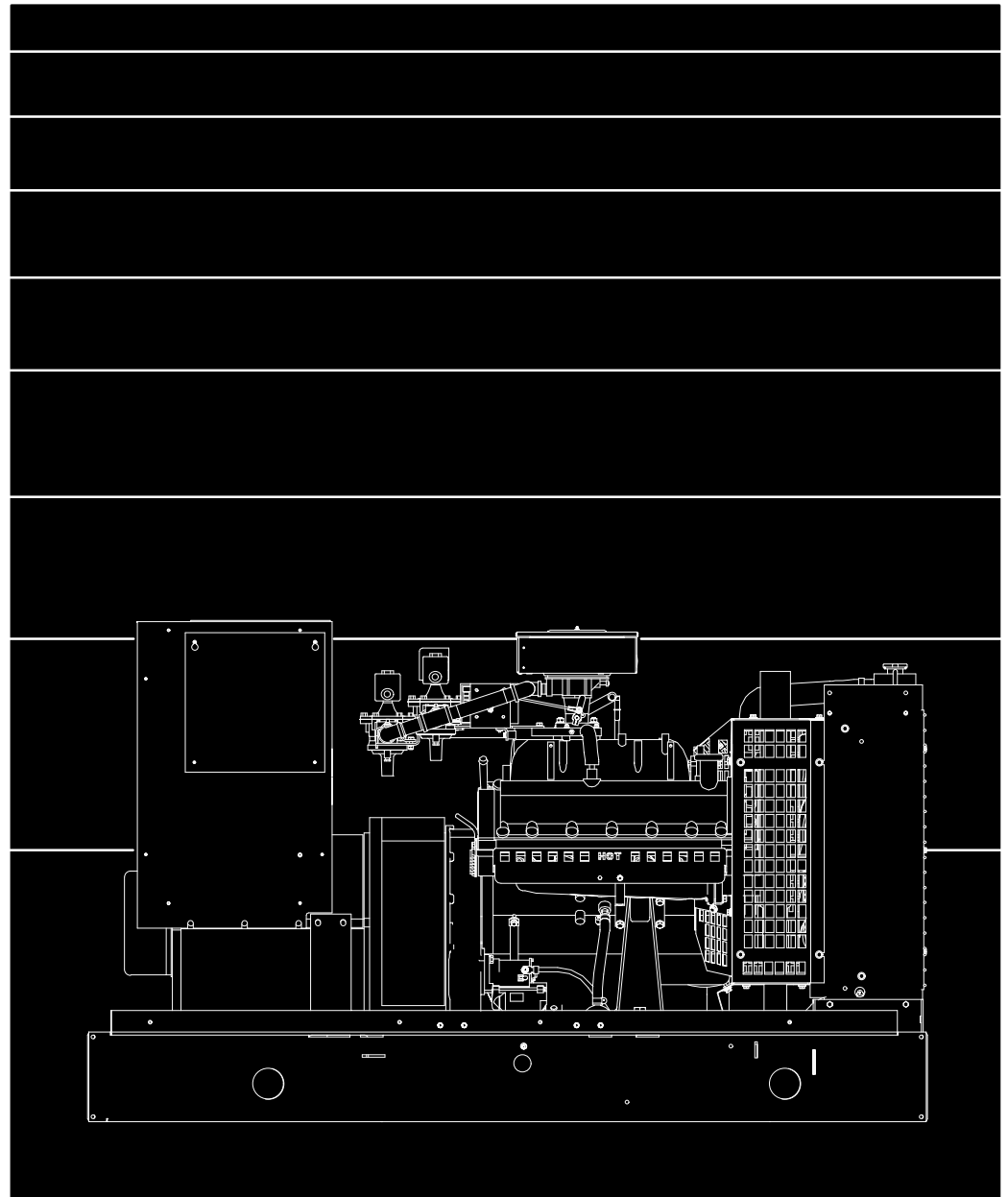




Parts Catalog

GGHE
GGHF

Generator Set



MODEL IDENTIFICATION

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

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

MODEL AND SPEC NO.

SERIAL NO.

DIGITAL CONTROL SOFTWARE VERSION
AND DATE (IF APPLICABLE)

SAFETY PRECAUTIONS

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



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



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



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

PRODUCT SAFETY PRECAUTIONS



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



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



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



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

Introduction

This Parts Catalog applies to the standard generator models GGHE and GGHF 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 Onan 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

Onan Generator Model	Ford Engine Model
GGHE	WSG10681-6005-A
GGHF	WSG10681-6005-A

Replacement engines cannot be ordered from Onan. Order from your nearest Ford Distributor.

Generator Set Data Table

Model/ Specifica- tion	Electrical Data					Battery Voltage
	Watts	Volts	Hertz	Wire	Phase	
50GGHE*	50,000	#	50	4,6,12	1 or 3	12 VDC
60GGHE*	60,000	#	60	4,6,12	1 or 3	12 VDC
70GGHF*	70,000	#	50	4,6,12	1 or 3	12 VDC
75GGHF*	75,000	#	60	4,6,12	1 or 3	12 VDC

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

Broad Range Reconnectible.

Index

- Adapter, Duct – Radiator, **32**
- Adapter, Generator, **7, 55**
- Adapter, Generator Stator, **55**
- Adapter, Oil Drain, **30**
- Adapter, Oil Filter, **29**
- Alarm, Common, **66**
- Alternator, **46**
- Ammeter, AC – Detector Control, **61**
- Armature, Starter, **45**

- Bearing, Ball – Generator, **55**
- Bearing, Starter (Commutator End), **45**
- Bearing, Starter (Pinion End), **45**
- Bell, End, **57**
- Belt, Serpentine, **7**
- Block, Terminal – Detector Control, **61**
- Block, Terminal – Generator Heater, **51**
- Board, Printed Circuit – Alarm Relay, **65**
- Board, Printed Circuit – Common Alarm, **66**
- Board, Printed Circuit – Engine Monitor – Detector Control, **61**
- Board, Printed Circuit – Isolation Transformer, **64**
- Board, Printed Circuit – Sensor Board – Detector Control, **61**
- Board, Printed Circuit – Time Delay Start/Stop, **67**
- Board, Printed Circuit – Voltage Regulator, **64**
- Box, Control, **61**
- Box, Entrance, **48**
- Box, Terminal – Generator Heater, **51**
- Bracket, Alternator, **7**
- Bracket, Control Mounting – Control Housing, **49**
- Bracket, Mounting – Coolant Heater, **28**
- Bracket, Mounting – Generator Foot, **57**
- Bracket, Mounting – Main Circuit Breaker, **73**
- Breaker, Circuit – Main, **75**
- Breather, Air Cleaner, **8**
- Bulb, Replacement – Emergency Stop Switch, **70**

- Cable, Battery, **7**
- Cable, Heater – Control, **59**
- Carburetor, **9**
- Cartridge, Generator Heater, **51**
- Cleaner, Air, **8**
- Clutch, Starter, **45**
- Cock, Drain – Radiator, **35**
- Control, Detector, **61**
- Cover – Main Circuit Breaker, **73**
- Cover, End Bell – PMG, **52**
- Cover, Housing – Control, **49**
- Cover, Stator – Generator, **55**
- Cover, Terminal Box – Generator Heater, **51**

- Disc, Drive – Generator, **55**
- Door, Control – Detector Control, **61**
- Drain, Oil, **30**

- Edging – Control Housing, **49**

- Exhaust System – With Threaded Exhaust Pipe, **24**
- Extension, Radiator Drain, **31**
- External Engine Parts, **7**

- Fan, Alternator, **46**
- Fan, Radiator, **35**
- Filter, Air, **8**
- Filter, Oil, **29**
- Flywheel, **7**
- Frame, Starter (Commutator End), **45**
- Fuel, System – LP Liquid, **21**
- Fuel, System – LP Vapor, **13**
- Fuel, System – LP Vapor With Pressure Switch, **16, 17**
- Fuel, System – Natural Gas, **11**
- Fuel, System – Natural Gas / LP Liquid, **23**
- Fuel, System – Natural Gas / LP Vapor, **19**
- Fuel, System – Natural Gas With Pressure Switch, **15**
- Fuse – Engine Monitor Board – Detector Control, **61**

- Gasket, Oil Drain, **30**
- Gasket, Oil Filter Adapter, **29**
- Gauge, Oil Pressure – Control Mounted – Detector Control, **61**
- Gauge, Water Temperature – Control Mounted – Detector Control, **61**
- Gear, Ring, **7**
- Generator, **55**
- Generator, Permanent Magnet, **52**
- Governor, **47**
- Grille, Radiator, **32**
- Guard, Fan – Generator, **57**
- Guard, Fan – Radiator, **35**
- Guard, Fan – Remote Radiator, **33**
- Guard, Manifold, **7**

- Harness, Wiring – AC Auxiliary, **63**
- Harness, Wiring – AC Control Door – Detector Control, **61**
- Harness, Wiring – Alarm Relay Board, **65**
- Harness, Wiring – Common Alarm, **66**
- Harness, Wiring – DC Control Door – Detector Control, **61**
- Harness, Wiring – Engine to Control, **63**
- Harness, Wiring – Ignition, **7**
- Harness, Wiring – Low Battery Voltage, **68**
- Harness, Wiring – Low Coolant Level Sender, **27**
- Harness, Wiring – PMG, **52**
- Harness, Wiring – Terminal Block – Detector Control, **61**
- Harness, Wiring – Time Delay Start/Stop, **67**
- Harness, Wiring – Vacuum Switch, **53**
- Heater, Control, **59**
- Heater, Engine Coolant, **28**
- Heater, Generator, **51**
- Hose, Air Inlet – Air Cleaner, **8**
- Hose, Breather, **7**
- Hose, Drain – Radiator Drain Extension, **31**
- Hose, Heater – Coolant Heater, **28**
- Hose, Oil Drain, **30**
- Hose, Overflow – Radiator, **35**

Index

- Hose, Radiator, **35**
- Hose, Radiator – Remote Radiator, **33**
- Housing, Control, **49**
- Housing, Generator Set – F172 Enclosure, **39**
- Housing, Generator Set – F173 Enclosure with Double Front Duct – GGHF, **41**
- Housing, Generator Set – F173 Enclosure with Single Front Duct, **39**
- Housing, Generator Set – Standard Weather Protective, **37**
- Housing, Starter, **45**
- Hub, Drive – Generator, **55**

- Isolator, Vibration – Detector Control, **61**

- Kit, Starter Brush, **45**

- Lead – Main Circuit Breaker, **75**
- Lens, Indicator – Low Battery Voltage, **68**
- Light Assembly, Indicator – Detector Control, **61**
- Light, Indicator – Upper and Lower Scale – Detector Control, **61**
- Light, Panel – Detector Control, **61**
- Lug, Solderless – Entrance Box, **48**
- Lug, Solderless – Main Circuit Breaker, **73**

- Meter, Frequency – Detector Control, **61**
- Meter, Hour – Detector Control, **61**
- Module, Ignition, **7**
- Muffler – Sound Attenuating Enclosure, **26**
- Muffler, Residential, **25**

- Package, Mounting Hardware – Main Circuit Breaker, **75**
- Paint, **4**
- Pan, Skid, **42**
- Pickup, Magnetic – Governor, **47**
- Pin, Parallel – PMG, **52**
- Plate, Audible Signal, **69**
- Plate, Pressure, **57**
- Potentiometer – Voltage Regulator, **64**
- Pulley, Alternator, **46**
- Pulley, Idler, **7**
- Pulley, Water Pump, **7**

- Radiator, **35**
- Radiator, Remote, **33**
- Rectifier, Power – Control Heater, **59**
- Regulator, Voltage, **64**
- Resistor – Voltage Regulator, **64**
- Rotor, Exciter, **55**
- Rotor, Generator, **55**
- Rotor, PMG, **52**

- Sealant, Thread, **4**
- Sender, Low Coolant Level, **27**
- Sender, Oil Pressure, **29**
- Sender, Water Temperature, **7**
- Sensor, Low Battery Voltage, **68**
- Shroud, Radiator, **35**
- Signal, Audible, **69**
- Skid, Basic, **43**
- Skid, Housing Compatible, **44**
- Standoff, Insulator – Main Circuit Breaker, **73**
- Starter Components, **45**
- Stator, Exciter – Generator, **57**
- Stator, Generator, **58**
- Stator, PMG, **52**
- Strap, Ground – Detector Control, **61**
- Switch, Emergency Stop, **70**
- Switch, Rocker – Lamp Test/Reset Panel Lamp – Detector Control, **61**
- Switch, Rocker – Run/Stop/Remote – Detector Control, **61**
- Switch, Rotary – Voltmeter/Ammeter – Detector Control, **61**
- Switch, Starter, **45**
- Switch, Trip Alarm – Main Circuit Breaker, **75**
- Switch, Vacuum, **53**

- Transformer, Current, **71**
- Tray, Battery, **36**
- Trip, Shunt – Main Circuit Breaker, **75**

- Valve, PCV, **7**
- Valve, Shutoff – Oil Drain, **30**
- Valve, Shutoff – Radiator Drain, **31**
- Voltmeter, AC – Detector Control, **61**
- Voltmeter, DC – Detector Control, **61**

Abbreviations

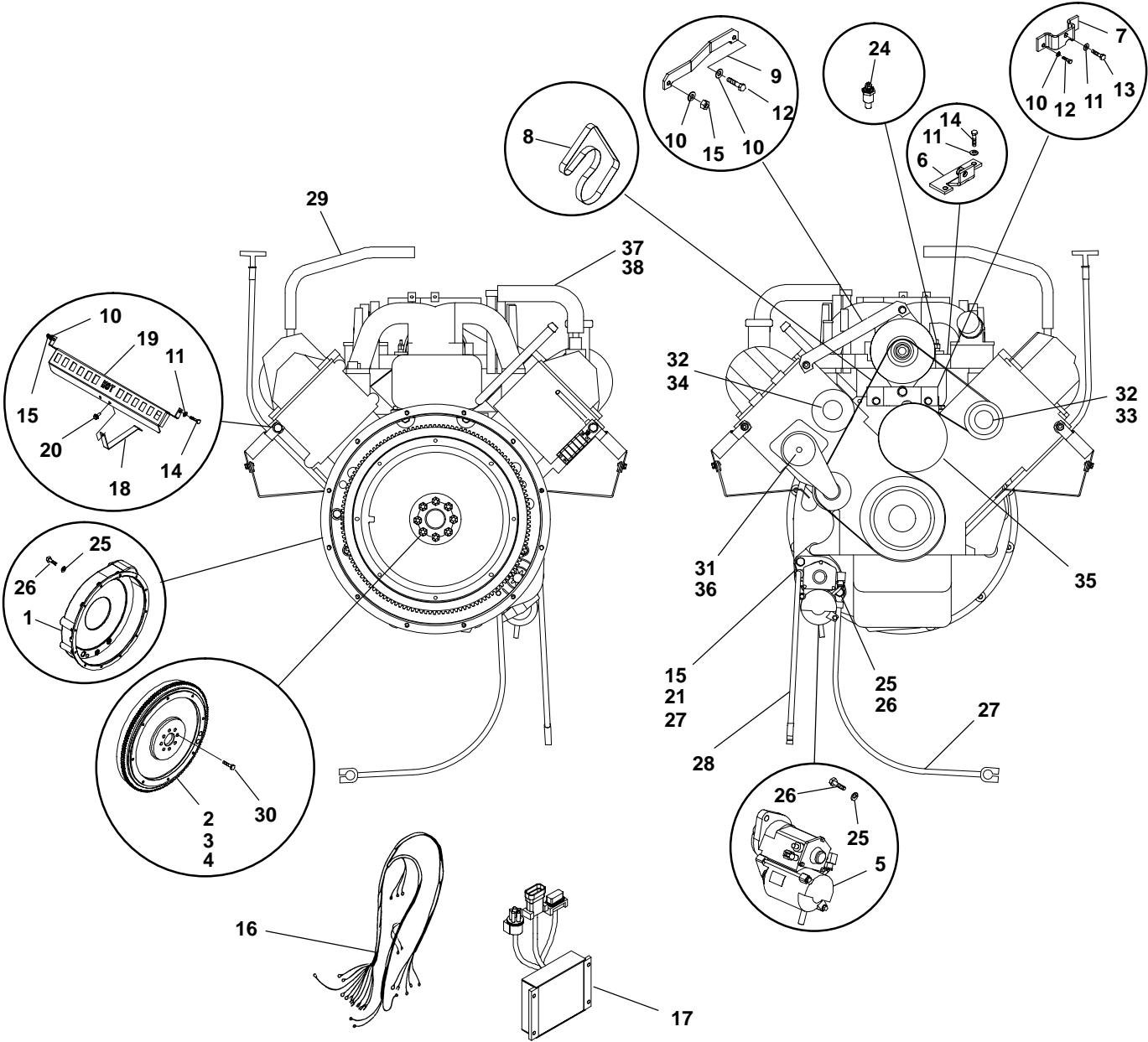
Some of the following abbreviations may be used throughout this Parts Catalog:

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

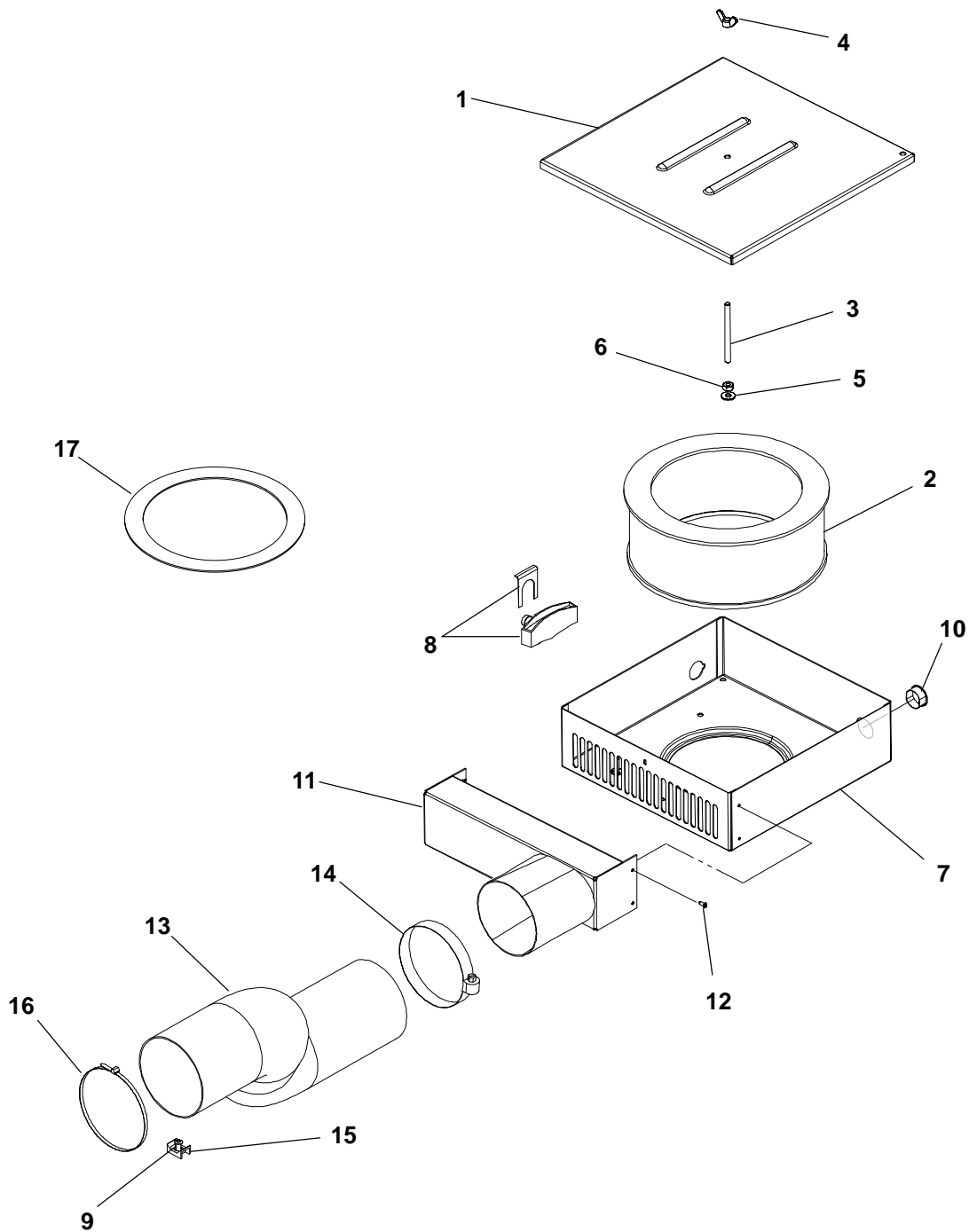


External Engine Parts

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	231-0394-02	1	Adapter, Generator	20	821-6002-02	2	Screw, Hex Head (M6 x 1.0 x 12)
2	104-1971	1	Flywheel and Ring Gear (Includes Parts Marked *)	21	850-2008	2	Washer, Lock – Split (M8)
3	104-1970	1	* Flywheel	22	850-2005	1	Washer, Lock – Split (M5)
4	104-1949	1	* Gear, Ring	23	860-2006	1	Nut, Hex (M5 x 0.8)
5	191-2213	1	Starter (1.4 Kw) (See separate page for components)	24	193-0318	1	Sender, Water Temperature
6	191-2288-02	1	Bracket, Alternator – Rear	25	850-2010	7	Washer, Lock – Split (M10)
7	191-2280-02	1	Bracket, Alternator – Front	26	800-2088	7	Screw, Cap – Hex Head (M10 x 1.5 x 35)
8	511-0161-18	1	Belt, Serpentine	27	416-0549	2	Cable, Battery
9	191-2281-02	1	Bracket, Alternator	28	416-1019	1	Boot, Battery (Red)
10	526-2100	6	Washer, Flat (M8)	29	503-2166	1	Hose, Breather
11	526-2120	5	Washer, Flat (M10)	30	104-1974	8	Bolt, Flywheel (M10 x 1.5 x 26.5)
12	800-2058	3	Screw, Cap – Hex Head (M8 x 1.25 x 25)	31	130-5256	3	Screw, Tensioner
13	800-2097	1	Screw, Cap – Hex Head (M10 x 1.5 x 80)	32	130-5257	2	Screw, Idler
14	800-2086	4	Screw, Cap – Hex Head (M10 x 1.5 x 35)	33	512-0209	1	Pulley, Idler (8 Groove)
15	860-2008	5	Nut, Hex (M8 x 1.25)	34	512-0210	1	Pulley, Idler (Flat)
16	166-0873	1	Harness, Wiring – Ignition	35	512-0211	1	Pulley, Water Pump
17	166-0871	1	Module, Ignition	36	512-0212	1	Belt Tensioner Assembly
18	154-3107-02	2	Strap, Guard – Manifold	37	503-2168	1	Hose, C/Case – Vent
19	154-3100-02	2	Guard, Manifold	38	504-0202	1	Valve, PCV

* – Parts Included in 104-1971 Flywheel Assembly

Air Cleaner

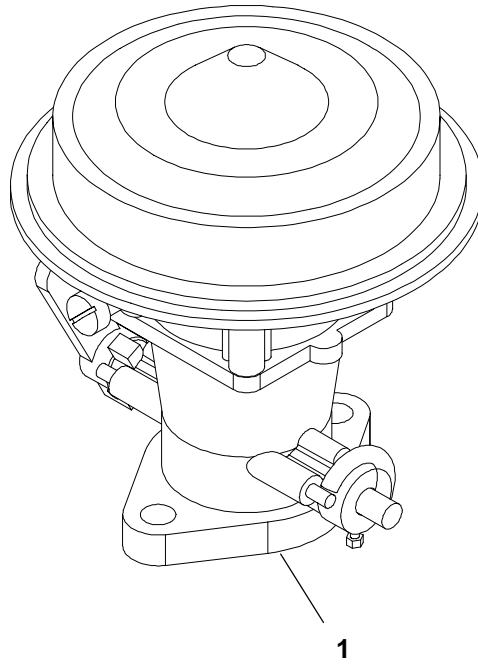


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-3140	1	Cleaner, Air – Top
2	140-3147	1	Filter, Air
3	520-1011	1	Stud (1/4-20 x 3.12)
4	865-0020	1	Nut, Wing
5	526-0018	1	Washer, Flat (1/4)
6	862-0001	1	Nut, Hex (1/4-20)
7	140-3269	1	Cleaner, Air – Bottom
8	140-3146-01	1	Breather, Air Cleaner
9	818-0231-02	1	* Rivet, Pop (3/16)
10	517-0289	1	Plug, Hole

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
11	140-3267	1	* Box, Air
12	818-0237-01	7	* Rivet, Pop
13	140-3265	1	* Hose, Air Inlet
14	503-1870-07	1	* Clamp, Hose
15	332-3561	1	* Base, Mounting
16	332-1389	1	* Tie, Cable
17	140-3246	1	Gasket, Air Cleaner

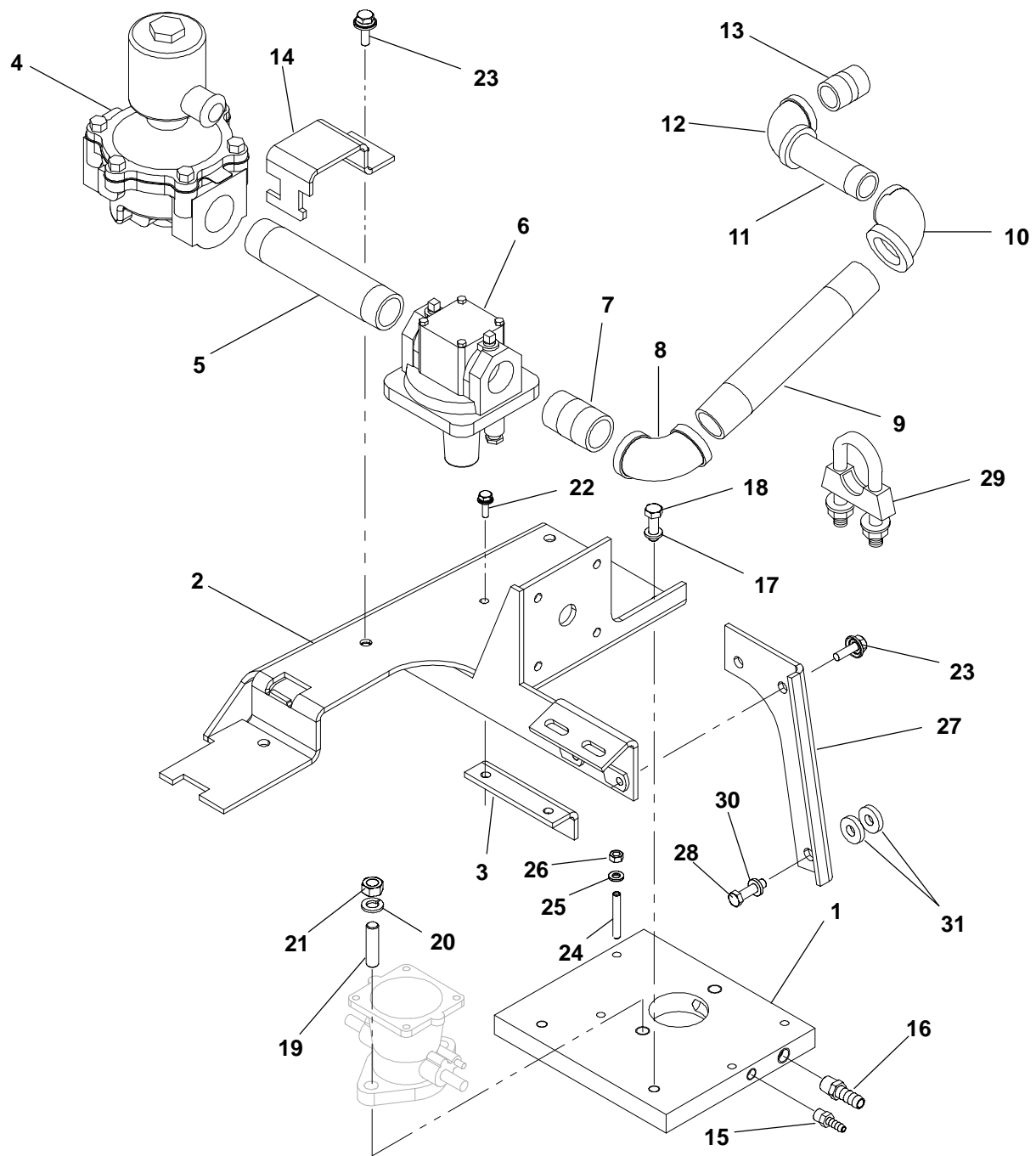
* – Used on Generator Sets with F172 or F173 Enclosure

Carburetor



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	148-1140	1	Carburetor (Includes Gaskets)				
	140-3246	1	Gasket, Air Cleaner				
	141-0787	1	Gasket, Flange (1-3/4")				

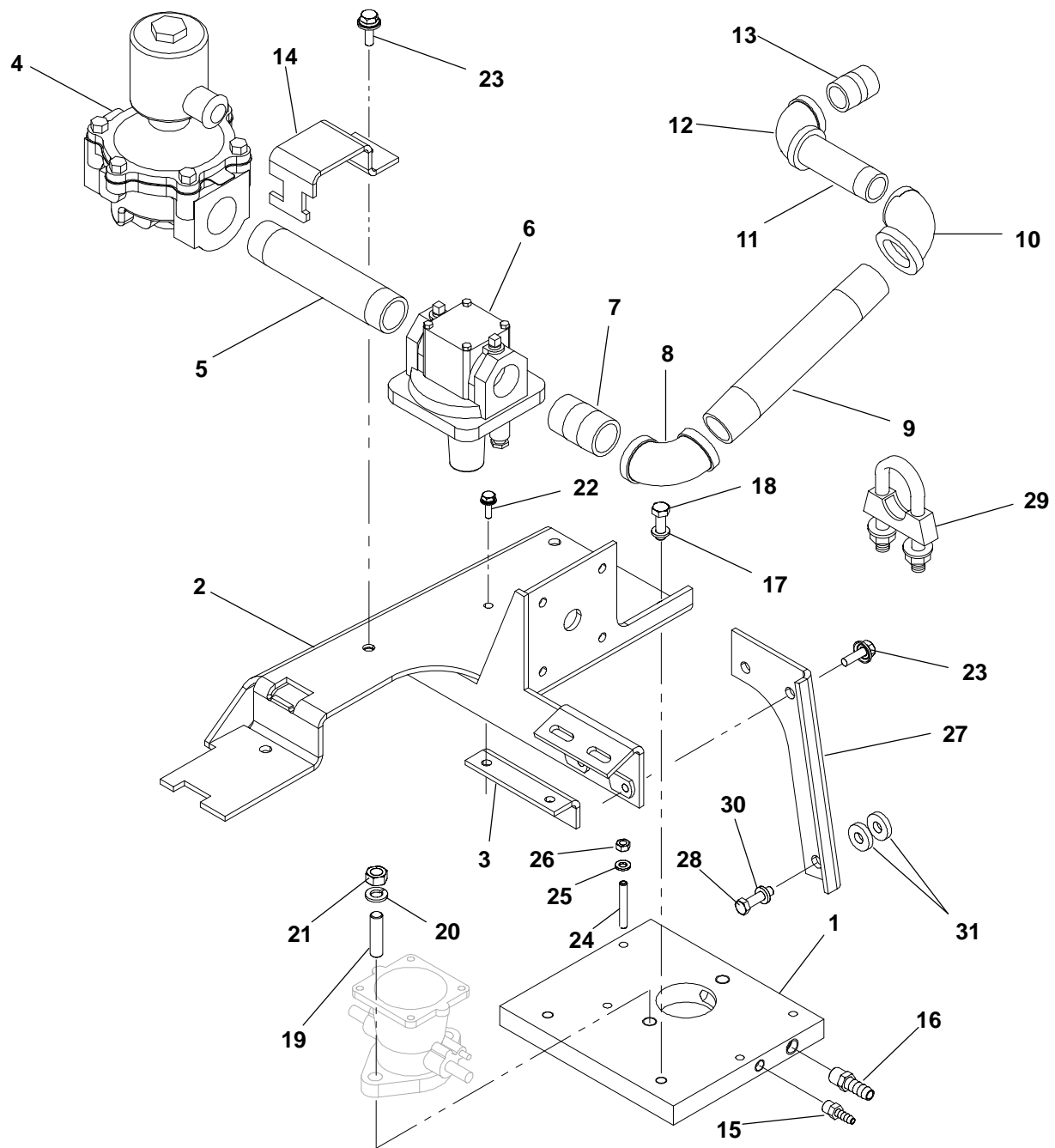
Fuel System Natural Gas



Fuel System Natural Gas

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	145-0781	1	Adapter, Carburetor	19	520-2407	2	Stud (M10 x 1.5 x 40)
2	151-0775-02	1	Bracket, Governor	20	850-0114-55	2	Washer, Lock – Split (M10)
3	151-0776-02	1	Bracket, Governor – Fuel	21	860-2009	2	Nut, Hex (M10 x 1.5)
4	307-2884	1	Valve, Solenoid	22	821-6002-03	4	Screw, Hex Head (M6 x 1.0 x 16)
5	505-0091	1	Nipple, Pipe (1.0 x 7.0)	23	821-6003-02	3	Screw, Hex Head (M8 x 1.25 x 20)
6	148-0601	1	Regulator	24	520-1024	4	Stud, Double Ended (M6 x 1.0 x 45)
7	505-0004	1	Nipple, Pipe (1.0 x 1.50)	25	526-2080	4	Washer, Flat (M6)
8	505-0041	1	Elbow, Pipe	26	862-0026-54	4	Nut, Hex (M6 x 1.0)
9	505-1524	1	Nipple, Pipe (1.0 x 7.5)	27	145-0796-02	1	Bracket, Fuel System
10	505-0356	1	Elbow – 90°	28	800-2089	1	Screw, Cap – Hex Head (M10 x 1.5 x 40)
11	505-0337	1	Nipple, Pipe (3/4 x 4.0)	29	155-1256	1	Clamp, Muffler (1.50")
12	505-0132	1	Elbow, Pipe	30	526-0174	1	Washer, Flat (3/8)
13	505-0102	1	Nipple, Pipe (3/4 x 1.38)	31	526-0393	2	Washer, Flat (M10)
14	148-1090	1	Clamp, Fuel System				
15	502-1299	1	Connector, Hose (1/8 x 3/16)				
16	502-1162	1	Connector, Hose (1/4 x 3/8)				
17	526-2100	4	Washer, Flat (M8)				
18	800-3017-20	2	Screw, Cap – Hex Head (M8 x 1.25 x 25)				

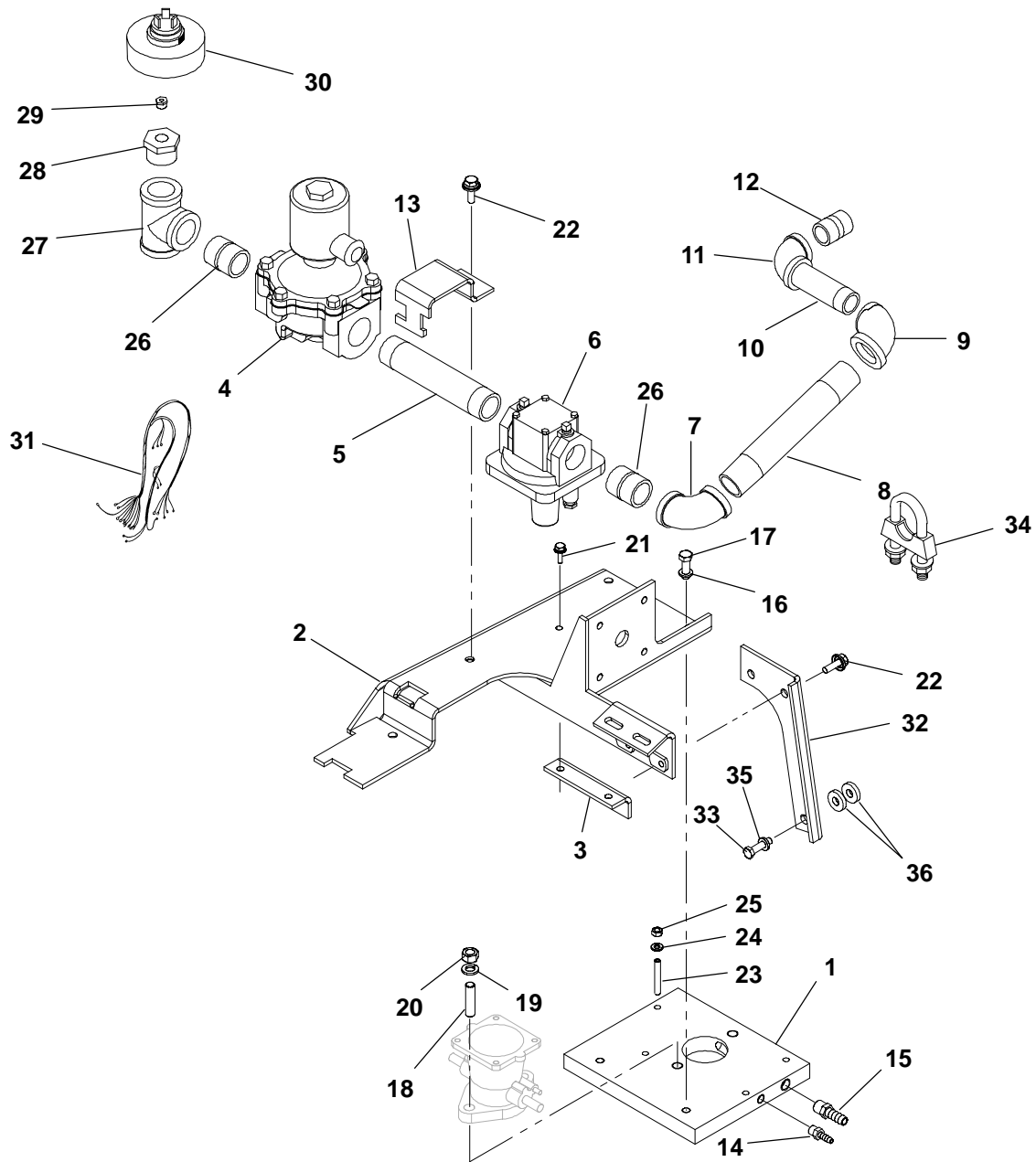
Fuel System LP Vapor



Fuel System LP Vapor

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	145-0781	1	Adapter, Carburetor	19	520-2407	2	Stud (M10 x 1.5 x 40)
2	151-0775-02	1	Bracket, Governor	20	850-0114-55	2	Washer, Lock – Split (M10)
3	151-0776-02	1	Bracket, Governor – Fuel	21	860-2009	2	Nut, Hex (M10 x 1.5)
4	307-2884	1	Valve, Solenoid	22	821-6002-03	4	Screw, Hex Head (M6 x 1.0 x 16)
5	505-0091	1	Nipple, Pipe (1.0 x 7.0)	23	821-6003-02	3	Screw, Hex Head (M8 x 1.25 x 20)
6	148-0636		Regulator	24	520-1024	4	Stud, Double Ended (M6 x 1.0 x 45)
7	505-0004	1	Nipple, Pipe (1.0 x 1.5)	25	526-2080	4	Washer, Flat (M6)
8	505-0041	1	Elbow, Pipe	26	862-0026-54	4	Nut, Hex (M6 x 1.0)
9	505-1524	1	Nipple, Pipe (1.0 x 7.5)	27	145-0796-02	1	Bracket, Fuel System
10	505-0356	1	Elbow – 90°	28	800-2089	1	Screw, Cap – Hex Head (M10 x 1.5 x 40)
11	505-0337	1	Nipple, Pipe (3/4 x 4.0)	29	155-1256	1	Clamp, Muffler (1.50")
12	505-0132	1	Elbow, Pipe	30	526-0174	1	Washer, Flat (3/8)
13	505-0102	1	Nipple, Pipe (3/4 x 1.38)	31	526-0393	2	Washer, Flat (M10)
14	148-1090	1	Clamp, Fuel System				
15	502-1299	1	Connector, Hose (1/8 x 3/16)				
16	502-1162	1	Connector, Hose (1/4 x 3/8)				
17	526-2100	4	Washer, Flat (M8)				
18	800-3017-20	2	Screw, Cap – Hex Head (M8 x 1.25 x 25)				

Fuel System Natural Gas With Pressure Switch

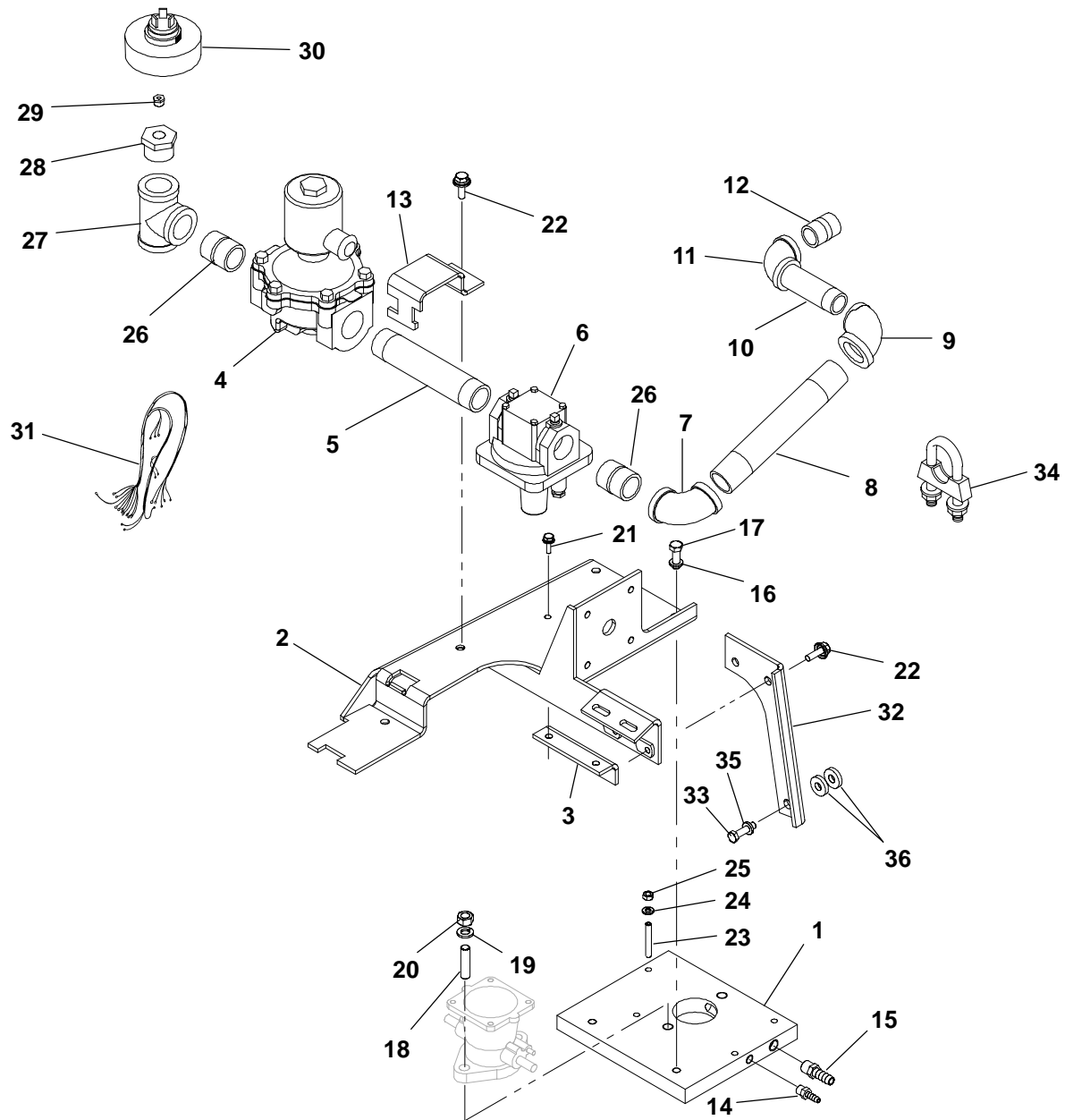


Fuel System

Natural Gas With Pressure Switch

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	145-0781	1	Adapter, Carburetor	21	821-6002-03	4	Screw, Hex Head (M6 x 1.0 x 16)
2	151-0775-02	1	Bracket, Governor	22	821-6003-02	3	Screw, Hex Head (M8 x 1.25 x 20)
3	151-0776-02	1	Bracket, Governor – Fuel	23	520-1024	4	Stud, Double Ended (M6 x 1.0 x 45)
4	307-2884	1	Valve, Solenoid	24	526-2080	4	Washer, Flat (M6)
5	505-0091	1	Nipple, Pipe (1.0 x 7.0)	25	862-0026-54	4	Nut, Hex (M6 x 1.0)
6	148-0601	1	Regulator	26	505-0004	2	Nipple, Pipe (1.0 x 1.50)
7	505-0041	1	Elbow, Pipe	27	505-0304	1	Tee, Pipe
8	505-1524	1	Nipple, Pipe (1.0 x 7.5)	28	505-0802	1	Bushing, Reducer (1.0 x 1/4)
9	505-0356	1	Elbow – 90°	29	505-0007	1	Bushing, Reducer (1/4 x 1/8)
10	505-0337	1	Nipple, Pipe (3/4 x 4.0)	30	309-0669	1	Switch, Low Pressure
11	505-0132	1	Elbow, Pipe	31	338-3666	1	Harness, Wiring – Dual Fuel
12	505-0102	1	Nipple, Pipe (3/4 x 1.38)	32	145-0796-02	1	Bracket, Fuel System
13	148-1090	1	Clamp, Fuel System	33	800-2089	1	Screw, Cap – Hex Head (M10 x 1.5 x 40)
14	502-1299	1	Connector, Hose (1/8 x 3/16)	34	155-1256	1	Clamp, Muffler (1.50")
15	502-1162	1	Connector, Hose (1/4 x 3/8)	35	526-0174	1	Washer, Flat (3/8)
16	526-2100	4	Washer, Flat (M8)	36	526-0393	2	Washer, Flat (M10)
17	800-3017-20	2	Screw, Cap – Hex Head (M8 x 1.25 x 25)				
18	520-2407	2	Stud (M10 x 1.5 x 40)				
19	850-0114-55	2	Washer, Lock – Split (M10)				
20	860-2009	2	Nut, Hex (M10 x 1.5)				

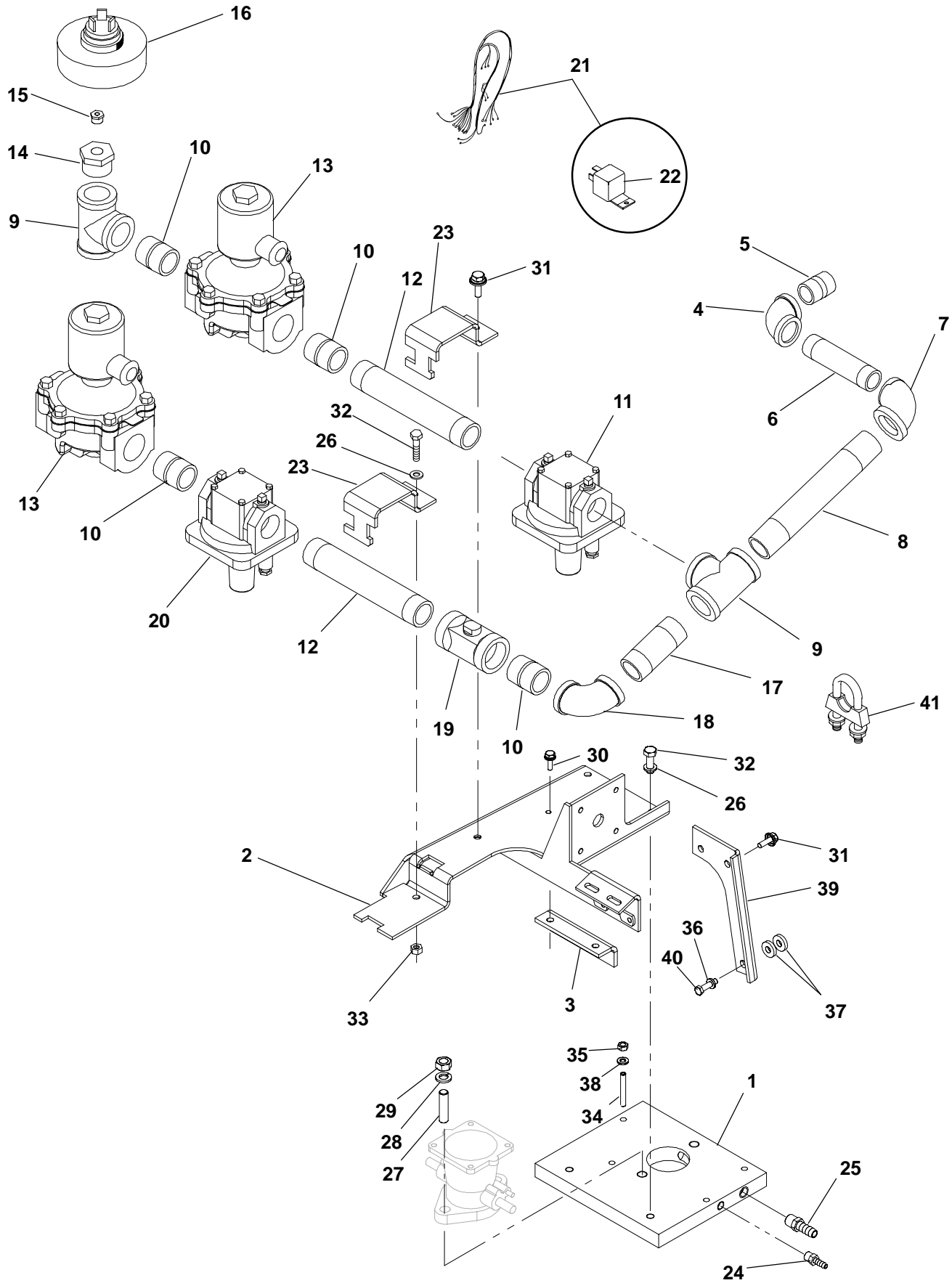
Fuel System LP Vapor With Pressure Switch



Fuel System LP Vapor With Pressure Switch

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	145-0781	1	Adapter, Carburetor	21	821-6002-03	4	Screw, Hex Head (M6 x 1.0 x 16)
2	151-0775-02	1	Bracket, Governor	22	821-6003-02	3	Screw, Hex Head (M8 x 1.25 x 20)
3	151-0776-02	1	Bracket, Governor – Fuel	23	520-1024	4	Stud, Double Ended (M6 x 1.0 x 45)
4	307-2884	1	Valve, Solenoid	24	526-2080	4	Washer, Flat (M6)
5	505-0091	1	Nipple, Pipe (1.0 x 7.0)	25	862-0026-54	4	Nut, Hex (M6 x 1.0)
6	148-0636		Regulator	26	505-0004	2	Nipple, Pipe (1.0 x 1.50)
7	505-0041	1	Elbow, Pipe	27	505-0304	1	Tee, Pipe
8	505-1524	1	Nipple, Pipe (1.0 x 7.5)	28	505-0802	1	Bushing, Reducer (1.0 x 1/4)
9	505-0356	1	Elbow – 90°	29	505-0007	1	Bushing, Reducer (1/4 x 1/8)
10	505-0337	1	Nipple, Pipe (3/4 x 4.0)	30	309-0669	1	Switch, Low Pressure
11	505-0132	1	Elbow, Pipe	31	338-3666	1	Harness, Wiring – Dual Fuel
12	505-0102	1	Nipple, Pipe (3/4 x 1.38)	32	145-0796-02	1	Bracket, Fuel System
13	148-1090	1	Clamp, Fuel System	33	800-2089	1	Screw, Cap – Hex Head (M10 x 1.5 x 40)
14	502-1299	1	Connector, Hose (1/8 x 3/16)	34	155-1256	1	Clamp, Muffler (1.50")
15	502-1162	1	Connector, Hose (1/4 x 3/8)	35	526-0174	1	Washer, Flat (3/8)
16	526-2100	4	Washer, Flat (M8)	36	526-0393	2	Washer, Flat (M10)
17	800-3017-20	2	Screw, Cap – Hex Head (M8 x 1.25 x 25)				
18	520-2407	2	Stud (M10 x 1.5 x 40)				
19	850-0114-55	2	Washer, Lock – Split (M10)				
20	860-2009	2	Nut, Hex (M10 x 1.5)				

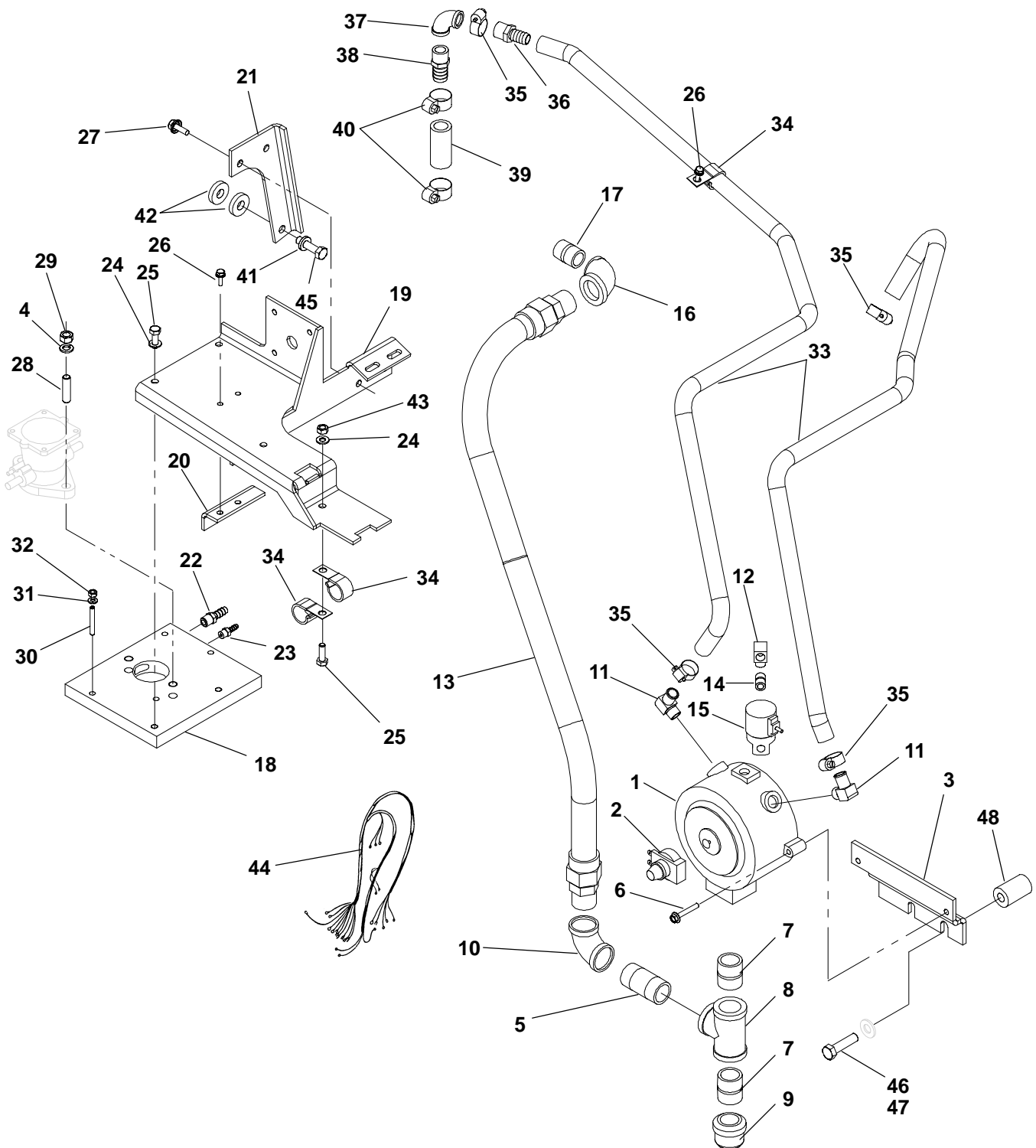
Fuel System Natural Gas / LP Vapor



Fuel System Natural Gas / LP Vapor

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	145-0781	1	Adapter, Carburetor	24	502-1299	1	Connector, Hose (1/8 x 3/16)
2	151-0775-02	1	Bracket, Governor	25	502-1162	1	Connector, Hose (1/4 x 3/8)
3	151-0776-02	1	Bracket, Governor – Fuel	26	526-2100	5	Washer, Flat (M8)
4	505-0132	1	Elbow, Pipe	27	520-2407	2	Stud (M10 x 1.5 x 40)
5	505-0102	1	Nipple, Pipe (3/4 x 1.38)	28	850-0114-55	2	Washer, Lock – Split (M10)
6	505-0337	1	Nipple, Pipe (3/4 x 4.0)	29	860-2009	2	Nut, Hex (M10 x 1.5)
7	505-0356	1	Elbow – 90°	30	821-6002-03	4	Screw, Hex Head (M6 x 1.0 x 16)
8	505-1524	1	Nipple, Pipe (1.0 x 7.5)	31	821-6003-02	3	Screw, Hex Head (M8 x 1.25 x 20)
9	505-0304	2	Tee, Pipe	32	800-3017-20	3	Screw, Cap – Hex Head (M8 x 1.25 x 25)
10	505-0004	4	Nipple, Pipe (1.0 x 1.50)	33	860-2008	1	Nut, Hex (M8 x 1.25)
11	148-0601		Regulator, Natural Gas	34	520-1024	4	Stud, Double Ended (M6 x 1.0 x 45)
12	505-0091	2	Nipple, Pipe (1.0 x 7.0)	35	862-0026-54	4	Nut, Hex (M6 x 1.0)
13	307-2884	2	Valve, Solenoid	36	526-0174	1	Washer, Flat (3/8)
14	505-0802	1	Bushing, Reducer (1.0 x 1/4)	37	526-0393	2	Washer, Flat (M10)
15	505-0007	1	Bushing, Reducer (1/4 x 1/8)	38	526-2080	4	Washer, Flat (M6)
16	309-0669	1	Switch, Low Pressure	39	145-0796-02	1	Bracket, Fuel System
17	505-0087	1	Nipple, Pipe (1.0 x 3.0)	40	800-2089	1	Screw, Cap – Hex Head (M10 x 1.5 x 40)
18	505-0041	1	Elbow, Pipe	41	155-1256	1	Clamp, Muffler (1.50")
19	148-0626	1	Valve, Load Adjusting				
20	148-0636	1	Regulator, LP Vapor				
21	338-3816-01	1	Harness, Wiring – Dual Fuel (Includes Relay)				
22	307-2817-01	1	Relay (12 Volt)				
23	148-1090	2	Clamp, Fuel System				

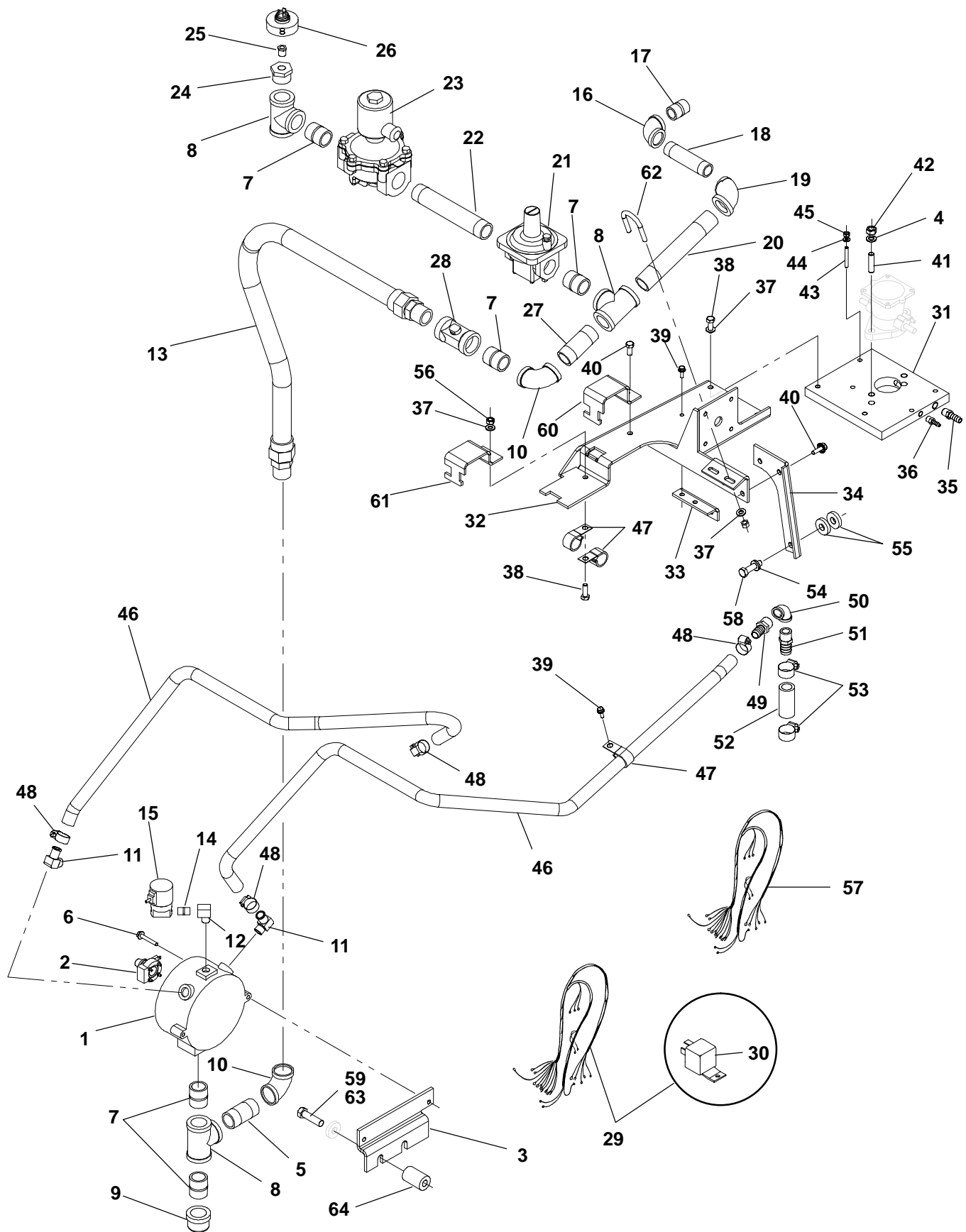
Fuel System LP Liquid



Fuel System LP Liquid

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	148-0625	1	Convertor, Gas	27	821-6003-02	2	Screw, Hex Head (M8 x 1.25 x 20)
2	148-1152	1	Solenoid, Primer	28	520-2407	2	Stud (M10 x 1.5 x 40)
3	148-1148-02	1	Bracket, Convertor	29	860-2009	2	Nut, Hex (M10 x 1.5)
4	850-0114-55	2	Washer, Lock – Split (M10)	30	520-1024	4	Stud, Steel (M6 x 1.0 x 45)
5	505-0086	1	Nipple, Pipe (1.0 x 2.50)	31	526-2080	4	Washer, Flat (M6)
6	815-0924	2	Screw, Hex Washer Head (M6 x 1.0 x 40)	32	862-0026-54	4	Nut, Hex (M6 x 1.0)
7	505-0004	2	Nipple, Pipe (1.0 x 1.50)	33	503-1988	–	Hose – Bulk (Order by the Foot – 8 Feet Required)
8	505-0304	1	Tee, Pipe	34	332-2634	3	Clamp, J
9	505-0479	1	Cap, Pipe (1.00)	35	503-0183	4	Clamp, Hose
10	505-0041	1	Elbow, Pipe	36	502-1006	1	Fitting, Hose Barb
11	502-0942	2	Elbow, Hose – 90° (3/8 x 5/8 Hose)	37	505-0040	1	Elbow, Pipe
12	502-0054	1	Elbow, Pipe – Street	38	502-0827	1	Hose, Barb
13	501-0630	1	Hose	39	503-0191	–	Hose – Bulk (Order by the Foot – 1 Foot Required)
14	505-0099	1	Nipple, Pipe (1/4 x .88)	40	503-1872-01	2	Clamp, Hose
15	307-0268-01	1	Valve, Solenoid	41	526-0174	1	Washer, Flat (M10)
16	505-0356	1	Elbow – 90°	42	526-0393	2	Washer, Flat (M10)
17	505-0102	1	Nipple, Pipe (3/4 x 1.38)	43	860-2008	1	Nut, Hex (M8 x 1.25)
18	145-0781	1	Adapter, Carburetor	44	338-3654-01	1	Harness, LPG
19	151-0775-02	1	Bracket, Governor	45	800-2089	1	Screw, Cap – Hex Head (M10 x 1.5 x 40)
20	151-0776-02	1	Bracket, Governor – Fuel	46	800-2115	2	Screw, Cap – Hex Head (M12 x 1.75 x 45) – UC274 Generator
21	145-0796-02	1	Bracket, Fuel System	47	800-2099	2	Screw, Cap – Hex Head (M10 x 1.5 x 90) – UCD224 Generator
22	502-1162	1	Connector, Hose (1/4 x 3/8 Hose)	48	130-3660-02	2	Spacer, Shock Absorber – UCD224 Generator
23	502-1299	1	Connector, Hose (1/8 x 3/16 Hose)				
24	526-2100	3	Washer, Flat (M8)				
25	800-3017-20	3	Screw, Cap – Hex Head (M8 x 1.25 x 25)				
26	821-6002-03	5	Screw, Hex Head (M6 x 1.0 x 16)				

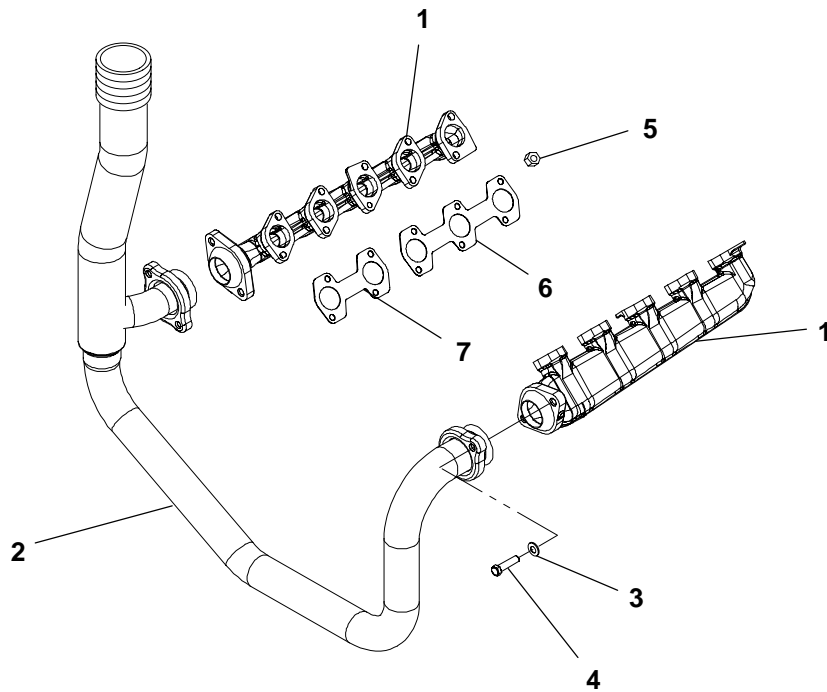
Fuel System Natural Gas / LP Liquid



Fuel System Natural Gas / LP Liquid

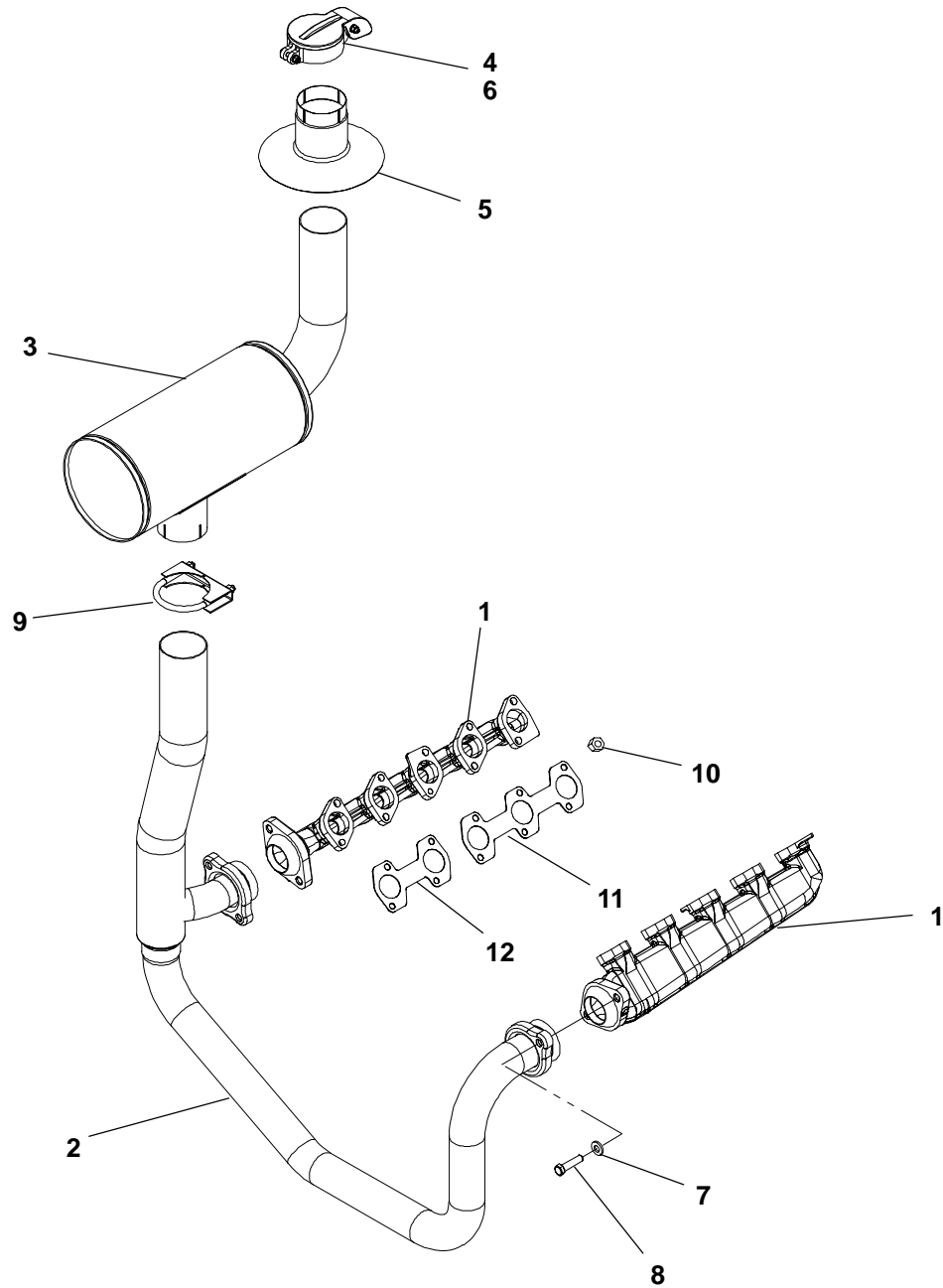
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	148-0625	1	Converter, Gas	37	526-2100	5	Washer, Flat (M8)
2	148-1152	1	Solenoid, Primer	38	800-3017-20	3	Screw, Cap – Hex Head (M8 x 1.25 x 25)
3	148-1148-02	1	Bracket, Converter	39	821-6002-03	5	Screw, Hex Head (M6 x 1.0 x 16)
4	850-0114-55	2	Washer, Lock – Split (M10)	40	821-6003-02	3	Screw, Hex Head (M8 x 1.25 x 20)
5	505-0086	1	Nipple, Pipe (1.0 x 2.50)	41	520-2407	2	Stud (M10 x 1.5 x 40)
6	815-0924	2	Screw, Hex Washer Head (M6 x 1.0 x 40)	42	860-2009	2	Nut, Hex (M10 x 1.5)
7	505-0004	5	Nipple, Pipe (1 x 1.50)	43	520-1024	4	Stud, Steel (M6 x 1.0 x 45)
8	505-0304	3	Tee, Pipe	44	526-2080	4	Washer, Flat (M6)
9	505-0479	1	Cap, Pipe (1.00)	45	862-0026-54	4	Nut, Hex (M6 x 1.0)
10	505-0041	2	Elbow, Pipe	46	503-1988	–	Hose – Bulk (Order by the Foot – 8 Feet Required)
11	502-0942	2	Elbow, Hose – 90° (3/8 x 5/8 Hose)	47	332-2634	3	Clamp, J
12	502-0054	1	Elbow, Pipe – Street	48	503-0183	4	Clamp, Hose
13	501-0630	1	Hose	49	502-1006	1	Fitting, Hose Barb
14	505-0099	1	Nipple, Pipe (1/4 x .88)	50	505-0040	1	Elbow, Pipe
15	307-0268-01	1	Valve, Solenoid	51	502-0827	1	Hose, Barb
16	505-0132	1	Elbow, Pipe	52	503-0191	–	Hose – Bulk (Order by the Foot – 1 Foot Required)
17	505-0102	1	Nipple, Pipe (3/4 x 1.38)	53	503-1872-01	2	Clamp, Hose
18	505-0337	1	Nipple, Pipe (3/4 x 4.00)	54	526-0174	1	Washer, Flat (M10)
19	505-0356	1	Elbow – 90°	55	526-0393	2	Washer, Flat (M10)
20	505-1524	1	Nipple, Pipe (1.0 x 7.50)	56	860-2008	1	Nut, Hex (M8 x 1.25)
21	148-0601	1	Regulator, Natural Gas	57	338-3654-01	1	Harness, LPG
22	505-0091	1	Nipple, Pipe (1.0 x 7.00)	58	800-2089	1	Screw, Cap – Hex Head (M10 x 1.5 x 40)
23	307-2884	1	Valve, Solenoid	59	800-2115	2	Screw, Cap – Hex Head (M12 x 1.75 x 45) – UC274
24	505-0802	1	Bushing, Reducer (1.0 x 1/4)	60	148-1090	1	Generator
25	505-0007	1	Bushing, Reducer (1/4 x 1/8)	61	148-1089	1	Clamp, Fuel System (1.00)
26	309-0669	1	Switch, Low Pressure	62	155-1256	1	Clamp, Fuel System (1.25)
27	505-0087	1	Nipple, Pipe (1.0 x 3.00)	63	800-2099	2	Clamp, Muffler (1.50)
28	148-0626	1	Valve, Load Adjusting	64	130-3660-02	2	Screw, Cap – Hex Head (M10 x 1.5 x 90) – UCD224
29	338-3816-01	1	Harness, Wiring – Dual Fuel (Includes Relay)				Generator
30	307-2817-01	1	Relay (12 Volt)				Spacer, Shock Absorber – UCD224 Generator
31	145-0781	1	Adapter, Carburetor				
32	151-0775-02	1	Bracket, Governor				
33	151-0776-02	1	Bracket, Governor – Fuel				
34	145-0796-02	1	Bracket, Fuel System				
35	502-1162	1	Connector, Hose (1/4 x 3/8 Hose)				
36	502-1299	1	Connector, Hose (1/8 x 3/16 Hose)				

Exhaust System With Treaded Exhaust Pipe



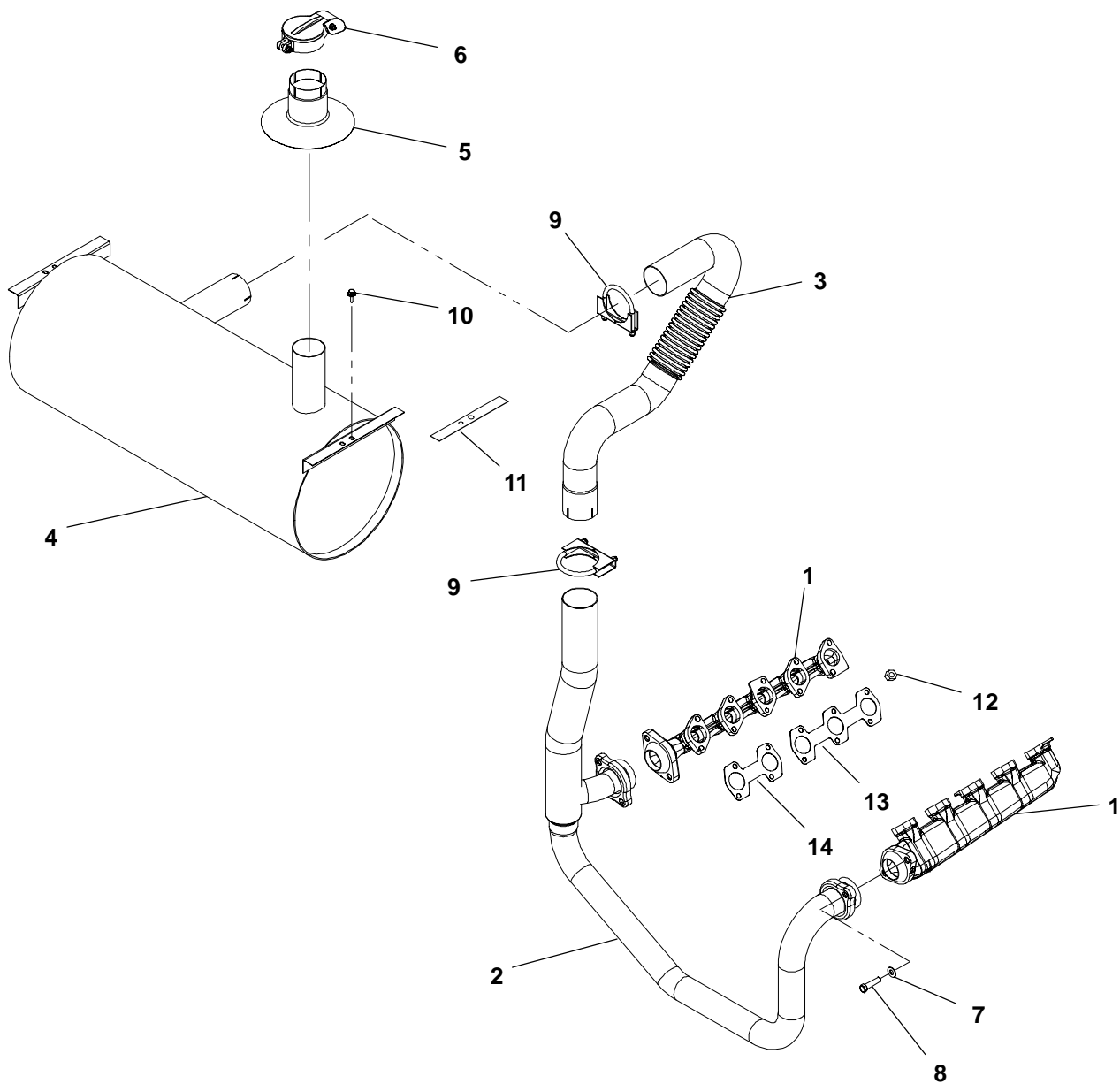
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	154-3094	2	Manifold, Exhaust	5	154-3104	20	Nut, Hex (M8 x 1.25)
2	154-3098	1	Tube, Exhaust	6	154-3105	2	Gasket, Exhaust Manifold
3	526-2140	4	Washer, Flat (M12)	7	154-3106	2	Gasket, Exhaust Manifold
4	800-2115	4	Screw, Cap – Hex Head (M12 x 1.75 x 45)				

Muffler Residential



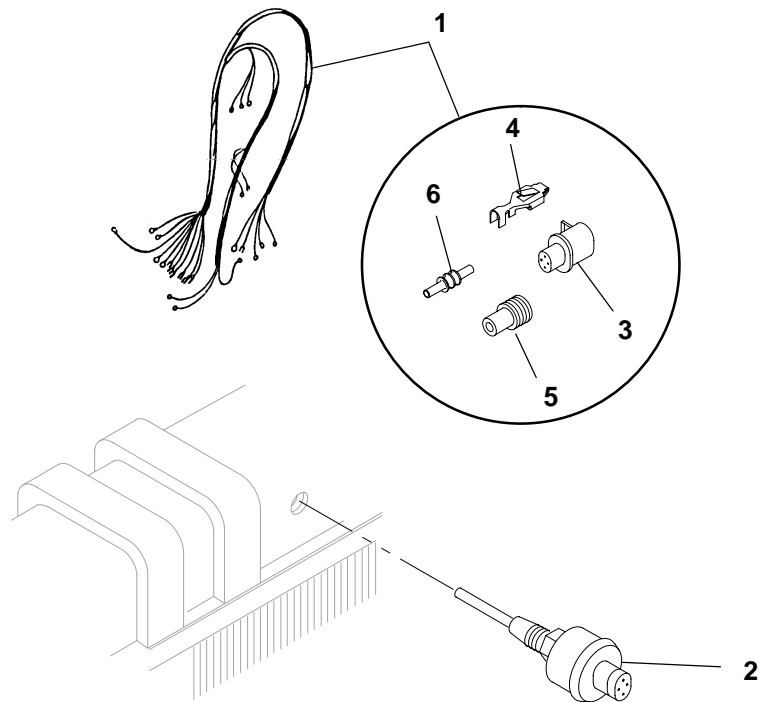
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	154-3094	2	Manifold, Exhaust	7	526-2140	4	Washer, Flat (M12)
2	154-3099	1	Tube, Exhaust	8	800-2115	4	Screw, Cap – Hex Head (M12 x 1.75 x 45)
3	155-3193	1	Silencer	9	155-2175	1	Clamp, Muffler (3.00")
4	155-2062-53	1	Cap, Rain (Housed Sets)	10	154-3104	20	Nut, Hex (M8 x 1.25)
5	155-3102-02	1	Shield, Rain (Unhoused Sets)	11	154-3105	2	Gasket, Exhaust Manifold
6	155-2062-60	1	Cap, Rain (Unhoused Sets)	12	154-3106	2	Gasket, Exhaust Manifold

Muffler Sound Attenuating Enclosure



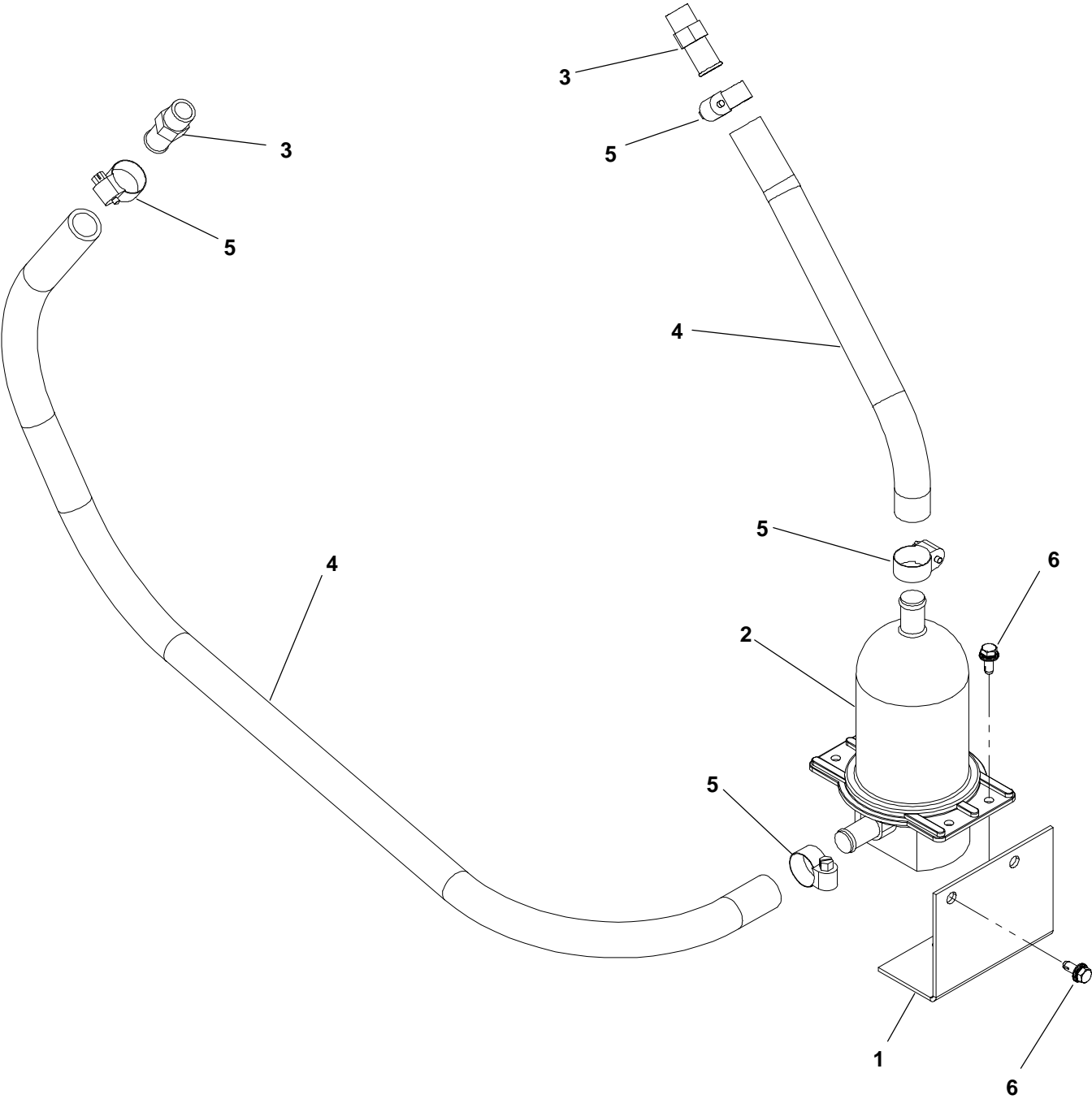
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	154-3094	2	Manifold, Exhaust	9	155-2175	2	Clamp, Muffler (3.00")
2	154-3099	1	Tube, Exhaust	10	821-6003-02	2	Screw, Hex Head (M8 x 1.25 x 20)
3	154-3048	1	Tube, Exhaust	11	154-2708	2	Gasket, Exhaust
4	155-3167	1	Silencer	12	154-3104	20	Nut, Hex (M8 x 1.25)
5	155-3102-02	1	Shield, Rain	13	154-3105	2	Gasket, Exhaust Manifold
6	155-2062-60	1	Cap, Rain	14	154-3106	2	Gasket, Exhaust Manifold
7	526-0356	4	Washer, Flat (7/16)				
8	800-0315	4	Screw, Cap - Hex Head (7/16-14 x 1.75)				

Low Coolant Level Sender



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-3751	1	Harness, Low Coolant Level (Includes Parts Marked *)	5	323-1708	4	*Seal, Cable
2	193-0468	1	Sender, Low Coolant Level	6	323-1712	1	*Plug, Cavity
3	323-1765	1	*Housing, Connector (4 Pin)	* - Parts Included in 338-3751 Wiring Harness			
4	323-1709	4	*Socket, Contact (Used in S7)				

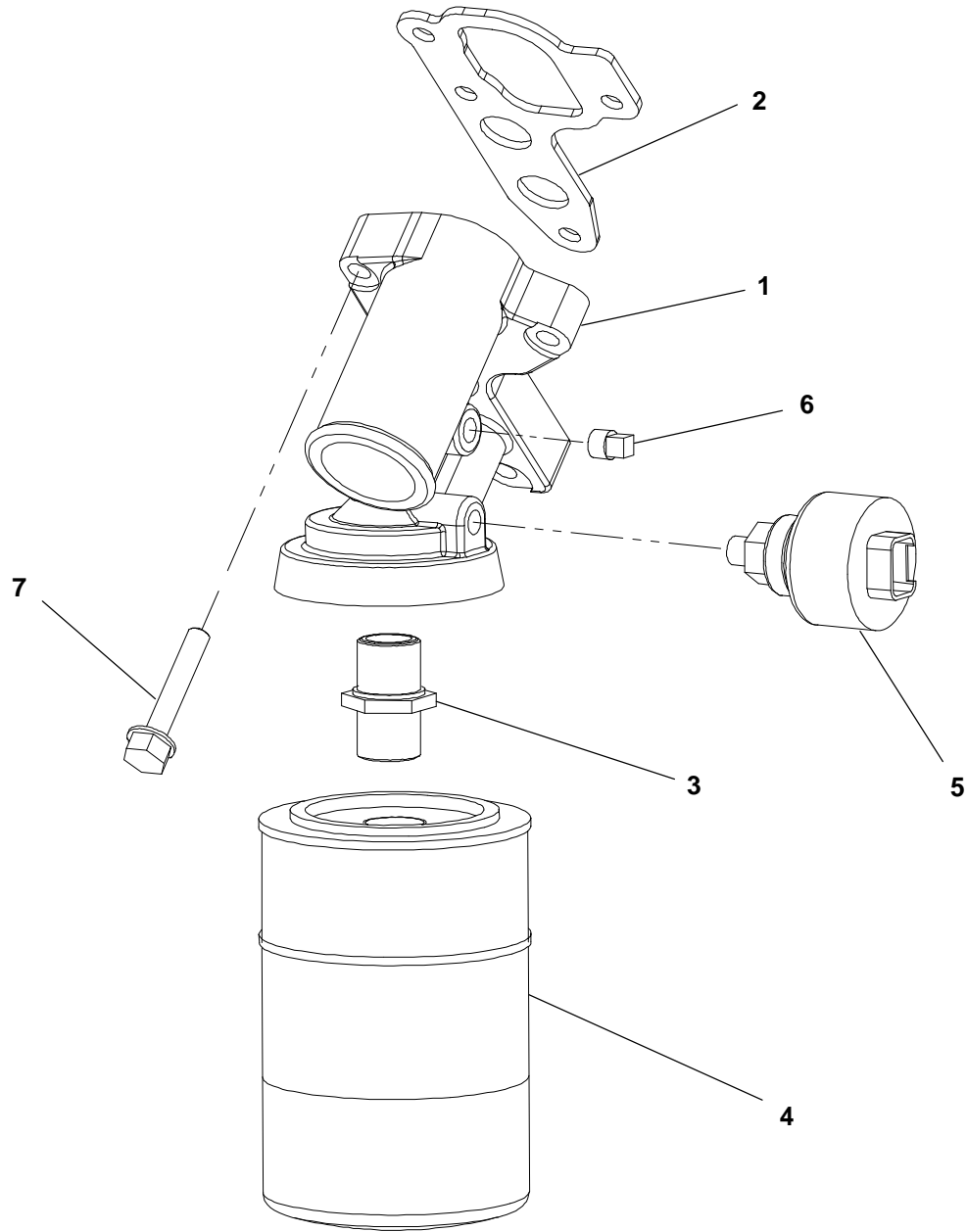
Coolant Heater



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	333-0616	1	Bracket, Mounting
2	333-0588-03	1	Heater, Engine Coolant 120V
	333-0588-04	1	240V
3	502-0943	2	Connector, Hose

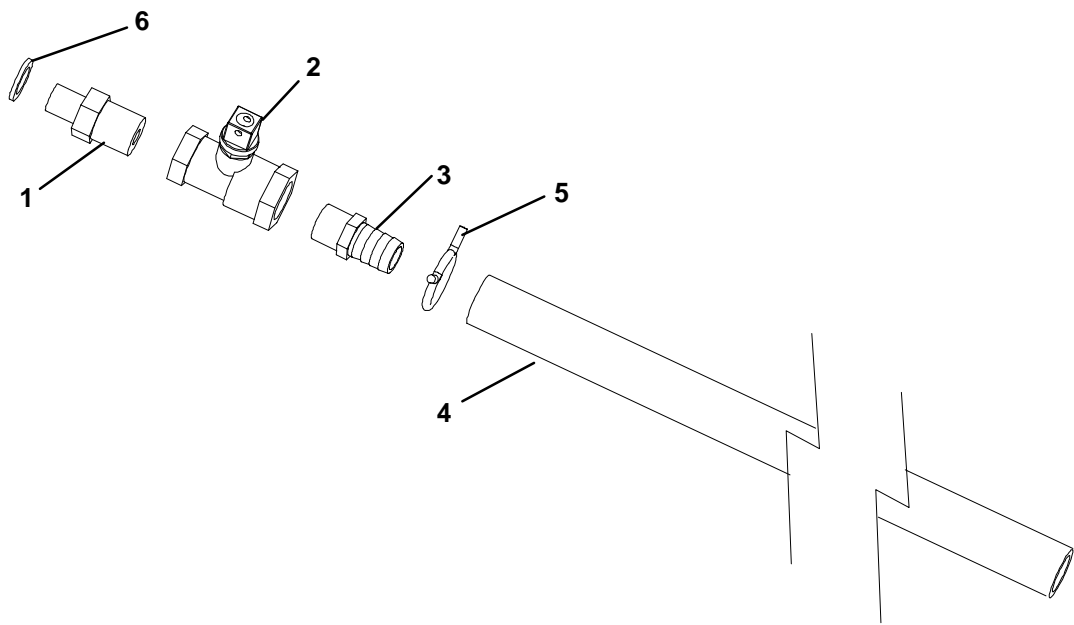
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	503-0386	—	Hose, Heater – Bulk (Order by the Foot – 5 Feet Required)
5	503-0183	4	Clamp, Hose
6	821-6006-01	4	Screw, Hex Head (M6 x 1 x 16)

Oil Filter



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	122-0837	1	Adapter, Oil Filter	5	193-0448	1	Sender, Oil Pressure
2	122-0842	1	Gasket, Oil Filter Adapter	6	505-0057	1	Plug, Square Head
3	122-0838-02	1	Stud, Oil Filter	7	815-0970	4	Screw, Hex – Flange Head (M8 x 1.25 x 40)
4	122-0841	1	Filter, Oil				

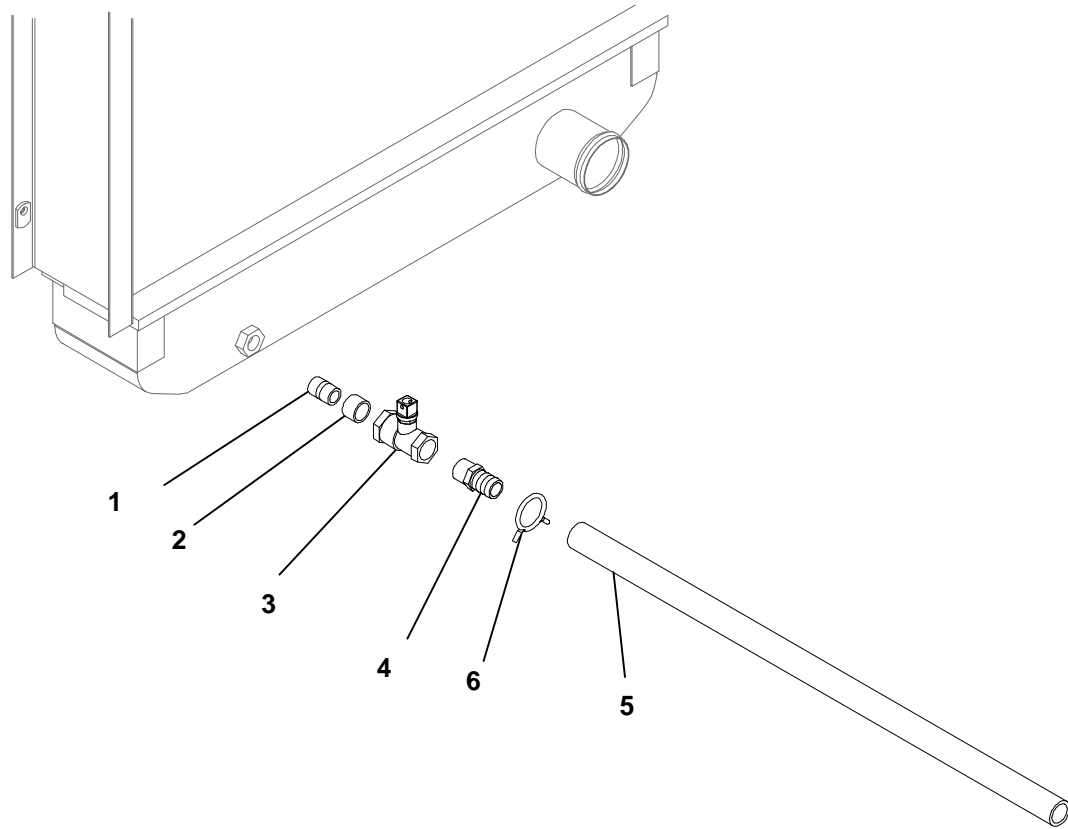
Oil Drain



H268

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	102-1054	1	Adapter, Oil Drain	4	503-1195	1	Hose, Oil Drain (18")
2	504-0011	1	Valve, Shutoff	5	503-0197	1	Clamp, Hose
3	502-0827	1	Barb, Hose (1/2 x 3/4)	6	102-1320	1	Gasket, Oil Drain

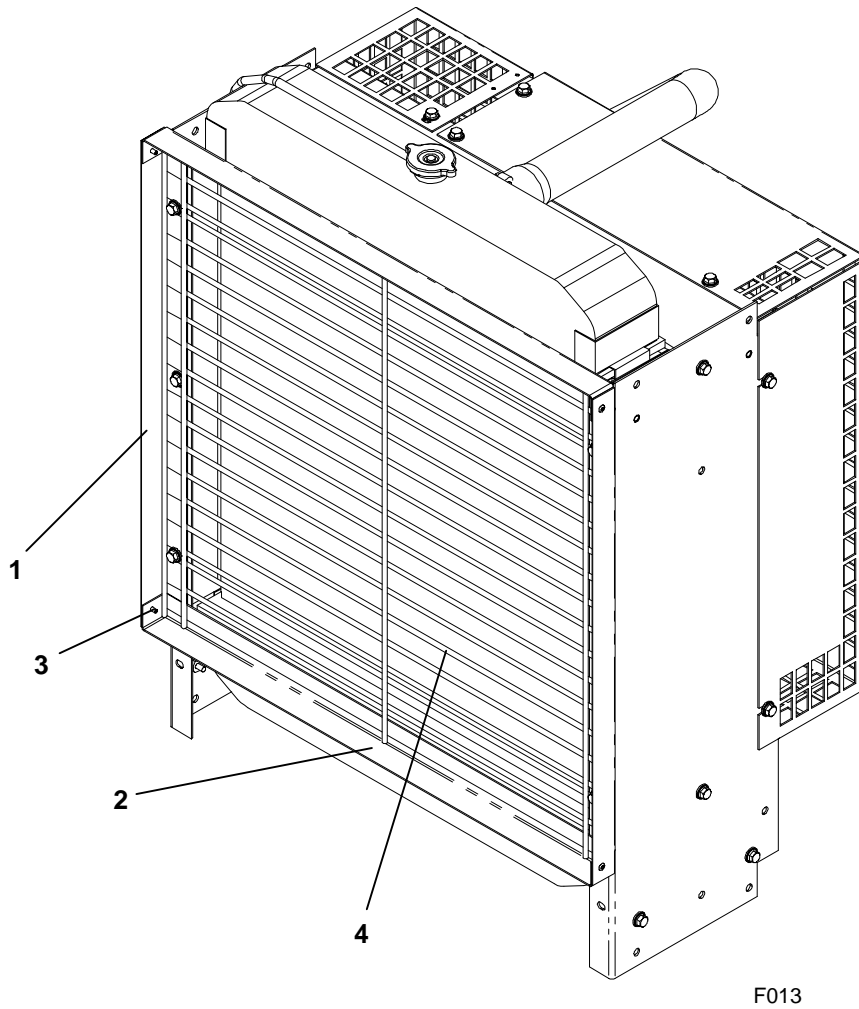
Radiator Drain Extension



E089

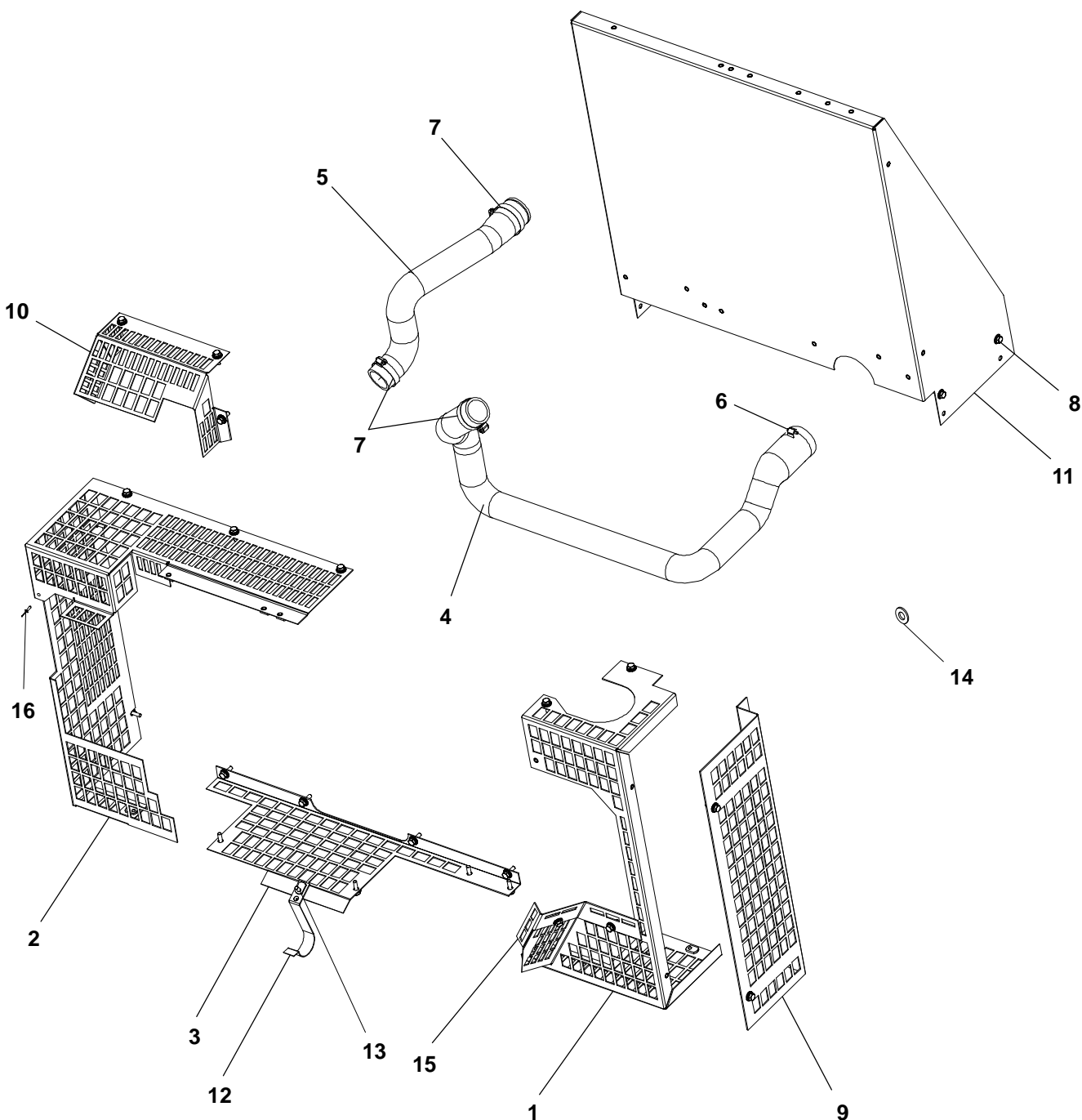
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	502-0085	1	Nipple, Pipe – Brass (3/8")	4	502-0827	1	Barb, Hose (1/2 x 3/4)
2	505-0117	1	Bushing, Flush (3/8" X 1/2")	5	503-1195	1	Hose, Drain (24")
3	504-0011	1	Valve, Shutoff (1/2")	6	503-0197		Clamp, Hose

Radiator Duct Adapter



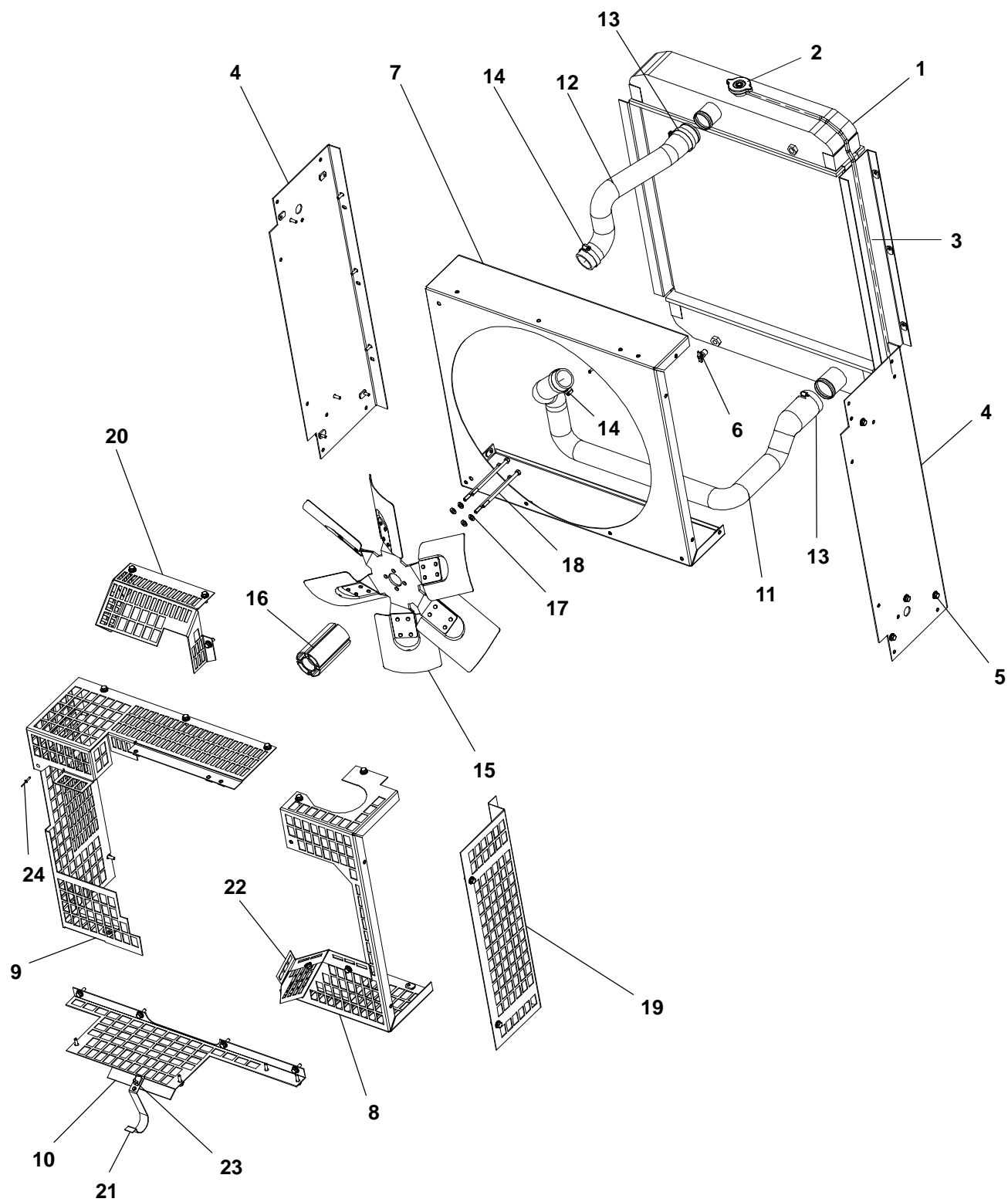
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-4623	2	Adapter, Duct – Sides	3	818-0231-02	4	Rivet, Pop
2	130-4622	2	Adapter, Duct – Top and Bottom	4	130-4602	1	Grille, Radiator

Remote Radiator



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-5219-02	1	Guard, Fan – Left Side	10	130-5221-02	1	Guard, Alternator
2	130-5220-02	1	Guard, Fan – Right Side	11	405-6603-02	1	Panel, Radiator Housing – Front
3	130-5222-02	1	Guard, Fan – Lower	12	130-5304-02	1	Hanger, Hose
4	130-5227	1	Hose, Radiator Outlet	13	800-2052	5	Screw, Cap – Hex Head (M8 x 1.25 x 12)
5	130-5228	1	Hose, Radiator Inlet	14	526-2101	4	Washer, Flat (M8)
6	503-0465	2	Clamp, Hose	15	130-5306-02	1	Guard, Fan
7	503-0365	2	Clamp, Hose	16	818-0231-02	1	Rivet, Pop
8	821-6003-02	28	Screw, Hex Head (M8 x 1.25 x 20)				
9	130-5284-02	1	Guard, Side				

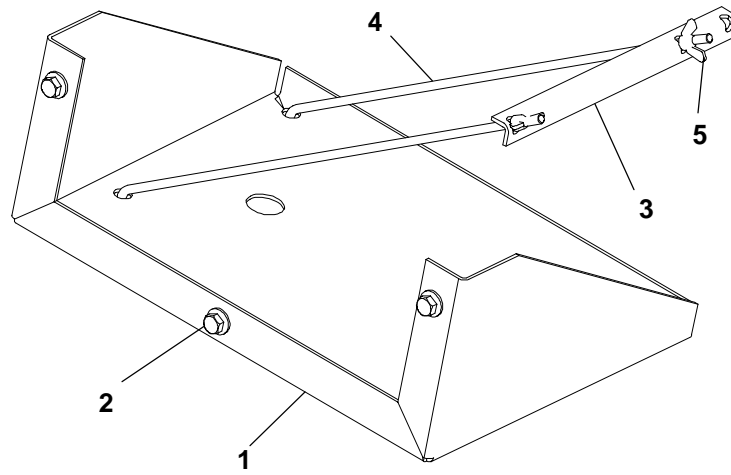
Radiator



Radiator

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Radiatorr (Includes Radiator Cap and Overflow Hose)	11	130-5227	1	Hose, Radiator Outlet
	130-4596-01	1	2 Row Core	12	130-5228	1	Hose, Radiator Inlet
	130-4596-02	1	3 Row Core	13	503-0465	2	Clamp, Hose
	130-4596-03	1	4 Row Core	14	503-0365	2	Clamp, Hose
2	130-1788	1	Cap, Radiator – 14 PSI	15	130-5287	1	Fan, Radiator
3	503-0276	–	Overflow Hose – Bulk (Order By The Foot – 4 Feet Required)	16	130-5213-01	1	Spacer, Fan
				17	526-2101	4	Washer, Flat (M8)
				18	800-2077	4	Screw, Cap – Hex Head (M8 x 1 x 150)
4	130-4767	2	Side, Housing	19	130-5284-02	1	Guard, Side
5	821-6003-02	32	Screw, Hex Head (M8 x 1.25 x 20)	20	130-5221-02	1	Guard, Alternator
6	504-0003	1	Cock, Drain	21	130-5304-02	1	Hanger, Hose
7	130-5231-02	1	Shroud	22	130-5306-02	1	Guard, Fan
8	130-5219-02	1	Guard, Fan – Left Side	23	800-2052	1	Screw, Cap – Hex Head (M8 x 1.25 x 12)
9	130-5220-02	1	Guard, Fan – Right Side				
10	130-5222-02	1	Guard, Fan – Lower	24	818-0231-02	1	Rivet, Pop

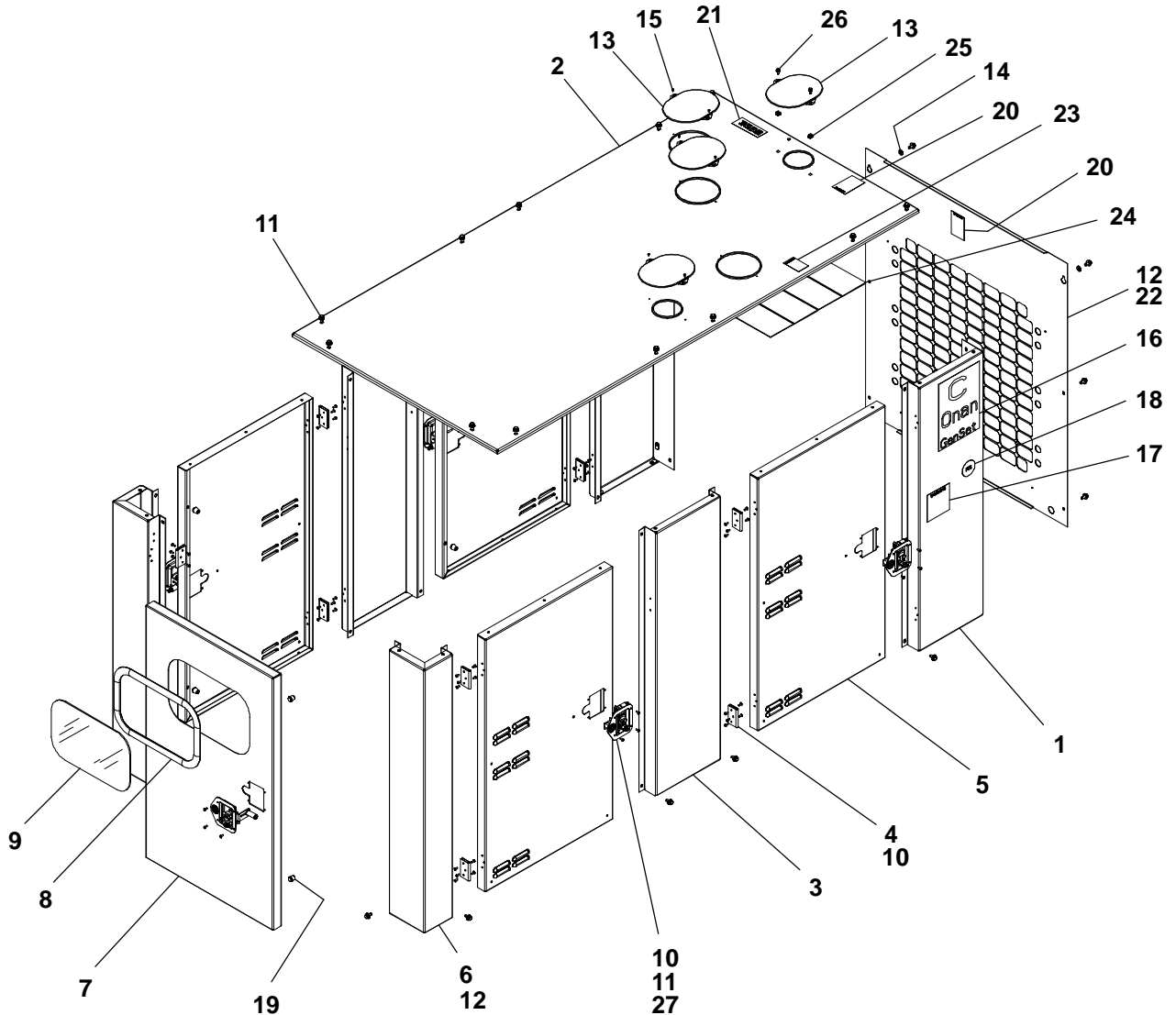
Battery Tray



F065

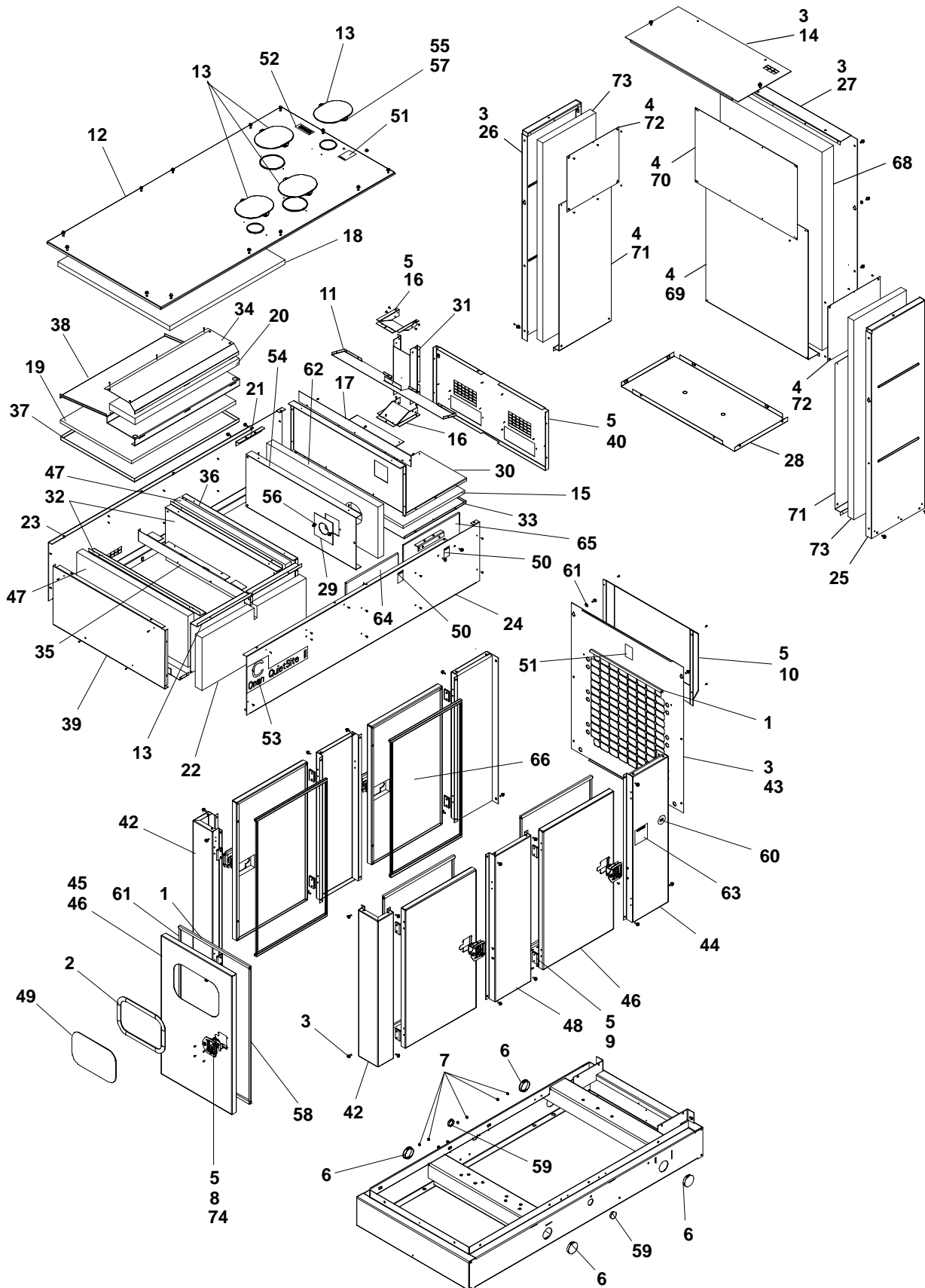
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	403-4267	1	Tray, Battery	3	416-1033	1	Hold Down, Battery
2	821-6007-02	3	Screw, Hex Head (M8 x 1.25 x 20)	4	416-0993-02	2	Rod, Hold Down – Battery
				5	865-0030	2	Nut, Wing (M6)

Housing Standard Weather Protective



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-5908	2	Panel, Side – Radiator Housing	14	526-0451	2	Washer, Flat (M8)
2	405-6018	1	Roof	15	818-0237-01	6	Rivet, Pop (1/8)
3	405-5745	2	Post, Housing – Center	16	098-6139-06	2	Label, Model Identification
4	406-0831	10	Hinge, Housing	17	098-4732	2	Label, Warning
5	405-5832	4	Door, Housing	18	098-4500	2	Label, Prototype
6	405-5916	2	Post, Corner – Housing	19	895-0382	10	Bumper, Door
7			Door, Rear	20	098-4730	2	Label, Warning
	405-5902	1	Units Without Window	21	098-5429	1	Label, Coolant Fill
	405-5903	1	Units With Window	22	405-5910	1	Panel, Front – Radiator Housing
8	895-0363	4.2'	Weatherstrip – Units with Window	23	098-7451	1	Label, Caution
9	319-2653	1	Window, Control	24	130-4848	6.3'	Insulation, Exhaust
10	818-0231-02	70	Rivet – Pop (3/16)	25	870-0504	2	Nut, Captive – Floating (M6 x 1.0)
11	406-0918	5	Latch, Door	26	821-6006-01	2	Screw, Hex Head (M6 x 1.00 x 16)
12	821-6007-02	28	Screw, Hex Head (M8 x 1.25 x 20)	27	406-0782	5	Key, Replacement (Fits Latch 406-0918)
13	155-3238	4	Cover, Exhaust				

Housing F172 Enclosure – F173 Enclosure with Single Front Duct



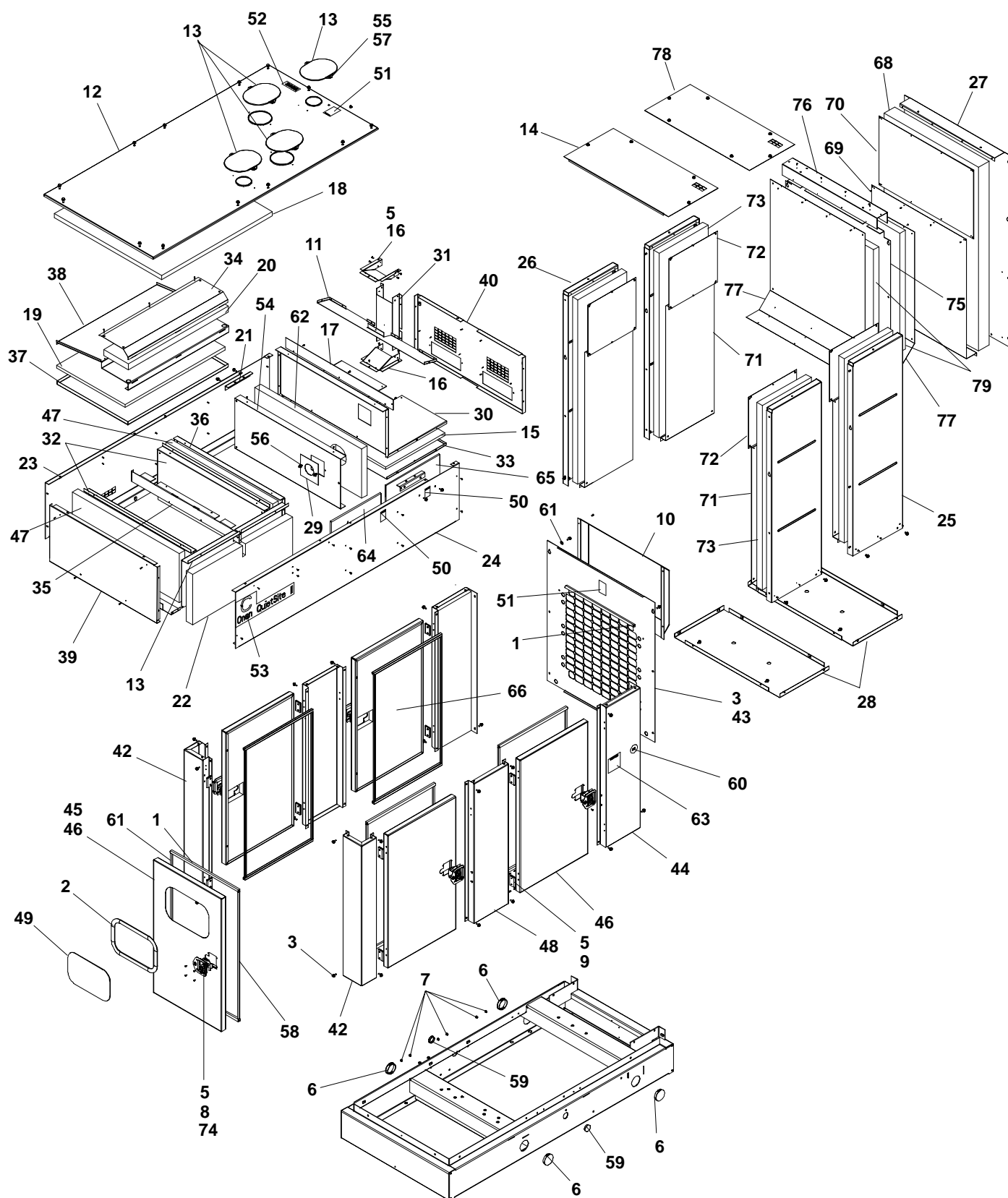
Housing

F172 Enclosure – F173 Enclosure with Single Front Duct

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	895-0384	11	Weather Seal Top & Bottom	40	405-5952	1	Extension, Front
2	895-0363	4.2'	Weather Strip – Window	41	155-3238	4	Cover, Exhaust
3			Screw, Hex Head (M8 x 1.25 x 20)	42	405-5916	2	Post, Corner – Housing
	821-6007-02	47	F172 Housing	43	405-5910	1	Panel, Front – Radiator Housing
	821-6007-02	63	F173 Housing	44	405-5908	2	Panel, Side – Radiator Housing
4			Rivet (1/8")	45	405-5903	1	Door, Housing W/Window Cutout
	818-0237-01	72	F172 Housing	46	405-5902	5	Door, Housing WO/Window
	818-0237-01	85	F173 Housing	47	405-5841	2	Fiberglass
5	818-0231-02	105	Rivet (3/16")	48	405-5745	2	Post, Housing – Center
6	517-0322	4	Plug, Hole	49	319-2653	1	Window, Control (if equipped)
7	517-0131	6	Plug, Hole	50	098-7451	3	Label, Caution
8	406-0918	5	Latch, Door	51	098-4730	2	Label, Caution
9	406-0831	10	Hinge	52	098-5429	1	Label, Coolant Fill
10	405-6035	1	Baffle, Air – Discharge	53	098-7470	2	Label, Model
11	405-6068	1	Baffle, Recirculation – Muffler	54	405-6034	1	Retainer, Insulation
12	405-6018	1	Roof	55	821-6006-01	2	Screw, Hex Head (M6 x 1.0 x 16)
13	405-6015	1	Cover, Perforated	56	526-0011	2	Washer, Flat
14	405-6010	1	* Cover, Discharge	57	870-0504	2	Nut, Captive – Floating
15	405-6005	1	Fiberglass – Muffler	58	895-0385	5	Weather Seal – Side
16	405-6003	2	Box, Radiator Fill	59	517-0138-07	2	Plug
17	405-6029	1	Barrier, Air Flow	60	098-4500	2	Label, Prototype Tested
18	405-6001-01	1	Fiberglass	61	895-0386	5	Weather Seal
19	405-6000-03	1	Fiberglass	62	405-6109	1	Fiberglass
20	405-6000-02	1	Fiberglass	63	098-4732	2	Label, Warning
21	405-5998	2	Support, Muffler	64	128-0154-04	1	Insulation, Foam
22	405-5997	1	Fiberglass	65	128-0252	2	Insulation, Foam
23	405-5996	1	Extension, Side – RH	66	405-5734	2	Fiberglass
24	405-5995	1	Extension, Side – LH	67	526-0451	4	Washer, Flat (M8)
25	405-5991-02	1	* Side, Discharge – LH	68	405-6000-07	1	* Fiberglass
26	405-5991-01	1	* Side, Discharge – RH	69	405-6013	1	* Retainer, Insulation
27	405-5990	1	* Discharge, Front	70	405-6132	1	* Retainer, Insulation
28	405-5988	1	* Discharge, Bottom	71	405-6014	2	* Retainer, Insulation
29	405-5987	1	Barrier, Air	72	405-6044	2	* Retainer, Insulation
30	405-5966	1	Box, Muffler	73	405-6000-04	2	* Fiberglass
31	405-6030	1	Fill Neck, Radiator	74	406-0782	5	Key, Replacement (Fits Latch 406-0918)
32	405-5961	2	Cover, Perforated				
33	405-5960	1	Retainer, Insulation				
34	405-5958	1	Inlet, Perforated				
35	405-5957	2	Angle, Support				
36	405-5956	1	Duct, Support				
37	405-5955	1	Inlet, Perforated				
38	405-5954	1	Duct, Bottom – Inlet				
39	405-5953	1	Extension, Rear				

* – Parts used only on F173 Housing

Housing F173 Enclosure with Double Front Duct GGHF



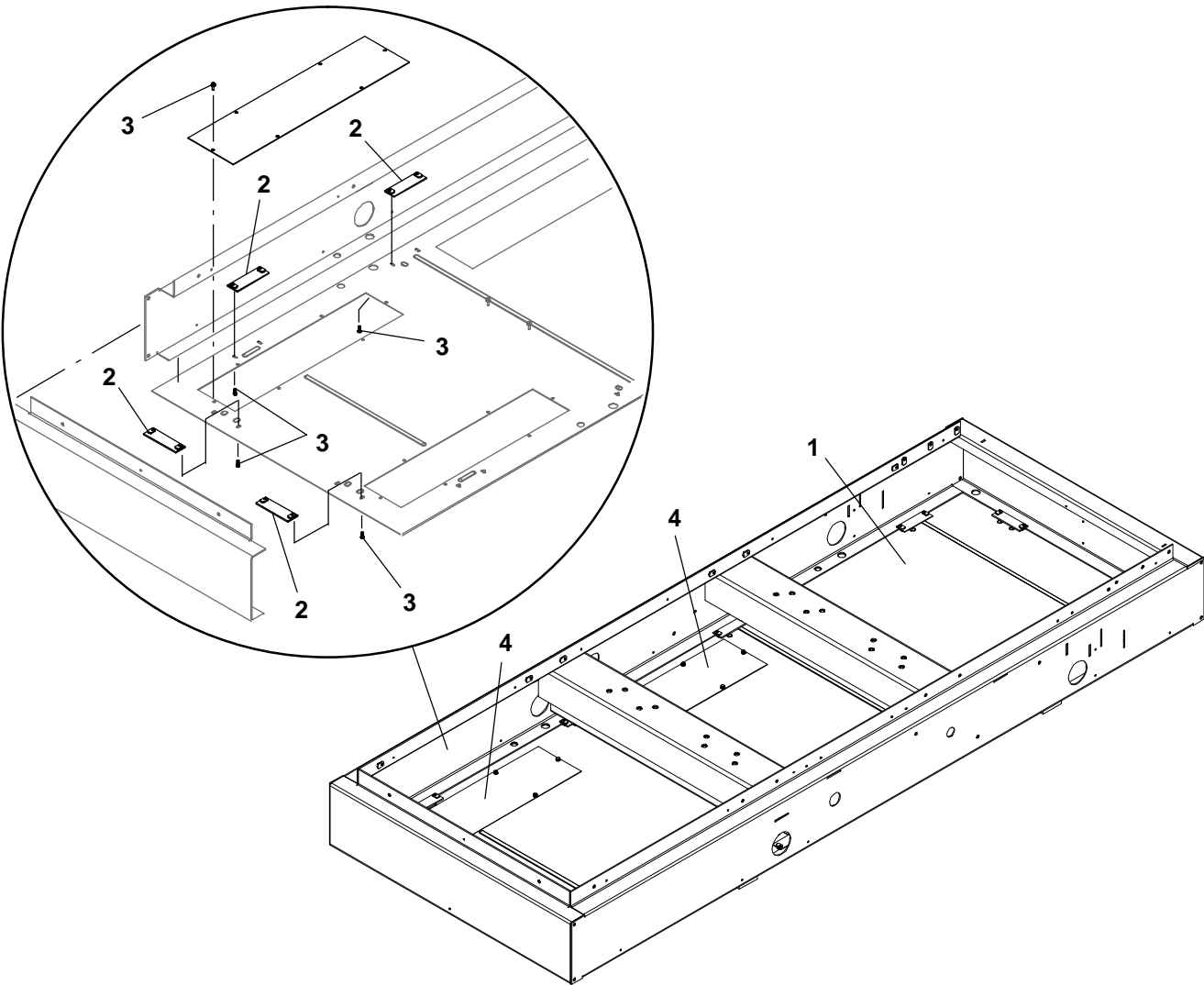
Housing

F173 Enclosure with Double Front Duct

GGHF

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	895-0384	11	Weather Seal Top & Bottom	42	405-5916	2	Post, Corner – Housing
2	895-0363	4.2'	Weather Strip – Window	43	405-5910	1	Panel, Front – Radiator Housing
3	821-6007-02	83	Screw, Hex Head (M8 x 1.25 x 20)	44	405-5908	2	Panel, Side – Radiator Housing
4	818-0237-01	118	Rivet (1/8")	45	405-5903	1	Door, Housing W/Window Cutout
5	818-0231-02	105	Rivet (3/16")	46	405-5902	5	Door, Housing WO/Window
6	517-0322	4	Plug, Hole	47	405-5841	2	Fiberglass
7	517-0131	6	Plug, Hole	48	405-5745	2	Post, Housing – Center
8	406-0918	5	Latch, Door	49	319-2653	1	Window, Control (if equipped)
9	406-0831	10	Hinge	50	098-7451	3	Label, Caution
10	405-6035	1	Baffle, Air – Discharge	51	098-4730	2	Label, Caution
11	405-6068	1	Baffle, Recirculation – Muffler	52	098-5429	1	Label, Coolant Fill
12	405-6018	1	Roof	53	098-7470	2	Label, Model
13	405-6015	1	Cover, Perforated	54	405-6034	1	Retainer, Insulation
14	405-6010	1	Cover, Discharge	55	821-6006-01	2	Screw, Hex Head (M6 x 1.0 x 16)
15	405-6005	1	Fiberglass – Muffler	56	526-0011	2	Washer, Flat
16	405-6003	2	Box, Radiator Fill	57	870-0504	2	Nut, Captive – Floating
17	405-6029	1	Barrier, Air Flow	58	895-0385	5	Weather Seal – Side
18	405-6001-01	1	Fiberglass	59	517-0138-07	2	Plug
19	405-6000-03	1	Fiberglass	60	098-4500	2	Label, Prototype Tested
20	405-6000-02	1	Fiberglass	61	895-0386	5	Weather Seal
21	405-5998	2	Support, Muffler	62	405-6109	1	Fiberglass
22	405-5997	1	Fiberglass	63	098-4732	2	Label, Warning
23	405-5996	1	Extension, Side – RH	64	128-0154-04	1	Insulation, Foam
24	405-5995	1	Extension, Side – LH	65	128-0252	2	Insulation, Foam
25	405-5991-02	2	Side, Discharge – LH	66	405-5734	2	Fiberglass
26	405-5991-01	2	Side, Discharge – RH	67	526-0451	4	Washer, Flat (M8)
27	405-5990	1	Discharge, Front	68	405-6000-07	1	Fiberglass
28	405-5988	2	Discharge, Bottom	69	405-6013	1	Retainer, Insulation
29	405-5987	1	Barrier, Air	70	405-6132	1	Retainer, Insulation
30	405-5966	1	Box, Muffler	71	405-6014	4	Retainer, Insulation
31	405-6030	1	Fill Neck, Radiator	72	405-6044	4	Retainer, Insulation
32	405-5961	2	Cover, Perforated	73	405-6000-04	4	Fiberglass
33	405-5960	1	Retainer, Insulation	74	406-0782	5	Key, Replacement (Fits Latch 406-0918)
34	405-5958	1	Inlet, Perforated	75	405-5992	1	Panel, Center
35	405-5957	2	Angle, Support	76	405-5993	1	Cover, Duct
36	405-5956	1	Duct, Support	77	405-5994	2	Retainer, Insulation
37	405-5955	1	Inlet, Perforated	78	405-5989	1	Cover, Air Discharge Box – Top
38	405-5954	1	Duct, Bottom – Inlet	79	405-6000-01	2	Fiberglass
39	405-5953	1	Extension, Rear				
40	405-5952	1	Extension, Front				
41	155-3238	4	Cover, Exhaust				

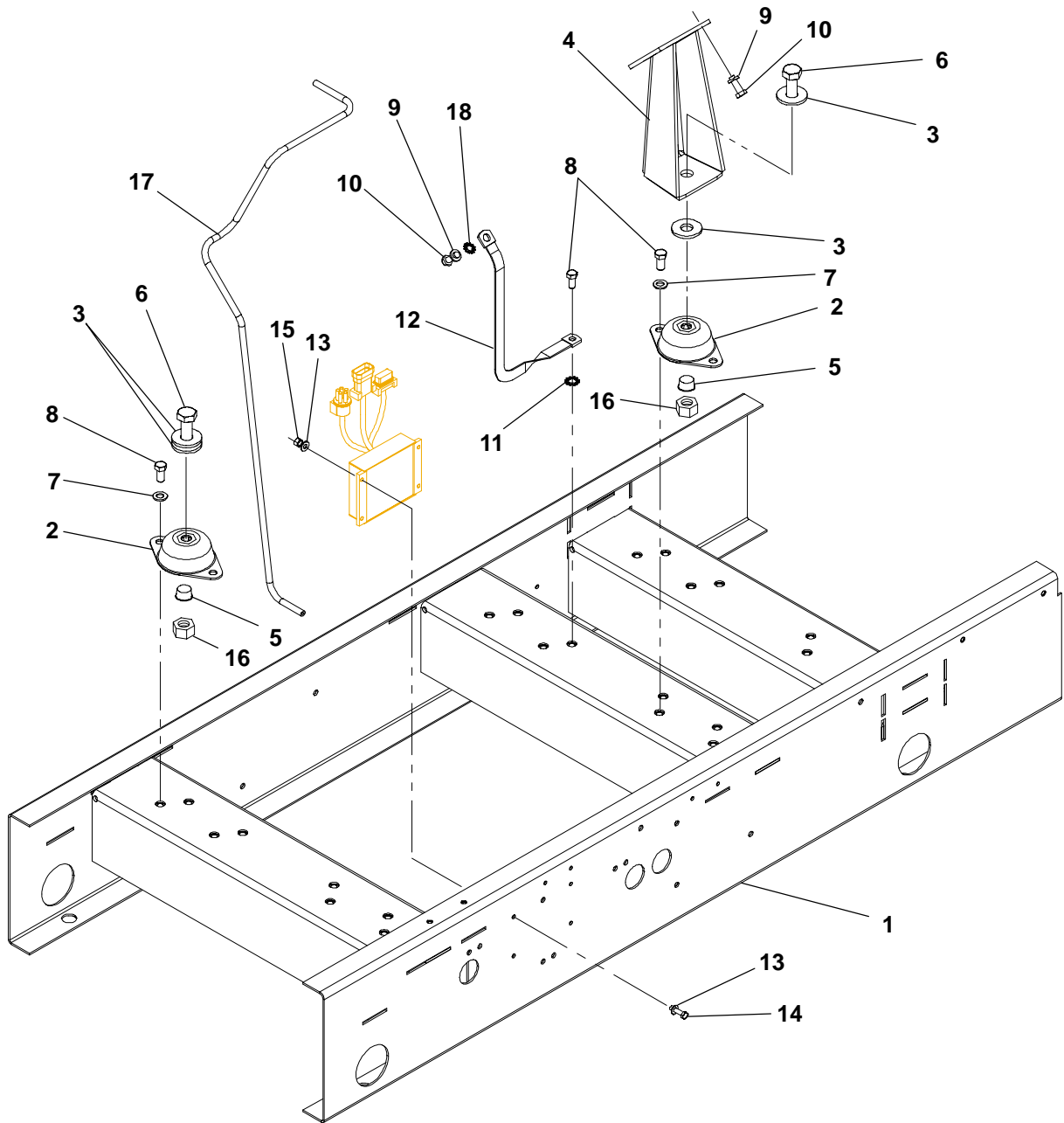
Skid Pan



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	403-4290	1	Pan, Skid
2	403-4110	10	Clamp
3	821-6002-03	38	Screw, Self-Locking – Hex Washer Head (M6 x 1 x 16mm)

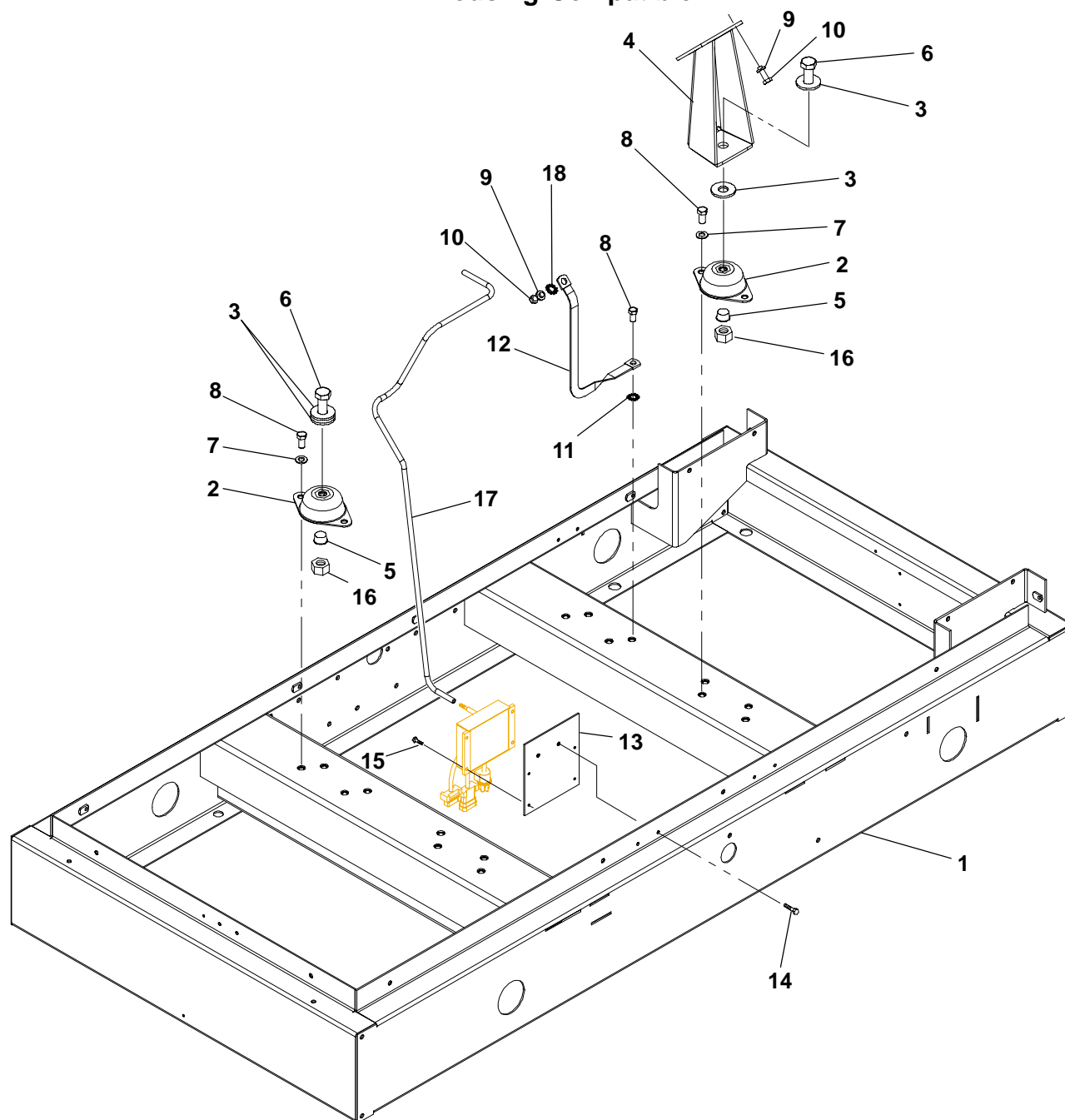
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	403-4116	3	Cover, Stub-Up

Skid Basic



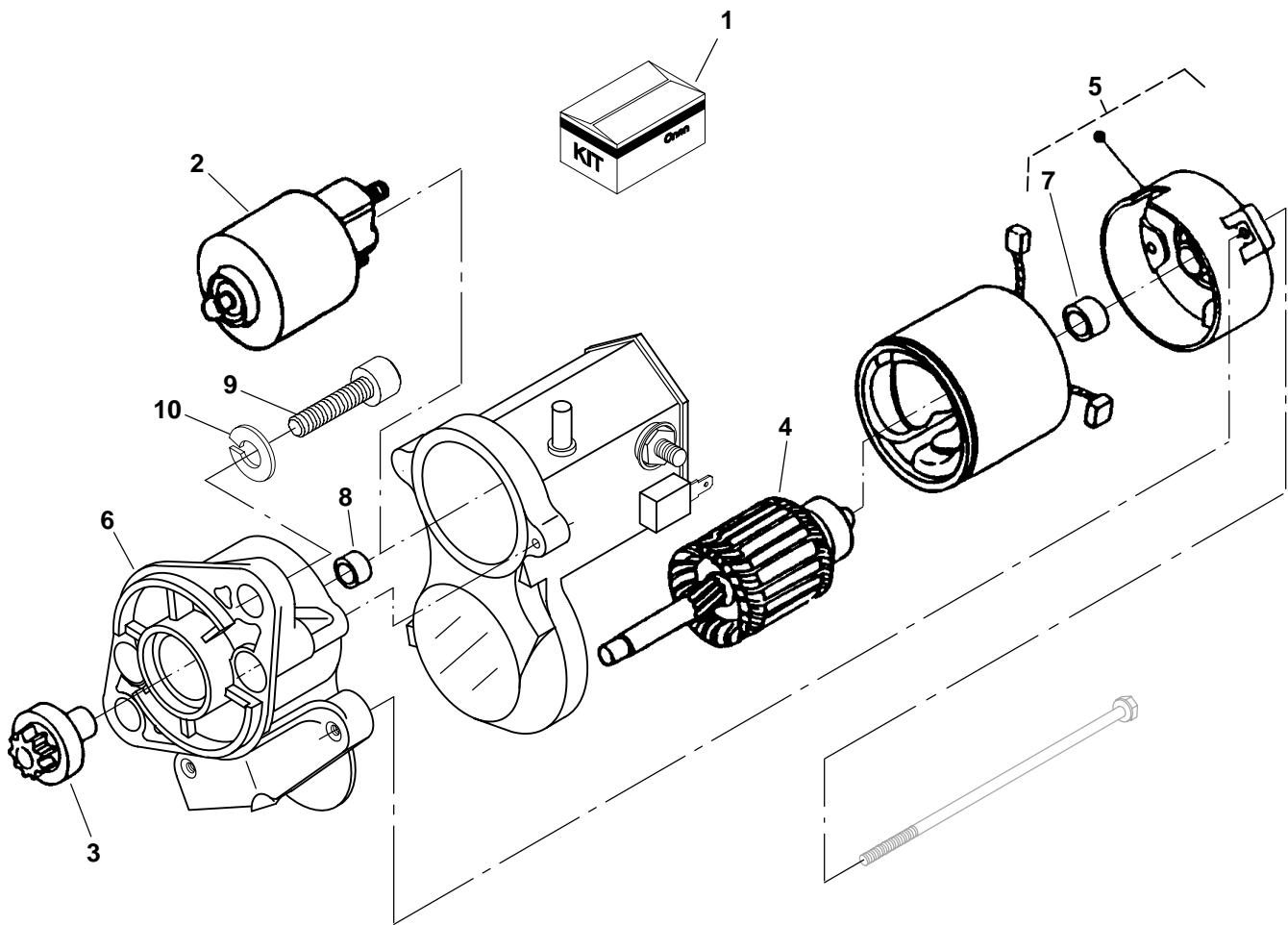
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	403-4492-02	1	Skid	10	800-2530-03	9	Screw, Cap – Hex Head (M10 x 1.5 x 25)
2	402-0644	4	Cushion, Vibration	11	856-0013	1	Washer, Lock – W/EIT (M12)
3	526-0238-01	8	Washer, Flat (3/4)	12	337-0090-01	1	Strap, Electrical
4	403-4425-02	2	Bracket, Mounting – Engine	13	526-0008	8	Washer, Flat (#10)
5	517-0094	4	Plug, Hole	14	800-2010	4	Screw, Hex Head (M5 x 0.8 x 20)
6	800-0607	4	Screw, Cap – Hex Head (3/4-10 x 2)	15	860-2006	4	Nut, Hex (M5)
7	526-0433	8	Washer, Hardened	16	862-0044	4	Nut, Hex – Heavy (3/4-10)
8	800-2543-02	9	Screw, Cap – Hex Head (M12 x 25)	17	503-2179	1	Hose, Vacuum
9	526-0174	9	Washer, Flat	18	856-0010	1	Washer – EIT (M10)

Skid Housing Compatible



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	403-4481-02	1	Skid	11	856-0013	1	Washer, Lock – W/EIT (M12)
2	402-0644	4	Cushion, Vibration	12	337-0090	1	Strap, Electrical
3	526-0238-01	8	Washer, Flat (3/4)	13	403-4450-02	1	Bracket, Ignition Module
4	403-4425-02	2	Bracket, Mounting – Engine	14	821-6006-01	2	Screw, Hex Head (M6 x 1.0 x 16)
5	517-0094	4	Plug, Hole	15	815-0793-03	4	Screw, Hex – Flange Head – Thread Forming (M5 x 0.8 x 12)
6	800-0607	4	Screw, Cap – Hex Head (3/4-10 x 2)	16	862-0044	4	Nut, Hex (3/4-10)
7	526-0433	8	Washer, Hardened	17	503-1338	–	Hose, Vacuum – Bulk (Order by the Foot – 4 Feet Required)
8	800-2543-02	9	Screw, Cap – Hex Head (M12 x 25)	18	856-0010	1	Washer – EIT (M10)
9	526-0174	9	Washer, Flat				
10	800-2530-03	9	Screw, Cap – Hex Head (M10 x 1.5 x 25)				

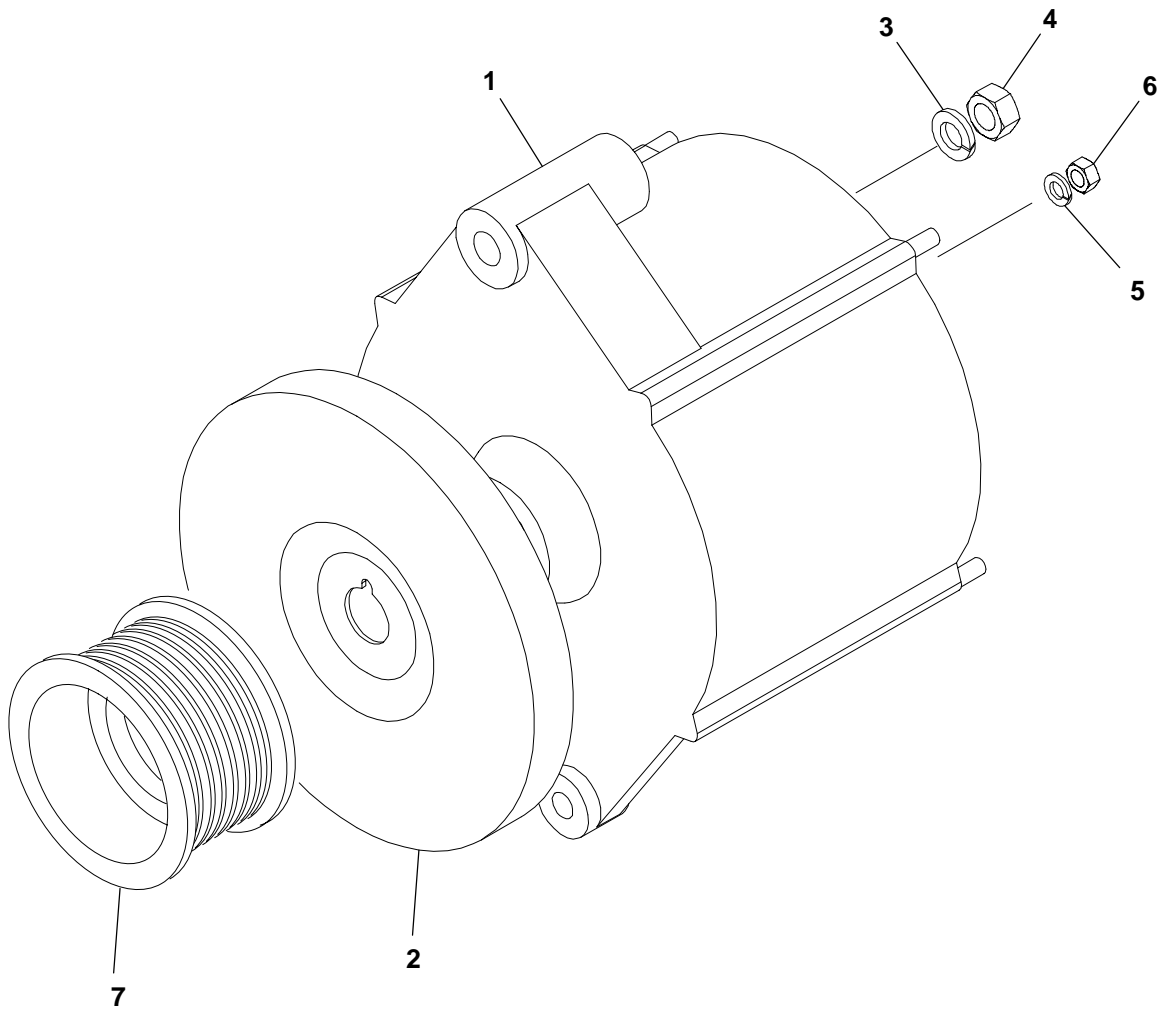
Starter Components



CP01

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	191-2213	1	Starter (1.4kW)	6	191-2220	1	Housing
1	191-2215	1	Kit, Starter Brush	7	191-2221	1	Bearing, Commutator End
2	191-2216	1	Switch	8	191-2222	1	Bearing, Pinion End
3	191-2217	1	Clutch	9	800-2088	2	Screw, Cap – Socket Head (M10 x 1.5 x 35mm)
4	191-2218	1	Armature	10	850-2010	2	Washer, Lock (M10)
5	191-2219	1	Frame, Commutator End				

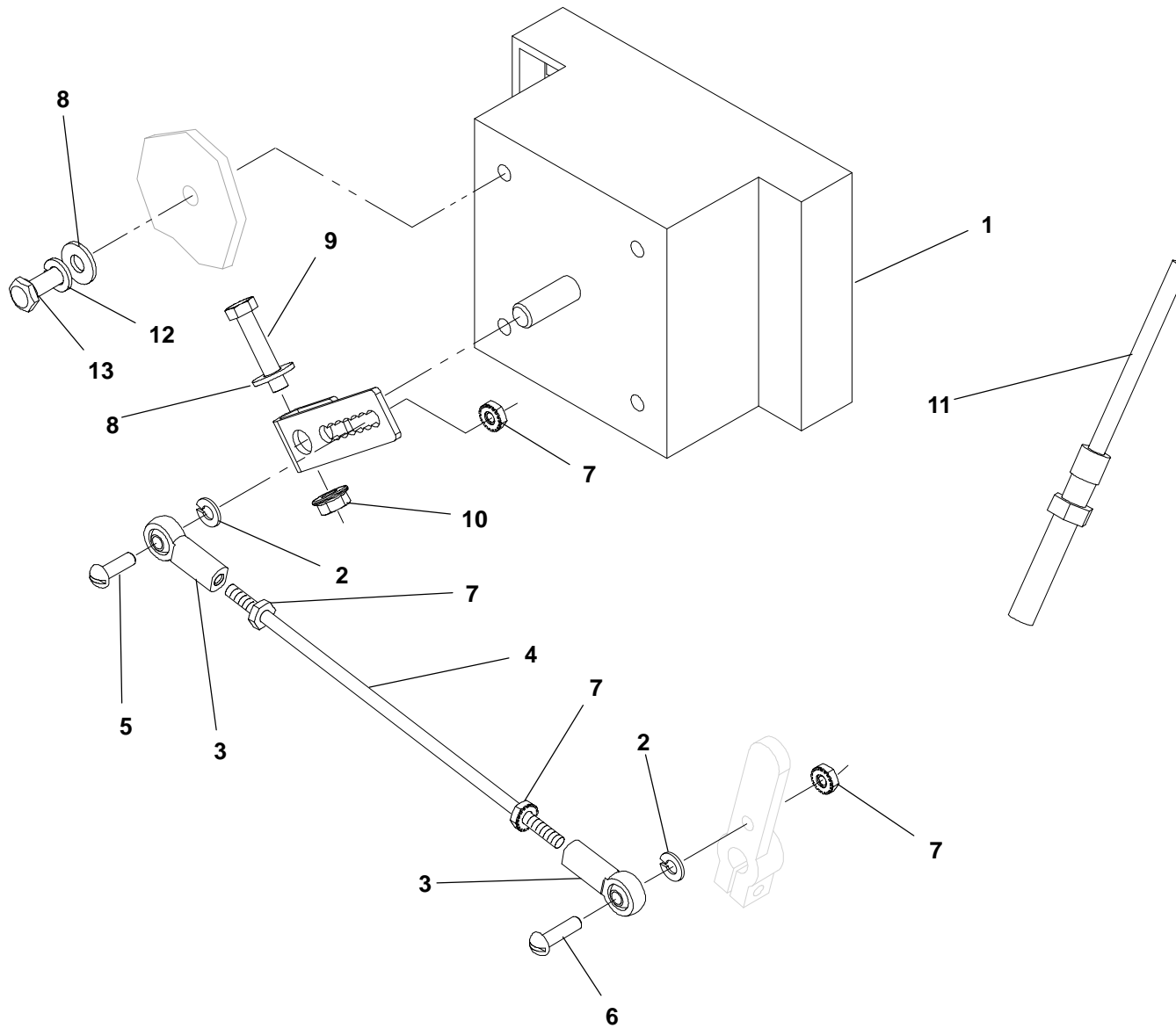
Alternator



CP01

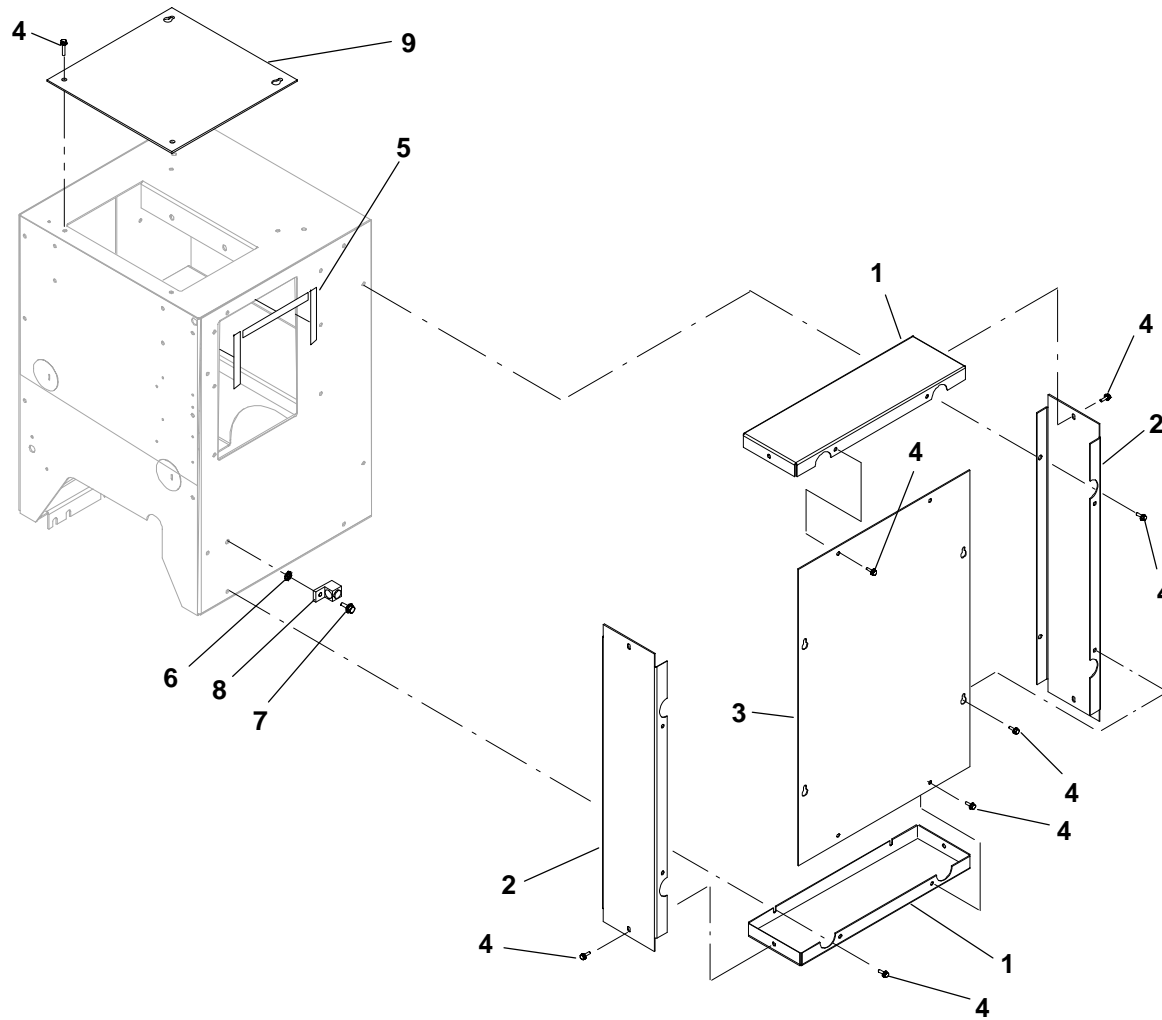
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	191-2209-01	1	Alternator	5	850-2005	2	Washer, Lock (M5)
2	191-1981	1	Fan, Alternator	6	860-2006	2	Nut, Hex (M5 x 0.8)
3	850-2008	1	Washer, Lock (M8)	7	191-2284	1	Pulley, Alternator
4	860-2008	1	Nut, Hex (M8 x 1.25)				

Governor



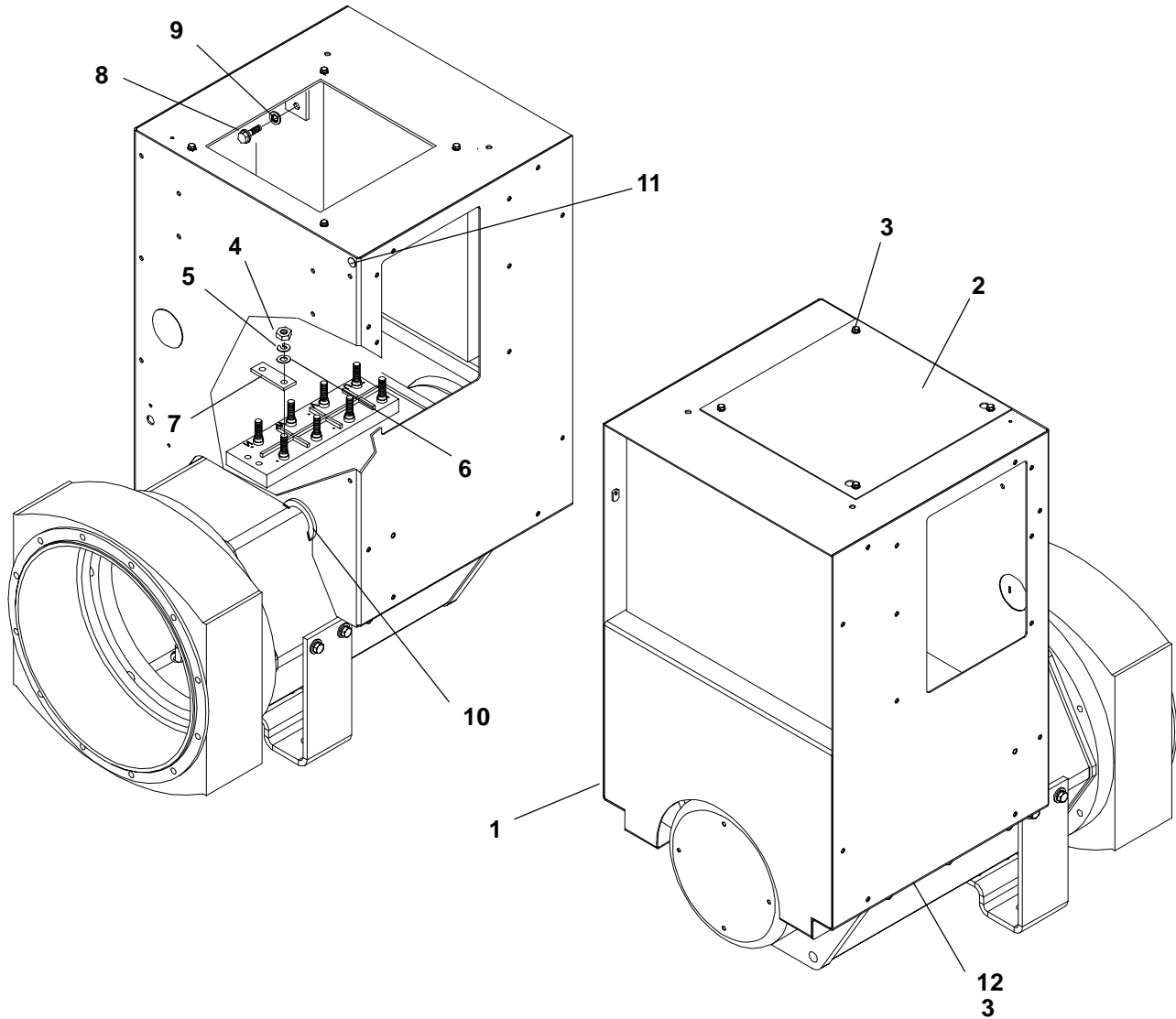
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	150-2692-01	1	Governor	7	870-0131	4	Nut, Hex – W/ET
2	850-0030	2	Washer, Lock (3/16)	8	526-0018	5	Washer, Flat (1/4)
3	151-0769	2	Swivel, Governor Rod End	9	800-2036	1	Screw, Cap – Hex Head (M6 x 1 x 30)
4	150-2697	1	Rod, Governor	10	870-2054	1	Nut, Hex – Self-Locking – Flange Head
5	813-0102	1	Screw, Machine – Slotted – Round Head (#10-32 x 0.625)	11	150-2651	1	Pickup, Magnetic
6	813-0103	1	Screw, Machine – Slotted – Round Head (#10-32 x 0.75)	12	850-0040	4	Washer, Lock – Split (1/4)
				13	800-0602	4	Screw, Cap – Hex Head (1/4-28 x .75)

Entrance Box



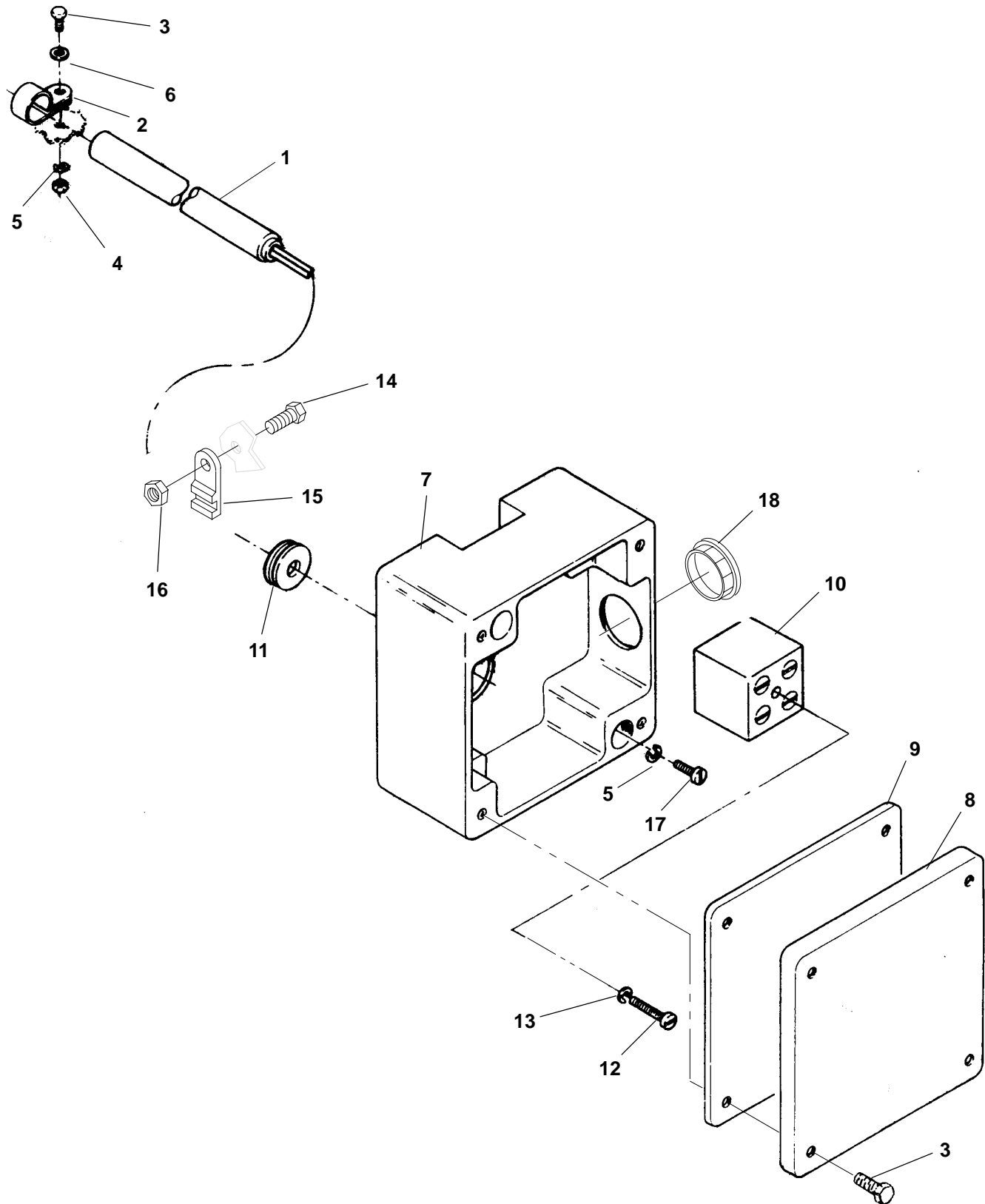
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3072	2	Panel, Box – Top and Bottom	6	856-0008	1	Washer, Lock – EIT (5/16")
2	319-2978	2	Panel, Box – Side	7	821-6003-02	1	Screw, Self-Locking – Hex Washer Head (M8 x 1.25 x 20mm)
3	319-2979-02	1	Cover, Entrance Box	8	332-1473	1	Lug, Solderless
4	821-6002-03	24	Screw, Self-Locking – Hex Washer Head (M6 x 1 x 16mm)	9	319-2996	1	Cover, Control Housing
5	508-0239	–	Edging – Bulk (Order By The Foot – 2 Feet Required)				

Control Housing



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3208	1	Panel, Housing – Control Sets With UCD22 Generator	8			Screw, Locking – Hex Head (5/16–18 x .50)
	319-2967	1	Sets With UC27 Generator	821-0014	4		Sets With UC27 Generator
2	319-2996	1	Cover, Housing – Control	821-5003-01	4		Sets With UCD22 Generator
3			Screw, Hex Head (M6 x 16)	9	856-0008	1	Washer, Lock – ET (5/16)
	821-6002-03	4	Sets With UC27 Generator	10	508-0305-02 .33'		Edging
	821-6002-03	9	Sets With UCD22 Generator	11	517-0135	1	Plug, Hole
4	860-2009	8	Nut, Hex (M10 x 1.5)	12	319-3207	1	Bracket, Control Mounting – Sets With UCD22 Generator
5	850-2010	8	Washer, Lock (M10)				
6	526-2120	8	Washer, Flat (M10)				
7	332-2987	4	Link, Terminal				

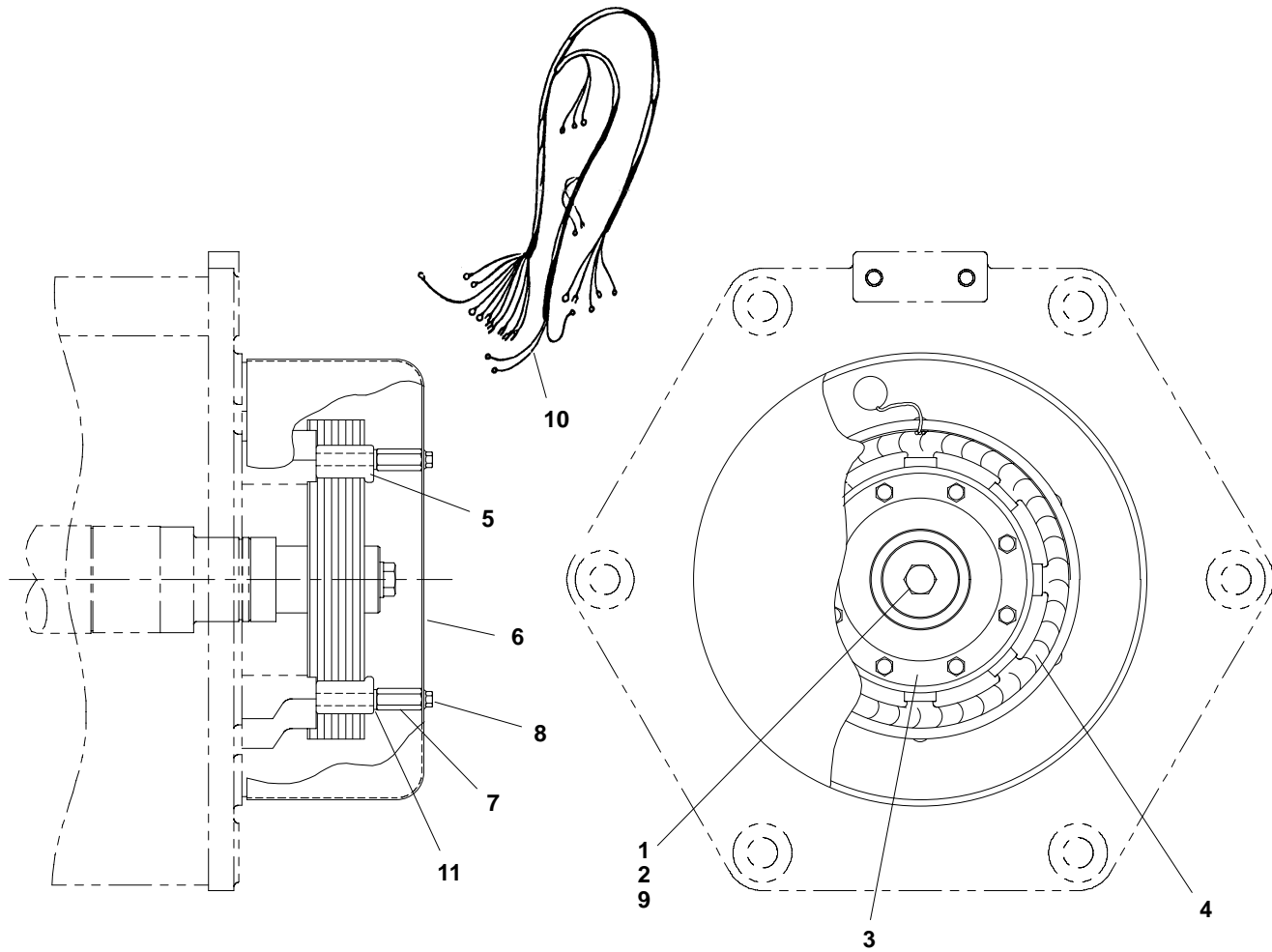
Generator Heater



Generator Heater

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Cartridge, Heater (100 Watt)	10	332-3023	1	Block, Terminal
	333-0438-07	1	120 Volt	11	508-0228	1	Grommet
	333-0438-08	1	240 Volt	12	822-3047	1	Screw, Machine – Pan Head (M3 x 20mm)
2	332-3024-11	2	Clamp, Loop	13	850-2003	1	Washer, Lock – Spring (M3)
3	822-3075	6	Screw, Machine – Pan Head (M4 x 16mm)	14	800-3034	1	Screw, Cap – Hex Head (M4 x 12mm)
4	860-2005	2	Nut, Hex (M4)	15	332-3228	1	Mount, Cable Tie
5	850-2004	4	Washer, Lock – Spring (M4)	16	870-2064-01	1	Nut, Hex (M4)
6	526-2050	2	Washer, Flat (M4)	17	815-0792-04	2	Screw, Pan Head (M4 x 12mm)
7	330-0142	1	Box, Terminal	18	517-0021	1	Plug, Dot Button
8	330-0141-03	1	Cover, Terminal Box				
9	330-0141-04	1	Gasket, Terminal Box				

Permanent Magnet Generator (PMG)

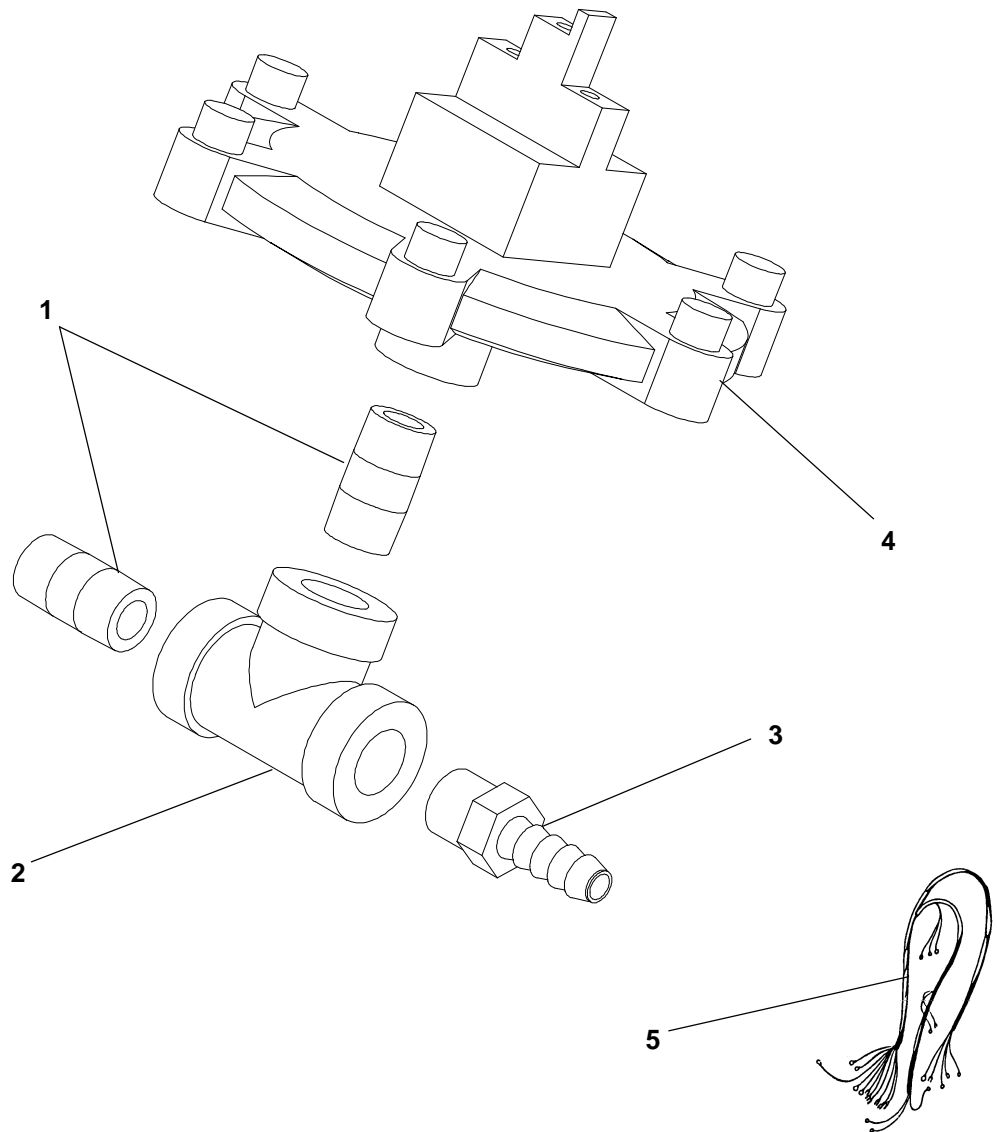


B184

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

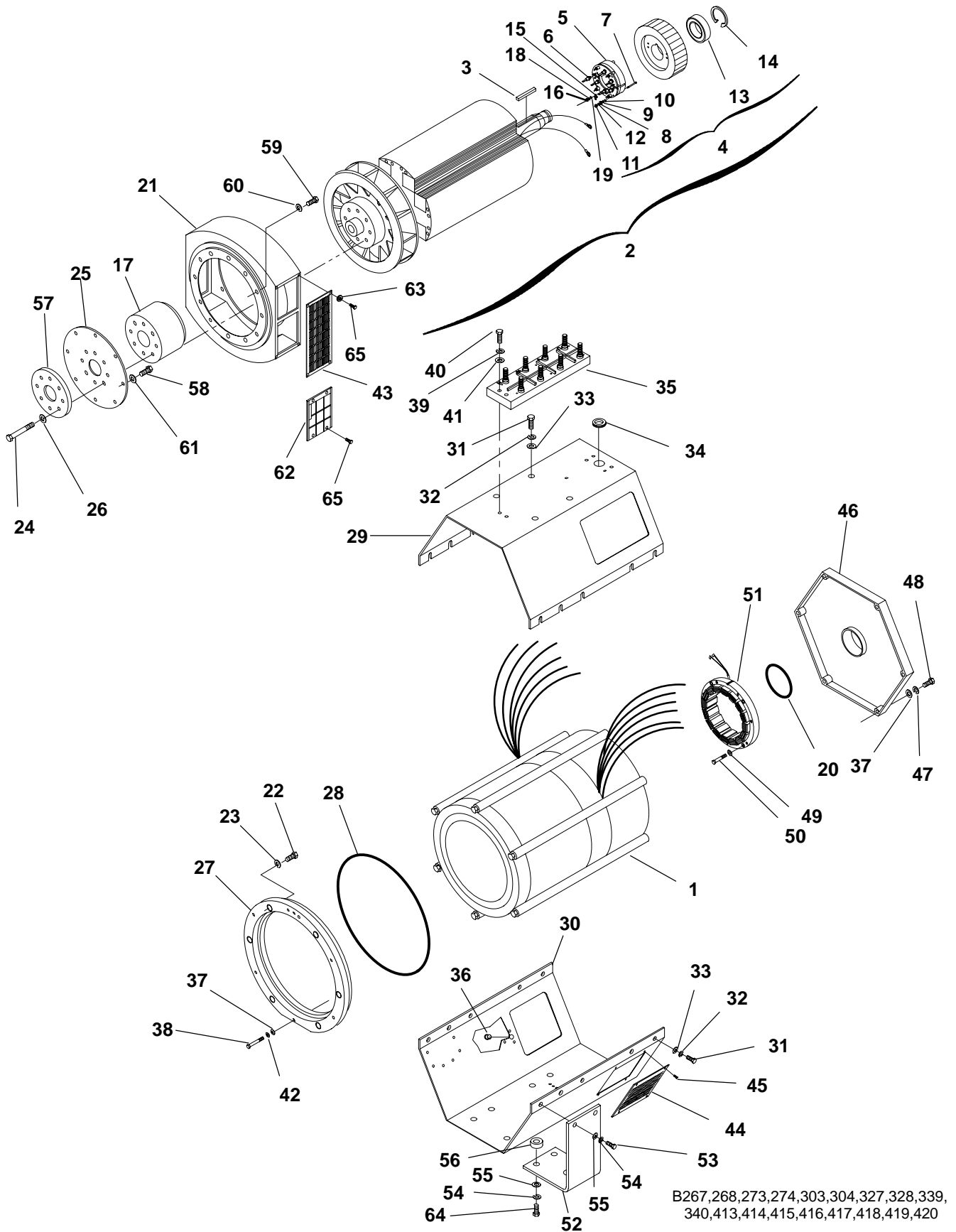
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
7	232-3462-03	4	Spacer, Cover
8	821-6001-01	4	Screw, SEMS – Hex Head (M5 x 0.8 x 10)
9	850-2010	1	Washer, Lock (M10)
10	338-3011	1	Harness, Wiring – PMG
11	850-2006	4	Washer, Lock (M6)

Vacuum Switch



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	505-0098	2	Nipple, Pipe (1/8 x .75)	4	148-1099	1	Switch, Vacuum
2	505-0059	1	Tee, Pipe (1/8)	5	338-3667	1	Harness, Vacuum Switch
3	502-1299	1	Connector, Hose (1/8 x 3/16)				

Generator



Generator

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	–	1	Stator, Generator (See Separate Pages for Part Numbers)	23			Washer, Lock – Spring
2			Rotor Assembly, Generator (Includes Parts Marked *)	850-0114-55	6		UC27 Generator M10
			UCD22 Generator	850-0114-54	6		UCD22 Generator M8
	201-3557-03	1	180mm Stack Length	24			Screw
	201-3557-04	1	240mm Stack Length	805-2021-06	8		UCD22 Generator – Hex Head (M12 x 45mm)
	201-3557-05	1	300mm Stack Length	720-1119	8		UC27 Generator – Cap – Hex Head (M16 x 40mm)
			UC27 Generator	25			Disc, Drive – Generator
	201-3497-01	1	165mm Stack Length	232-3959-01	3		UCD22 Generator
	201-3497-02	1	190mm Stack Length	232-3699	3		UC27 Generator
3			*Key, Exciter Rotor	26	526-0259	8	Washer, Flat (5/8") Hardened – UC27 Generator
			UCD22 Generator	27			Adapter, Generator Stator
	515-0299-04		180, 240mm Stack Length	231-0318	1		UCD22 Generator
	515-0299-05		300mm Stack Length	231-0319-02	1		UC27 Generator
	515-0297-01		UC27 Generator	28			Seal, Edging – Bulk (Order By The Foot)
4	201-3434-02		*Rotor Assembly, Exciter (Includes Parts Marked #)	508-0139	–		UCD22 Generator (2 Feet Required)
5			*#Rectifier Assembly (Includes Parts Marked +)	508-0139	–		UC27 Generator (3 Feet Required)
	357-0091	1	Forward (With Positive Diode)	29			Cover, Stator – Top
	357-0092	1	Reverse (With Negative Diode)				UCD22 Generator
6			*#+Diode	234-0936-02	1		180, 240mm Stack Length
	358-0135-01	3	Positive	234-0936-03	1		300mm Stack Length
	358-0135-02	3	Negative				UC27 Generator
7	800-3009	6	*#+Screw, Cap – Hex Head (M4 x 35mm) (CR1,2,3,4,5,6)	234-0937-11	1		165, 190mm Stack Length
8	860-2005	6	*#+Nut, Hex (M4)	30			Cover, Stator – Bottom
9	850-2004	6	*#+Washer, Lock – Spring (M4)				UCD22 Generator
10	526-2050	6	*#+Washer, Flat (M4)	232-3819-02	1		180, 240mm Stack Length
11	870-2064-01	6	*#Nut, Locking – Nylon (M4)	232-3819-03	1		300mm Stack Length
12	526-2050	6	*#Washer, Flat (M4)				UC27 Generator
13			*Bearing, Ball	232-3820-11	1		165, 190mm Stack Length
	510-0165	1	UCD22 Generator	31			Screw, Cap – Hex Head
	510-0164	1	UC27 Generator	800-3017-37	10		UCD22 Generator (M10 x 25mm)
14			*Ring, Retaining	800-3017-54	10		UC27 Generator (M12 x 30mm)
	518-0122	1	UCD22 Generator				
	518-0083	1	UC27 Generator				
15	304-0807	1	*Varistor				
16	860-2006	2	*Nut, Hex (M5)				
17	232-3695	1	*Hub, Drive – UC27 Generator				
18	850-2005	2	*Washer, Lock – Spring (M5)				
19	526-2060	2	*Washer, Flat (M5)				
20			O-Ring				
	509-0266-01	1	UCD22 Generator				
	509-0266-02	1	UC27 Generator				
21			Adapter, Generator				
	231-0383	1	UCD22 Generator				
	231-0317	1	UC27 Generator				
22			Screw, Cap – Hex Head – UC27 Generator				
	800-3017-42	5	M10 x 50mm				
	800-3017-44	1	M10 x 60mm (12 O'Clock Position)				
			UCD22 Generator				
	800-3017-20	6	M8 x 25mm				

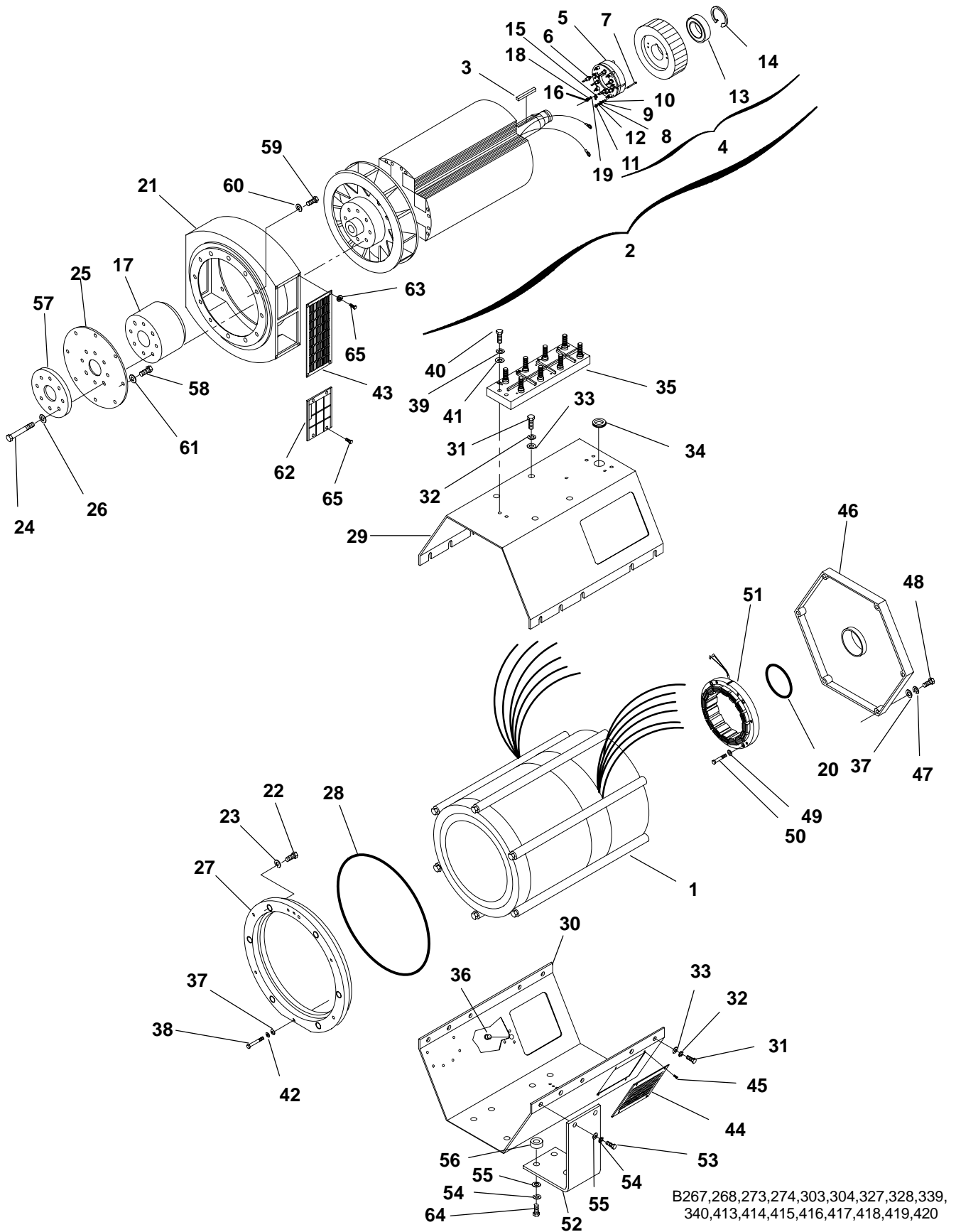
* – Parts Included in Generator Rotor Assemblies

– Parts Included in Exciter Rotor Assemblies

+ – Parts Included in Rectifier Assemblies

Continued...

Generator



B267,268,273,274,303,304,327,328,339,
340,413,414,415,416,417,418,419,420

Generator

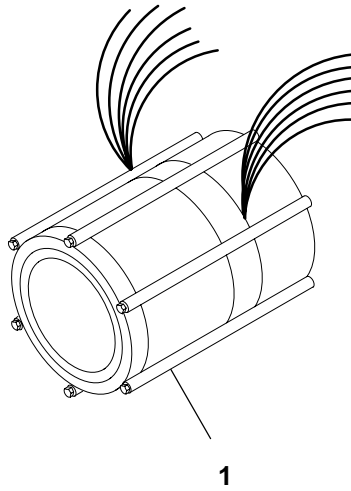
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
Continued...				53			Screw, Cap – Hex Head
32			Washer, Lock – Spring	800-3017-39	4		UCD22 Generator (M10 x 35mm)
	850-0114-55	10	UCD22 Generator (M10)	800-2543-05	4		UC27 Generator (M12 x 40mm)
	850-0114-56	10	UC27 Generator (M12)	54			Washer, Lock – Spring
33			Washer, Flat	850-0114-55	8		UCD22 Generator (M10)
	526-0399-62	10	UCD22 Generator (M10)	850-0117	8		UC27 Generator (M12)
	526-0399-64	10	UC27 Generator (M12)	55			Washer, Flat
34	508-1057	1	Grommet	526-0423	8		UCD22 Generator (M10)
35	232-3421	1	Block, Terminal	526-0433	8		UC27 Generator (M12)
36	517-0135	1	Plug, Hole	56			Spacer, Mounting Foot
37			Washer	232-3730-03	4		UCD22 Generator
	232-3441	12	UCD22 Generator – Special	232-3730-04	4		UC27 Generator
	526-0423	12	UC27 Generator – Flat (13/32" ID x 1-1/4" OD x 1/4" Thk)	57	232-3960	1	Plate, Pressure – UCD22 Generator
38	800-3017-38	6	Screw, Cap – Hex Head (M10 x 30mm) – UC27 Generator	58	805-0015	8	Bolt, Place (3/8–16 x .75")
39	850-2008	3	Washer, Lock – Spring – UC27 Generator (M8)	59			Screw, Cap – Hex Head
40	800-2060	3	Screw, Cap – Hex Head (M8 x 35mm)		800-2088	4	UCD22 Generator
41	526-2100	3	Washer, Flat (M8)		800-2090	6	M10 x 35mm
42	850-0114-55	6	Washer, Lock – Spring (M10)		800-2088	12	M10 x 45mm
43			Guard, Fan – Generator				UC27 Generator (M10 x 35mm)
	234-0990	2	UCD22 Generator – Upper	60	850-2010	12	Washer, Lock – Spring (M10)
	234-0867	2	UC27 Generator	61	526-0174	8	Washer, Flat (3/8")
44			Screen, Air Inlet	62	234-0981	2	Guard, Fan – Generator – Lower – UCD22 Generator
	234-0878	2	UCD22 Generator	63	526-0399-11	8	Washer, Flat – UCD22 Generator (#10)
	234-0879	2	UC27 Generator	64			Screw, Cap – Hex Head
45	821-6001-02	8	Screw, Self-Locking – Hex Washer Head (M5 x 12mm)	800-3017-41	4		UCD22 Generator (M10 x 45mm)
46			Bell, End	800-2543-05	4		UC27 Generator (M12 x 40mm)
	211-0422	1	UCD22 Generator	65			Screw, Self-Locking – Hex Washer Head
	211-0423	1	UC27 Generator	821-6001-02	16		UCD22 Generator (M5 x 12mm)
47			Washer, Lock – Spring	821-6001-01	8		UC27 Generator (M5 x 10mm)
	850-0114-54	6	UCD22 Generator (M8)				
	850-0114-55	6	UC27 Generator (M10)				
48			Screw, Cap – Hex Head				
	800-3017-20	6	UCD22 Generator (M8 x 25mm)				
	800-3017-38	6	UC27 Generator (M10 x 30mm)				
49	850-2006	4	Washer, Lock – Spring (M6)				
50	800-2042	4	Screw, Cap – Hex Head (M6 x 60)				
51	220-4293-05	1	Stator, Exciter				
52			Bracket, Mounting – Generator Foot				
	232-3940	2	UCD22 Generator				
	232-3925	2	UC27 Generator				

* – Parts Included in Generator Rotor Assemblies

– Parts Included in Exciter Rotor Assemblies

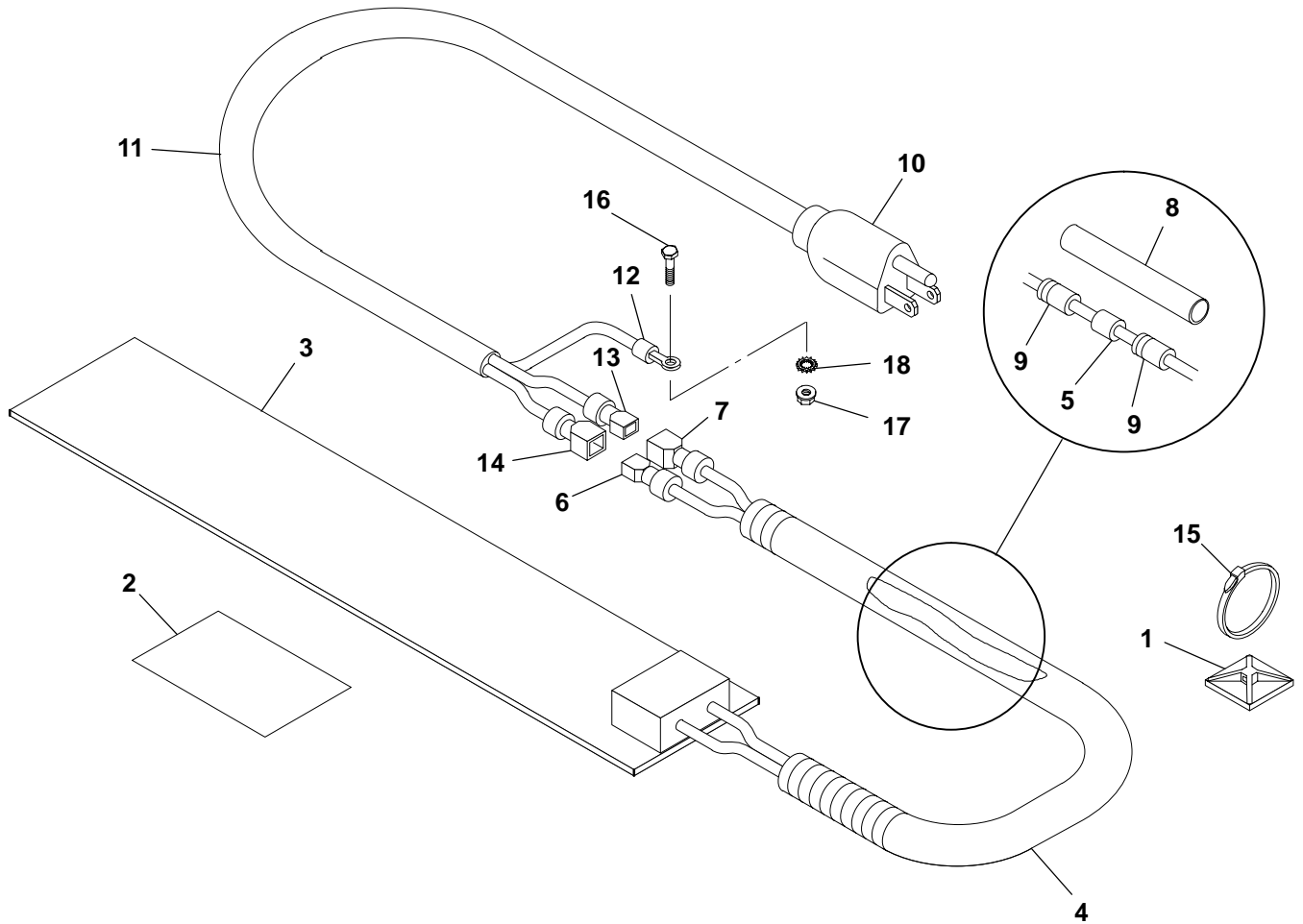
+ – Parts Included in Rectifier Assemblies

Generator Stator



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Stator, Generator
			GGHE
			UCD22 Generator
	220-4447-09	1	240mm Stack Length, Winding Code 6
	220-4447-10	1	300mm Stack Length, Winding Code 6
	220-4447-14	1	240mm Stack Length, Winding Code 11
	220-4447-15	1	300mm Stack Length, Winding Code 11
	220-4447-19	1	240mm Stack Length, Winding Code 14
	220-4447-28	1	180mm Stack Length, Winding Code 17
	220-4447-29	1	240mm Stack Length, Winding Code 17
			UC27 Generator
	220-4448-14	1	190mm Stack Length, Winding Code 11
			GGHF
			UCD22 Generator
	220-4447-10	1	300mm Stack Length, Winding Code 6
	220-4447-15	1	300mm Stack Length, Winding Code 11
	220-4447-19	1	240mm Stack Length, Winding Code 14
	220-4447-20	1	300mm Stack Length, Winding Code 14
	220-4447-29	1	240mm Stack Length, Winding Code 17
	220-4447-30	1	300mm Stack Length, Winding Code 17
			UC27 Generator
	220-4448-07	1	165mm Stack Length, Winding Code 6
	220-4448-08	1	190mm Stack Length, Winding Code 6
	220-4448-13	1	165mm Stack Length, Winding Code 11
	220-4448-14	1	190mm Stack Length, Winding Code 11

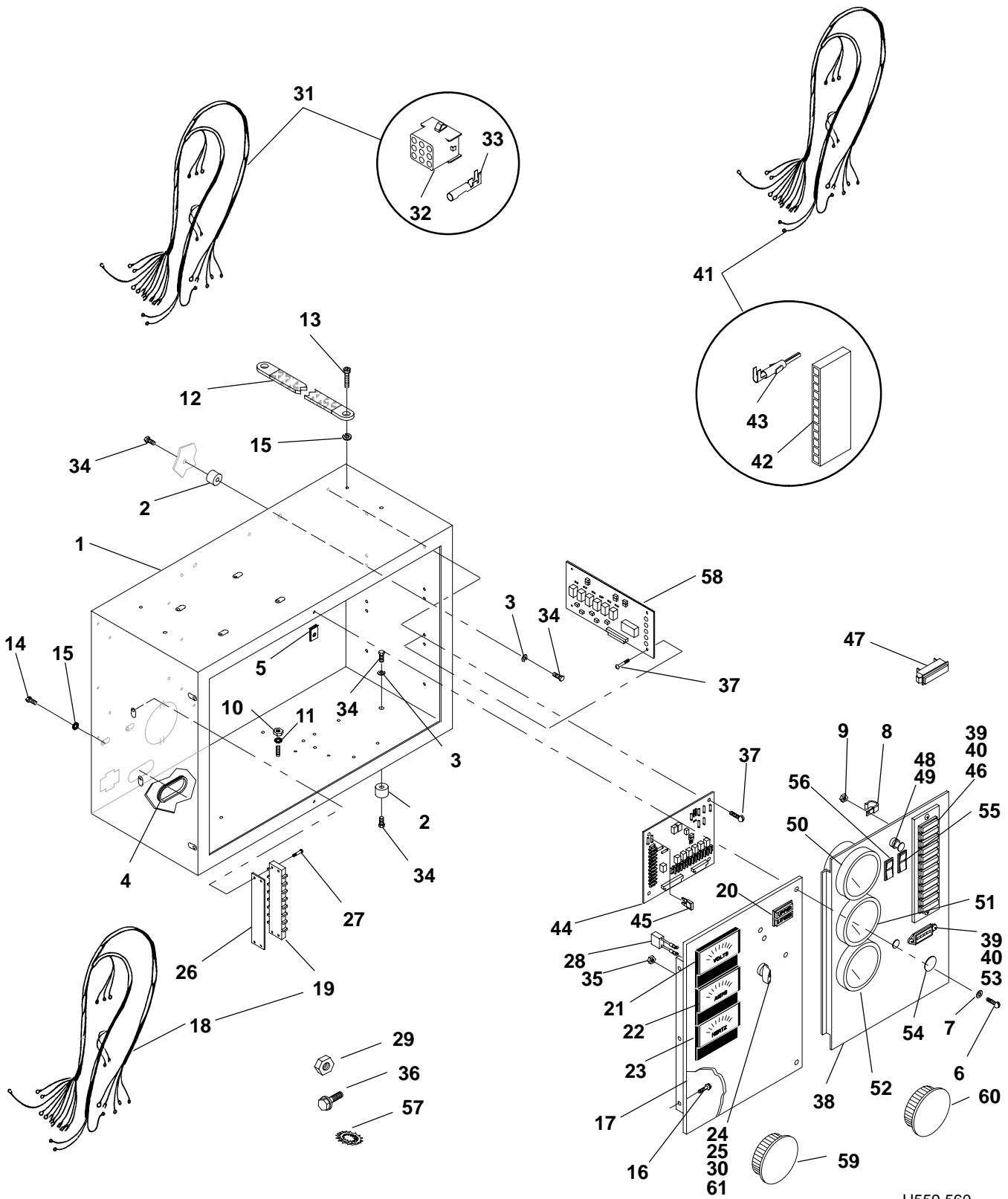
Control Heater



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-2420	2	Mount, Tie – Cable	11	335-0110	1	* Cable
2	098-6195	1	Label, Caution	12	332-2697	1	* Terminal, Ring
3			Heater, Control	13	332-1992	1	* Terminal, Receptical
	300-4515-01	1	120 Volt	14	332-2430	1	* Terminal, Tab
	300-4515-02	1	240 Volt	15	332-0942	3	Tie, Cable
4	898-1195-01	A/R	Sleeving, Convoluted	16	800-0024	1	Screw, Cap – Hex Head (5/16-18 x 3/4)
5	357-0114	1	Rectifier, Power	17	870-0257	1	Nut, Hex – Self Locking (5/16-18)
6	332-1992	1	Terminal, Receptical	18	856-0008	2	Washer, Lock EIT (5/16)
7	332-2430	1	Terminal, Tab				
8	898-0860	A/R	Tubing, Heat Shrink				
9	332-1789	2	Splice, Window (18 Gauge)				
10	335-0173	1	Cable, Heater – Control (Includes Parts Marked *)				

* – Parts Included in 335-0173 Heater Cable

Detector Control

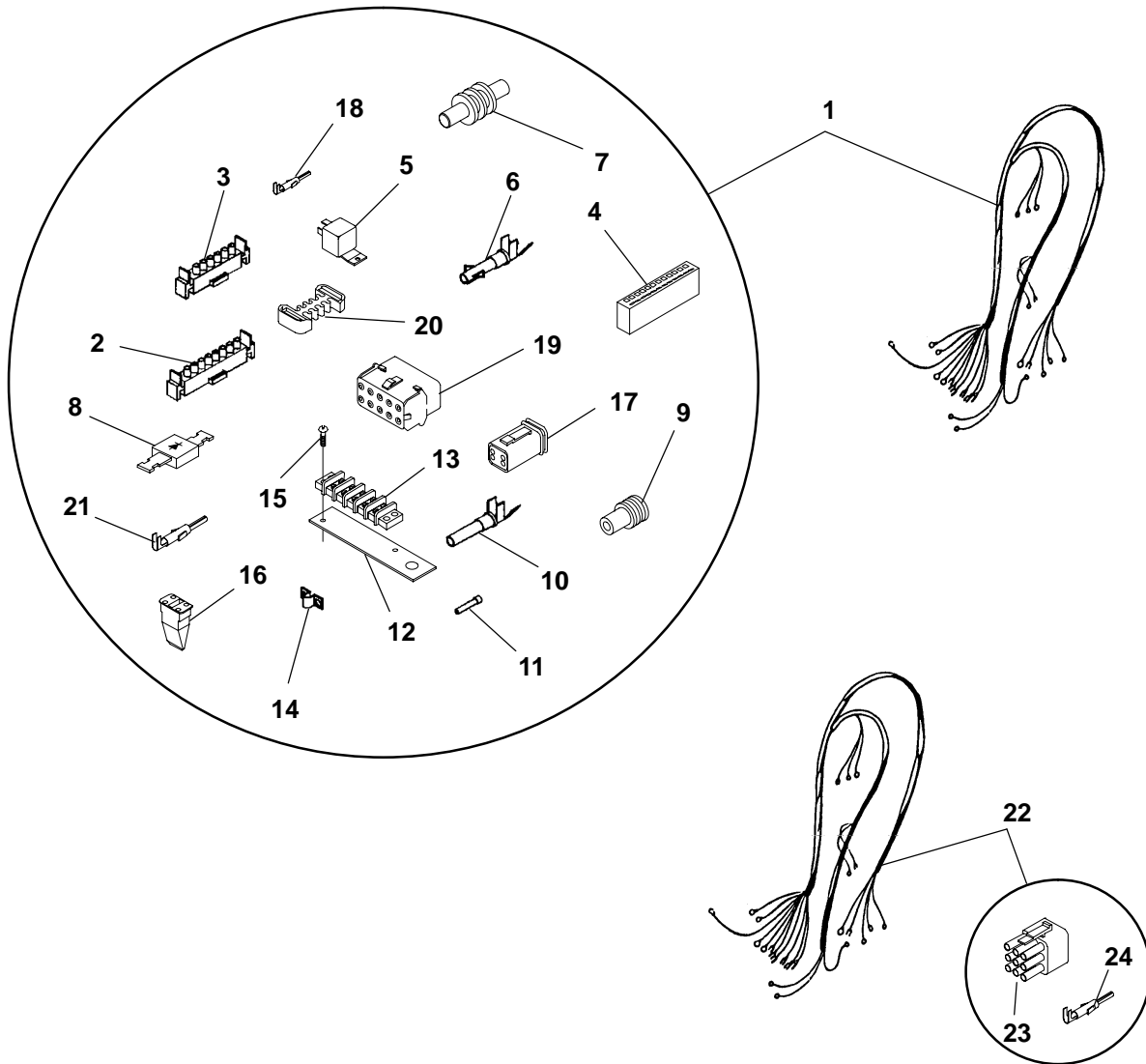


H559,560

Detector Control

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3030	1	Box, Control	34	800-0045	4	Screw, Cap – Hex Head (5/16-18 x 3/8")
2	402-0527	4	Isolator, Vibration	35	870-1220	6	Nut, Hex (#4-40)
3	850-0045	4	Washer, Lock – Spring (5/16)	36	821-5000-05	1	Screw, Self-Locking – Hex Washer Head (#10-32 x 1/2")
4	508-0051	1	Grommet (Fits 2" Hole)	37	815-0937	4	Screw, Pan Head (Cross Recessed (#6-32 x 1/2"))
5	406-0332	2	Receptacle, Fastener	38	301-9055-01	1	Door, Control – DC
6	406-0333	2	Stud, Fastener	39	815-0385	4	Screw, Machine – Round Head (#6-32 x 1/2")
7	406-0334	2	Washer, Stud Retainer	40	870-0183	4	Nut, Hex – W/ET (#6-32)
8	332-0052	2	Clip, Wire	41	338-3252	1	Harness, Wiring – DC Control Door (Includes Connector Housing and Contact Pins) (22 Wire, 32") (A11J4 to GND, M11,12,13,14, S11,12, DS11)
9	870-0131	1	Nut, Hex – W/ET (#10-32)	42	323-1308	1	Housing, Connector (J4)
10	871-0015	1	Nut, Hex (1/4-20)	43	323-1302	11	Pin, Contact
11	526-0018	1	Washer, Flat (1/4")	44	300-4296	1	Board Assembly, Printed Circuit – Engine Monitor (Includes Fuses) (A11)
12	337-0049	1	Strap, Ground	45			Fuse
13	821-0014	5	Screw, Self-Locking – Hex Head (5/16-18 x 1/2")		321-0307-03	2	5 Amp (Tan) (F4, F5)
14	815-0905-08	1	Screw, Pan Head – Cross Recessed (#10-32 x 7/8")		321-0307-06	1	15 Amp (Light Blue) (F3)
15	856-0008	2	Washer, Lock – EIT (5/16")		321-0307-07	2	20 Amp (Yellow) (F1, F2)
16	821-0004	3	Screw, Self-Locking – Hex Washer Head (#10-32 x 5/16")	46	322-0360-01	1	Light Assembly, Indicator (Includes Wiring Harness and Connector Housing) (A12)
17	301-9054-01	1	Door, Control – AC	47	322-0369-01	1	Light, Indicator – Replacement
18	338-2278	1	Harness, Wiring – AC Control Door (Includes Terminal Block) (19 Wire, 26") (TB21, GND to GND, M21,22,23, S21, DS21,22)	48	322-0361	1	Light, Panel (DS11)
19	332-0607	1	Block, Terminal (12 Place) (TB21)	49	322-0004	1	Bulb, Panel Light – Replacement
20	322-0363	1	Light, Indicator – Upper/Lower Scale (DS21,22)	50	193-0466	1	Gauge, Oil Pressure (M11)
21			Voltmeter, AC (M21)	51	193-0351	1	Gauge, Water Temperature (M12)
	302-1148	1	0-300/600	52	302-1641	1	Voltmeter (M13)
	302-1753	1	0-0750	53	302-2002	1	Meter, Hour (M14)
22			Ammeter (M22)	54	517-0131	1	Plug, Hole (Fits 7/8" Hole)
	302-1683	1	0-100/200	55	308-1010	1	Switch, Rocker – Lamp Test/Reset Panel Lamp (S11)
	302-1684	1	0-150/300	56	308-1011	1	Switch, Rocker – Run/Stop/Remote (S12)
	302-1685	1	0-200/400	57	853-0008	1	Washer, Lock – ET (#10)
23	302-1968	1	Meter, Frequency (M23)	58	300-5098	1	Board, Printed Circuit – Sensor Board (A27)
24	853-0008	1	Washer, Lock – ET (#10)	59	517-0302	1	Plug, Hole (Fits 2-1/4" Hole) (Quantity Used As Required)
25	308-1052	1	Switch, Rotary – Voltmeter/Ammeter (Includes Handle) (S21)	60	517-0301	1	Plug, Hole (Fits 2" Hole) (Quantity Used As Required)
26	332-2723	1	Strip, Marker	61	308-1082	1	Handle, Rotary Switch
27	815-0901-06	2	Screw, Cross Recessed – Thread Forming (#6-32 x 5/8")				
28	355-0189	1	Capacitor – Voltmeter (.1 Mfd., 500 WVDC) (C21)				
29	870-0183	2	Nut, Hex – W/ET (#6-32)				
30	815-0875-02	3	Screw, Machine – Round Head (M4 x 8mm)				
31	338-3429	1	Harness, Wiring – Terminal Block (9 Wire, 11") (Includes Connector Plug and Sockets) (P2 to TB21)				
32	323-1644-02	1	Plug, Connector (P2)				
33	323-1648	9	Socket, Contact				

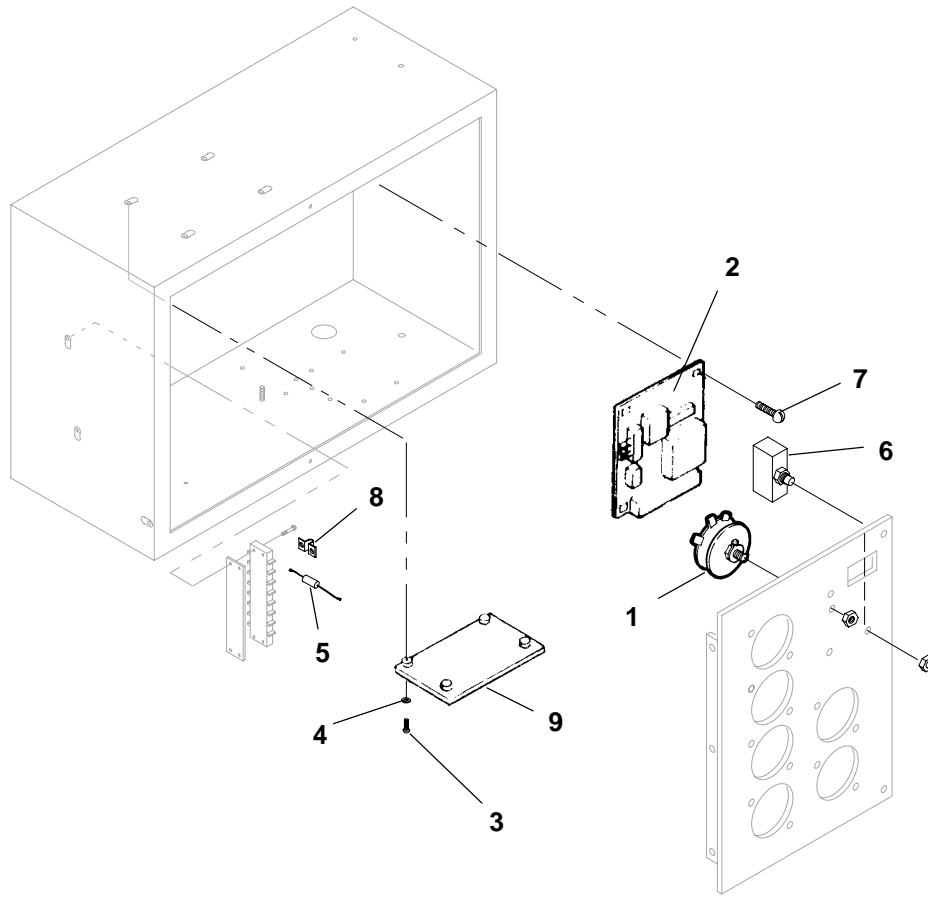
Engine Wiring Harness



Engine Wiring Harness

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-3921	1	Harness, Wiring – Engine to Control (Includes Parts Marked #)	15	815-0538	2	# Screw, Machine – Round Head – Cross Recessed W/IT (8-32 x .50)
2	323-1306	1	# Housing, Connector – 8 Place (J1)	16	323-1548	1	# Wedge, Plug (4 Pin)
3	323-1304	1	# Housing, Connector – 6 Place (J2)	17	323-1546	1	# Plug (4 Pin)
4	323-1374-12	1	# Housing, Connector – 12 Place (J3)	18	323-1302	11	# Pin, Contact (Used in J3)
5	307-2817-01	2	# Relay (K4, K5)	19	323-1710	1	# Connector (10 Pin) (P8)
6	323-1200	12	# Socket, Contact (Used in J1, J2)	20	323-1719	1	# Housing, Lock (P8)
7	323-1712	A/R	# Plug, Cavity (P8)	21	323-1707	10	# Pin, Terminal (P8)
8	357-0030	1	# Rectifier, Silicon (CR2)	22			Harness, Wiring – AC Auxiliary (Includes Parts Marked +)
9	323-1708	A/R	# Seal, Cable (P8)		338-3405	1	600 Volts
10	323-1492	3	# Socket, Contact (Used on E1)		338-3403	1	Less than 600 Volts
11	323-1591	1	# Plug, Seal (E1)	23			+ Connector, Plug (9 Place)
12	319-2006-01	1	# Bracket, Terminal Mounting		323-1644-01	2	600 Volts
13	332-0604	1	# Block, Terminal (T26)		323-1644-01	1	Less than 600 Volts
14	332-1043	4	# Jumper (T26)	24	323-1647	A/R	+ Pin, Contact
				# – Parts Included in 338-3921 Wiring Harness			
				+ – Parts Included in 338-3405 and 338-3403 Wiring Harness			

Voltage Regulator

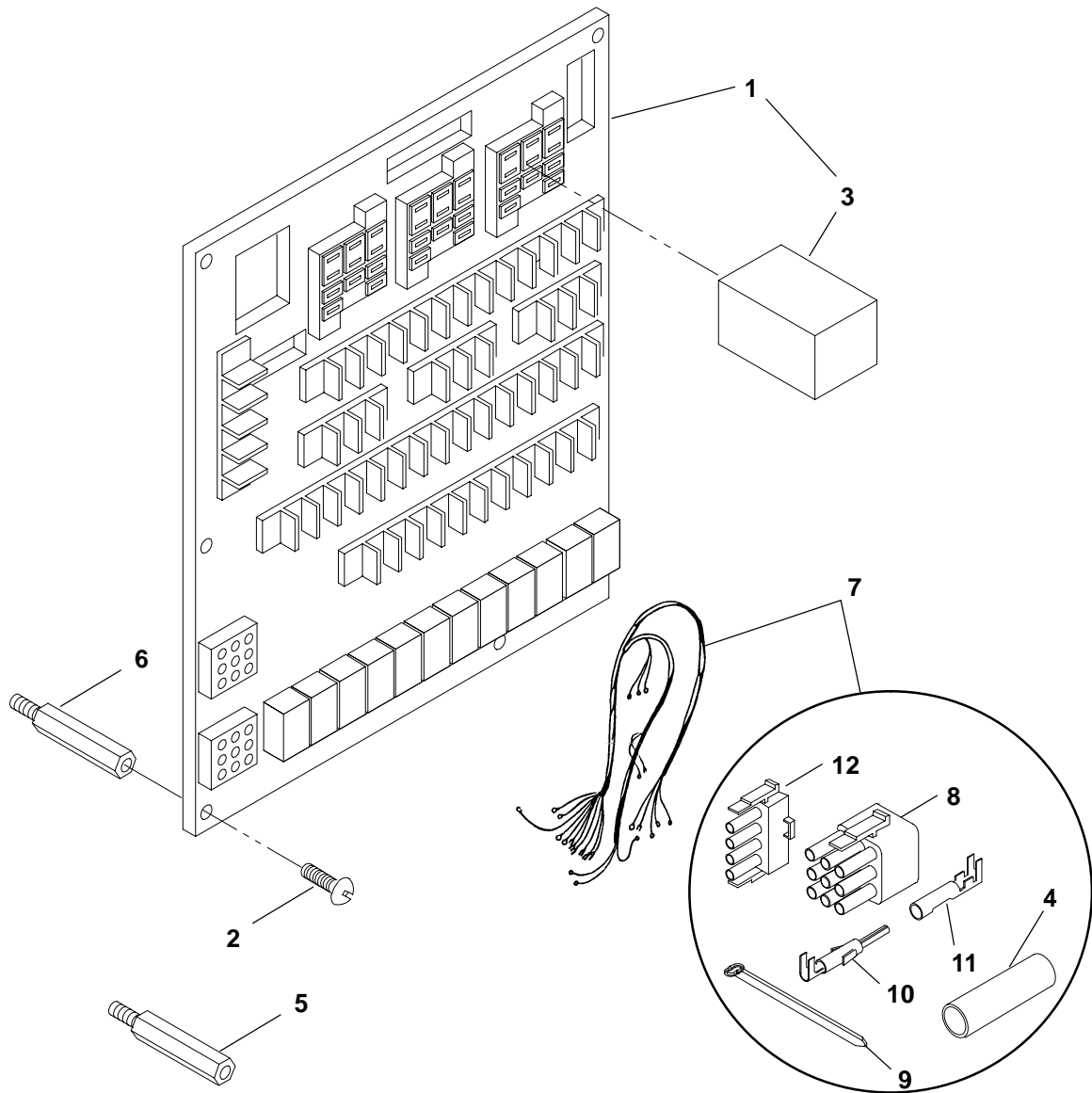


REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	303-0261	1	Potentiometer (R21) * 1.5K Ohms (Used With Model SX460 Voltage Regulator)	6	320-1688-01	1	*#Breaker, Circuit (CB21)
	303-0285-01	1	# 5K Ohms (Used With Model MX321 Voltage Regulator)	7			*#Screw, Pan Head – Cross Recessed (#10–32 x 7/8")
2			Board, Printed Circuit – Voltage Regulator (VR21)	815-0905-08	4		SX460 Voltage Regulator
	305-0982	1	* Model SX460	815-0905-08	6		MX321 Voltage Regulator
	305-0823	1	# Model MX321	8	332-1043	1	*#Jumper (Used on TB21)
3	815-0937	4	#Screw, Pan Head – Cross Recessed (#6–32 x 1/2")	9	305-0868	1	#Board, Printed Circuit – Isolation Transformer (T30)
4	526-0003	4	#Washer, Flat (#8)				
5	350-1222	1	*#Resistor (1.5K Ohms) (Used on TB21)				

* – Parts Used on Generators Without Permanent Magnet Exciter

– Parts Used on Generators With Permanent Magnet Exciter

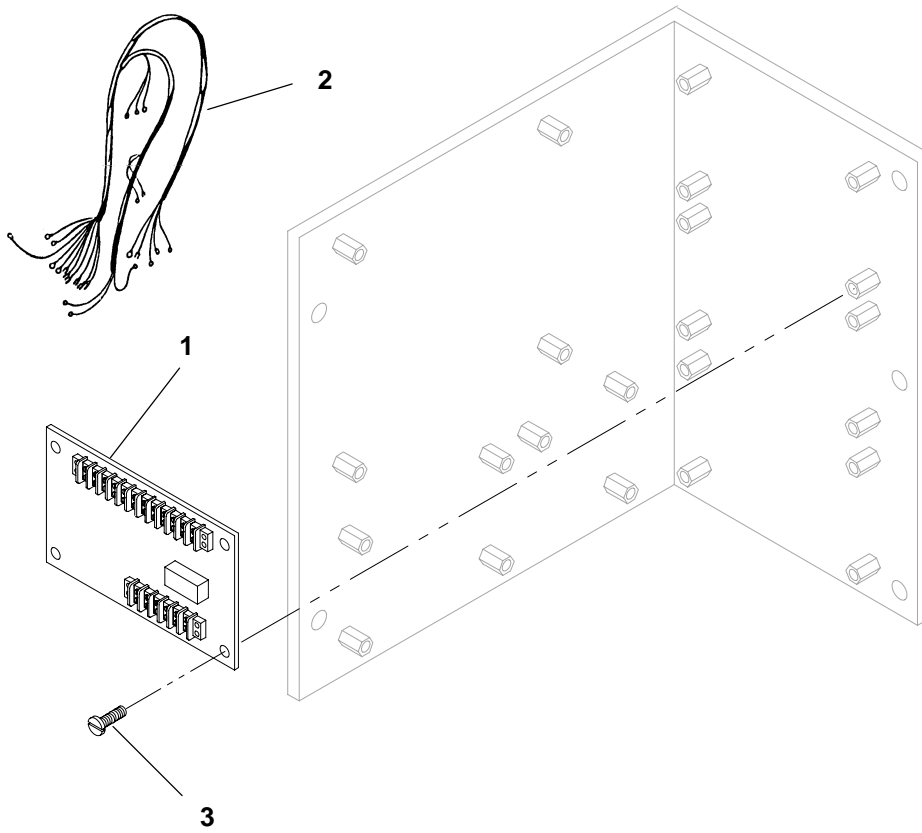
Alarm Relay Board



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-4111-03	1	Board, PC - Alarm Relay	7	338-2875	1	Harness, Alarm Relay Board (Includes parts marked *)
2	815-0937	6	Screw, Machine - Round Head - Cross Recessed (#6-32 x .50)	8	323-1291	2	* Plug, 9 Pin
3	307-1058	3	Relay (12 VDC) (K1, K2, K3)	9	332-1445	A/R	* Tie, Cable
4	898-0025	5	* Sleeving (1/2")	10	323-1199	9	* Pin, Contact
5	870-0517-02	2	Standoff - Alarm Board (1.31 lg.)	11	323-1200	12	* Socket, Contact
6	870-0517-01	4	Standoff - Alarm Board (1.25 lg.)	12	323-1292	1	* Plug, 4 Pin

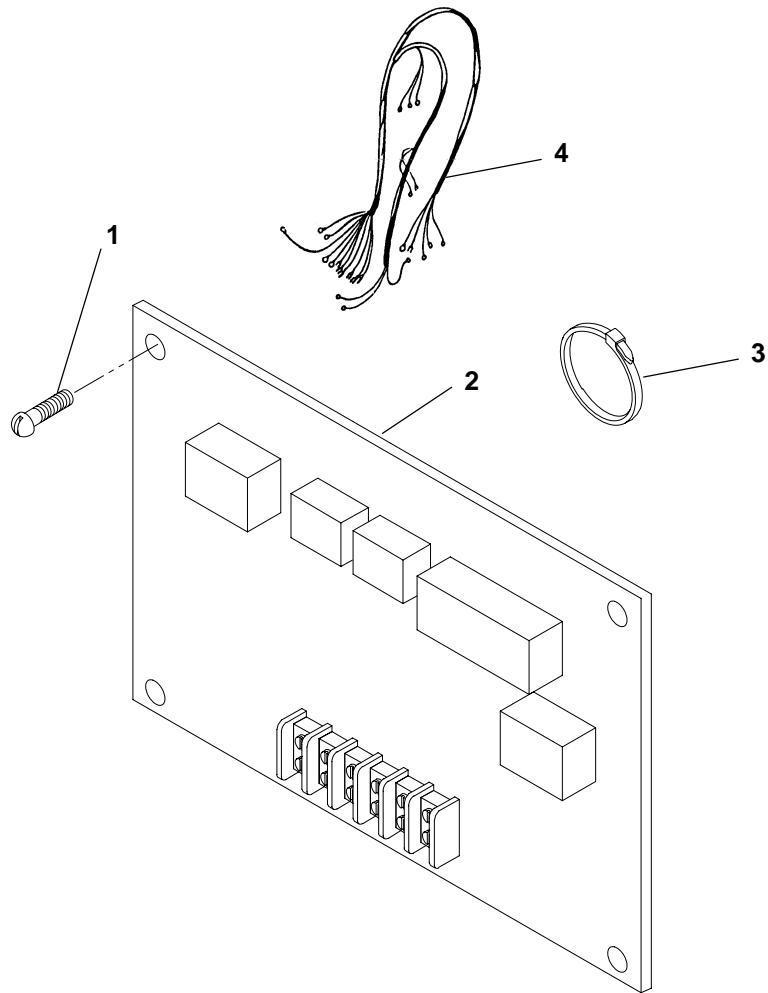
* = Parts includes in 338-2875 Harness Assembly

Common Alarm



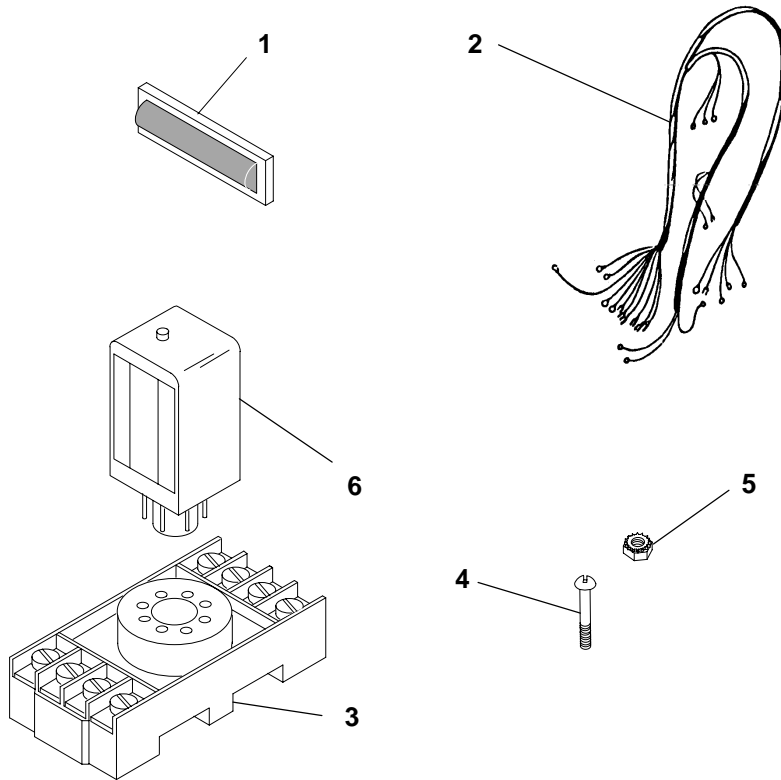
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-4218-01	1	Board, Printed Circuit – Diode	3	812-0063	4	Screw, Machine – Round Head (#6-32 x 1/2)
2	338-3033	1	Harness, Common Alarm				

Time Delay Start/Stop



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

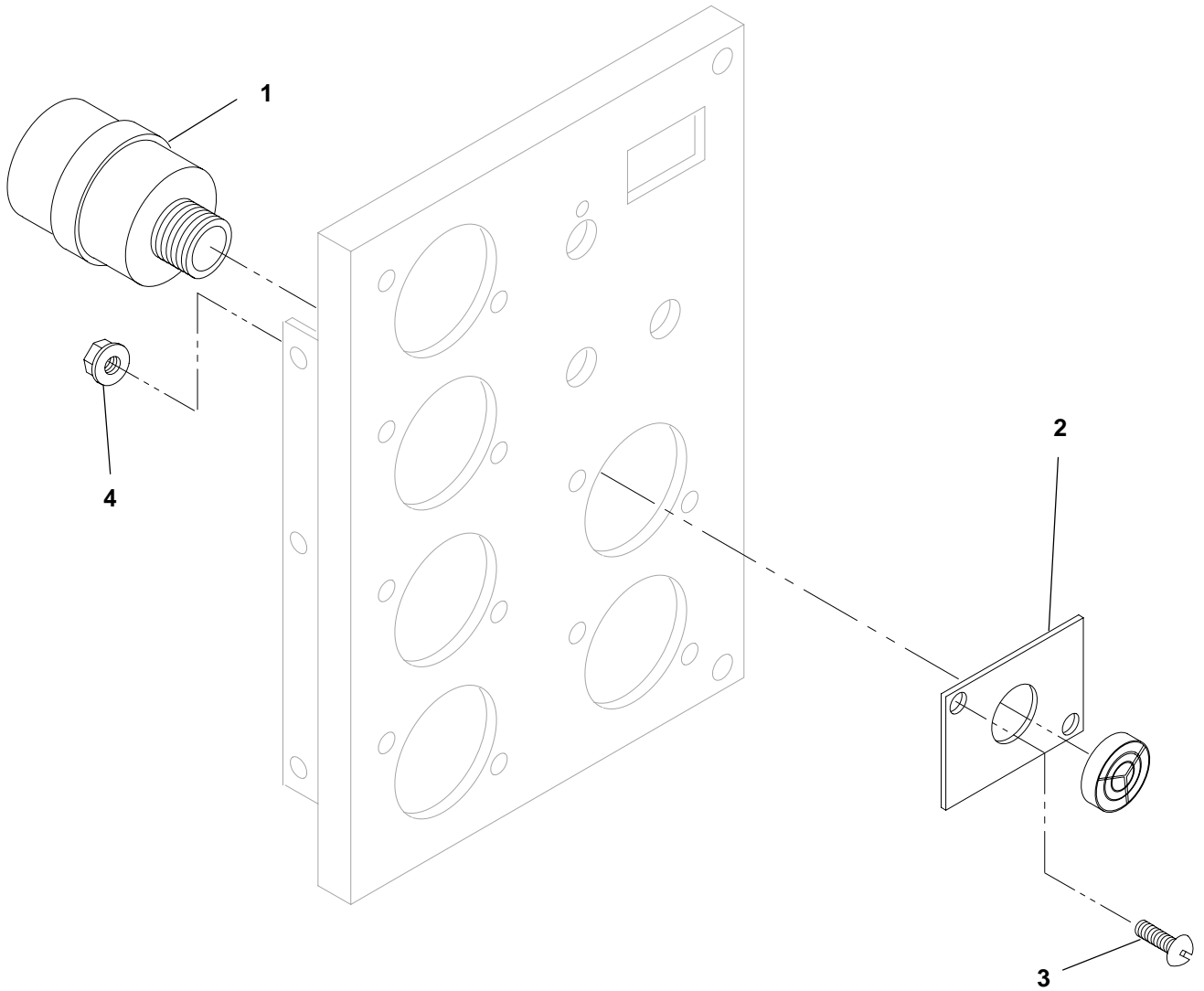
Low Battery Voltage Sensor



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

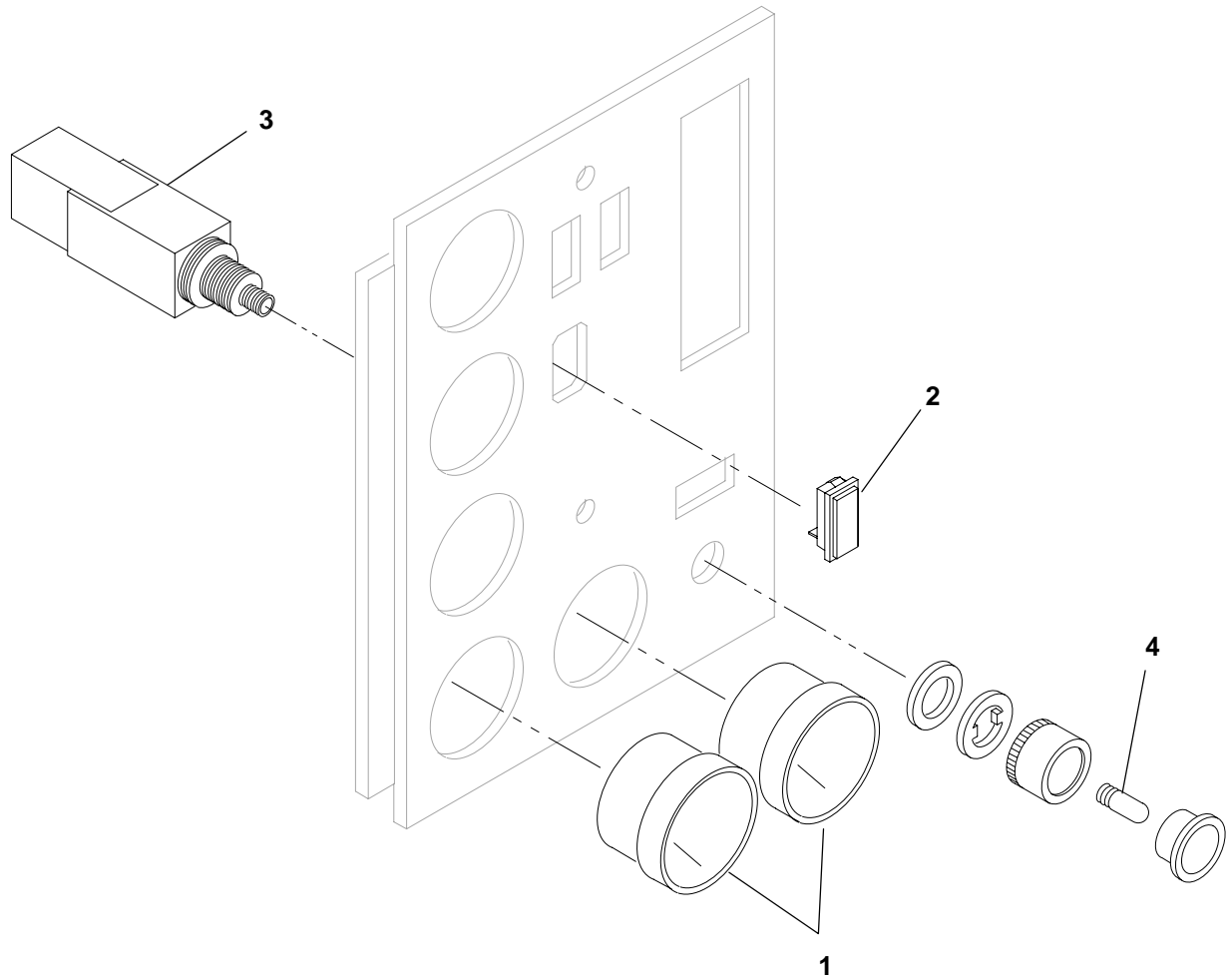
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	812-0084	2	Screw, Machine – Round Head (#8-32 x 1)
5	870-1221	2	Nut, Hex W/ET (#8-32)
6	305-0901	1	Sensor, Low Battery Voltage

Audible Alarm



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

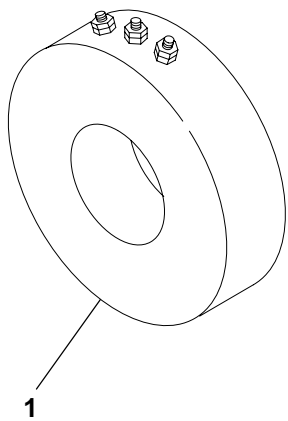
Emergency Stop Switch



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

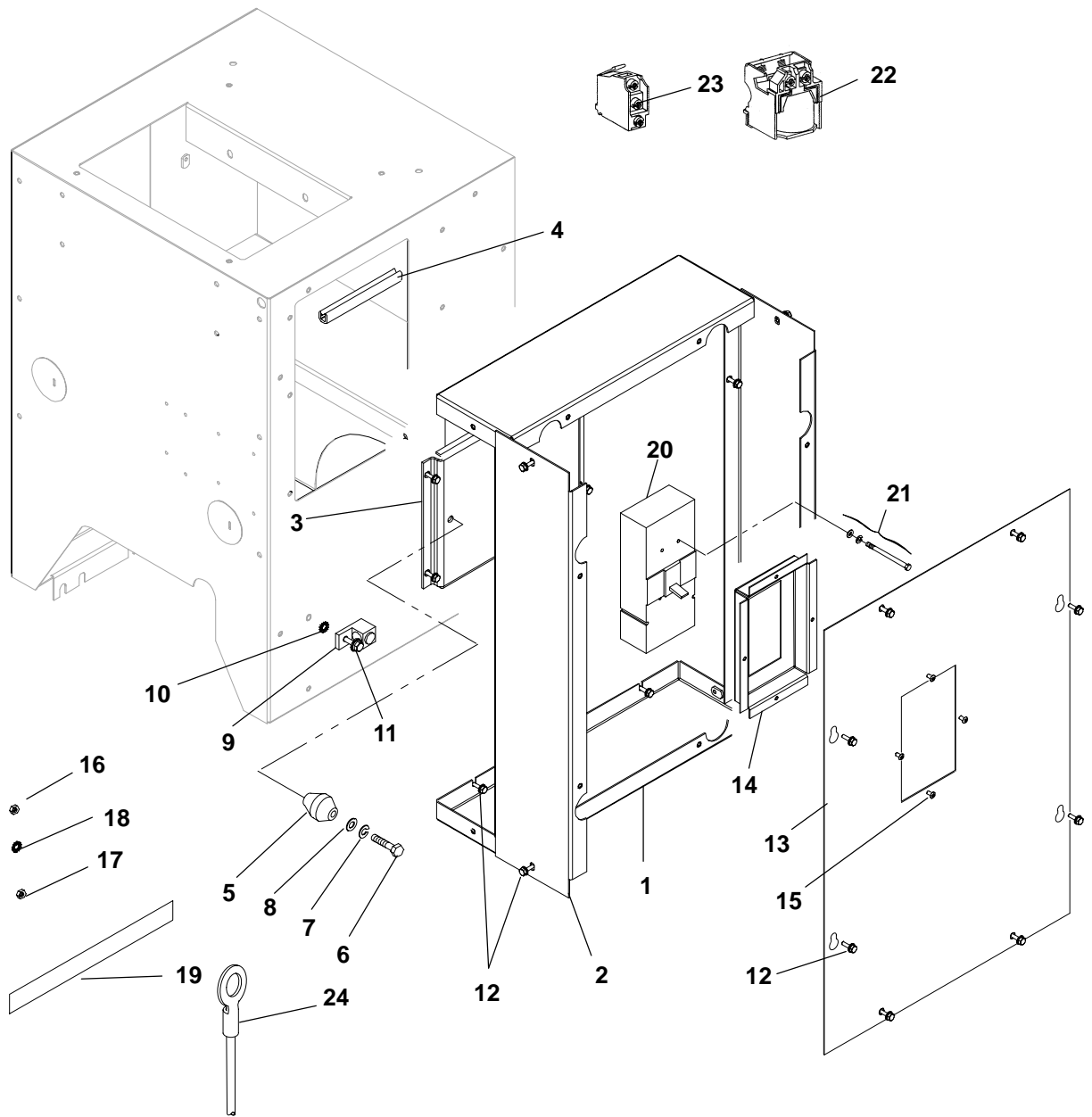
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	322-0394	1	Bulb, Replacement

Current Transformer



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Transformer, Current (CT21, CT22, CT23)				
	302-1845-04	3	Ratio 100/5 or 200/5				
	302-1845-05	3	Ratio 150/5 or 300/5				
	302-1845-06	3	Ratio 200/5 or 400/5				

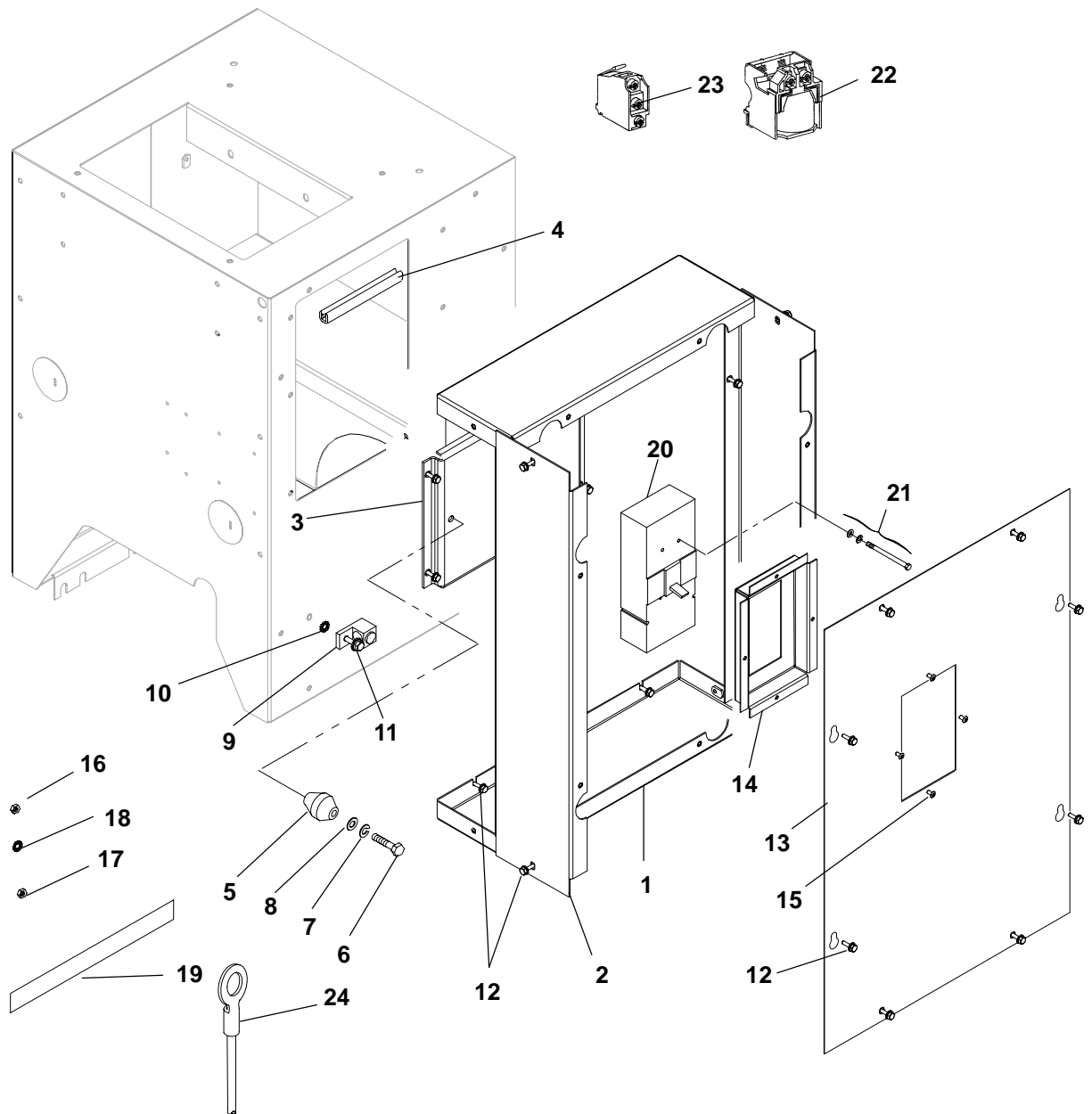
Circuit Breaker



Circuit Breaker

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3072	2	Panel, Box – Top and Bottom	16	860-0012	4	Nut, Hex (#12-24) Mounting
2	319-2978	2	Panel, Box – Side				Mounting Hardware Used On
3	319-3149	1	Bracket, Mounting – Circuit Breaker				320-1962-XX Circuit Breakers
4	508-0239	–	Edging – Bulk (Order By The Foot – 2 Feet Required)	17	870-0221	4	Nut, Hex – W/ET (#8-32)
5	332-2744-07	1	*Standoff, Insulator				Mounting Hardware Used On
6	800-0048	2	*Screw, Cap – Hex Head (3/8-16 x 3/4")	18	856-0005	4	Washer, Lock – EIT (#12)
7	850-0050	2	*Washer, Lock – Spring (3/8")				Mounting Hardware Used On
8	526-0029	1	*Washer, Flat (3/8")				320-1962-XX Circuit Breakers
9	332-1473	1	Lug, Solderless	19	091-0002	1	Strip, Copper (Used for
10	856-0008	1	Washer, Lock – EIT (5/16")				wrapping end of leads before
11	821-6003-02	1	Screw, Self-Locking – Hex Washer Head (M8 x 20mm)				securing to circuit breakers)
12	821-6002-03	24	Screw, Self-Locking – Hex Washer Head (M6 x 16mm)				(Quantity Used As Required)
13	319-3151	1	Cover, Box	* – Parts Used On Generator Sets With 2 Or 3 Pole Circuit Breakers			
14			Cup				
	319-3242	1	1-1/2" x 3-1/2" Opening	Continued...			
	319-3150	1	2-1/2" x 4-3/4" Opening				
	319-3240	1	3" x 3-15/16" Opening				
15	818-0231-02	4	Rivet, Pop				

Circuit Breaker



Circuit Breaker

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
Continued...				21			Package, Hardware – Circuit Breaker Mounting (Includes Screws, Nuts and Lock Washers)
20			Breaker, Circuit				
			2 Pole (UL)				
	320-1961-07	1	100 Amp (240 Volts)		320-1986-08	1	Used With 320-1959-XX Circuit Breakers
	320-1961-06	1	125 Amp (240 Volts)		320-1986-07	1	Used With 320-1960-XX Circuit Breakers
	320-1961-05	1	150 Amp (240 Volts)		320-1986-05	1	Used With 320-1962-XX Circuit Breakers (Screws Only)
	320-1961-04	1	175 Amp (240 Volts)				Accessories, Circuit Breaker: The following are used on 320-1959-XX and 320-1960-XX Circuit Breakers
	320-1961-03	1	200 Amp (240 Volts)				
	320-1961-02	1	225 Amp (240 Volts)				
	320-1961-01	1	250 Amp (240 Volts)				
	320-1962-03	1	* 300 Amp (240 Volts)	22	320-1981-02	1	Trip, Shunt (12V)
	320-1962-02	1	* 350 Amp (240 Volts)	23	320-1981-01	2	Switch – Used as an Auxiliary Contact or Trip Alarm
	320-1962-01	1	* 400 Amp (240 Volts)				
			3 Pole (UL)	24			Lead (Quantity Used As Required)
	320-1961-14	1	100 Amp (240 Volts)		226-0893	1	3/8" Ring Terminal End to 1" Stripped End – No Markings (33") (#1/0 Wire)
	320-1961-13	1	125 Amp (240 Volts)				
	320-1961-12	1	150 Amp (240 Volts)		226-3505-01	1	3/8" Ring Terminal End to 1" Stripped End – No Markings (30") (#4 Wire)
	320-1961-11	1	175 Amp (240 Volts)				
	320-1961-10	1	200 Amp (240 Volts)		226-3505-03	1	3/8" Ring Terminal End to 3/8" Ring Terminal End – Marked "LO" (30") (#4 Wire)
	320-1961-09	1	225 Amp (240 Volts)				
	320-1961-08	1	250 Amp (240 Volts)		226-3505-04	1	3/8" Ring Terminal End to 3/8" Ring Terminal End – Marked "LO" (30") (#1/0 Wire)
	320-1962-06	1	* 300 Amp (240 Volts)				
	320-1962-05	1	* 350 Amp (240 Volts)				
			3 Pole (UL & IEC)				
	320-1959-20	1	* 30 Amp (600/750 Volts)				
	320-1959-19	1	* 40 Amp (600/750 Volts)				
	320-1959-18	1	* 50 Amp (600/750 Volts)				
	320-1959-17	1	* 60 Amp (600/750 Volts)				
	320-1959-10	1	* 70 Amp (600/750 Volts)				
	320-1959-09	1	* 80 Amp (600/750 Volts)				
	320-1959-08	1	* 90 Amp (600/750 Volts)				
	320-1959-07	1	* 100 Amp (600/750 Volts)				
	320-1959-06	1	* 125 Amp (600/750 Volts)				
	320-1959-05	1	* 150 Amp (600/750 Volts)				
	320-1959-04	1	* 175 Amp (600/750 Volts)				
	320-1959-03	1	* 200 Amp (600/750 Volts)				
	320-1959-02	1	* 225 Amp (600/750 Volts)				
	320-1959-01	1	* 250 Amp (600/750 Volts)				
	320-1960-06	1	* 300 Amp (600/750 Volts)				
	320-1960-05	1	* 350 Amp (600/750 Volts)				
	320-1960-04	1	* 400 Amp (600/750 Volts)				
	320-1960-03	1	* 450 Amp (600/750 Volts)				
	320-1960-02	1	* 500 Amp (600/750 Volts)				
			4 Pole (IEC)				
	320-1959-15	1	* 100 Amp (750 Volts)				
	320-1959-14	1	* 125 Amp (750 Volts)				
	320-1959-13	1	* 160 Amp (750 Volts)				
	320-1959-12	1	* 200 Amp (750 Volts)				
	320-1959-11	1	* 250 Amp (750 Volts)				
	320-1960-10	1	* 320 Amp (750 Volts)				
	320-1960-09	1	* 400 Amp (750 Volts)				

* – Includes Mounting Hardware

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, 73		130-5304-02, 33, 35		155-2062-53, 25		220-4447-10, 58	
098-4500, 37, 39, 41		130-5306-02, 33, 35		155-2062-60, 25, 26		220-4447-14, 58	
098-4730, 37, 39, 41		140-3140, 8		155-2175, 25, 26		220-4447-15, 58	
098-4732, 37, 39, 41		140-3146-01, 8		155-3102-02, 25, 26		220-4447-19, 58	
098-5429, 37, 39, 41		140-3147, 8		155-3167, 26		220-4447-20, 58	
098-6139-06, 37		140-3246, 8, 9		155-3193, 25		220-4447-28, 58	
098-6195, 59		140-3265, 8		155-3238, 37, 39, 41		220-4447-29, 58	
098-7451, 37, 39, 41		140-3267, 8		166-0871, 7		220-4447-30, 58	
098-7470, 39, 41		140-3269, 8		166-0873, 7		220-4448-07, 58	
102-1054, 30		141-0787, 9		186-6619, 45		220-4448-08, 58	
102-1320, 30		145-0781, 11, 13, 15, 17, 19, 21, 23		186-6675, 45		220-4448-13, 58	
104-1949, 7		145-0796-02, 11, 13, 15, 17, 19, 21, 23		191-1981, 46		220-4448-14, 58	
104-1970, 7		148-0601, 11, 15, 19, 23		191-2200, 45		226-0893, 75	
104-1971, 7		148-0625, 21, 23		191-2209-01, 46		226-3505-01, 75	
104-1974, 7		148-0626, 19, 23		191-2213, 7, 45		226-3505-03, 75	
122-0837, 29		148-0636, 13, 17, 19		191-2215, 45		226-3505-04, 75	
122-0838-02, 29		148-1089, 23		191-2216, 45		231-0317, 55	
122-0841, 29		148-1090, 11, 13, 15, 17, 19, 23		191-2217, 45		231-0318, 55	
122-0842, 29		148-1099, 53		191-2218, 45		231-0319-02, 55	
128-0154-04, 39, 41		148-1140, 9		191-2219, 45		231-0383, 55	
128-0252, 39, 41		148-1148-02, 21, 23		191-2221, 45		231-0394-02, 7	
130-1788, 35		148-1152, 21, 23		191-2222, 45		232-3421, 57	
130-3660-02, 21, 23		150-2651, 47		191-2280-02, 7		232-3441, 57	
130-4596-01, 35		150-2692-01, 47		191-2281-02, 7		232-3462-03, 52	
130-4596-02, 35		150-2697, 47		191-2284, 46		232-3695, 55	
130-4596-03, 35		151-0769, 47		191-2288-02, 7		232-3699, 55	
130-4602, 32		151-0775-02, 11, 13, 15, 17, 19, 21, 23		193-0318, 7		232-3730-03, 57	
130-4622, 32		151-0776-02, 11, 13, 15, 17, 19, 21, 23		193-0351, 61		232-3730-04, 57	
130-4623, 32		154-2708, 26		193-0448, 29		232-3819-02, 55	
130-4767, 35		154-3048, 26		193-0466, 61		232-3819-03, 55	
130-4848, 37		154-3094, 24, 25, 26		193-0468, 27		232-3820-11, 55	
130-5213-01, 35		154-3098, 24		201-3434-02, 55		232-3925, 57	
130-5219-02, 33, 35		154-3099, 25, 26		201-3446, 52		232-3940, 57	
130-5220-02, 33, 35		154-3100-02, 7		201-3497-01, 55		232-3959-01, 55	
130-5221-02, 33, 35		154-3104, 24, 25, 26		201-3497-02, 55		232-3960, 57	
130-5222-02, 33, 35		154-3105, 24, 25, 26		201-3557-03, 55		232-3972, 52	
130-5227, 33, 35		154-3106, 24, 25, 26		201-3557-04, 55		234-0867, 57	
130-5228, 33, 35		154-3107-02, 7		201-3557-05, 55		234-0875-02, 52	
130-5231-02, 35		155-1256, 11, 13, 15, 17, 19, 23		211-0422, 57		234-0878, 57	
130-5256, 7				211-0423, 57		234-0879, 57	
130-5257, 7				220-4233, 52		234-0936-02, 55	
130-5284-02, 33, 35				220-4293-05, 57		234-0936-03, 55	
130-5287, 35				220-4447-09, 58		234-0937-11, 55	

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>
234-0981, 57		319-2006-01, 63		320-1961-01, 75		323-1374-12, 63	
234-0990, 57		319-2653, 37, 39, 41		320-1961-02, 75		323-1410-03, 68	
300-2897, 67		319-2967, 49		320-1961-03, 75		323-1492, 63	
300-4111-03, 65		319-2978, 48, 73		320-1961-04, 75		323-1546, 63	
300-4218-01, 66		319-2979-02, 48		320-1961-05, 75		323-1548, 63	
300-4296, 61		319-2996, 48, 49		320-1961-06, 75		323-1591, 63	
300-4515-01, 59		319-3030, 61		320-1961-07, 75		323-1644-01, 63	
300-4515-02, 59		319-3072, 48, 73		320-1961-08, 75		323-1644-02, 61	
300-5098, 61		319-3149, 73		320-1961-09, 75		323-1647, 63	
301-6257, 70		319-3150, 73		320-1961-10, 75		323-1648, 61	
301-9054-01, 61		319-3151, 73		320-1961-11, 75		323-1707, 63	
301-9055-01, 61		319-3207, 49		320-1961-12, 75		323-1708, 27, 63	
302-1148, 61		319-3208, 49		320-1961-13, 75		323-1709, 27	
302-1641, 61		319-3240, 73		320-1961-14, 75		323-1710, 63	
302-1683, 61		319-3242, 73		320-1962-01, 75		323-1712, 27, 63	
302-1684, 61		320-1688-01, 64		320-1962-02, 75		323-1719, 63	
302-1685, 61		320-1959-01, 75		320-1962-03, 75		323-1765, 27	
302-1723, 70		320-1959-02, 75		320-1962-05, 75		330-0141-03, 51	
302-1753, 61		320-1959-03, 75		320-1962-06, 75		330-0141-04, 51	
302-1845-04, 71		320-1959-04, 75		320-1981-01, 75		330-0142, 51	
302-1845-05, 71		320-1959-05, 75		320-1981-02, 75		332-0052, 61	
302-1845-06, 71		320-1959-06, 75		320-1986-05, 75		332-0604, 63	
302-1968, 61		320-1959-07, 75		320-1986-07, 75		332-0607, 61	
302-2002, 61		320-1959-08, 75		320-1986-08, 75		332-0942, 59	
303-0261, 64		320-1959-09, 75		321-0307-03, 61		332-1043, 63, 64	
303-0285-01, 64		320-1959-10, 75		321-0307-06, 61		332-1389, 8	
304-0807, 55		320-1959-11, 75		321-0307-07, 61		332-1445, 65, 67	
305-0823, 64		320-1959-12, 75		322-0004, 61		332-1473, 48, 73	
305-0868, 64		320-1959-13, 75		322-0360-01, 61		332-1789, 59	
305-0901, 68		320-1959-14, 75		322-0361, 61		332-1992, 59	
305-0982, 64		320-1959-15, 75		322-0363, 61		332-2420, 59	
307-0268-01, 21, 23		320-1959-17, 75		322-0369-01, 61		332-2430, 59	
307-1058, 65		320-1959-18, 75		322-0394, 70		332-2634, 21, 23	
307-2817-01, 19, 23, 63		320-1959-19, 75		322-0431-08, 68		332-2697, 59	
307-2884, 11, 13, 15, 17, 19, 23		320-1959-20, 75		323-1199, 65		332-2723, 61	
308-0853, 70		320-1960-02, 75		323-1200, 63, 65		332-2744-07, 73	
308-1010, 61		320-1960-03, 75		323-1291, 65		332-2987, 49	
308-1011, 61		320-1960-04, 75		323-1292, 65		332-3023, 51	
308-1052, 61		320-1960-05, 75		323-1302, 61, 63		332-3024-11, 51	
308-1082, 61		320-1960-06, 75		323-1304, 63		332-3228, 51	
309-0669, 15, 17, 19, 23		320-1960-09, 75		323-1306, 63		332-3561, 8	
319-0898, 69		320-1960-10, 75		323-1308, 61		333-0133, 69	

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>
333-0438-07, 51		403-4492-02, 43		405-6014, 39, 41		503-1988, 21, 23	
333-0438-08, 51		405-5734, 39, 41		405-6015, 39, 41		503-2166, 7	
333-0588-03, 28		405-5745, 37, 39, 41		405-6018, 37, 39, 41		503-2168, 7	
333-0588-04, 28		405-5832, 37		405-6029, 39, 41		503-2179, 43, 44	
333-0616, 28		405-5841, 39, 41		405-6030, 39, 41		504-0003, 35	
335-0110, 59		405-5902, 37, 39, 41		405-6034, 39, 41		504-0011, 30, 31	
335-0173, 59		405-5903, 37, 39, 41		405-6035, 39, 41		504-0202, 7	
337-0049, 61		405-5908, 37, 39, 41		405-6044, 39, 41		505-0004, 13, 15, 17, 19, 21, 23	
337-0090, 44		405-5910, 37, 39, 41		405-6068, 39, 41		505-0007, 15, 17, 19, 23	
337-0090-01, 43		405-5916, 37, 39, 41		405-6109, 39, 41		505-0040, 21, 23	
338-1904, 67		405-5952, 39, 41		405-6132, 39, 41		505-0041, 11, 13, 15, 17, 19, 21, 23	
338-2278, 61		405-5953, 39, 41		405-6603-02, 33		505-0057, 29	
338-2875, 65		405-5954, 39, 41		406-0332, 61		505-0059, 53	
338-3011, 52		405-5955, 39, 41		406-0333, 61		505-0086, 21, 23	
338-3033, 66		405-5956, 39, 41		406-0334, 61		505-0087, 19, 23	
338-3034, 68		405-5957, 39, 41		406-0782, 37, 39, 41		505-0091, 11, 13, 15, 17, 19, 23	
338-3252, 61		405-5958, 39, 41		406-0831, 37, 39, 41		505-0098, 53	
338-3403, 63		405-5960, 39, 41		406-0918, 37, 39, 41		505-0099, 21, 23	
338-3405, 63		405-5961, 39, 41		416-0549, 7		505-0102, 11, 13, 15, 17, 19, 21, 23	
338-3429, 61		405-5966, 39, 41		416-0993-02, 36		505-0107, 11	
338-3654-01, 21, 23		405-5987, 39, 41		416-1019, 7		505-0117, 31	
338-3666, 15, 17		405-5988, 39, 41		416-1033, 36		505-0132, 11, 13, 15, 17, 19, 23	
338-3667, 53		405-5989, 41		501-0630, 21, 23		505-0304, 15, 17, 19, 21, 23	
338-3751, 27		405-5990, 39, 41		502-0054, 21, 23		505-0337, 11, 13, 15, 17, 19, 23	
338-3816-01, 19, 23		405-5991-01, 39, 41		502-0085, 31		505-0356, 11, 13, 15, 17, 19, 21, 23	
338-3921, 63		405-5991-02, 39, 41		502-0827, 21, 23, 30, 31		505-0479, 21, 23	
350-1222, 64		405-5992, 41		502-0942, 21, 23		505-0802, 15, 17, 19, 23	
355-0189, 61		405-5993, 41		502-0943, 28		505-1524, 11, 13, 15, 17, 19, 23	
357-0030, 63		405-5994, 41		502-1006, 21, 23		508-0051, 61	
357-0091, 55		405-5995, 39, 41		502-1162, 11, 13, 15, 17, 19, 21, 23		508-0139, 55	
357-0092, 55		405-5996, 39, 41		502-1299, 11, 13, 15, 17, 19, 21, 23, 53		508-0228, 51	
357-0114, 59		405-5997, 39, 41		503-0183, 21, 23, 28		508-0239, 48, 73	
358-0135-01, 55		405-5998, 39, 41		503-0191, 21, 23		508-0305-02, 49	
358-0135-02, 55		405-6000-01, 41		503-0197, 30, 31		508-1057, 57	
402-0527, 61		405-6000-02, 39, 41		503-0276, 35		509-0266-01, 55	
402-0644, 43, 44		405-6000-03, 39, 41		503-0365, 33, 35		509-0266-02, 55	
403-4110, 42		405-6000-04, 39, 41		503-0386, 28		510-0164, 55	
403-4116, 42		405-6000-07, 39, 41		503-0465, 33, 35			
403-4267, 36		405-6001-01, 39, 41		503-1195, 30, 31			
403-4290, 42		405-6003, 39, 41		503-1870-07, 8			
403-4425-02, 43, 44		405-6005, 39, 41		503-1872-01, 21, 23			
403-4450-02, 44		405-6010, 39, 41					
403-4481-02, 44		405-6013, 39, 41					

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>
510-0165, 55		526-0423, 57		800-3017-39, 57		850-0040, 47	
511-0161-18, 7		526-0433, 43, 44, 57		800-3017-41, 57		850-0045, 61	
512-0209, 7		526-0451, 37, 39, 41		800-3017-42, 55		850-0050, 73	
512-0210, 7		526-2050, 51, 55		800-3017-44, 55		850-0114-54, 55, 57	
512-0211, 7		526-2060, 55		800-3017-54, 55		850-0114-55, 11, 13, 15, 17, 19, 21, 23, 55, 57	
512-0212, 7		526-2080, 11, 13, 15, 17, 19, 21, 23		800-3034, 51		850-0114-56, 57	
515-0297-01, 55		526-2100, 7, 11, 13, 15, 17, 19, 21, 23, 57		805-0015, 57		850-0117, 57	
515-0299-04, 55		526-2101, 33, 35		805-2021-06, 55		850-2003, 51	
515-0299-05, 55		526-2120, 7, 49		812-0063, 66		850-2004, 51, 55	
517-0021, 51		526-2140, 24, 25		812-0084, 68		850-2005, 7, 46, 55	
517-0094, 43, 44		720-1119, 55		813-0102, 47		850-2006, 52, 57	
517-0131, 39, 41, 61		775-0049, 52		813-0103, 47		850-2008, 7, 46, 57	
517-0135, 49, 57		800-0024, 59		815-0385, 61, 69		850-2010, 7, 49, 52, 57	
517-0138-07, 39, 41		800-0045, 61		815-0538, 63		853-0008, 61	
517-0289, 8		800-0048, 73		815-0761-01, 52		856-0005, 73	
517-0301, 61		800-0315, 26		815-0792-04, 51		856-0008, 48, 49, 59, 61, 73	
517-0302, 61		800-0602, 47		815-0793-03, 44		856-0010, 43, 44	
517-0322, 39, 41		800-0607, 43, 44		815-0875-02, 61		856-0013, 43, 44	
518-0083, 55		800-2010, 43		815-0901-06, 61		860-0012, 73	
518-0122, 55		800-2036, 47		815-0905-08, 61, 64		860-2005, 51, 55	
518-0601, 4		800-2042, 57		815-0924, 21, 23		860-2006, 7, 43, 46, 55	
520-1011, 8		800-2052, 33, 35		815-0937, 61, 64, 65, 67		860-2008, 7, 19, 21, 23, 46	
520-1024, 11, 13, 15, 17, 19, 21, 23		800-2058, 7, 17		815-0970, 29		860-2009, 11, 13, 15, 17, 19, 21, 23, 49	
520-2407, 11, 13, 15, 17, 19, 21, 23		800-2060, 57		818-0231-02, 8, 32, 33, 35, 37, 39, 41, 73		862-0001, 8	
525-0304, 4		800-2077, 35		818-0237-01, 8, 37, 39, 41		862-0026-54, 11, 13, 15, 17, 19, 21, 23	
525-0305, 4		800-2086, 7		821-0004, 61		862-0044, 43, 44	
525-0306, 4		800-2088, 7, 57		821-0014, 49, 61		865-0020, 8	
526-0003, 64		800-2089, 11, 13, 15, 17, 19, 21, 23		821-5000-05, 61		865-0030, 36	
526-0008, 43		800-2090, 57		821-5003-01, 49		870-0131, 47, 61	
526-0011, 39, 41		800-2097, 7		821-6001-01, 52, 57		870-0183, 61, 69	
526-0018, 8, 47, 61		800-2099, 21, 23		821-6001-02, 57		870-0221, 73	
526-0029, 73		800-2115, 21, 23, 24, 25		821-6002-02, 7		870-0257, 59	
526-0174, 11, 13, 15, 17, 19, 21, 23, 43, 44, 57		800-2528, 44		821-6002-03, 11, 13, 15, 17, 19, 21, 23, 42, 48, 49, 73		870-0504, 37, 39, 41	
526-0238-01, 43, 44		800-2530-03, 43		821-6003-02, 11, 13, 15, 17, 19, 21, 23, 26, 33, 35, 48, 73		870-0517-01, 65	
526-0259, 55		800-2543-02, 43, 44		821-6006-01, 28, 37, 39, 41, 44		870-0517-02, 65	
526-0356, 26		800-2543-05, 57		821-6007-02, 36, 37, 39, 41		870-1220, 61	
526-0393, 11, 13, 15, 17, 19, 21, 23		800-3009, 55		822-3047, 51		870-1221, 68	
526-0399-11, 57		800-3017-20, 11, 13, 15, 19, 21, 23, 55, 57		822-3075, 51		870-2054, 47	
526-0399-62, 57		800-3017-37, 55		850-0030, 47		870-2064-01, 51, 55	
526-0399-64, 57		800-3017-38, 57				871-0015, 61	

Numerical Index

<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>
895-0363,	37, 39, 41						
895-0382,	37						
895-0384,	39, 41						
895-0385,	39, 41						
895-0386,	39, 41						
898-0025,	65						
898-0860,	59						
898-1195-01,	59						



Onan Corporation
1400 73rd Avenue N.E.
Minneapolis, MN 55432
612-574-5000
Telex: 275477
Fax: 612-574-8087

Onan is a registered trademark of Onan Corporation
Cummins is a registered trademark of Cummins Engine Company