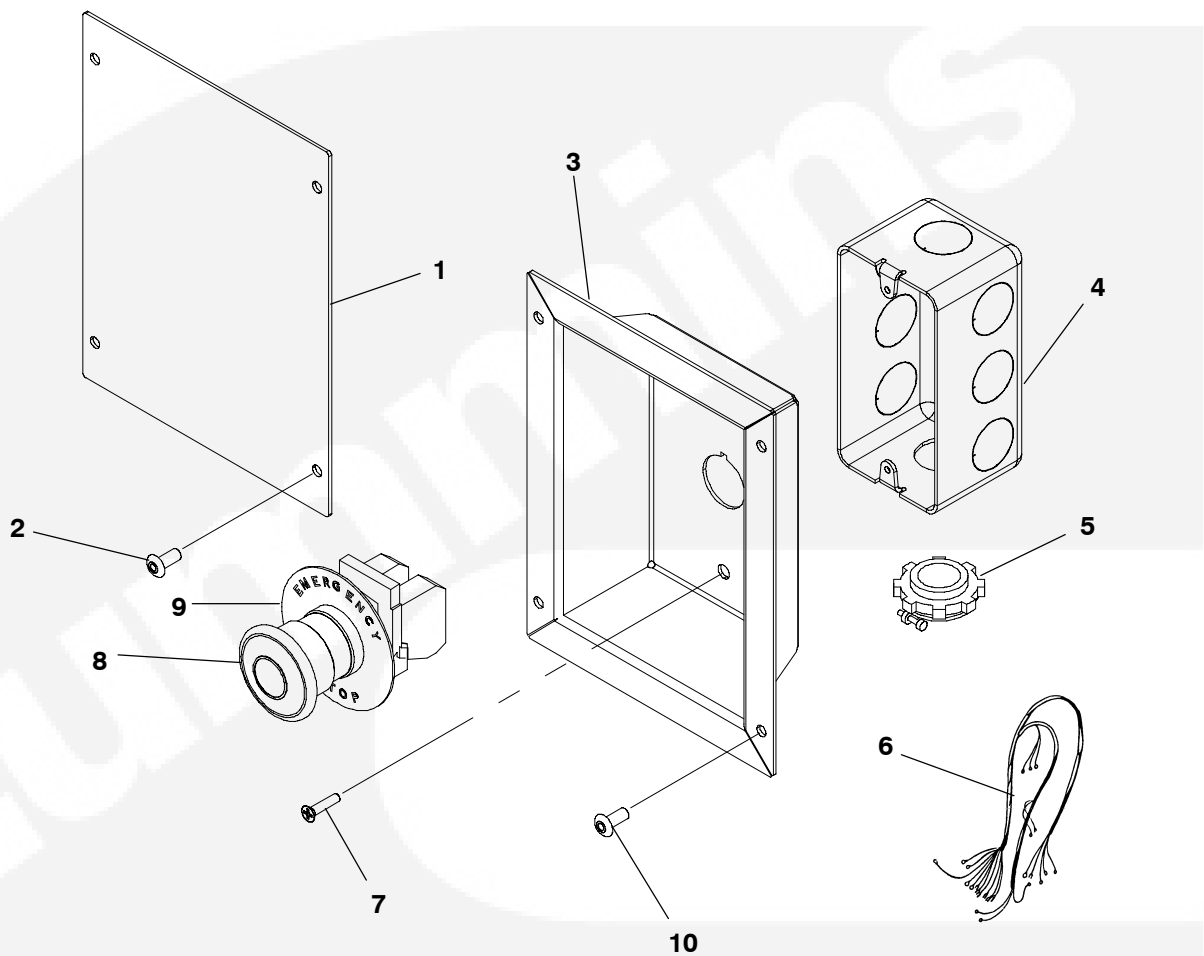
## Enclosure

| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                      | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                                   |
|---------|-------------|----------|---------------------------------------|---------|-------------|----------|--------------------------------------------------------------------|
| 1       | 405-8071-02 | 2        | Panel, Roof – Center                  | 55      | 405-8645    | 4        | * Retainer, Insulation – Header                                    |
| 2       | 405-8072-02 | 2        | Panel, Roof – Side                    | 56      | 405-6000-16 | 7        | * Insulation, Panel                                                |
| 3       | 405-8766-02 | 1        | Panel, Roof – Side                    | 57      | 405-6000-17 | 3        | * Insulation, Panel                                                |
| 4       | 405-8767-02 | 1        | Panel, Roof – Side                    | 58      | 405-8778    | 1        | * Insulation, Panel – Post                                         |
| 5       | 405-8494-02 | 1        | Retainer, Seal – Roof                 | 59      | 405-6000-20 | 4        | * Insulation, Panel                                                |
| 6       | 405-8495-02 | 2        | Retainer, Seal – Roof                 | 60      | 405-6000-18 | 2        | * Insulation, Panel                                                |
| 7       | 405-8073-02 | 2        | Stiffener, Roof – Truss               | 61      | 405-6000-19 | 2        | * Insulation, Panel                                                |
| 8       | 405-8615-02 | 7        | Stiffener, Roof – Truss               | 62      | 405-8646    | 4        | * Insulation, Panel – Door                                         |
| 9       | 405-8083-02 | 2        | Stiffener, Enclosure – Upper          | 63      | 405-8647    | 4        | * Insulation, Panel – Door                                         |
| 10      | 405-8536-02 | 1        | Stiffener, Enclosure – Upper          | 64      | 821-6007-02 | 218      | Screw, Hex Head (M8 x 1.25 x 20)                                   |
| 11      | 405-8537-02 | 1        | Stiffener, Enclosure – Upper          | 65      | 821-6003-02 | 56       | Screw, Hex Head (M8 x 1.25 x 20)                                   |
| 12      | 405-8573-02 | 4        | Stiffener, Enclosure – Splice         | 66      | 870-2065-03 | 20       | Nut, Hex – Flange                                                  |
| 13      | 405-8538-02 | 2        | Stiffener, Roof                       | 67      | 821-6006-01 | 102      | Screw, Hex Head (M6 x 1.0 x 16)                                    |
| 14      | 405-8539-02 | 2        | Stiffener, Roof                       | 68      | 818-0231-02 | 72       | Rivet, Pop                                                         |
| 15      | 405-8084-02 | 1        | Stiffener, Enclosure – Lower          | 69      | 815-0181    | 8        | Screw, Hex Head – Thread Cutting (#10-32 x 0.50)                   |
| 16      | 405-8635-02 | 1        | Stiffener, Enclosure – Lower          | 70      | 526-0249-01 | 40       | Washer, Flat (7/16)                                                |
| 17      | 405-8636-02 | 1        | Stiffener, Enclosure – Lower          | 71      | 800-2089    | 20       | Screw, Hex Head (M10 x 1.5 x 40)                                   |
| 18      | 405-8637-02 | 1        | Stiffener, Enclosure – Lower          | 72      | 818-0231-06 | 4        | Rivet, Pop                                                         |
| 19      | 405-8074-02 | 1        | Post, Enclosure – Outlet – Right Hand | 73      | 860-2009    | 20       | Nut, Hex (M10 x 1.5)                                               |
| 20      | 405-8608-02 | 1        | Post, Enclosure – Right Hand          | 74      | 895-0414    | -        | Tape, Weather Strip – Bulk (Order by the Foot – 147 Feet Required) |
| 21      | 405-8075-02 | 1        | Post, Enclosure – Outlet – Left Hand  | 75      | 526-0018    | 16       | Washer, Flat (1/4)                                                 |
| 22      | 405-8609-02 | 1        | Post, Enclosure – Left Hand           | 76      | 800-2044    | 16       | Screw, Cap – Hex Head (M6 x 1 x 70)                                |
| 23      | 405-8076-02 | 1        | Post, Enclosure – Inlet – Left Hand   | 77      | 406-1090    | 16       | Spacer, Latch                                                      |
| 24      | 405-8077-02 | 1        | Post, Enclosure – Inlet – Right Hand  | 78      | 526-0113    | 16       | ^ Washer, Flat (5/16)                                              |
| 25      | 405-8078-02 | 2        | Post, Enclosure – Center              | 79      | 406-1089-02 | 16       | * Bracket, Latch                                                   |
| 26      | 406-1075    | 16       | Hinge                                 | 80      | 406-1091-02 | 8        | * Bracket, Latch – Housing                                         |
| 27      | 405-8079-02 | 4        | Door, Enclosure                       | 81      |             |          | Screw, Hex – Flange Head – Thread Forming (#8 x 5/8")              |
| 28      | 405-8080-02 | 4        | Door, Enclosure                       |         | 800-6294    | 82       | Insulated Gensets                                                  |
| 29      | 405-8081-02 | 4        | Panel, Enclosure – Header             |         | 800-6294    | 8        | Non-Insulated Gensets                                              |
| 30      | 405-8633-02 | 4        | Drip, Edge – Enclosure (Not Shown)    | 82      | 821-6003-03 | 14       | Screw, Cap – Hex Head (M8 x 1.25 x 25)                             |
| 31      | 406-0972-03 | 8        | Latch                                 | 83      | 870-0114    | 4        | Nut, Captive – Floating (5/16-18)                                  |
| 32      | 405-9114-02 | 2        | Cover, Enclosure                      | 84      | 853-2012    | 40       | Washer, Lock – W/ET (M12)                                          |
| 33      | 306-3467    | 16       | Rod, Guide                            | 85      | 853-2006    | 32       | * Washer, Lock – W/ET (M6)                                         |
| 34      | 306-4966    | 16       | Rod, Roller                           | 86      | 870-2054    | 16       | * Nut, Lock – Flange (M6 x 1) (Not Shown)                          |
| 35      | 405-8727-01 | 4        | Seal, Door                            | 87      |             |          | Washer, Lock – W/EIT (5/16)                                        |
| 36      | 405-8727-02 | 4        | Seal, Door                            |         | 856-0008    | 28       | Insulated Gensets                                                  |
| 37      | 405-8554-02 | 1        | Panel, Duct – Horizontal Upper        |         | 856-0008    | 20       | Non-Insulated Gensets                                              |
| 38      | 405-8555-02 | 1        | Panel, Duct – Horizontal Lower        | 88      | 405-9020    | 4        | * Bracket, Enclosure – Ground                                      |
| 39      | 405-8556-02 | 2        | Panel, Duct – Vertical                | 89      | 405-9021    | 4        | * Bracket, Enclosure – Ground                                      |
| 40      | 405-7883    | 2        | Gasket, Enclosure                     | 90      | 337-2953    | 8        | * Strap, Bond                                                      |
| 41      | 405-7885-02 | 2        | Cover, Enclosure                      | 91      | 853-0005    | 40       | * Washer, Lock – W/ET (#8)                                         |
| 42      | 405-7882    | 1        | Gasket, Enclosure                     |         |             |          |                                                                    |
| 43      | 405-7884-02 | 1        | Cover, Enclosure                      |         |             |          |                                                                    |
| 44      | 517-0350    | 1        | Plug, Hole                            |         |             |          |                                                                    |
| 45      | 406-0929    | 4        | Clip, Panel                           |         |             |          |                                                                    |
| 46      | 517-0364    | 8        | Plug, Hole – Clip                     |         |             |          |                                                                    |
| 47      | 517-0133    | 8        | Plug, Hole                            |         |             |          |                                                                    |
| 48      | 405-8493    | 7        | * Retainer, Insulation – Roof         |         |             |          |                                                                    |
| 49      | 405-8640    | 4        | * Retainer, Insulation – Door         |         |             |          |                                                                    |
| 50      | 405-8641    | 4        | * Retainer, Insulation – Door         |         |             |          |                                                                    |
| 51      | 405-8642    | 3        | * Retainer, Insulation – Post         |         |             |          |                                                                    |
| 52      | 405-8777    | 1        | * Retainer, Insulation – Post         |         |             |          |                                                                    |
| 53      | 405-8643    | 2        | * Retainer, Insulation – Post         |         |             |          |                                                                    |
| 54      | 405-8644    | 2        | * Retainer, Insulation – Center Post  |         |             |          |                                                                    |

\* – Insulated Gensets

^ – Non-Insulated Gensets

Emergency Stop Switch



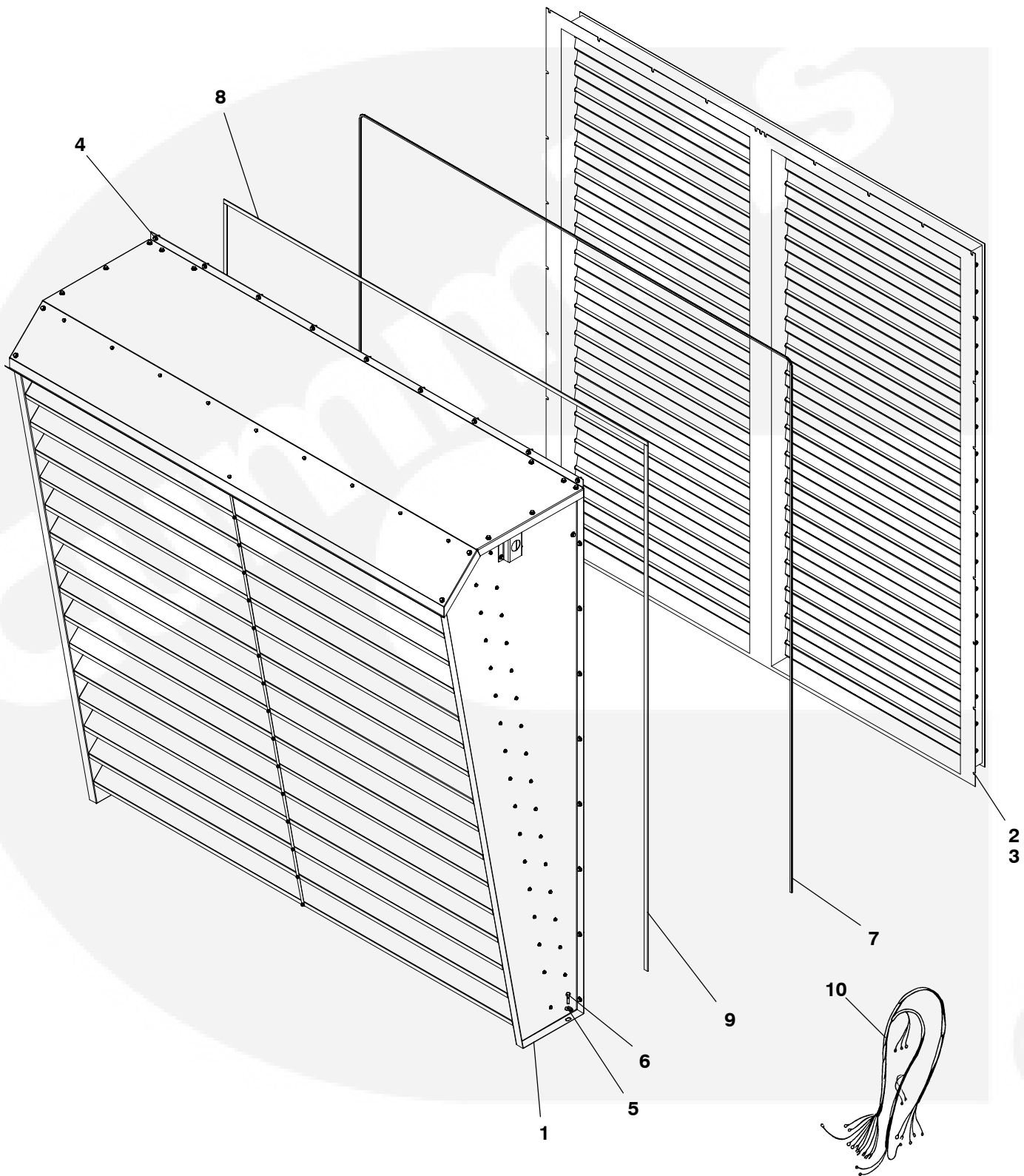
| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION           | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                          |
|---------|-------------|----------|----------------------------|---------|-------------|----------|-----------------------------------------------------------|
| 1       |             |          | Cover, Enclosure - Adapter | 6       | 338-4293    | 1        | Harness, Switch - E-Stop                                  |
|         | 405-7658-02 | 1        | Plug                       | 7       | 815-0918    | 2        | Screw, Machine - Flat Head - Cross Recessed (#6-32 x .62) |
|         | 405-7997    | 1        | Steel                      |         |             |          |                                                           |
| 2       | 818-0231-02 | 4        | Rivet, Pop                 | 8       | 308-0999    | 1        | Switch, Push Button - E-Stop                              |
| 3       | 319-5125    | 1        | Cup, Switch                | 9       | 308-1177    | 1        | Bezel, Switch                                             |
| 4       | 330-0005    | 1        | Box, Handy                 | 10      | 818-0231-06 | 4        | Rivet, Pop                                                |
| 5       | 331-0027    | 1        | Connector, Romex           |         |             |          |                                                           |



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## Inlet Louver

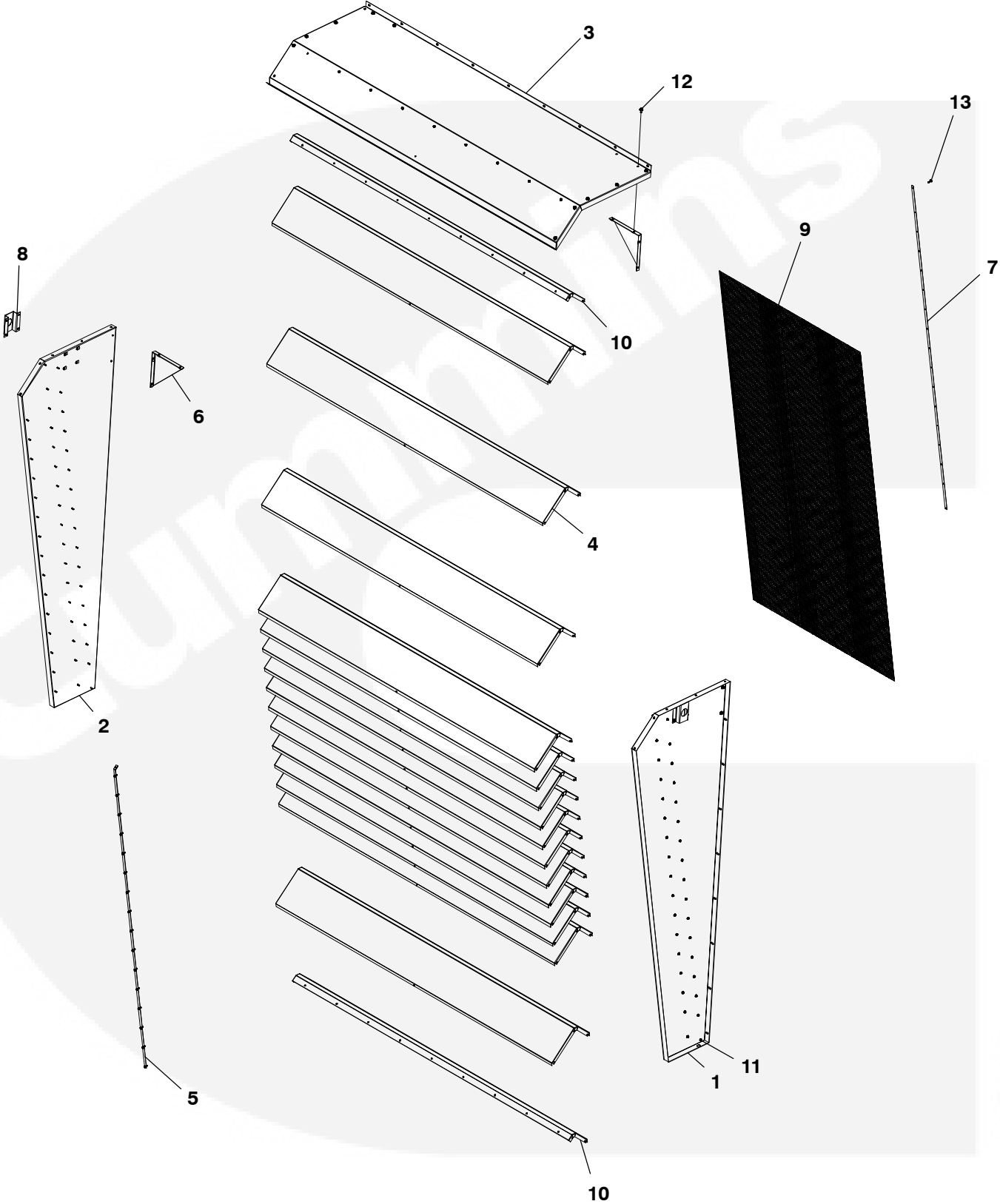


## Inlet Louver

| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                 | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                              |
|---------|-------------|----------|--------------------------------------------------|---------|-------------|----------|---------------------------------------------------------------|
| 1       |             | 1        | Louver, Inlet (See Separate Page for Components) | 7       | 405-6693    | -        | Seal, Enclosure - Bulk (Order by the Foot - 26 Feet Required) |
| 2       | 405-8523-01 | 1        | Louver, Operating Inlet (Spring Open)            | 8       | 405-6460-08 | 1        | Gasket, Door                                                  |
| 3       | 405-8523-02 | 1        | Louver, Operating Inlet (Spring Closed)          | 9       | 405-6460-09 | 2        | Gasket, Door                                                  |
| 4       | 821-6007-02 | 25       | Screw, Hex Head (M8 x 1.25 x 20)                 | 10      | 338-4588-01 | 1        | Harness, Extension - Actuator Spring Open and Spring Closed   |
| 5       | 526-0249-01 | 2        | Washer, Flat (7/16)                              |         | 338-4589    | 1        | Spring Open                                                   |
| 6       | 800-2089    | 2        | Screw, Cap - Hex Head (M10 x 1.5 x 40)           |         |             |          |                                                               |



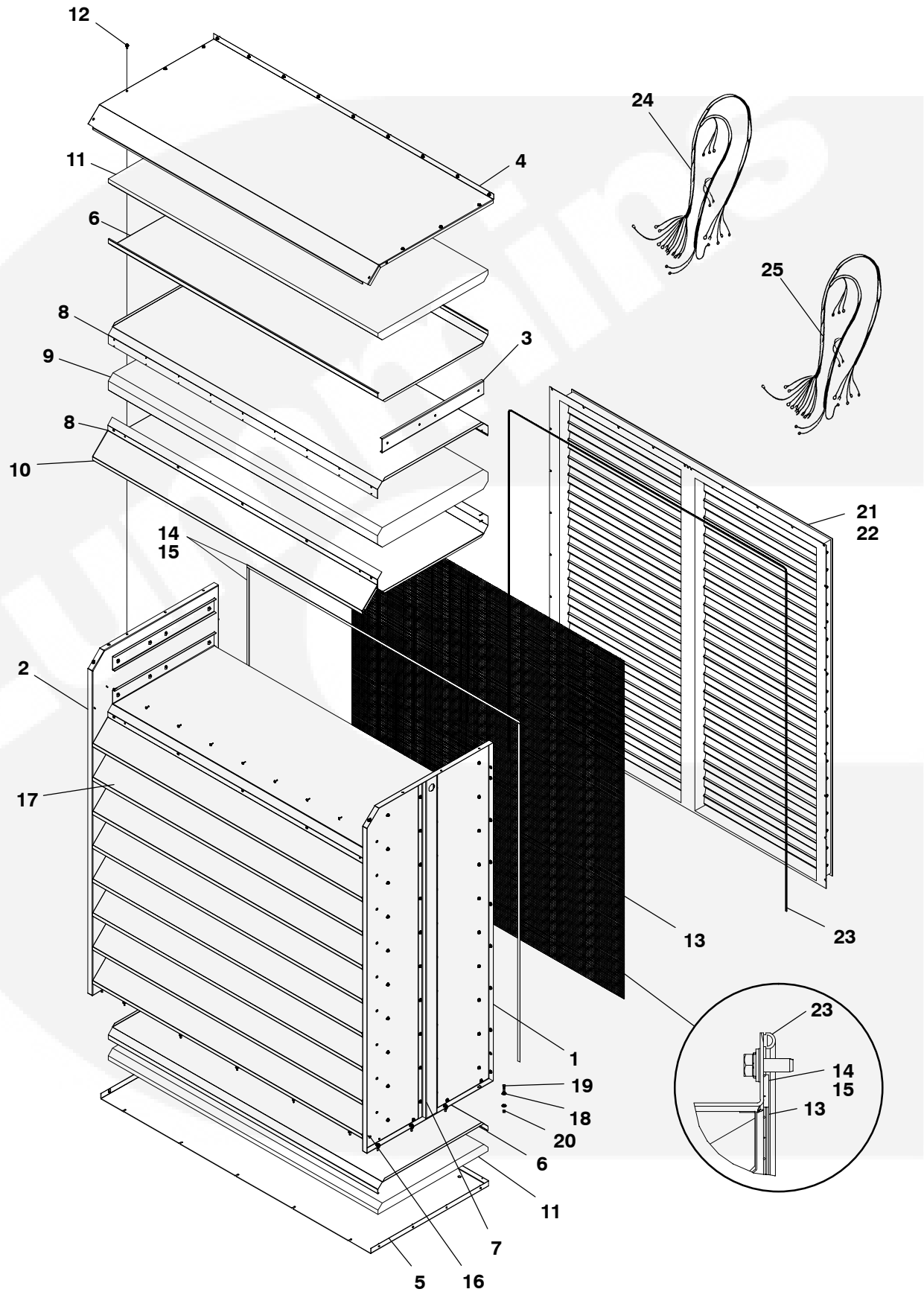
**Inlet Louver Components**



## Inlet Louver Components

| REF<br>NO. | PART<br>NO. | QTY<br>USED | PART<br>DESCRIPTION           | REF<br>NO. | PART<br>NO. | QTY<br>USED | PART<br>DESCRIPTION              |
|------------|-------------|-------------|-------------------------------|------------|-------------|-------------|----------------------------------|
| 1          | 405-8863-02 | 1           | Frame, Louver – Right         | 9          | 405-8639    | 2           | Grill, Enclosure (With Mesh)     |
| 2          | 405-8864-02 | 1           | Frame, Louver – Light         | 10         | 405-8950-02 | 2           | Louver – Filler (With Mesh)      |
| 3          | 405-8865-02 | 1           | Frame, Louver – Top           | 11         | 821-6006-01 | 124         | Screw, Hex Head (M6 x 1.0 x 16)  |
| 4          | 405-8866-02 | 15          | Louver                        | 12         | 821-6007-02 | 26          | Screw, Hex Head (M8 x 1.25 x 20) |
| 5          | 405-8867-02 | 1           | Frame, Louver – Center        | 13         | 406-0929    | 63          | Clip, Panel (With Mesh)          |
| 6          | 405-8945-02 | 2           | Frame, Louver – Gusset        |            |             |             |                                  |
| 7          | 405-8948-02 | 2           | Frame, Louver – Retainer Mesh |            |             |             |                                  |
| 8          | 405-8946-02 | 2           | Frame, Louver – Lifting Eye   |            |             |             |                                  |

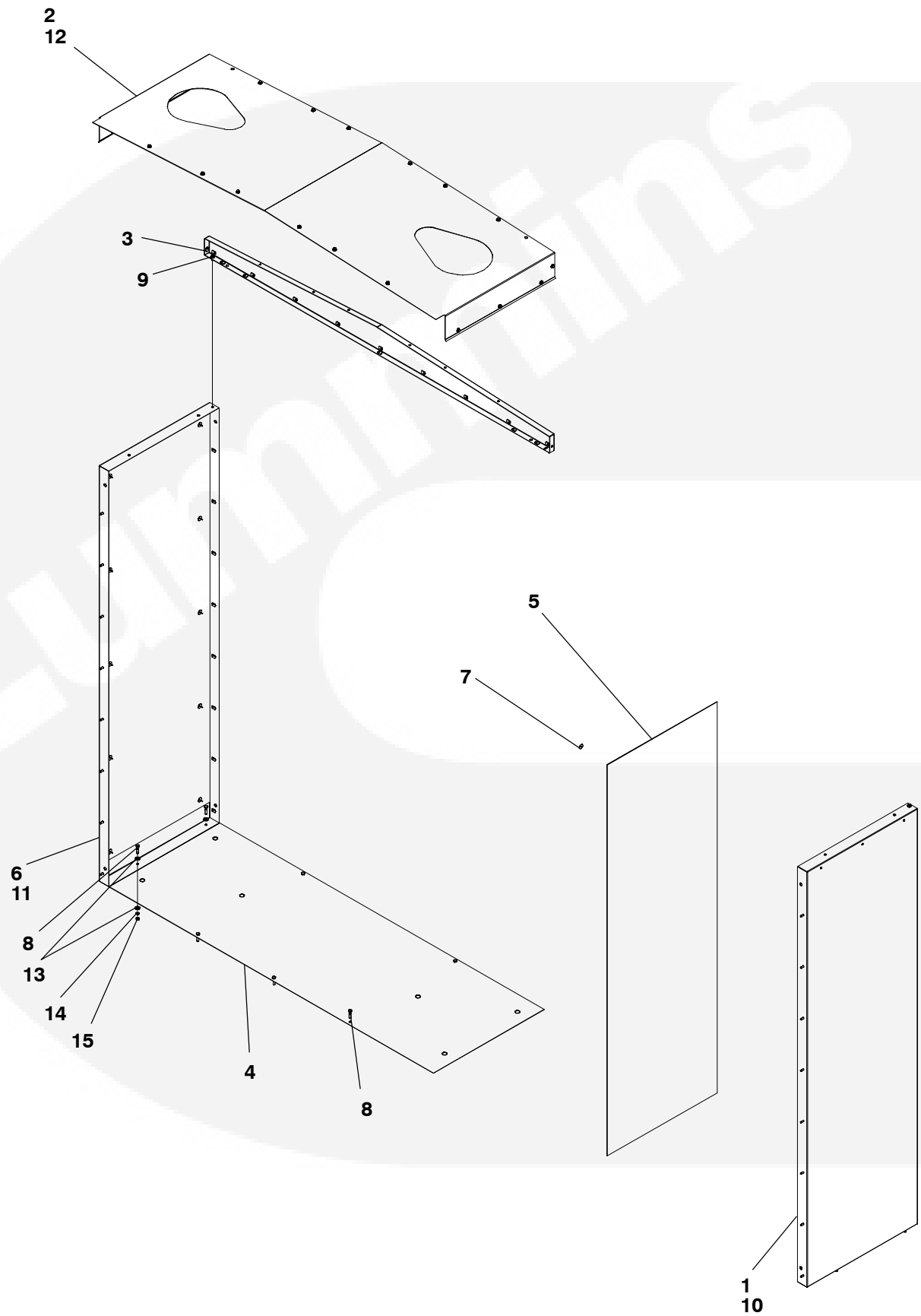
# Louver Level 1 and 2



## Louver Level 1 and 2

| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                   | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                                      |
|---------|-------------|----------|----------------------------------------------------|---------|-------------|----------|-----------------------------------------------------------------------|
| 1       | 405-8617-02 | 1        | Frame, Louver – Right                              | 16      | 818-0231-06 | 40       | Rivet, Pop                                                            |
| 2       | 405-8616-02 | 1        | Frame, Louver – Left                               | 17      | 818-1173-01 | 266      | Rivet, Flange Head – Blind                                            |
| 3       | 405-8563-02 | 1        | Spacer, Panel – Splitter                           | 18      | 526-0249-01 | 16       | Washer, Flat (7/16)                                                   |
| 4       | 405-8551-02 | 1        | Frame, Louver – Top                                | 19      | 800-2089    | 8        | Screw, Cap – Hex Head (M10 x 1.5 x 40)                                |
| 5       | 405-8631-02 | 1        | Frame, Louver – Bottom                             | 20      | 860-2009    | 8        | Nut, Hex (M10 x 1.5)                                                  |
| 6       | 405-8562    | 2        | Retainer, Insulation – Half                        | 21      | 405-8523-01 | 1        | Louver (Operating Inlet) (Spring Open)                                |
| 7       | 405-8552-02 | 2        | Frame, Louver – Lift                               | 22      | 405-8523-02 | 1        | Louver (Operating Inlet) (Spring Closed)                              |
| 8       | 405-8561    | 18       | Retainer, Insulation – Splitter                    | 23      | 895-0414    | –        | Seal, Enclosure (Inlet) – Bulk (Order by the Foot – 26 Feet Required) |
| 9       | 405-8553    | 9        | Insulation, Sound – Splitter                       | 24      | 338-4588-01 | 1        | Harness, Extension – Actuator (Inlet Spring Open or Closed)           |
| 10      | 405-8559-02 | 9        | Louver – Splitter                                  | 25      | 338-4589    | 1        | Harness, Extension – Actuator (Inlet Spring Open)                     |
| 11      | 405-8558    | 2        | Insulation, Sound – Half                           |         |             |          |                                                                       |
| 12      | 821-6007-02 | 126      | Screw, Hex Head – Stainless Steel (M8 x 1.25 x 20) |         |             |          |                                                                       |
| 13      | 405-8639    | 2        | Grill, Enclosure – Mesh (No Operating Louvers)     |         |             |          |                                                                       |
| 14      | 405-6460-08 | 1        | Gasket, Door (No Operating Louvers)                |         |             |          |                                                                       |
| 15      | 405-6460-09 | 2        | Gasket, Door (No Operating Louvers)                |         |             |          |                                                                       |

# Muffler Cover Sound

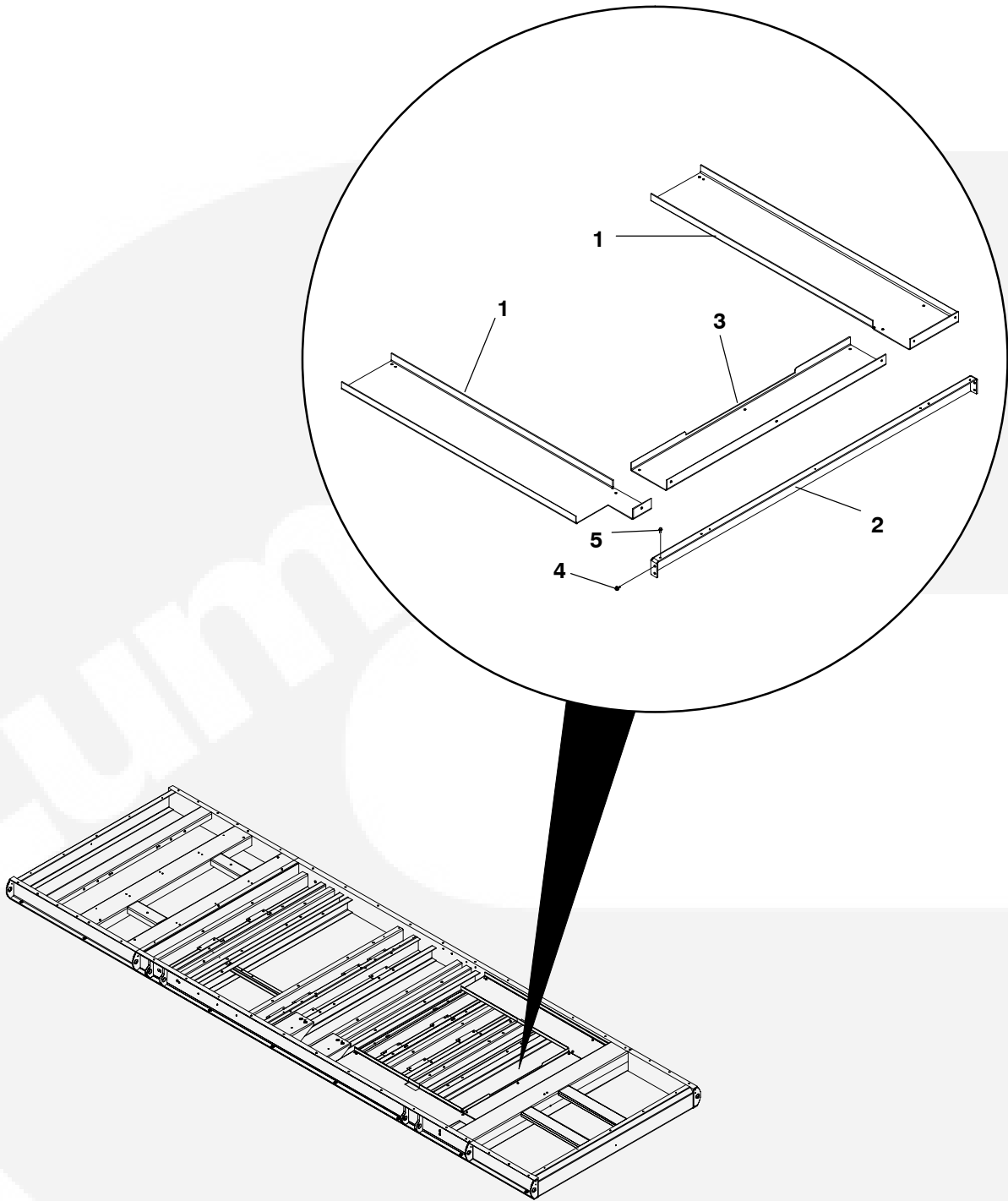




## Muffler Cover Sound

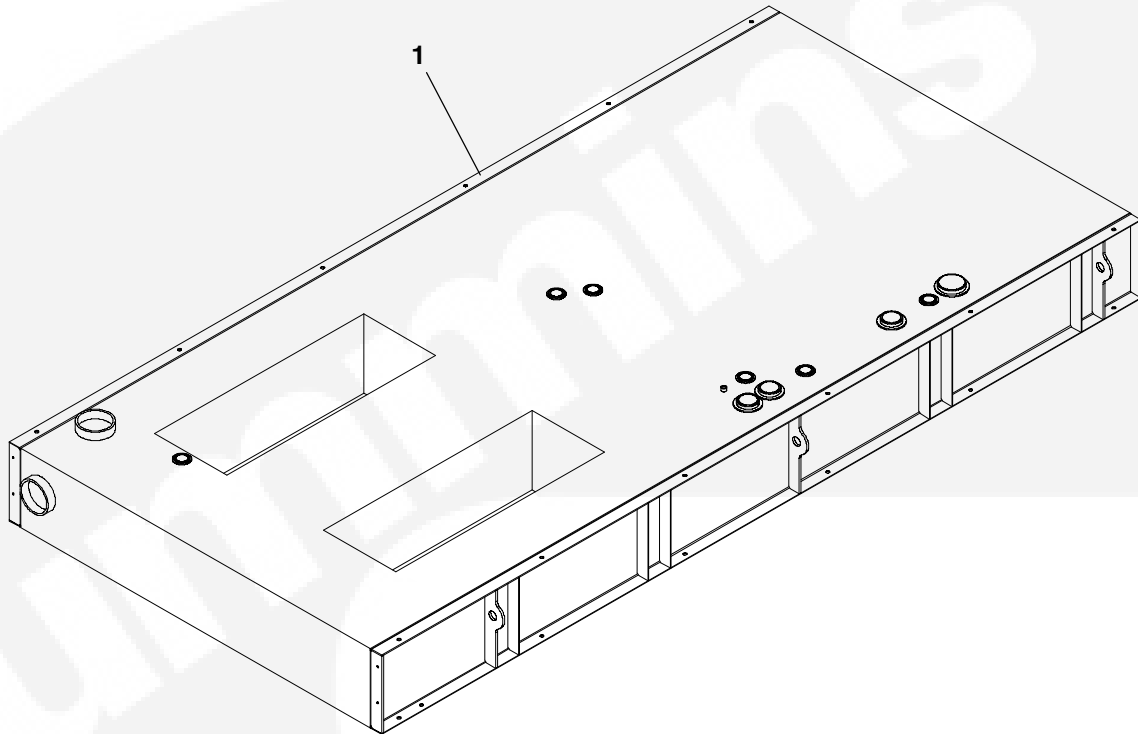
| REF<br>NO. | PART<br>NO. | QTY<br>USED | PART<br>DESCRIPTION                        | REF<br>NO.  | PART<br>NO. | QTY<br>USED | PART<br>DESCRIPTION                        |
|------------|-------------|-------------|--------------------------------------------|-------------|-------------|-------------|--------------------------------------------|
| 1          | 405-8569-02 | 1           | ^ Panel, Duct – Muffler Box                | 10          | 405-8569-04 | 1           | * Panel, Duct – Muffler Box                |
| 2          | 405-8703-02 | 1           | ^ Panel, Roof – Muffler Box –<br>Sound     | 11          | 405-8702-04 | 1           | * Panel, Duct – Muffler Box – Left<br>Hand |
| 3          | 405-8073-02 | 1           | Stiffener, Roof – Truss                    | 12          | 405-8567-02 | 1           | * Panel, Roof – Muffler Box –<br>Weather   |
| 4          | 405-8570-02 | 1           | Panel, Duct – Bottom – Muffler<br>Box      | 13          | 526-0249-01 | 8           | Washer, Flat (7/16)                        |
| 5          | 405-8818    | 2           | ^ Insulator, Duct – Muffler                | 14          | 850-2010    | 4           | Washer, Lock – Split (M10)                 |
| 6          | 405-8702-02 | 1           | ^ Panel, Duct – Muffler Box – Left<br>Hand | 15          | 860-2009    | 4           | Nut, Hex (M10 x 1.5)                       |
| 7          | 518-0581    | 20          | ^ Nut, Push On                             |             |             |             |                                            |
| 8          | 800-2089    | 9           | Screw, Cap – Hex Head (M10 x<br>1.5 x 40)  | * – Level 1 |             |             |                                            |
| 9          | 821-6007-02 | 36          | Screw, Hex Head (M8 x 1.25 x<br>20)        | ^ – Level 2 |             |             |                                            |

Floor Installation



| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION        | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                          |
|---------|-------------|----------|-------------------------|---------|-------------|----------|-------------------------------------------|
| 1       | 405-8742    | 1        | Panel, Access Left Hand | 4       | 821-6007-02 | 4        | Screw, Hex Head (M8 x 1.25 x 20)          |
|         | 405-8743    | 1        | Right Hand              | 5       | 815-0709-01 | 17       | Screw, Hex Head - Flange (M8 x 1.25 x 18) |
| 2       | 405-8741-02 | 1        | Crossmember, Panel      |         |             |          |                                           |
| 3       | 405-8744    | 1        | Panel, Access - Front   |         |             |          |                                           |

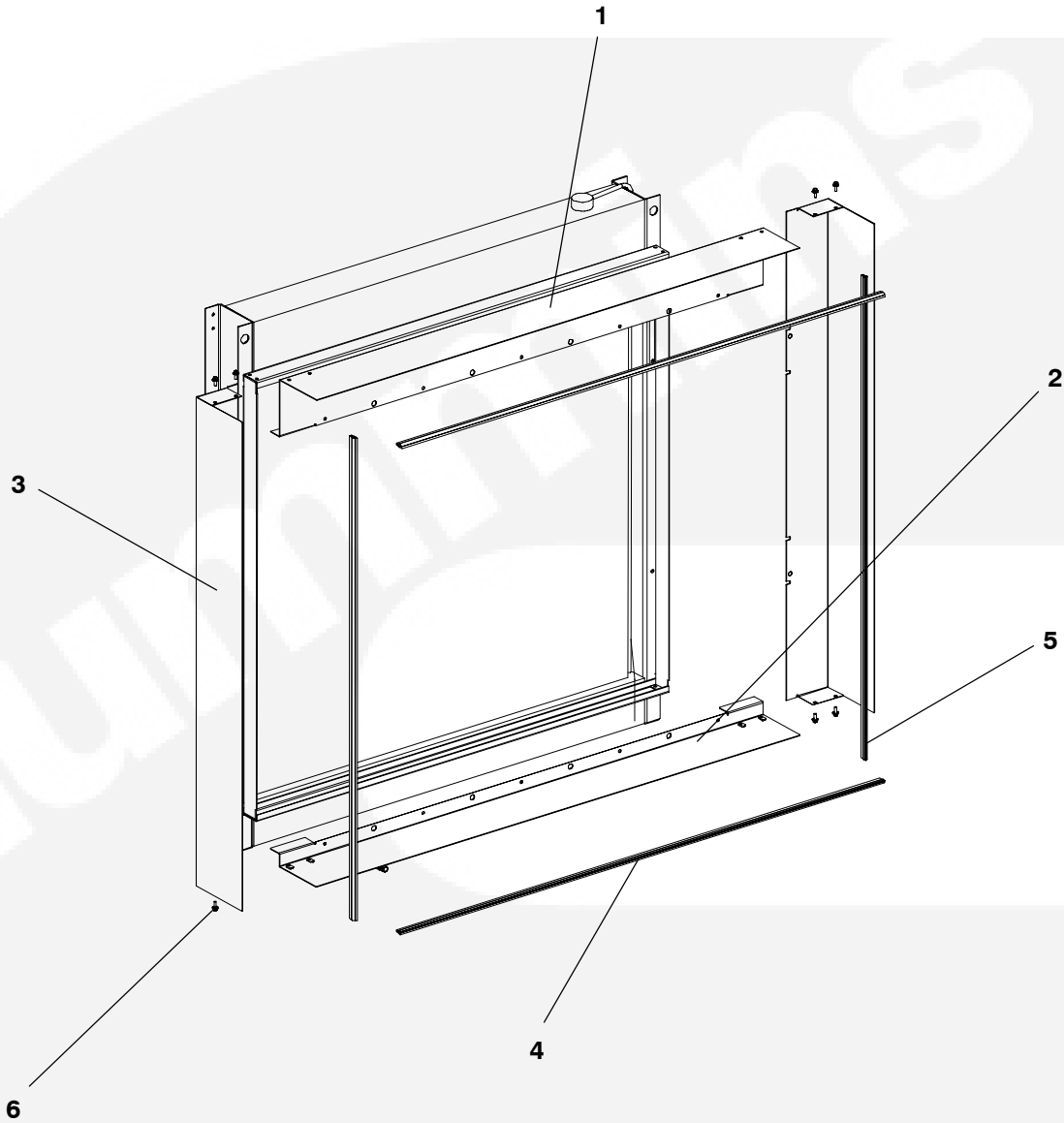
## Fuel Tank



| REF NO. | PART NO. | QTY USED | PART DESCRIPTION | REF NO. | PART NO. | QTY USED | PART DESCRIPTION |
|---------|----------|----------|------------------|---------|----------|----------|------------------|
| 1       |          |          | Tank, Fuel       |         |          |          |                  |
|         | A029Z634 | 1        | 200 Gallon       |         |          |          |                  |
|         | A029Z638 | 1        | 660 Gallon       |         |          |          |                  |
|         | A029Z639 | 1        | 1000 Gallon      |         |          |          |                  |
|         | A029Z640 | 1        | 1500 Gallon      |         |          |          |                  |
|         | A029Z642 | 1        | 2000 Gallon      |         |          |          |                  |
|         | A029Z643 | 1        | 2400 Gallon      |         |          |          |                  |

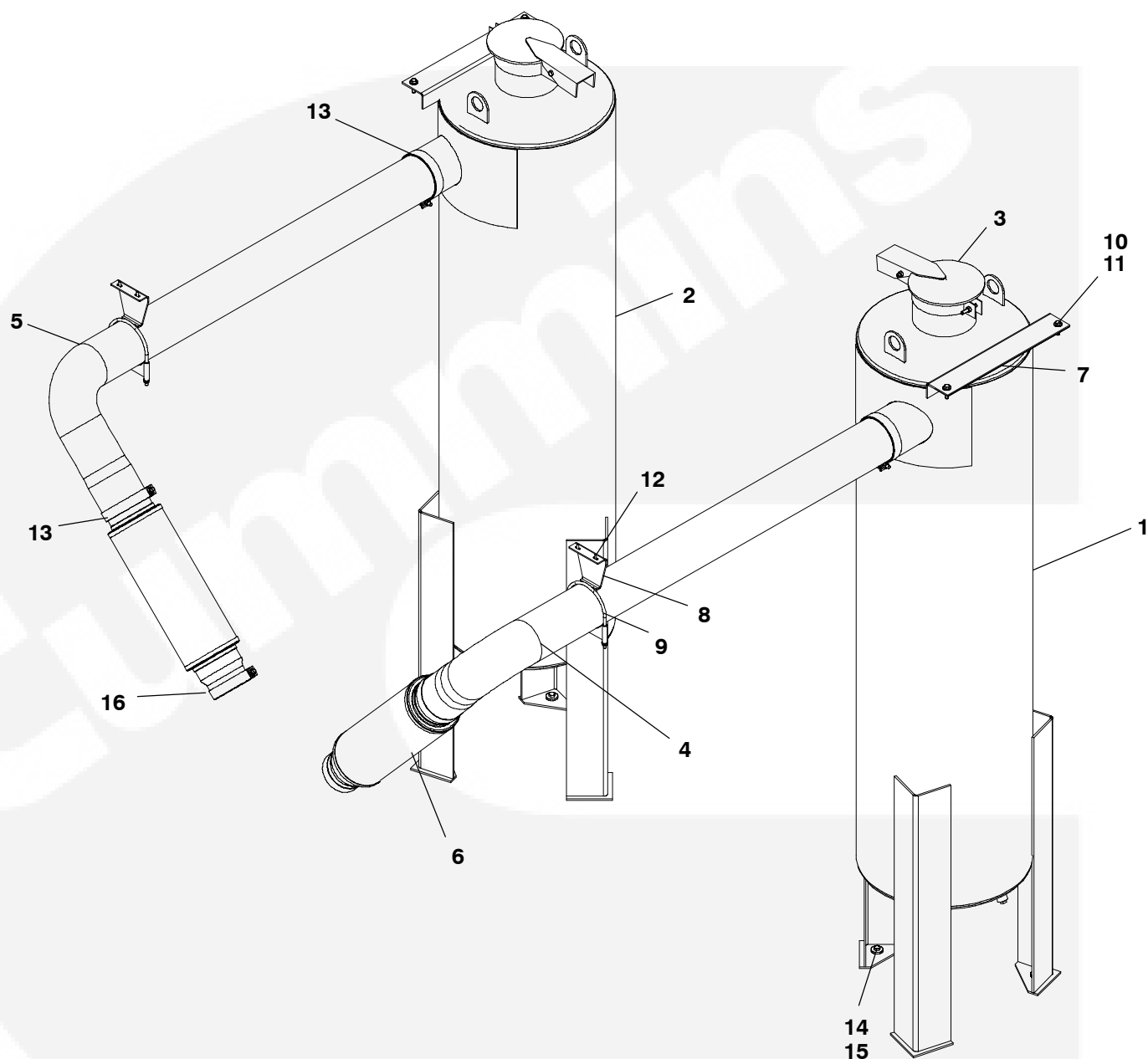


## Air Duct



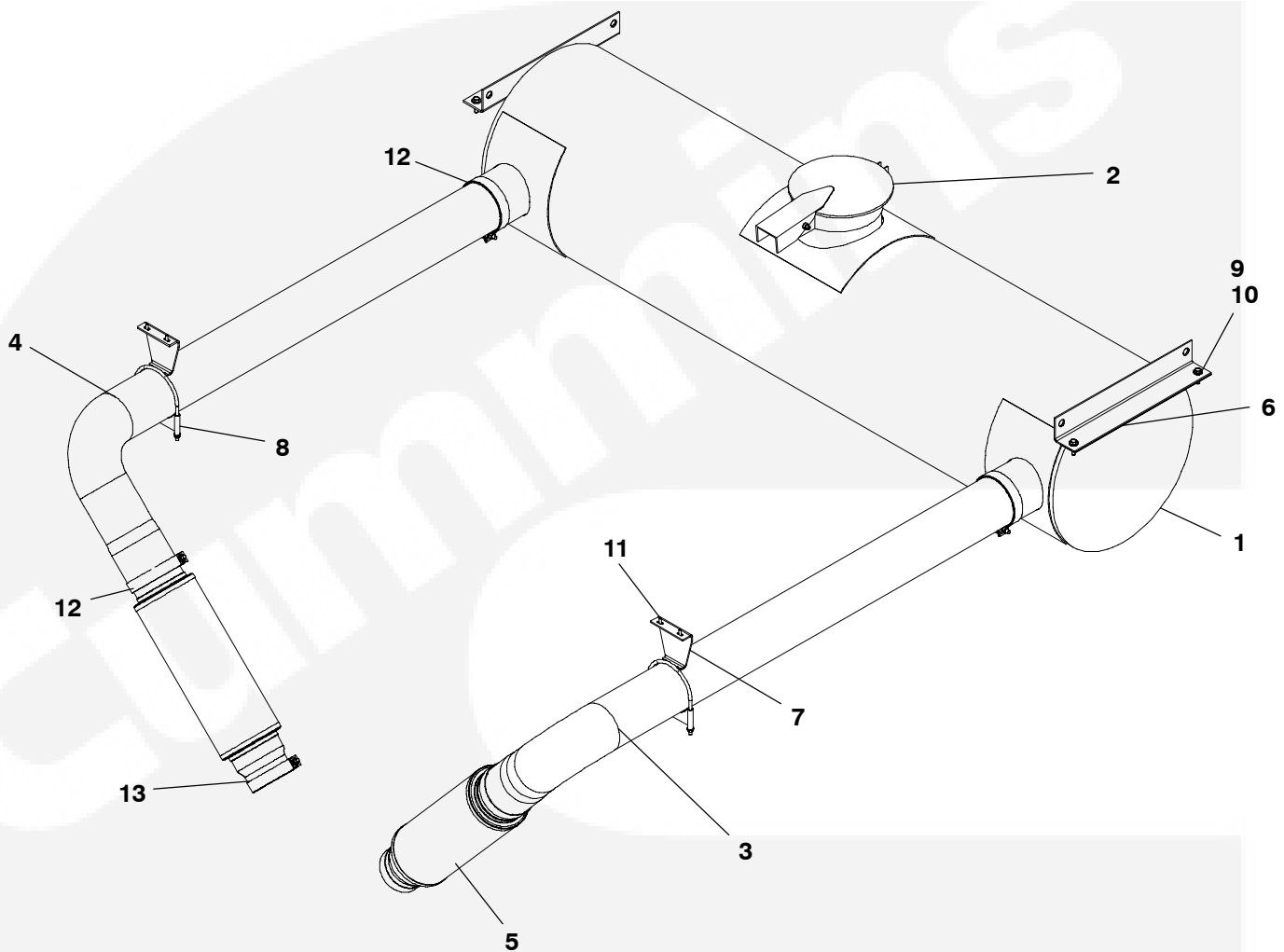
| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION              | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                 |
|---------|-------------|----------|-------------------------------|---------|-------------|----------|----------------------------------|
| 1       | 405-8752-02 | 1        | Duct, Air (Horizontal Top)    | 5       | 130-6307-02 | 2        | Seal, Radiator (Duct)            |
| 2       | 405-8753-02 | 1        | Duct, Air (Horizontal Bottom) | 6       | 821-6003-02 | 8        | Screw, Hex Head (M8 x 1.25 x 20) |
| 3       | 405-8754-02 | 2        | Duct, Air (Vertical)          |         |             |          |                                  |
| 4       | 130-6307-01 | 2        | Seal, Radiator (Duct)         |         |             |          |                                  |

# Exhaust Sound DFGB



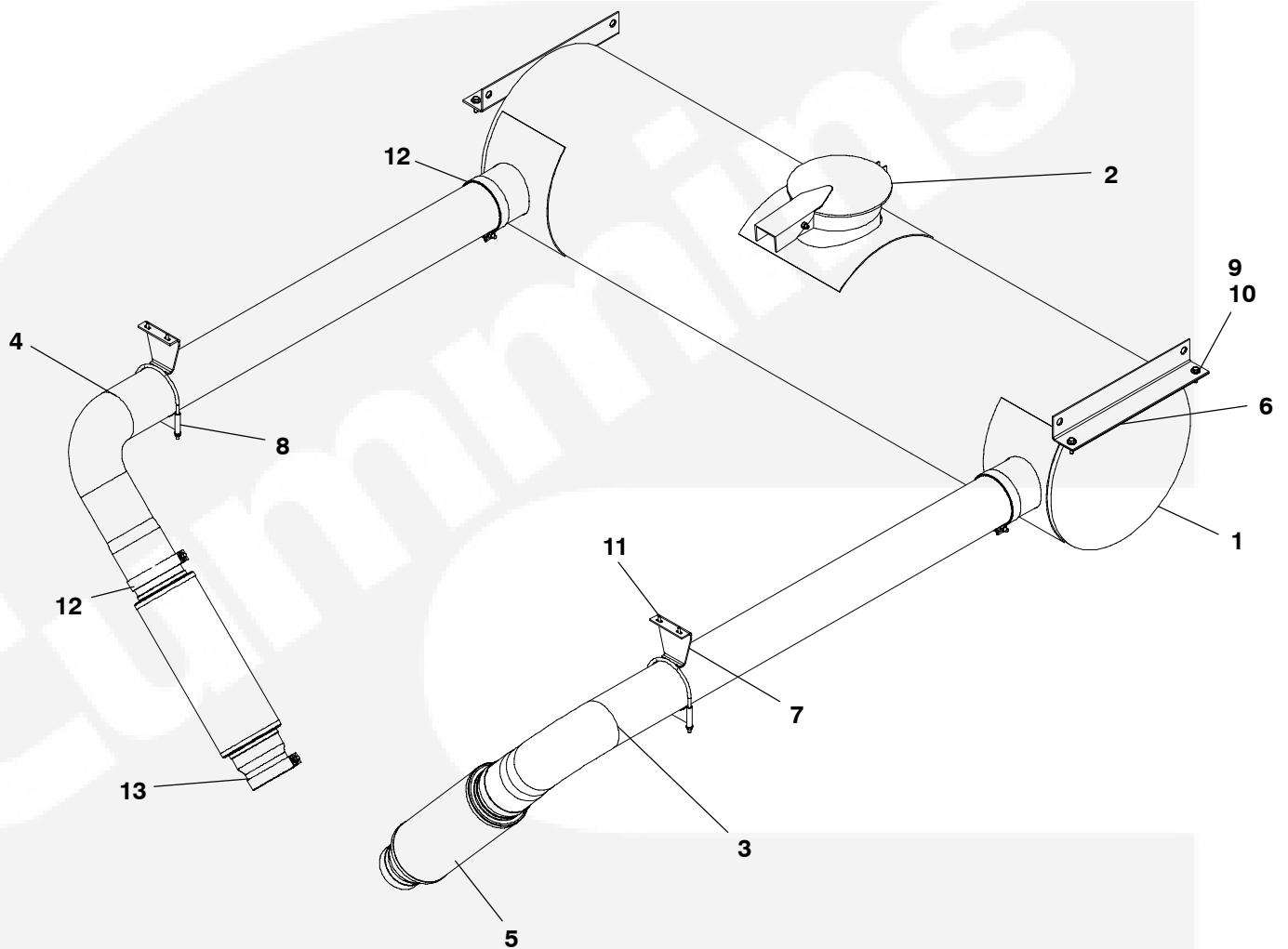
| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION              | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                        |
|---------|-------------|----------|-------------------------------|---------|-------------|----------|-----------------------------------------|
| 1       | 155-4314    | 1        | Muffler (Right Hand, Level 2) | 11      | 800-2089    | 4        | Screw, Cap – Hex Head (M10 x 1.5 x 40)  |
| 2       | 155-4315    | 1        | Muffler (Left Hand, Level 2)  | 12      | 821-5003-03 | 4        | Screw, Hex Head (5/16 x 18 x .75)       |
| 3       | 155-4415-02 | 2        | Cap, Rain                     | 13      | 155-4414-01 | 4        | Clamp, Exhaust                          |
| 4       | 155-4396-04 | 1        | Pipe, Exhaust                 | 14      | 526-0128    | 6        | Washer, Flat (M12)                      |
| 5       | 155-4396-06 | 1        | Pipe, Exhaust                 | 15      | 800-2114    | 6        | Screw, Cap – Hex Head (M12 x 1.75 x 40) |
| 6       | 155-4317-01 | 2        | Pipe, Exhaust                 | 16      | 155-4414-02 | 2        | Clamp, Exhaust                          |
| 7       | 155-4382    | 2        | Gasket, Muffler               |         |             |          |                                         |
| 8       | 155-4412-02 | 2        | Hanger, Exhaust               |         |             |          |                                         |
| 9       | 155-3543    | 2        | Clamp, Exhaust                |         |             |          |                                         |
| 10      | 526-0249-01 | 4        | Washer, Flat (7/16)           |         |             |          |                                         |

# Exhaust Weather DFGB



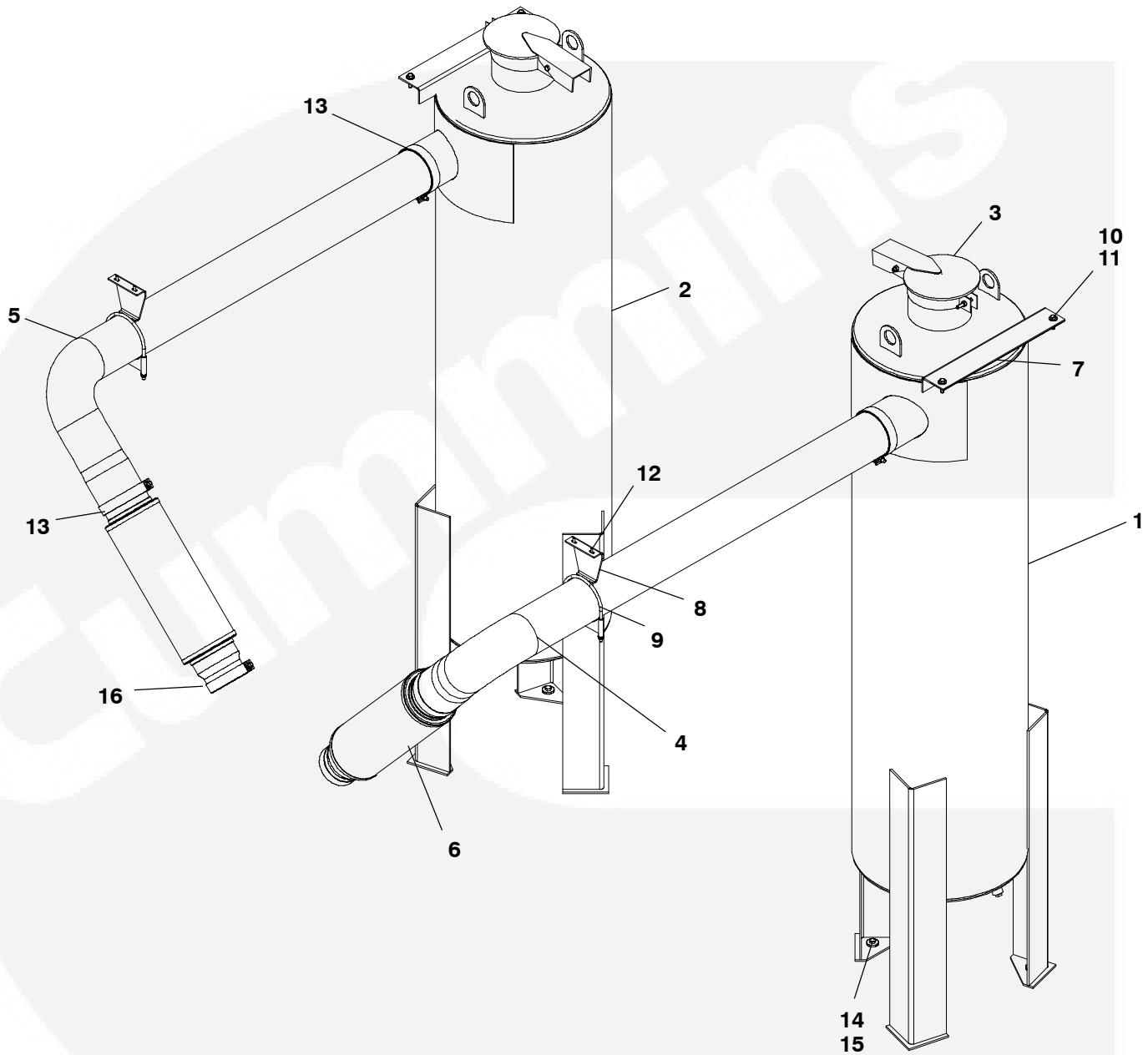
| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION              | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                       |
|---------|-------------|----------|-------------------------------|---------|-------------|----------|----------------------------------------|
| 1       | 155-4313    | 1        | Muffler (Weather and Level 1) | 9       | 526-0249-01 | 4        | Washer, Flat (7/16)                    |
| 2       | 155-4415-01 | 1        | Cap, Rain                     | 10      | 800-2089    | 4        | Screw, Cap – Hex Head (M10 x 1.5 x 40) |
| 3       | 155-4396-04 | 1        | Pipe, Exhaust                 | 11      | 821-5003-03 | 4        | Screw, Hex Head (5/16 x 18 x .75)      |
| 4       | 155-4396-06 | 1        | Pipe, Exhaust                 | 12      | 155-4414-01 | 4        | Clamp, Exhaust                         |
| 5       | 155-4317-01 | 2        | Pipe, Exhaust                 | 13      | 155-4414-02 | 2        | Clamp, Exhaust                         |
| 6       | 155-4382    | 2        | Gasket, Muffler               |         |             |          |                                        |
| 7       | 155-4412-02 | 2        | Hanger, Exhaust               |         |             |          |                                        |
| 8       | 155-3543    | 2        | Clamp, Exhaust                |         |             |          |                                        |

# Exhaust Weather DFGE



| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION              | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                       |
|---------|-------------|----------|-------------------------------|---------|-------------|----------|----------------------------------------|
| 1       | 155-4313    | 1        | Muffler (Weather and Level 1) | 9       | 526-0249-01 | 4        | Washer, Flat (7/16)                    |
| 2       | 155-4415-01 | 1        | Cap, Rain                     | 10      | 800-2089    | 4        | Screw, Cap - Hex Head (M10 x 1.5 x 40) |
| 3       | 155-4396-03 | 1        | Pipe, Exhaust                 | 11      | 821-5003-03 | 4        | Screw, Hex Head (5/16 x 18 x .75)      |
| 4       | 155-4396-04 | 1        | Pipe, Exhaust                 | 12      | 155-4414-01 | 4        | Clamp, Exhaust                         |
| 5       | 155-4317-01 | 2        | Pipe, Exhaust                 | 13      | 155-4414-02 | 2        | Clamp, Exhaust                         |
| 6       | 155-4382    | 2        | Gasket, Muffler               |         |             |          |                                        |
| 7       | 155-4412-02 | 2        | Hanger, Exhaust               |         |             |          |                                        |
| 8       | 155-3543    | 2        | Clamp, Exhaust                |         |             |          |                                        |

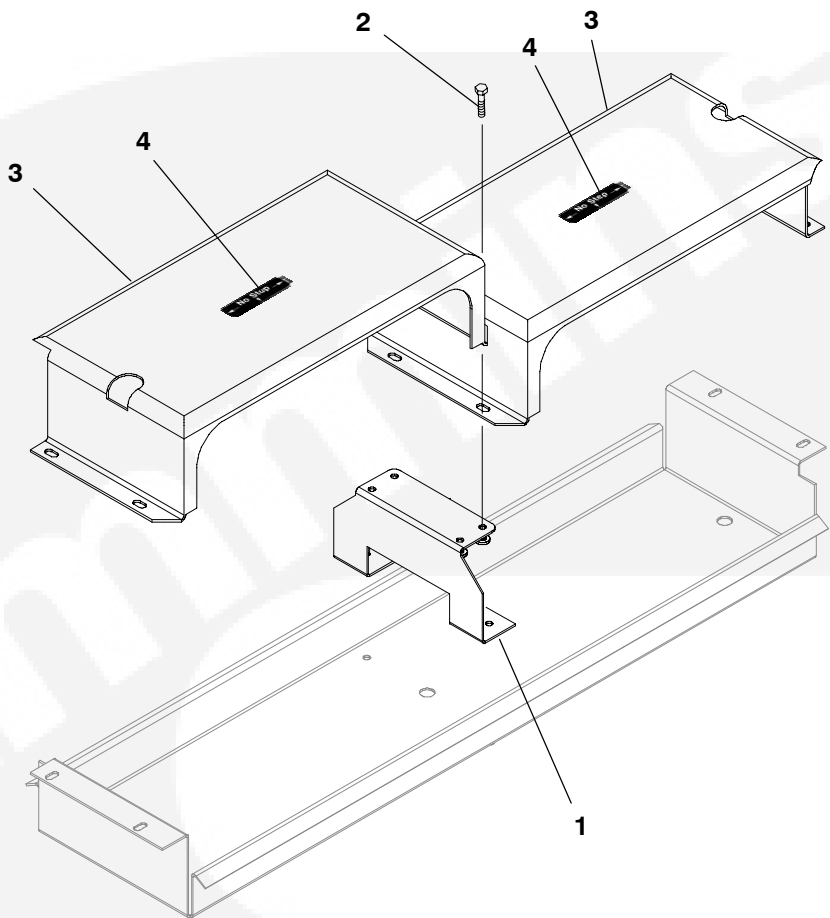
# Exhaust Sound DFGE



| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION              | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                        |
|---------|-------------|----------|-------------------------------|---------|-------------|----------|-----------------------------------------|
| 1       | 155-4314    | 1        | Muffler (Right Hand, Level 2) | 11      | 800-2089    | 4        | Screw, Cap – Hex Head (M10 x 1.5 x 40)  |
| 2       | 155-4315    | 1        | Muffler (Left Hand, Level 2)  | 12      | 821-5003-03 | 4        | Screw, Hex Head (5/16 x 18 x .75)       |
| 3       | 155-4415-02 | 2        | Cap, Rain                     | 13      | 155-4414-01 | 4        | Clamp, Exhaust                          |
| 4       | 155-4396-03 | 1        | Pipe, Exhaust                 | 14      | 526-0128    | 6        | Washer, Flat (M12)                      |
| 5       | 155-4396-04 | 1        | Pipe, Exhaust                 | 15      | 800-2114    | 6        | Screw, Cap – Hex Head (M12 x 1.75 x 40) |
| 6       | 155-4317-01 | 2        | Pipe, Exhaust                 | 16      | 155-4414-02 | 2        | Clamp, Exhaust                          |
| 7       | 155-4382    | 2        | Gasket, Muffler               |         |             |          |                                         |
| 8       | 155-4412-02 | 2        | Hanger, Exhaust               |         |             |          |                                         |
| 9       | 155-3543    | 2        | Clamp, Exhaust                |         |             |          |                                         |
| 10      | 526-0249-01 | 4        | Washer, Flat (7/16)           |         |             |          |                                         |

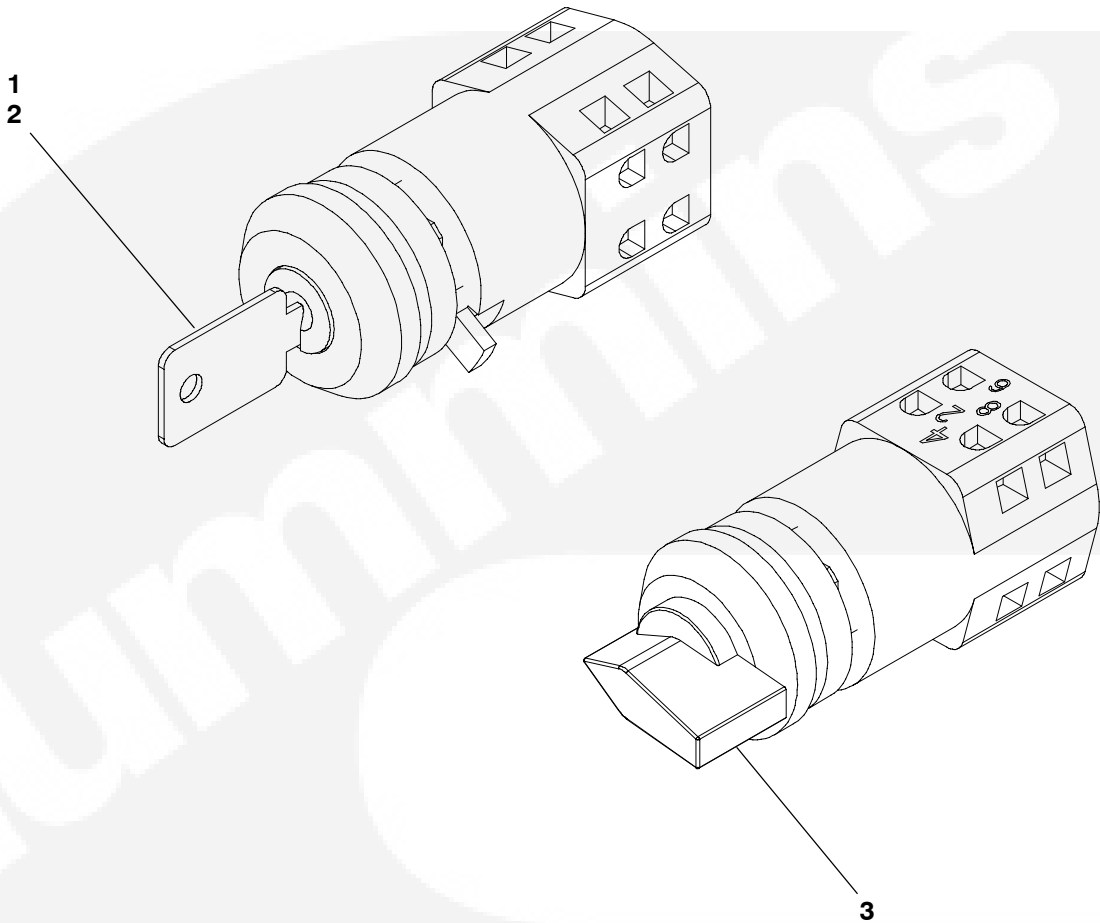


Battery Cover



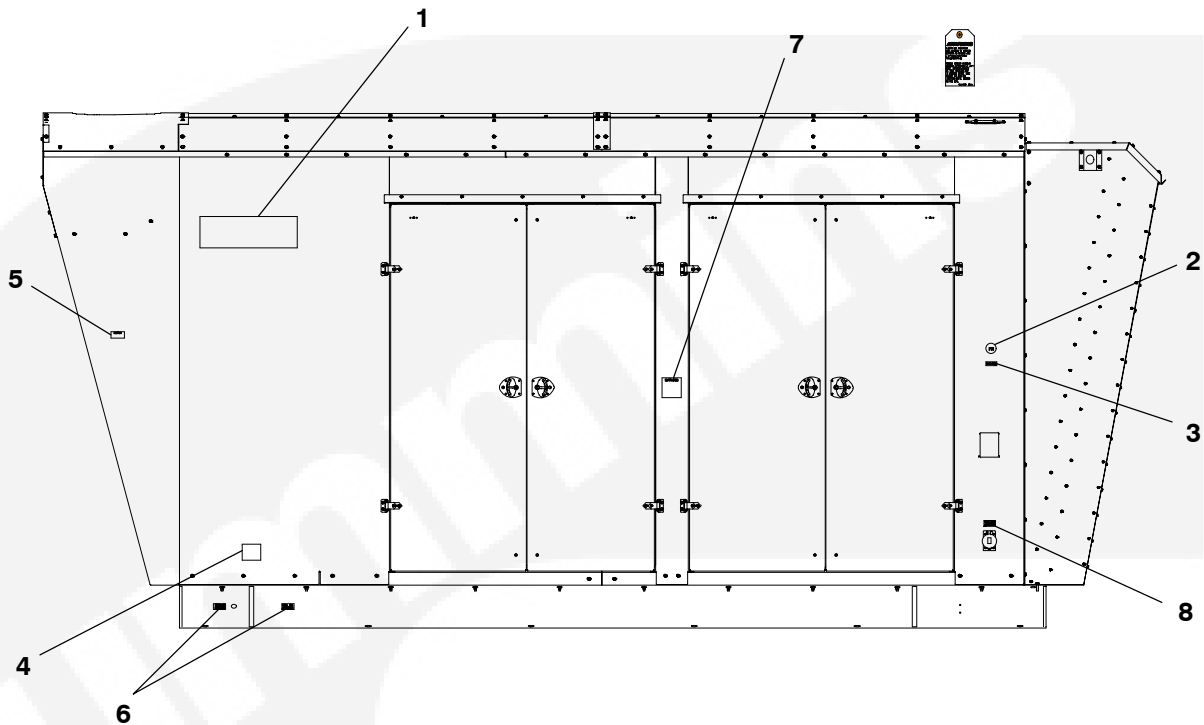
| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                 | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION    |
|---------|-------------|----------|----------------------------------|---------|-------------|----------|---------------------|
| 1       | 416-1085-02 | 1        | Bracket, Cover                   | 3       | 416-1068-01 | 2        | Cover, Battery Tray |
| 2       | 821-6003-01 | 6        | Screw, Hex Head (M8 x 1.25 x 16) | 4       | 098-5338    | 2        | Label, No Step      |

Operator Switch



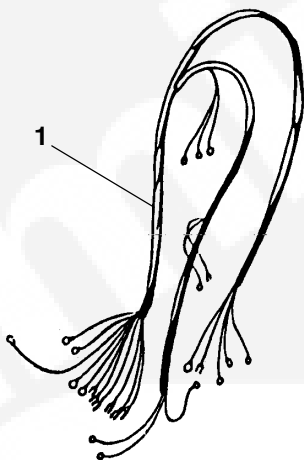
| REF NO. | PART NO. | QTY USED | PART DESCRIPTION     | REF NO. | PART NO. | QTY USED | PART DESCRIPTION |
|---------|----------|----------|----------------------|---------|----------|----------|------------------|
| 1       | 308-1045 | 1        | Switch, Key Operator | 3       | 308-1085 | 1        | Switch, Selector |
| 2       | 308-1046 | 2        | Key - Spare          |         |          |          |                  |

## Miscellaneous Labels



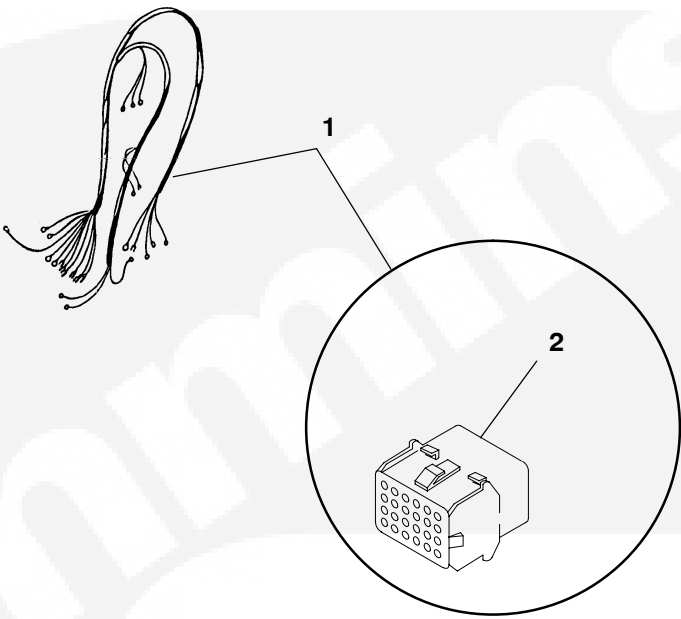
| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION         | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                    |
|---------|-------------|----------|--------------------------|---------|-------------|----------|-------------------------------------|
| 1       |             |          | Label, Logo              |         | 098-7451-01 | 4        | Quiet Site Enclosure                |
|         | 098-7902-06 | 2        | Weather Enclosure        | 6       | 098-8194    | 2        | Label, Information (Crankcase Vent) |
|         | 098-7913-02 | 2        | Quiet Site Enclosure     | 7       | 098-4732    | 2        | Label, Warning                      |
| 2       | 098-4500    | 1        | Decal                    | 8       | 098-8185    | A/R      | Label, Information (120V/20A/GFCI)  |
| 3       | 098-7868    | 1        | Label, Enclosure         |         |             |          |                                     |
| 4       | 098-8389    | 2        | Label, Warning (Rigging) |         |             |          |                                     |
| 5       |             |          | Label, Caution           |         |             |          |                                     |
|         | 098-7451-01 | 2        | Weather Enclosure        |         |             |          |                                     |

Wiring Harness  
Extension



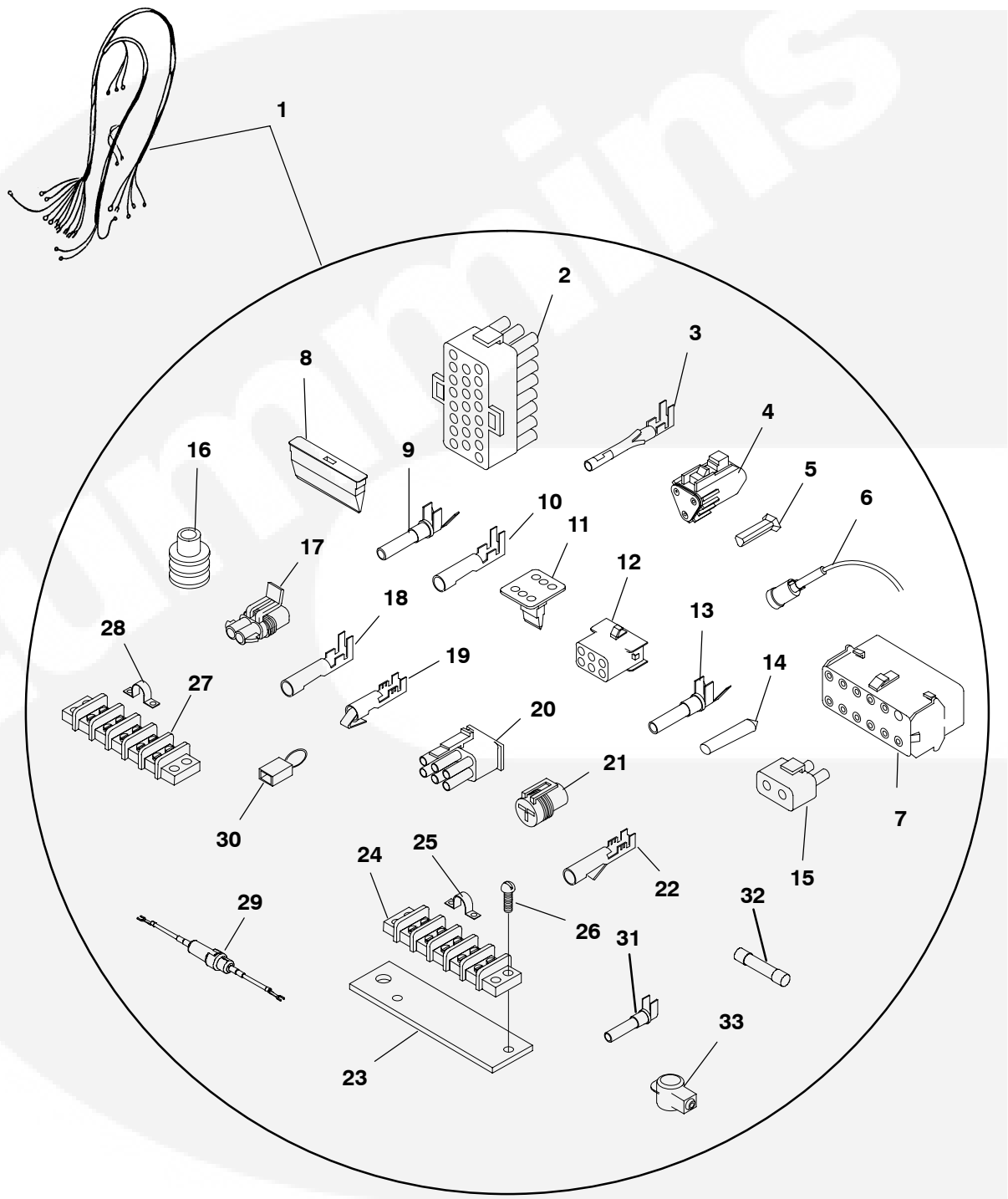
| REF<br>NO. | PART<br>NO. | QTY<br>USED | PART<br>DESCRIPTION         | REF<br>NO. | PART<br>NO. | QTY<br>USED | PART<br>DESCRIPTION |
|------------|-------------|-------------|-----------------------------|------------|-------------|-------------|---------------------|
| 1          | 338-4579    | 1           | Harness, Wiring – Extension |            |             |             |                     |

AC Wiring Harness



| REF NO. | PART NO. | QTY USED | PART DESCRIPTION                         | REF NO. | PART NO. | QTY USED | PART DESCRIPTION           |
|---------|----------|----------|------------------------------------------|---------|----------|----------|----------------------------|
| 1       | 338-4186 |          | Harness, Wiring – PMG<br>(Includes Plug) | 2       | 323-1523 | 1        | Plug, Connector (24 Place) |

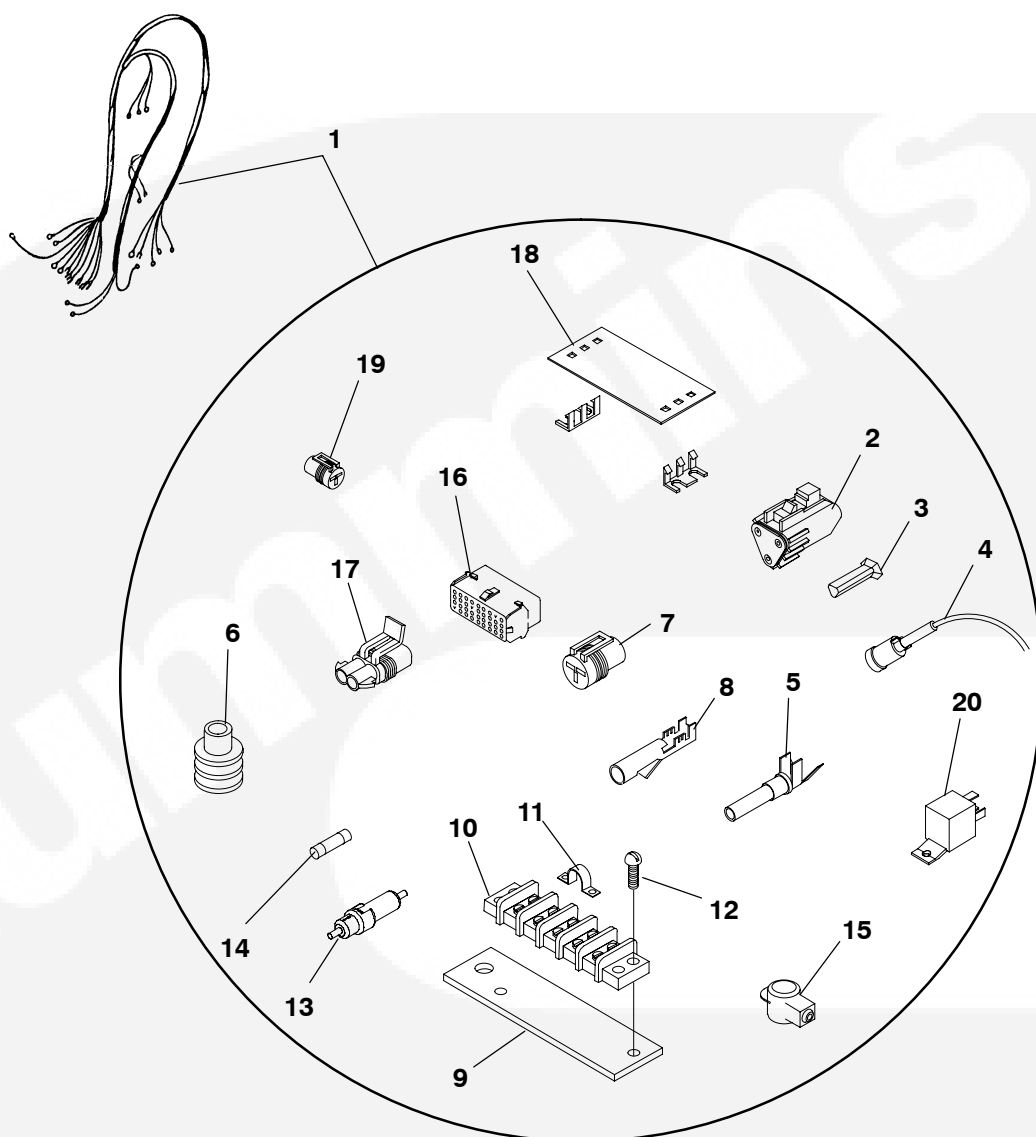
# **Wiring Harness Engine to Control PCC3100**



# **Wiring Harness Engine to Control PCC3100**

| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                                            | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                                              |
|---------|-------------|----------|-----------------------------------------------------------------------------|---------|-------------|----------|-------------------------------------------------------------------------------|
| 1       | 338-3352-02 | 1        | Harness, Wiring – Engine To                                                 | 21      | 323-1666    | 1        | Socket, Connector (3 Place)                                                   |
| 2       |             |          | Plug, Connector (23 Place)                                                  |         |             |          | (E1)                                                                          |
|         | 323-1605-03 | 1        | Colored Grey (P5)                                                           | 22      | 323-1667    | A/R      | Socket, Contact (Used In E1)                                                  |
|         | 323-1605-02 | 2        | Colored Natural (P4, P6)                                                    | 23      |             |          | Bracket, Mounting – Terminal                                                  |
| 3       | 323-1614-01 | A/R      | Socket, Contact (Used In P4, P5, P6)                                        |         | 319-2006-01 | 1        | Marked "26" (T26)                                                             |
|         |             |          |                                                                             |         | 319-2006-02 | 1        | Marked "GND" (GND-ENG)                                                        |
| 4       | 323-1493    | 1        | Plug, Connector (3 Place) (P3)                                              | 24      | 332-0604    | 2        | Block, Terminal (5 Place)                                                     |
| 5       | 323-1503    | 1        | Wedge (Used In P3)                                                          | 25      | 332-1043    | 8        | Jumper                                                                        |
| 6       | 338-2592-03 | 1        | Cable, Magnetic Pickup (115") (Includes Indented Sockets Listed Below) (P1) | 26      | 815-0538    | 4        | Screw, Machine – Round Head – Cross Recessed W/IT # (8-32 x 1/2")             |
|         | 323-1614-01 | 3        | Socket, Contact                                                             | 27      | 332-0604    | 1        | Block, Terminal (5 Place) (TB-BAT)                                            |
| 7       | 323-1580    | 1        | Housing, Connector (12 Place) (J12)                                         | 28      | 332-1043    | 3        | Jumper (Used On TB-BAT)                                                       |
| 8       | 323-1581    | 1        | Wedge (Used In J12)                                                         | 29      | 321-0370    | 1        | Holder Assembly, Fuse (Used On TB-BAT) (Includes Indented Parts Listed Below) |
| 9       | 323-1491    | A/R      | Pin, Contact (Used In J12)                                                  |         | 321-0371    | 1        | Holder, Fuse                                                                  |
| 10      | 323-1648    | A/R      | Socket, Contact (Used In P10)                                               |         | 321-0372-07 | 1        | Fuse – 20 Amp                                                                 |
| 11      | 323-1624    | 1        | Wedge (Used In P7)                                                          |         |             |          |                                                                               |
| 12      | 323-1623    | 1        | Plug, Connector (6 Place) (P7)                                              | 30      | 338-3285    | 2        | Harness Assembly, Jumper (Includes Parts Indented Below) (Used on E6, E7)     |
| 13      | 323-1492    | A/R      | Socket, Contact                                                             |         | 323-1652    | 2        | Socket, Connector (2 Place)                                                   |
| 14      | 323-1615    | 9        | Plug (Used On P4, P5, P6)                                                   |         | 323-1445    | 4        | Seal                                                                          |
| 15      | 323-1637    | 2        | Socket, Connector (2 Place) (E6, E7)                                        |         | 323-1718    | 4        | Pin, Contact                                                                  |
| 16      | 323-1445    | A/R      | Seal (Used On E2, E3, E4, E6, E7)                                           | 31      | 332-3496    | A/R      | Pin, Terminal (#10-12)                                                        |
| 17      | 323-1540    | 3        | Socket, Connector (2 Place) (E2, E3, E4)                                    | 32      | 321-0372-07 | 1        | Fuse – 20 Amp                                                                 |
| 18      | 323-1444    | A/R      | Socket, Contact (Used In E6, E7)                                            | 33      | 416-1021-03 | 2        | Boot                                                                          |
| 19      | 332-3096-01 | A/R      | Socket, Contact (Used In E2, E3, E4)                                        |         |             |          |                                                                               |
| 20      | 323-1643-01 | 1        | Plug, Connector (6 Place) (P10)                                             |         |             |          |                                                                               |

# **Wiring Harness Engine to Control PCC2100**



| REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                                  | REF NO. | PART NO.    | QTY USED | PART DESCRIPTION                                                   |
|---------|-------------|----------|-------------------------------------------------------------------|---------|-------------|----------|--------------------------------------------------------------------|
| 1       | 338-4234    | 1        | Harness, Wiring – Engine to Control (Includes Parts Listed Below) | 12      | 815-0538    | 2        | Screw, Machine – Round Head – Cross Recessed – W/IT (#8-32 x 1/2") |
| 2       | 323-1493    | 1        | Plug, Connector (3 Place)                                         | 13      | 321-0371    | 1        | Holder, Fuse                                                       |
| 3       | 323-1503    | 1        | Wedge, Plug                                                       | 14      | 321-0372-01 | 1        | Fuse – 3 Amp                                                       |
| 4       | 338-2592-03 | 1        | Cable, Magnetic Pickup                                            | 15      | 416-1021-03 | 2        | Boot                                                               |
| 5       | 323-1492    | 3        | Socket, Contact                                                   | 16      | 323-1525    | 1        | Connector – 36 Pin                                                 |
| 6       | 323-1708    | 4        | Seal, Cable                                                       | 17      | 323-1755    | 2        | Connector, Socket – Housing                                        |
| 7       | 323-1666    | 1        | Socket, Connector (3 Place)                                       | 18      | 332-3792-01 | 1        | Cover, Terminal Block (Includes Spring Clips)                      |
| 8       | 323-1667    | 3        | Socket, Contact                                                   | 19      | 323-1765    | 1        | Housing, Connector – 4 Pin                                         |
| 9       | 319-2006-05 | 1        | Bracket, Mounting – Terminal                                      | 20      | 307-2817-02 | 1        | Relay – 24V                                                        |
| 10      | 332-0604    | 1        | Block, Terminal (5 Place)                                         |         |             |          |                                                                    |
| 11      | 332-1043    | 4        | Jumper                                                            |         |             |          |                                                                    |



# 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> |
|-----------------------------------------------------|-------------|-----------------------------|-------------|-----------------------------|-------------|----------------------------------------|-------------|
| 091-0002, <b>67, 73, 79</b>                         |             | 098-8120, <b>86</b>         |             | 130-3842, <b>21, 25, 26</b> |             | 140-2606-01, <b>8, 9, 10</b>           |             |
| 098-2235-02, <b>17</b>                              |             | 098-8144, <b>81</b>         |             | 130-3843, <b>21, 25, 26</b> |             | 140-2606-02, <b>8, 9, 10</b>           |             |
| 098-2304, <b>79</b>                                 |             | 098-8149, <b>81</b>         |             | 130-3844, <b>21, 25, 26</b> |             | 140-2607-03, <b>9</b>                  |             |
| 098-4500, <b>113</b>                                |             | 098-8169, <b>81</b>         |             | 130-3845, <b>21, 25, 26</b> |             | 140-3288-02, <b>8, 10</b>              |             |
| 098-4732, <b>113</b>                                |             | 098-8185, <b>90, 113</b>    |             | 130-3846, <b>21, 26</b>     |             | 140-3349-02, <b>8, 9, 10</b>           |             |
| 098-5338, <b>111</b>                                |             | 098-8194, <b>113</b>        |             | 130-3847, <b>21, 26</b>     |             | 140-3363-02, <b>8</b>                  |             |
| 098-5347, <b>31, 33, 39, 41, 43, 45, 46, 53, 79</b> |             | 098-8389, <b>113</b>        |             | 130-3848, <b>25</b>         |             | 140-3444-02, <b>10</b>                 |             |
| 098-5347-01, <b>17</b>                              |             | 102-1335, <b>7</b>          |             | 130-3849, <b>21, 25, 26</b> |             | 149-2291-01, <b>11</b>                 |             |
| 098-5347-02, <b>31</b>                              |             | 122-0702, <b>23</b>         |             | 130-3850, <b>19, 25</b>     |             | 149-2758-01, <b>88</b>                 |             |
| 098-5854-06, <b>65, 67, 69, 71, 79, 81</b>          |             | 122-0732-03, <b>29</b>      |             | 130-3851, <b>25</b>         |             | 149-2758-02, <b>88</b>                 |             |
| 098-5854-07, <b>65, 67, 69, 71, 79, 81</b>          |             | 122-0735, <b>23</b>         |             | 130-3874, <b>19</b>         |             | 149-2758-03, <b>88</b>                 |             |
| 098-5854-08, <b>65, 67, 69, 71, 79, 81</b>          |             | 122-0777, <b>23</b>         |             | 130-3875, <b>19</b>         |             | 149-2758-04, <b>88</b>                 |             |
| 098-5854-09, <b>65, 67, 69, 71, 79, 81</b>          |             | 127-0390-01, <b>29</b>      |             | 130-3876, <b>19</b>         |             | 151-0411, <b>7</b>                     |             |
| 098-5854-10, <b>81</b>                              |             | 127-0391, <b>29</b>         |             | 130-4019, <b>21</b>         |             | 155-0658, <b>12</b>                    |             |
| 098-6161, <b>82, 85</b>                             |             | 128-0108, <b>15, 21, 30</b> |             | 130-4354, <b>25</b>         |             | 155-1241, <b>12</b>                    |             |
| 098-6162, <b>82, 85</b>                             |             | 130-0449, <b>19</b>         |             | 130-4362, <b>25</b>         |             | 155-1463-01, <b>19</b>                 |             |
| 098-6195, <b>47</b>                                 |             | 130-1182-01, <b>21, 26</b>  |             | 130-4389, <b>27</b>         |             | 155-2409, <b>12</b>                    |             |
| 098-6387, <b>82, 85</b>                             |             | 130-1193, <b>25</b>         |             | 130-4536, <b>25</b>         |             | 155-3021, <b>15</b>                    |             |
| 098-6537, <b>31, 32, 79</b>                         |             | 130-1206, <b>25</b>         |             | 130-4537, <b>25</b>         |             | 155-3543, <b>107, 108, 109, 110</b>    |             |
| 098-6635, <b>33, 81</b>                             |             | 130-1222, <b>25</b>         |             | 130-4552, <b>17</b>         |             | 155-3700, <b>10</b>                    |             |
| 098-6865, <b>81</b>                                 |             | 130-1419, <b>25</b>         |             | 130-4582, <b>15</b>         |             | 155-4313, <b>108, 109</b>              |             |
| 098-6984, <b>51</b>                                 |             | 130-1430, <b>19</b>         |             | 130-4659, <b>25</b>         |             | 155-4314, <b>107, 110</b>              |             |
| 098-7281, <b>36</b>                                 |             | 130-1515, <b>19</b>         |             | 130-4660, <b>25</b>         |             | 155-4315, <b>107, 110</b>              |             |
| 098-7451-01, <b>113</b>                             |             | 130-3215, <b>25</b>         |             | 130-5649-02, <b>25</b>      |             | 155-4317-01, <b>107, 108, 109, 110</b> |             |
| 098-7700, <b>81</b>                                 |             | 130-3588, <b>25</b>         |             | 130-5650-02, <b>25</b>      |             | 155-4339-02, <b>89</b>                 |             |
| 098-7701, <b>81</b>                                 |             | 130-3644, <b>25</b>         |             | 130-5666-02, <b>15</b>      |             | 155-4340-02, <b>89</b>                 |             |
| 098-7868, <b>113</b>                                |             | 130-3660-01, <b>25</b>      |             | 130-5679, <b>25</b>         |             | 155-4341-02, <b>89</b>                 |             |
| 098-7902-06, <b>113</b>                             |             | 130-3700, <b>25</b>         |             | 130-5852-02, <b>15</b>      |             | 155-4348-02, <b>89</b>                 |             |
| 098-7904, <b>51</b>                                 |             | 130-3701, <b>25</b>         |             | 130-6307-01, <b>106</b>     |             | 155-4382, <b>107, 108, 109, 110</b>    |             |
| 098-7913-02, <b>113</b>                             |             | 130-3702, <b>25</b>         |             | 130-6307-02, <b>106</b>     |             | 155-4396-03, <b>109, 110</b>           |             |
| 098-7918, <b>51</b>                                 |             | 130-3832-01, <b>25</b>      |             | 140-1260, <b>9</b>          |             | 155-4396-04, <b>107, 108, 109, 110</b> |             |
| 098-7954, <b>8</b>                                  |             | 130-3832-02, <b>25</b>      |             | 140-1545, <b>9</b>          |             | 155-4396-06, <b>107, 108</b>           |             |
| 098-7961-01, <b>51</b>                              |             | 130-3834, <b>25</b>         |             | 140-1548, <b>9</b>          |             | 155-4412-02, <b>107, 108, 109, 110</b> |             |
| 098-7989, <b>51</b>                                 |             | 130-3836, <b>25</b>         |             | 140-2052, <b>9</b>          |             | 155-4414-01, <b>107, 108, 109, 110</b> |             |
| 098-8057, <b>51</b>                                 |             | 130-3839-01, <b>25</b>      |             | 140-2301, <b>9</b>          |             |                                        |             |
|                                                     |             | 130-3839-02, <b>25</b>      |             | 140-2465, <b>9</b>          |             |                                        |             |
|                                                     |             | 130-3840, <b>25</b>         |             | 140-2466, <b>9</b>          |             |                                        |             |
|                                                     |             | 130-3841, <b>25</b>         |             |                             |             |                                        |             |

# 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> |
|----------------------------------------|-------------|-------------------------------------|-------------|-------------------------------------|-------------|-----------------------------------------------------|-------------|
| 155-4414-02, <b>107, 108, 109, 110</b> |             | 226-4894-04, <b>73</b>              |             | 308-0973, <b>86</b>                 |             | 319-3184, <b>32, 63, 67, 69, 71</b>                 |             |
| 155-4415-01, <b>108, 109</b>           |             | 232-3849, <b>36</b>                 |             | 308-0999, <b>51, 94</b>             |             | 319-3251, <b>31</b>                                 |             |
| 155-4415-02, <b>107, 110</b>           |             | 232-3941-01, <b>35</b>              |             | 308-1045, <b>112</b>                |             | 319-3252-01, <b>67</b>                              |             |
| 179-4148, <b>91</b>                    |             | 232-3941-02, <b>35</b>              |             | 308-1046, <b>112</b>                |             | 319-3252-02, <b>63, 69, 71</b>                      |             |
| 191-1982, <b>30</b>                    |             | 232-3941-03, <b>35</b>              |             | 308-1085, <b>51, 112</b>            |             | 319-3253-01, <b>67</b>                              |             |
| 191-2003, <b>30</b>                    |             | 232-3941-04, <b>35</b>              |             | 308-1177, <b>94</b>                 |             | 319-3253-02, <b>63, 69, 71</b>                      |             |
| 191-2004-01, <b>30</b>                 |             | 232-4131, <b>77</b>                 |             | 309-0649, <b>15</b>                 |             | 319-3260, <b>41, 45</b>                             |             |
| 191-2005, <b>30</b>                    |             | 249-5095-04, <b>37</b>              |             | 315-1605-01, <b>57</b>              |             | 319-3262, <b>41</b>                                 |             |
| 191-2012, <b>30</b>                    |             | 249-5096-02, <b>37</b>              |             | 315-1621, <b>57</b>                 |             | 319-3263, <b>41, 45</b>                             |             |
| 191-2013, <b>30</b>                    |             | 300-3515, <b>79</b>                 |             | 315-1622, <b>57</b>                 |             | 319-3264, <b>32</b>                                 |             |
| 191-2014, <b>30</b>                    |             | 300-3998-01, <b>59</b>              |             | 319-0030, <b>56</b>                 |             | 319-3265, <b>32</b>                                 |             |
| 191-2015, <b>30</b>                    |             | 300-4318-01, <b>67</b>              |             | 319-0881, <b>41, 45</b>             |             | 319-3266-01, <b>63, 69, 71</b>                      |             |
| 191-2016, <b>30</b>                    |             | 300-4480-01, <b>63, 69, 71</b>      |             | 319-1091, <b>41, 45</b>             |             | 319-3267, <b>41, 45</b>                             |             |
| 191-2034-01, <b>15</b>                 |             | 300-4515-01, <b>54</b>              |             | 319-1093, <b>41, 45</b>             |             | 319-3269, <b>41, 45</b>                             |             |
| 191-2326-02, <b>30</b>                 |             | 300-4515-02, <b>54</b>              |             | 319-1095, <b>45</b>                 |             | 319-3270-01, <b>39</b>                              |             |
| 191-2330, <b>30</b>                    |             | 300-5180, <b>51</b>                 |             | 319-1203-01, <b>41, 45</b>          |             | 319-3270-02, <b>43</b>                              |             |
| 193-0029, <b>11</b>                    |             | 300-5383, <b>51</b>                 |             | 319-1346, <b>39, 43</b>             |             | 319-3270-03, <b>41, 45</b>                          |             |
| 193-0444, <b>7</b>                     |             | 300-5446, <b>51</b>                 |             | 319-1915, <b>31, 79</b>             |             | 319-3273, <b>43</b>                                 |             |
| 193-0446, <b>60</b>                    |             | 300-5447, <b>51</b>                 |             | 319-1916, <b>31</b>                 |             | 319-3276, <b>45</b>                                 |             |
| 193-0468, <b>13</b>                    |             | 300-5467, <b>51</b>                 |             | 319-1917, <b>79</b>                 |             | 319-3277, <b>45</b>                                 |             |
| 193-0529-01, <b>7</b>                  |             | 300-5878-01, <b>82, 85</b>          |             | 319-1925, <b>32, 63, 67, 69, 71</b> |             | 319-3278, <b>43</b>                                 |             |
| 193-0540, <b>11</b>                    |             | 301-6987, <b>56, 57</b>             |             | 319-1961, <b>32, 63, 67, 69, 71</b> |             | 319-3281-01, <b>41, 45</b>                          |             |
| 200-3049-03, <b>37</b>                 |             | 301-9512, <b>39, 43</b>             |             | 319-2006-01, <b>117</b>             |             | 319-3281-02, <b>41, 45</b>                          |             |
| 200-3050-04, <b>37</b>                 |             | 301-9629, <b>39, 43</b>             |             | 319-2006-02, <b>117</b>             |             | 319-3283-01, <b>41, 45</b>                          |             |
| 200-3051-01, <b>37</b>                 |             | 302-2057-34, <b>61</b>              |             | 319-2006-05, <b>118</b>             |             | 319-3283-02, <b>41, 45</b>                          |             |
| 200-3051-02, <b>37</b>                 |             | 302-2057-36, <b>61</b>              |             | 319-2236, <b>7</b>                  |             | 319-3284, <b>31, 79</b>                             |             |
| 200-3051-03, <b>37</b>                 |             | 305-0901, <b>58</b>                 |             | 319-2431-28, <b>67</b>              |             | 319-3286, <b>32, 33, 63, 67, 69, 71, 73, 75, 77</b> |             |
| 200-3052-01, <b>37</b>                 |             | 305-1009, <b>48</b>                 |             | 319-2431-31, <b>79</b>              |             | 319-3287-01, <b>39, 43</b>                          |             |
| 200-3052-02, <b>37</b>                 |             | 306-3467, <b>93</b>                 |             | 319-2431-37, <b>79</b>              |             | 319-3287-02, <b>39, 43</b>                          |             |
| 200-3052-03, <b>37</b>                 |             | 306-4966, <b>93</b>                 |             | 319-2767, <b>41, 45</b>             |             | 319-3288, <b>32, 33, 63, 67, 69, 71, 73, 75, 77</b> |             |
| 200-3053-01, <b>37</b>                 |             | 307-0844, <b>19</b>                 |             | 319-2768, <b>39, 43</b>             |             | 319-3290, <b>39</b>                                 |             |
| 200-3053-02, <b>37</b>                 |             | 307-2621-02, <b>7</b>               |             | 319-2778, <b>45</b>                 |             | 319-3300, <b>67</b>                                 |             |
| 226-4404-04, <b>65</b>                 |             | 307-2817-02, <b>17, 86, 87, 118</b> |             | 319-3153, <b>63, 67, 69, 71</b>     |             | 319-3327, <b>39, 43</b>                             |             |
| 226-4498-03, <b>65, 69, 71, 77</b>     |             | 307-2843, <b>56</b>                 |             | 319-3169, <b>31, 79</b>             |             | 319-3333, <b>79</b>                                 |             |
| 226-4894-01, <b>73, 75</b>             |             | 307-2859, <b>17</b>                 |             | 319-3183, <b>31, 79</b>             |             |                                                     |             |
| 226-4894-02, <b>73, 75, 77</b>         |             | 307-2874, <b>48</b>                 |             |                                     |             |                                                     |             |
| 226-4894-03, <b>73</b>                 |             | 307-3003-01, <b>57</b>              |             |                                     |             |                                                     |             |

# 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> |
|------------------------------------|-------------|----------------------------|-------------|-------------------------------|-------------|-------------------------------------------------|-------------|
| 319-4456-02, <b>46</b>             |             | 319-5680-02, <b>46, 53</b> |             | 320-2183, <b>75</b>           |             | 323-1648, <b>117</b>                            |             |
| 319-4457, <b>46</b>                |             | 319-5747-02, <b>82, 85</b> |             | 320-2196-01, <b>75, 77</b>    |             | 323-1652, <b>17, 117</b>                        |             |
| 319-4487, <b>51</b>                |             | 319-5774-02, <b>80</b>     |             | 320-2196-02, <b>75, 77</b>    |             | 323-1666, <b>117, 118</b>                       |             |
| 319-4488, <b>51</b>                |             | 320-1699, <b>71</b>        |             | 320-2261-02, <b>79</b>        |             | 323-1667, <b>117, 118</b>                       |             |
| 319-4497, <b>51</b>                |             | 320-1699-04, <b>71</b>     |             | 320-2262-02, <b>79</b>        |             | 323-1708, <b>118</b>                            |             |
| 319-4787-02, <b>17</b>             |             | 320-1699-08, <b>71</b>     |             | 320-2281-01, <b>80</b>        |             | 323-1718, <b>17, 117</b>                        |             |
| 319-5027-02, <b>46, 53</b>         |             | 320-1783, <b>63</b>        |             | 320-2281-02, <b>80</b>        |             | 323-1755, <b>118</b>                            |             |
| 319-5038-02, <b>57</b>             |             | 320-1783-01, <b>63</b>     |             | 321-0370, <b>117</b>          |             | 323-1765, <b>118</b>                            |             |
| 319-5056-02, <b>86</b>             |             | 320-1783-02, <b>63</b>     |             | 321-0371, <b>117, 118</b>     |             | 323-2003-01, <b>56, 59</b>                      |             |
| 319-5062-02, <b>33, 73, 75, 77</b> |             | 320-1783-03, <b>63</b>     |             | 321-0372-01, <b>118</b>       |             | 323-2003-02, <b>47</b>                          |             |
| 319-5065-02, <b>77</b>             |             | 320-1783-04, <b>63</b>     |             | 321-0372-07, <b>117</b>       |             | 327-1275, <b>51</b>                             |             |
| 319-5078-04, <b>77</b>             |             | 320-1783-05, <b>63</b>     |             | 322-0431-08, <b>58</b>        |             | 327-1379-01, <b>51</b>                          |             |
| 319-5078-05, <b>75</b>             |             | 320-1783-06, <b>63</b>     |             | 322-0488, <b>51</b>           |             | 330-0005, <b>94</b>                             |             |
| 319-5078-06, <b>73</b>             |             | 320-1783-07, <b>63</b>     |             | 322-0491, <b>51</b>           |             | 330-0141-03, <b>36</b>                          |             |
| 319-5087-02, <b>33, 73, 75, 77</b> |             | 320-1783-08, <b>63</b>     |             | 323-1410-03, <b>58</b>        |             | 330-0141-04, <b>36</b>                          |             |
| 319-5088-02, <b>33, 73, 75, 77</b> |             | 320-1783-09, <b>63</b>     |             | 323-1444, <b>117</b>          |             | 330-0142, <b>36</b>                             |             |
| 319-5098-03, <b>73, 75, 77</b>     |             | 320-1783-10, <b>63</b>     |             | 323-1445, <b>17, 117</b>      |             | 330-0157, <b>90</b>                             |             |
| 319-5098-04, <b>73, 75, 77</b>     |             | 320-1783-11, <b>63</b>     |             | 323-1491, <b>17, 117</b>      |             | 330-0158, <b>90</b>                             |             |
| 319-5098-06, <b>33</b>             |             | 320-1783-17, <b>63</b>     |             | 323-1492, <b>17, 117, 118</b> |             | 331-0027, <b>82, 85, 94</b>                     |             |
| 319-5102-03, <b>77</b>             |             | 320-1783-18, <b>63</b>     |             | 323-1493, <b>117, 118</b>     |             | 331-0042, <b>17</b>                             |             |
| 319-5102-04, <b>73, 75</b>         |             | 320-1783-19, <b>63</b>     |             | 323-1494, <b>17</b>           |             | 331-0555, <b>17</b>                             |             |
| 319-5123-02, <b>73, 75</b>         |             | 320-1783-20, <b>63</b>     |             | 323-1500, <b>17</b>           |             | 331-0602, <b>91</b>                             |             |
| 319-5125, <b>94</b>                |             | 320-1907-01, <b>69</b>     |             | 323-1502, <b>17</b>           |             | 331-0625, <b>80</b>                             |             |
| 319-5128-02, <b>73</b>             |             | 320-1960-01, <b>73, 79</b> |             | 323-1503, <b>117, 118</b>     |             | 332-0604, <b>117, 118</b>                       |             |
| 319-5155-02, <b>33</b>             |             | 320-1960-04, <b>79</b>     |             | 323-1504, <b>17</b>           |             | 332-1043, <b>117, 118</b>                       |             |
| 319-5162-02, <b>33</b>             |             | 320-1964-01, <b>67</b>     |             | 323-1523, <b>115</b>          |             | 332-1389, <b>36</b>                             |             |
| 319-5163-02, <b>33</b>             |             | 320-1964-02, <b>67</b>     |             | 323-1525, <b>118</b>          |             | 332-1445, <b>47, 51</b>                         |             |
| 319-5471-02, <b>46, 53</b>         |             | 320-1964-06, <b>67</b>     |             | 323-1540, <b>117</b>          |             | 332-1468, <b>17</b>                             |             |
| 319-5491-02, <b>79</b>             |             | 320-1977-01, <b>67</b>     |             | 323-1580, <b>117</b>          |             | 332-1469, <b>17</b>                             |             |
| 319-5520-02, <b>85</b>             |             | 320-1977-03, <b>67</b>     |             | 323-1581, <b>117</b>          |             | 332-1557, <b>73, 75</b>                         |             |
| 319-5558-02, <b>85</b>             |             | 320-1981-01, <b>73</b>     |             | 323-1605-02, <b>117</b>       |             | 332-2001, <b>31, 32, 33, 63, 67, 69, 71, 79</b> |             |
| 319-5559-02, <b>46, 53</b>         |             | 320-1981-03, <b>73</b>     |             | 323-1605-03, <b>117</b>       |             | 332-2420, <b>47, 51, 54, 56, 57</b>             |             |
| 319-5641-02, <b>91</b>             |             | 320-1986-01, <b>67</b>     |             | 323-1614-01, <b>117</b>       |             | 332-2512, <b>73, 75, 77</b>                     |             |
| 319-5642-02, <b>91</b>             |             | 320-1992-01, <b>67</b>     |             | 323-1615, <b>117</b>          |             | 332-2634, <b>7, 21, 25, 45</b>                  |             |
| 319-5655-02, <b>45</b>             |             | 320-2164-01, <b>77</b>     |             | 323-1623, <b>117</b>          |             | 332-2743-07, <b>77</b>                          |             |
| 319-5656-02, <b>43</b>             |             | 320-2164-02, <b>77</b>     |             | 323-1624, <b>117</b>          |             | 332-2744-07, <b>63, 67, 69, 71, 77, 79</b>      |             |
|                                    |             | 320-2164-03, <b>77</b>     |             | 323-1637, <b>117</b>          |             |                                                 |             |
|                                    |             | 320-2182, <b>75</b>        |             | 323-1643-01, <b>117</b>       |             |                                                 |             |

# 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> |
|--------------------------------|-------------|---------------------------------|-------------|------------------------------------|-------------|------------------------------------|-------------|
| 332-2878, <b>48</b>            |             | 337-3619-02, <b>77</b>          |             | 338-4589, <b>87, 97, 101</b>       |             | 405-7709-02, <b>33, 73, 75, 77</b> |             |
| 332-2921, <b>7, 21</b>         |             | 337-3620-01, <b>77</b>          |             | 338-4601-01, <b>86</b>             |             | 405-7882, <b>93</b>                |             |
| 332-3023, <b>36</b>            |             | 337-3620-02, <b>77</b>          |             | 338-4601-02, <b>86</b>             |             | 405-7883, <b>93</b>                |             |
| 332-3024-14, <b>36</b>         |             | 337-3621-01, <b>77</b>          |             | 357-0030, <b>17</b>                |             | 405-7884-02, <b>93</b>             |             |
| 332-3039, <b>73, 75, 77</b>    |             | 337-3621-02, <b>77</b>          |             | 357-0114, <b>54</b>                |             | 405-7885-02, <b>93</b>             |             |
| 332-3096-01, <b>117</b>        |             | 337-3623, <b>73, 75, 77</b>     |             | 402-0354, <b>56, 57</b>            |             | 405-7997, <b>94</b>                |             |
| 332-3196, <b>35</b>            |             | 337-3624, <b>77</b>             |             | 402-0610, <b>7</b>                 |             | 405-8071-02, <b>93</b>             |             |
| 332-3303-01, <b>63, 69, 71</b> |             | 337-3625, <b>73, 75, 77</b>     |             | 402-0691-03, <b>28</b>             |             | 405-8072-02, <b>93</b>             |             |
| 332-3440, <b>17</b>            |             | 337-3626, <b>77</b>             |             | 402-0729, <b>43</b>                |             | 405-8073-02, <b>89, 93, 103</b>    |             |
| 332-3496, <b>117</b>           |             | 337-3627, <b>77</b>             |             | 402-0764-01, <b>51</b>             |             | 405-8074-02, <b>93</b>             |             |
| 332-3788, <b>79</b>            |             | 337-3628-01, <b>75</b>          |             | 402-0859, <b>28</b>                |             | 405-8075-02, <b>93</b>             |             |
| 332-3792-01, <b>118</b>        |             | 337-3628-02, <b>75</b>          |             | 403-1691, <b>19</b>                |             | 405-8076-02, <b>93</b>             |             |
| 332-3842-01, <b>48</b>         |             | 337-3629-01, <b>75</b>          |             | 403-2733-01, <b>19, 25</b>         |             | 405-8077-02, <b>93</b>             |             |
| 332-3896, <b>51</b>            |             | 337-3629-02, <b>75</b>          |             | 403-2807, <b>27</b>                |             | 405-8078-02, <b>93</b>             |             |
| 332-3949, <b>77</b>            |             | 337-3631, <b>73, 75, 77</b>     |             | 403-3362, <b>28</b>                |             | 405-8079-02, <b>93</b>             |             |
| 333-0407-02, <b>22</b>         |             | 337-3632, <b>73, 75</b>         |             | 403-4778, <b>27</b>                |             | 405-8080-02, <b>93</b>             |             |
| 333-0407-04, <b>22</b>         |             | 337-3736, <b>73, 75, 77</b>     |             | 403-5566-02, <b>28</b>             |             | 405-8081-02, <b>93</b>             |             |
| 333-0407-05, <b>22</b>         |             | 338-2592-03, <b>117, 118</b>    |             | 403-5602-02, <b>28</b>             |             | 405-8083-02, <b>93</b>             |             |
| 333-0438-05, <b>36</b>         |             | 338-3034, <b>58</b>             |             | 403-5605-02, <b>28</b>             |             | 405-8084-02, <b>93</b>             |             |
| 333-0438-06, <b>36</b>         |             | 338-3285, <b>117</b>            |             | 403-5644-02, <b>28</b>             |             | 405-8493, <b>93</b>                |             |
| 333-0661-01, <b>47</b>         |             | 338-3352-02, <b>117</b>         |             | 403-5697-02, <b>28</b>             |             | 405-8494-02, <b>93</b>             |             |
| 333-0661-02, <b>47</b>         |             | 338-3991, <b>51</b>             |             | 405-6000-16, <b>93</b>             |             | 405-8495-02, <b>93</b>             |             |
| 333-0677-01, <b>15</b>         |             | 338-3994, <b>51</b>             |             | 405-6000-17, <b>93</b>             |             | 405-8523-01, <b>97, 101</b>        |             |
| 333-0677-02, <b>15</b>         |             | 338-4105-11, <b>17</b>          |             | 405-6000-18, <b>93</b>             |             | 405-8523-02, <b>97, 101</b>        |             |
| 333-0682, <b>86</b>            |             | 338-4105-13, <b>17</b>          |             | 405-6000-19, <b>93</b>             |             | 405-8536-02, <b>93</b>             |             |
| 333-0683-02, <b>86</b>         |             | 338-4186, <b>115</b>            |             | 405-6000-20, <b>93</b>             |             | 405-8537-02, <b>93</b>             |             |
| 335-0173, <b>47</b>            |             | 338-4234, <b>118</b>            |             | 405-6460-08, <b>97, 101</b>        |             | 405-8538-02, <b>93</b>             |             |
| 335-0173-01, <b>47</b>         |             | 338-4245, <b>56</b>             |             | 405-6460-09, <b>97, 101</b>        |             | 405-8539-02, <b>93</b>             |             |
| 335-0173-06, <b>82, 85</b>     |             | 338-4246, <b>56</b>             |             | 405-6693, <b>97</b>                |             | 405-8551-02, <b>101</b>            |             |
| 335-0189, <b>51</b>            |             | 338-4287, <b>17</b>             |             | 405-7245-02, <b>41</b>             |             | 405-8552-02, <b>101</b>            |             |
| 337-0049, <b>46, 51, 53</b>    |             | 338-4293, <b>94</b>             |             | 405-7246-02, <b>49</b>             |             | 405-8553, <b>101</b>               |             |
| 337-0090-02, <b>28</b>         |             | 338-4300-03, <b>82, 85</b>      |             | 405-7247-02, <b>41, 45</b>         |             | 405-8554-02, <b>93</b>             |             |
| 337-2789, <b>63, 69, 71</b>    |             | 338-4360-02, <b>86</b>          |             | 405-7248-02, <b>49</b>             |             | 405-8555-02, <b>93</b>             |             |
| 337-2953, <b>93</b>            |             | 338-4386, <b>57</b>             |             | 405-7249-02, <b>39, 43</b>         |             | 405-8556-02, <b>93</b>             |             |
| 337-3466-01, <b>80</b>         |             | 338-4408, <b>57</b>             |             | 405-7254-02, <b>39, 43</b>         |             | 405-8558, <b>101</b>               |             |
| 337-3514, <b>79</b>            |             | 338-4438, <b>48</b>             |             | 405-7658-02, <b>94</b>             |             | 405-8559-02, <b>101</b>            |             |
| 337-3618, <b>77</b>            |             | 338-4579, <b>114</b>            |             | 405-7666-02, <b>39, 41, 43, 45</b> |             | 405-8561, <b>101</b>               |             |
| 337-3619-01, <b>77</b>         |             | 338-4588-01, <b>87, 97, 101</b> |             |                                    |             |                                    |             |

# 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> |
|-----------------------------|-------------|------------------------------|-------------|---------------------------------|-------------|--------------------------------|-------------|
| 405-8562, <b>101</b>        |             | 405-8752-02, <b>106</b>      |             | 501-0537-22, <b>23</b>          |             | 503-1872-01, <b>15, 19, 25</b> |             |
| 405-8563-02, <b>101</b>     |             | 405-8753-02, <b>106</b>      |             | 501-0537-23, <b>23</b>          |             | 503-1872-05, <b>19, 25</b>     |             |
| 405-8567-02, <b>89, 103</b> |             | 405-8754-02, <b>106</b>      |             | 501-0700, <b>7</b>              |             | 503-1872-07, <b>19, 25</b>     |             |
| 405-8569-02, <b>103</b>     |             | 405-8766-02, <b>93</b>       |             | 501-0701, <b>7</b>              |             | 503-2157-01, <b>15</b>         |             |
| 405-8569-04, <b>103</b>     |             | 405-8767-02, <b>93</b>       |             | 501-0744-01, <b>15</b>          |             | 503-2276, <b>8, 9</b>          |             |
| 405-8570-02, <b>103</b>     |             | 405-8777, <b>93</b>          |             | 501-0744-05, <b>25</b>          |             | 503-2350-04, <b>28</b>         |             |
| 405-8573-02, <b>93</b>      |             | 405-8778, <b>93</b>          |             | 502-0034, <b>11</b>             |             | 503-2350-05, <b>28</b>         |             |
| 405-8608-02, <b>93</b>      |             | 405-8782-02, <b>87</b>       |             | 502-0067, <b>11</b>             |             | 504-0011, <b>25</b>            |             |
| 405-8609-02, <b>93</b>      |             | 405-8819, <b>103</b>         |             | 502-0313, <b>19</b>             |             | 504-0028, <b>19</b>            |             |
| 405-8615-02, <b>93</b>      |             | 405-8863-02, <b>99</b>       |             | 502-0395, <b>21, 26</b>         |             | 504-0057, <b>19</b>            |             |
| 405-8616-02, <b>101</b>     |             | 405-8864-02, <b>99</b>       |             | 502-0971, <b>15</b>             |             | 504-0064, <b>11</b>            |             |
| 405-8617-02, <b>101</b>     |             | 405-8865-02, <b>99</b>       |             | 502-1043-11, <b>23</b>          |             | 504-0171, <b>7</b>             |             |
| 405-8631-02, <b>101</b>     |             | 405-8866-02, <b>99</b>       |             | 502-1043-12, <b>23</b>          |             | 504-0215, <b>15</b>            |             |
| 405-8633-02, <b>93</b>      |             | 405-8867-02, <b>99</b>       |             | 502-1045-15, <b>23</b>          |             | 504-0229, <b>15</b>            |             |
| 405-8634-01, <b>87</b>      |             | 405-8945-02, <b>99</b>       |             | 502-1054-08, <b>29</b>          |             | 505-0004, <b>19</b>            |             |
| 405-8634-02, <b>87</b>      |             | 405-8946-02, <b>99</b>       |             | 502-1302, <b>11</b>             |             | 505-0019, <b>7, 23</b>         |             |
| 405-8635-02, <b>93</b>      |             | 405-8948-02, <b>99</b>       |             | 502-1337, <b>15</b>             |             | 505-0020, <b>25</b>            |             |
| 405-8636-02, <b>93</b>      |             | 405-8950-02, <b>99</b>       |             | 502-1530, <b>28</b>             |             | 505-0021, <b>7</b>             |             |
| 405-8637-02, <b>93</b>      |             | 405-9020, <b>93</b>          |             | 502-1531, <b>28</b>             |             | 505-0022, <b>23</b>            |             |
| 405-8639, <b>99, 101</b>    |             | 405-9021, <b>93</b>          |             | 503-0189, <b>7, 28</b>          |             | 505-0023, <b>19</b>            |             |
| 405-8640, <b>93</b>         |             | 405-9114-02, <b>93</b>       |             | 503-0249, <b>7, 19</b>          |             | 505-0041, <b>19</b>            |             |
| 405-8641, <b>93</b>         |             | 406-0845, <b>51</b>          |             | 503-0569, <b>19</b>             |             | 505-0051, <b>15</b>            |             |
| 405-8642, <b>93</b>         |             | 406-0929, <b>93, 99</b>      |             | 503-0685, <b>19, 21, 26</b>     |             | 505-0100, <b>7, 25</b>         |             |
| 405-8643, <b>93</b>         |             | 406-0972-03, <b>93</b>       |             | 503-0856, <b>25</b>             |             | 505-0131, <b>7</b>             |             |
| 405-8644, <b>93</b>         |             | 406-1075, <b>93</b>          |             | 503-1418, <b>19, 21, 25, 26</b> |             | 505-0172, <b>19</b>            |             |
| 405-8645, <b>93</b>         |             | 406-1089-02, <b>93</b>       |             | 503-1575, <b>12</b>             |             | 505-0175, <b>19</b>            |             |
| 405-8646, <b>93</b>         |             | 406-1090, <b>93</b>          |             | 503-1620, <b>19</b>             |             | 505-0180, <b>19</b>            |             |
| 405-8647, <b>93</b>         |             | 406-1091-02, <b>93</b>       |             | 503-1634, <b>15, 25</b>         |             | 505-0187, <b>19</b>            |             |
| 405-8702-02, <b>103</b>     |             | 416-0446, <b>7</b>           |             | 503-1634-01, <b>15</b>          |             | 505-0220, <b>19</b>            |             |
| 405-8702-04, <b>103</b>     |             | 416-0639, <b>7</b>           |             | 503-1717, <b>8, 10</b>          |             | 505-0293, <b>15</b>            |             |
| 405-8703-02, <b>103</b>     |             | 416-0680, <b>7</b>           |             | 503-1720, <b>8</b>              |             | 505-0324, <b>7</b>             |             |
| 405-8727-01, <b>93</b>      |             | 416-0850, <b>27</b>          |             | 503-1722, <b>9, 10</b>          |             | 505-0363, <b>15</b>            |             |
| 405-8727-02, <b>93</b>      |             | 416-0964, <b>7</b>           |             | 503-1728, <b>19, 25</b>         |             | 505-0374, <b>19</b>            |             |
| 405-8732, <b>87</b>         |             | 416-1019, <b>7</b>           |             | 503-1779, <b>19, 25</b>         |             | 505-0382, <b>19</b>            |             |
| 405-8741-02, <b>104</b>     |             | 416-1021-03, <b>117, 118</b> |             | 503-1870-07, <b>8, 9</b>        |             | 505-0401, <b>19</b>            |             |
| 405-8742, <b>104</b>        |             | 416-1068-01, <b>111</b>      |             | 503-1870-11, <b>8, 9, 10</b>    |             | 505-0402, <b>19</b>            |             |
| 405-8743, <b>104</b>        |             | 416-1084-01, <b>7</b>        |             | 503-1870-12, <b>8, 9, 10</b>    |             | 505-0406, <b>19</b>            |             |
| 405-8744, <b>104</b>        |             | 416-1085-02, <b>111</b>      |             | 503-1870-14, <b>8, 10</b>       |             | 505-0453, <b>21</b>            |             |

# 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> |
|-------------------------------------|-------------|----------------------------------------------------------|-------------|-----------------------------------------------------|-------------|-------------------------------------------------------------------|-------------|
| 505-0660, <b>21</b>                 |             | 518-0548-42, <b>45</b>                                   |             | 526-2120, <b>31, 32, 33, 63, 67, 69, 71, 79</b>     |             | 800-2059, <b>30</b>                                               |             |
| 505-0749, <b>21</b>                 |             | 518-0548-44, <b>43, 45, 85</b>                           |             | 526-2132, <b>28</b>                                 |             | 800-2063, <b>65, 69, 71</b>                                       |             |
| 505-0759, <b>19, 25</b>             |             | 518-0581, <b>103</b>                                     |             | 526-2140, <b>65, 67, 69, 71, 73, 75, 77</b>         |             | 800-2085, <b>11</b>                                               |             |
| 505-1071, <b>19</b>                 |             | 518-0601, <b>5</b>                                       |             | 541-1416, <b>47</b>                                 |             | 800-2086, <b>29, 41, 45, 63, 67, 69, 71</b>                       |             |
| 505-1072, <b>19</b>                 |             | 518-0703, <b>90</b>                                      |             | 800-0028, <b>73, 75, 77</b>                         |             | 800-2087, <b>28</b>                                               |             |
| 505-1086, <b>19</b>                 |             | 520-0544, <b>15</b>                                      |             | 800-0030, <b>73, 75, 77</b>                         |             | 800-2088, <b>31, 32, 33, 79</b>                                   |             |
| 505-1087, <b>19</b>                 |             | 525-0304, <b>5</b>                                       |             | 800-0048, <b>27, 63, 67, 69, 71, 73, 75, 77, 79</b> |             | 800-2089, <b>63, 69, 71, 93, 97, 101, 103, 107, 108, 109, 110</b> |             |
| 505-1465, <b>19</b>                 |             | 525-0305, <b>5</b>                                       |             | 800-0049, <b>73, 75</b>                             |             | 800-2096, <b>30</b>                                               |             |
| 505-1466, <b>21</b>                 |             | 525-0306, <b>5</b>                                       |             | 800-0050, <b>11, 73, 75, 77</b>                     |             | 800-2111, <b>39, 43</b>                                           |             |
| 505-1503, <b>7</b>                  |             | 526-0003, <b>57</b>                                      |             | 800-0051, <b>67, 79</b>                             |             | 800-2112, <b>88</b>                                               |             |
| 505-2037, <b>15</b>                 |             | 526-0014, <b>25</b>                                      |             | 800-0052, <b>21, 26, 63, 67, 69, 71, 77</b>         |             | 800-2114, <b>67, 73, 75, 77, 107, 110</b>                         |             |
| 505-2087, <b>15</b>                 |             | 526-0018, <b>93</b>                                      |             | 800-0053, <b>25, 73, 75, 79</b>                     |             | 800-2116, <b>65, 69, 71</b>                                       |             |
| 508-0008, <b>19</b>                 |             | 526-0027, <b>25, 27</b>                                  |             | 800-0054, <b>77</b>                                 |             | 800-3017-54, <b>8, 9, 10</b>                                      |             |
| 508-0228, <b>36</b>                 |             | 526-0029, <b>11, 67</b>                                  |             | 800-0055, <b>15</b>                                 |             | 800-6294, <b>91, 93</b>                                           |             |
| 508-0239, <b>21</b>                 |             | 526-0030, <b>21, 26, 30</b>                              |             | 800-0056, <b>21, 25, 26</b>                         |             | 805-0035, <b>35</b>                                               |             |
| 508-0292, <b>7</b>                  |             | 526-0049, <b>17</b>                                      |             | 800-0074, <b>19</b>                                 |             | 812-0068, <b>90</b>                                               |             |
| 508-1057, <b>39, 41</b>             |             | 526-0098, <b>19</b>                                      |             | 800-0075, <b>25</b>                                 |             | 812-0081, <b>56</b>                                               |             |
| 508-1090, <b>43, 45</b>             |             | 526-0112, <b>27, 28</b>                                  |             | 800-0090, <b>7, 9, 77</b>                           |             | 812-0082, <b>57</b>                                               |             |
| 508-1092, <b>31, 79</b>             |             | 526-0113, <b>93</b>                                      |             | 800-0091, <b>8, 10</b>                              |             | 812-0084, <b>58</b>                                               |             |
| 508-1109, <b>65, 67, 69, 71, 73</b> |             | 526-0128, <b>15, 107, 110</b>                            |             | 800-0092, <b>19, 25</b>                             |             | 812-0094, <b>57</b>                                               |             |
| 508-1195, <b>86</b>                 |             | 526-0141, <b>25, 41, 45</b>                              |             | 800-0093, <b>7, 21, 27, 28, 77</b>                  |             | 815-0181, <b>93</b>                                               |             |
| 511-0105, <b>30</b>                 |             | 526-0174, <b>21, 25, 26</b>                              |             | 800-0094, <b>25, 28, 77</b>                         |             | 815-0203, <b>17</b>                                               |             |
| 517-0021, <b>36</b>                 |             | 526-0179, <b>91</b>                                      |             | 800-0096, <b>23</b>                                 |             | 815-0261, <b>73, 75, 77</b>                                       |             |
| 517-0131, <b>39, 41, 43, 45</b>     |             | 526-0219, <b>19, 23, 25, 27, 28, 88</b>                  |             | 800-0102, <b>8, 9, 10</b>                           |             | 815-0384, <b>25</b>                                               |             |
| 517-0133, <b>93</b>                 |             | 526-0249-01, <b>93, 97, 101, 103, 107, 108, 109, 110</b> |             | 800-0108, <b>25</b>                                 |             | 815-0446, <b>17</b>                                               |             |
| 517-0135, <b>39, 41, 43, 45</b>     |             | 526-0350, <b>29</b>                                      |             | 800-0134, <b>27</b>                                 |             | 815-0447, <b>17</b>                                               |             |
| 517-0136, <b>39, 43</b>             |             | 526-0399-05, <b>86</b>                                   |             | 800-0138, <b>28</b>                                 |             | 815-0538, <b>117, 118</b>                                         |             |
| 517-0138-02, <b>17</b>              |             | 526-0399-19, <b>25</b>                                   |             | 800-0156, <b>25</b>                                 |             | 815-0539, <b>15</b>                                               |             |
| 517-0350, <b>93</b>                 |             | 526-0399-20, <b>79</b>                                   |             | 800-0158, <b>27</b>                                 |             | 815-0651, <b>86</b>                                               |             |
| 517-0355, <b>51</b>                 |             | 526-0399-58, <b>33</b>                                   |             | 800-0303, <b>35</b>                                 |             | 815-0709-01, <b>86, 104</b>                                       |             |
| 517-0356, <b>51</b>                 |             | 526-0399-64, <b>8, 9, 10</b>                             |             | 800-0576, <b>35</b>                                 |             | 815-0724, <b>29</b>                                               |             |
| 517-0357, <b>51</b>                 |             | 526-0416, <b>35</b>                                      |             | 800-0588, <b>25</b>                                 |             | 815-0792-02, <b>51</b>                                            |             |
| 517-0364, <b>93</b>                 |             | 526-0423, <b>73, 75, 77</b>                              |             | 800-2008, <b>36</b>                                 |             | 815-0918, <b>94</b>                                               |             |
| 518-0340, <b>86</b>                 |             | 526-0445, <b>35</b>                                      |             | 800-2044, <b>87, 93</b>                             |             | 815-0937, <b>86</b>                                               |             |
| 518-0350, <b>11</b>                 |             | 526-1115, <b>45</b>                                      |             | 800-2054, <b>46, 49</b>                             |             | 818-0231-02, <b>91, 93, 94</b>                                    |             |
| 518-0548-02, <b>39, 43</b>          |             | 526-2100, <b>43, 46, 49, 65, 69, 71</b>                  |             |                                                     |             |                                                                   |             |
| 518-0548-20, <b>15, 25</b>          |             |                                                          |             |                                                     |             |                                                                   |             |
| 518-0548-24, <b>43</b>              |             |                                                          |             |                                                     |             |                                                                   |             |

# 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> |
|------------------------------------------------------------------------------------|-------------|---------------------------------------------------------------------------|-------------|------------------------------------------------------------|-------------|-----------------------------------------------------|-------------|
| 818-0231-06, <b>93, 94, 101</b>                                                    |             | 821-6003-02, <b>8, 9, 10, 39, 41, 43, 45, 63, 67, 69, 71, 85, 93, 106</b> |             | 851-0048-03, <b>77</b>                                     |             | 870-0183, <b>86, 90</b>                             |             |
| 818-1173-01, <b>101</b>                                                            |             |                                                                           |             | 853-0005, <b>56, 57, 93</b>                                |             | 870-0212, <b>7, 57</b>                              |             |
| 819-1137-01, <b>51</b>                                                             |             | 821-6003-03, <b>93</b>                                                    |             | 853-2006, <b>93</b>                                        |             | 870-0221, <b>56, 57, 58</b>                         |             |
| 819-1137-02, <b>51</b>                                                             |             | 821-6004-01, <b>39, 41, 43, 45, 85</b>                                    |             | 853-2010, <b>28</b>                                        |             | 870-0257, <b>21, 56, 57</b>                         |             |
| 819-1144, <b>51</b>                                                                |             |                                                                           |             | 853-2012, <b>93</b>                                        |             | 870-0281, <b>19, 21, 23, 26, 30</b>                 |             |
| 819-1154, <b>48</b>                                                                |             | 821-6006-01, <b>87, 93, 99</b>                                            |             | 856-0003, <b>17</b>                                        |             | 870-0437, <b>25</b>                                 |             |
| 821-0010, <b>25, 57</b>                                                            |             | 821-6007-02, <b>87, 89, 93, 97, 99, 101, 103, 104</b>                     |             | 856-0006, <b>41, 45</b>                                    |             | 870-0494, <b>25</b>                                 |             |
| 821-0014, <b>53</b>                                                                |             |                                                                           |             | 856-0008, <b>93</b>                                        |             | 870-0504, <b>31, 32, 63, 67, 69, 71, 79</b>         |             |
| 821-0016, <b>21</b>                                                                |             | 822-3047, <b>36</b>                                                       |             | 856-0010, <b>7, 31, 32, 33, 46, 53, 63, 67, 69, 71, 79</b> |             | 870-0550-09, <b>15, 25</b>                          |             |
| 821-0017, <b>56, 57</b>                                                            |             | 822-3075, <b>36</b>                                                       |             |                                                            |             | 870-2054, <b>39, 41, 43, 45, 59, 67, 79, 87, 93</b> |             |
| 821-0029, <b>7</b>                                                                 |             | 850-0025, <b>57</b>                                                       |             | 856-0013, <b>7</b>                                         |             | 870-2055, <b>39, 43, 45</b>                         |             |
| 821-0030, <b>19, 30</b>                                                            |             | 850-0045, <b>53</b>                                                       |             | 860-0008, <b>57</b>                                        |             | 870-2056, <b>30</b>                                 |             |
| 821-0035, <b>23</b>                                                                |             | 850-0050, <b>11, 21, 25, 26, 67, 73, 75, 77, 79</b>                       |             | 860-2005, <b>36</b>                                        |             | 870-2065-03, <b>9, 93</b>                           |             |
| 821-2034, <b>59, 67, 79</b>                                                        |             | 850-0055, <b>19</b>                                                       |             | 860-2006, <b>36</b>                                        |             | 870-2213-02, <b>51</b>                              |             |
| 821-2035, <b>31, 32, 63, 69, 71</b>                                                |             | 850-0060, <b>7, 8, 9, 10, 19, 23, 25, 27, 28, 35, 77</b>                  |             | 860-2009, <b>80, 93, 101, 103</b>                          |             | 871-0010, <b>17</b>                                 |             |
| 821-5002-03, <b>15, 21, 25, 26, 30</b>                                             |             | 850-0070, <b>27, 28</b>                                                   |             | 860-2010, <b>65, 67, 69, 71, 73, 75, 77, 88</b>            |             | 877-0364-02, <b>79</b>                              |             |
| 821-5003-01, <b>25</b>                                                             |             | 850-0079, <b>25, 27</b>                                                   |             | 862-0001, <b>46, 53</b>                                    |             | 895-0182, <b>63, 67, 69, 71</b>                     |             |
| 821-5003-03, <b>107, 108, 109, 110</b>                                             |             | 850-0114-56, <b>8, 9, 10</b>                                              |             | 862-0003, <b>67, 73, 75, 77, 79</b>                        |             | 895-0414, <b>93, 101</b>                            |             |
| 821-5004-02, <b>30</b>                                                             |             | 850-2003, <b>36</b>                                                       |             | 862-0004, <b>19</b>                                        |             | 898-1254-25, <b>36</b>                              |             |
| 821-5004-03, <b>21, 25, 26, 27</b>                                                 |             | 850-2004, <b>36</b>                                                       |             | 862-0005, <b>77</b>                                        |             |                                                     |             |
|                                                                                    |             | 850-2005, <b>36</b>                                                       |             | 862-0007, <b>28</b>                                        |             | <b>A</b>                                            |             |
| 821-6001-02, <b>82, 85</b>                                                         |             | 850-2008, <b>30, 65, 69, 71</b>                                           |             | 862-0008, <b>25, 27</b>                                    |             | A029Z634, <b>105</b>                                |             |
| 821-6002-02, <b>49</b>                                                             |             | 850-2010, <b>11, 31, 32, 33, 41, 45, 63, 67, 69, 71, 79, 80, 103</b>      |             | 862-0015, <b>73, 75, 77</b>                                |             | A029Z638, <b>105</b>                                |             |
| 821-6002-03, <b>31, 32, 33, 39, 41, 43, 45, 46, 53, 63, 67, 69, 71, 79, 82, 85</b> |             | 850-2012, <b>39, 43, 65, 67, 69, 71, 73, 75, 77, 88</b>                   |             | 862-0016, <b>7, 19, 23, 25, 27, 28</b>                     |             | A029Z639, <b>105</b>                                |             |
| 821-6002-04, <b>73, 75, 77</b>                                                     |             | 851-0022, <b>77</b>                                                       |             | 862-0017, <b>35</b>                                        |             | A029Z640, <b>105</b>                                |             |
| 821-6003-01, <b>33, 46, 53, 73, 75, 77, 111</b>                                    |             | 851-0048-01, <b>73, 75, 77</b>                                            |             | 862-0026-57, <b>8, 9, 10</b>                               |             | A029Z642, <b>105</b>                                |             |
|                                                                                    |             | 851-0048-02, <b>73, 75, 77</b>                                            |             | 870-0114, <b>93</b>                                        |             | A029Z643, <b>105</b>                                |             |
|                                                                                    |             |                                                                           |             | 870-0131, <b>15, 17, 79</b>                                |             |                                                     |             |

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