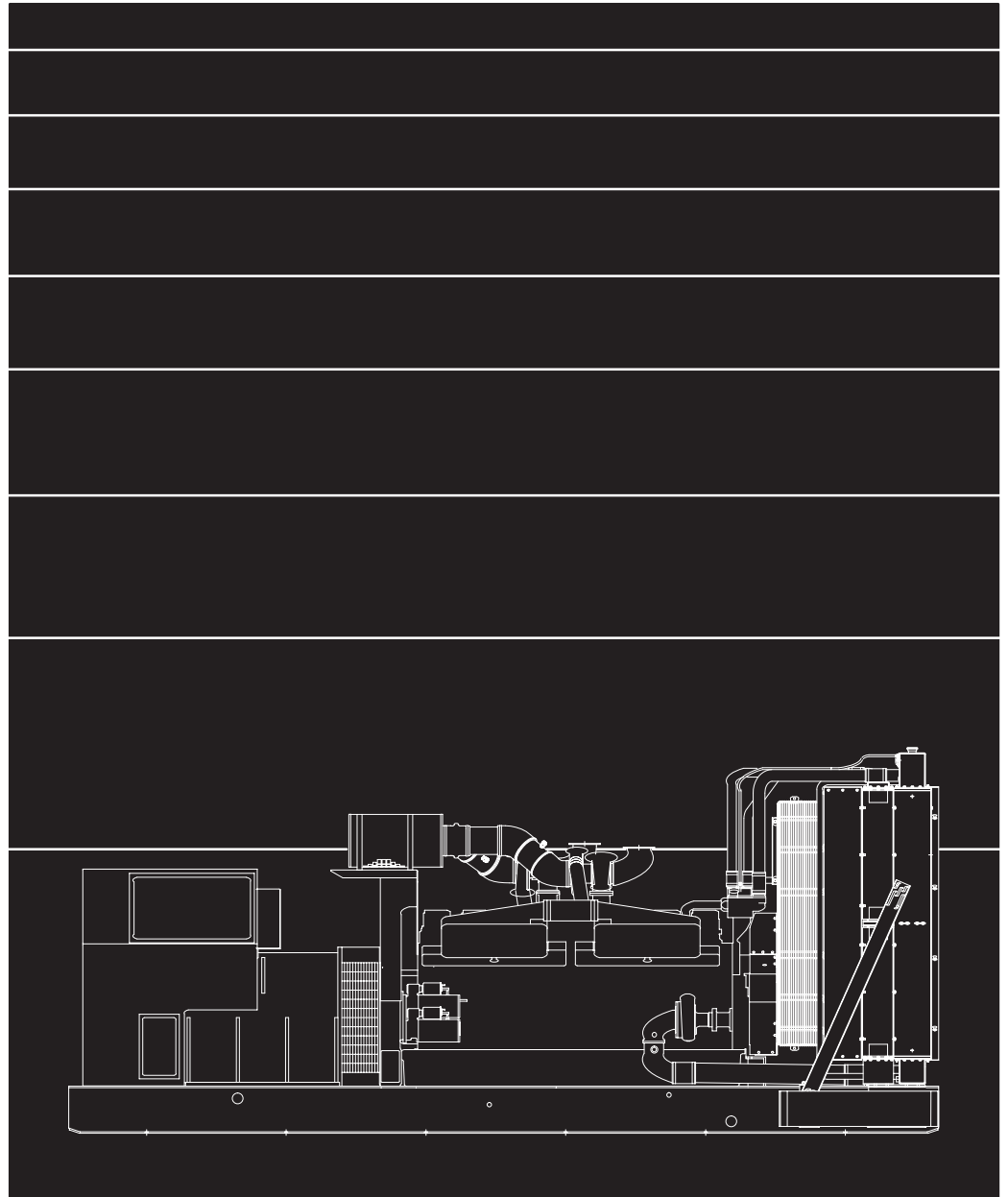




# Parts Catalog

DFLE

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

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

## Replacement Engine

Onan/Cummins Generator Model	Cummins Engine Model
1250DFLE	KTA50-G8
1500DFLE	KTA50-G9

Replacement engines cannot be ordered from Onan.  
Order from your nearest Cummins distributor.

## Generator Set Data Table

Model/ Specification	Electrical Data					Battery Voltage
	Watts	Volts	Hertz	Wire	Phase	
1250DFLE*	1,250,000	#	50	6	1 or 3	24 VDC
1500DFLE*	1,500,000	#	60	6	1 or 3	24 VDC

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

# – Broad Range Reconnectible.

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## Abbreviations

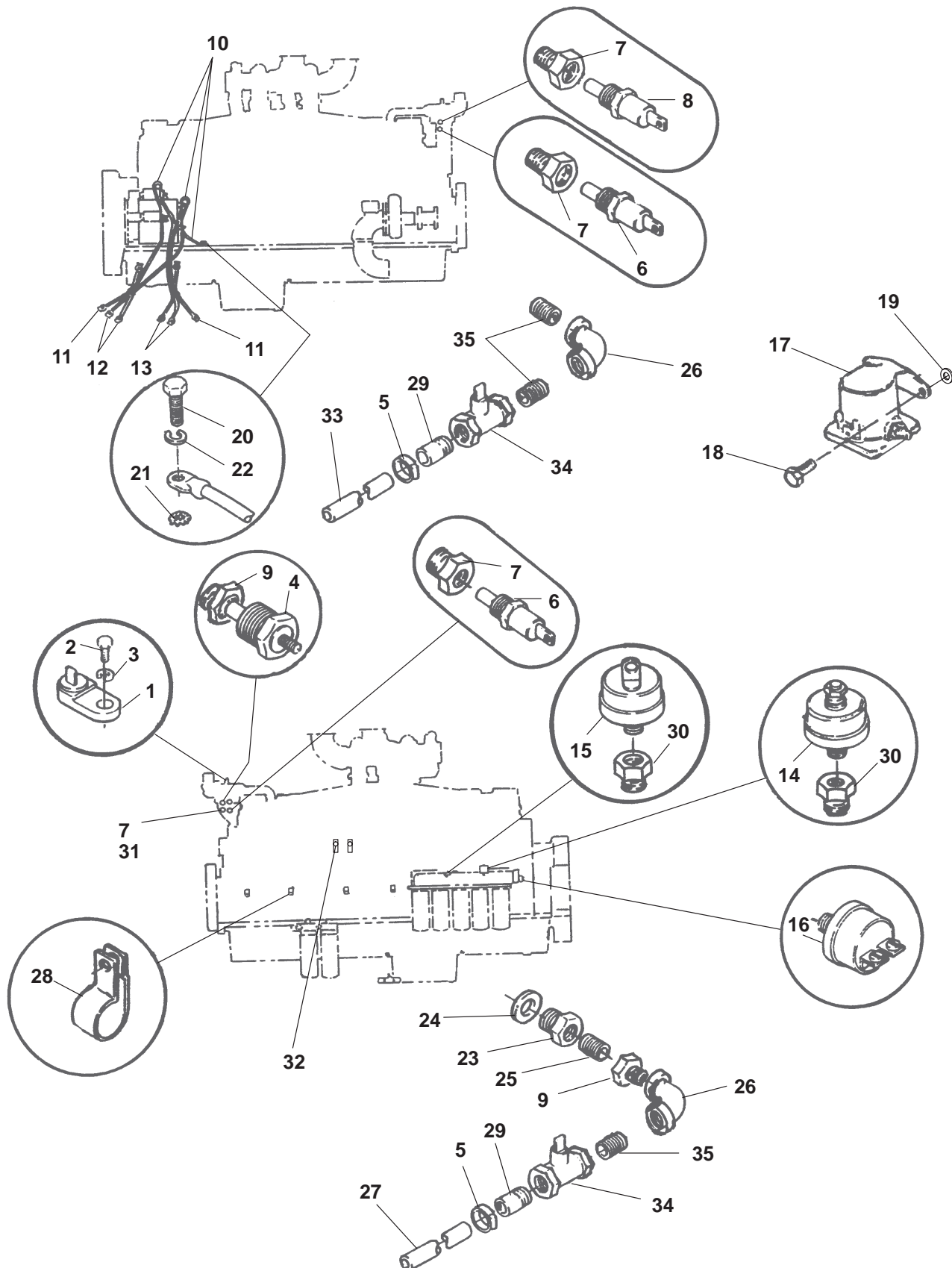
Some of the following abbreviations may be used throughout this Parts Catalog;

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

## Paint and Thread Sealant

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

# External Engine Parts Generator Sets With Detector Control



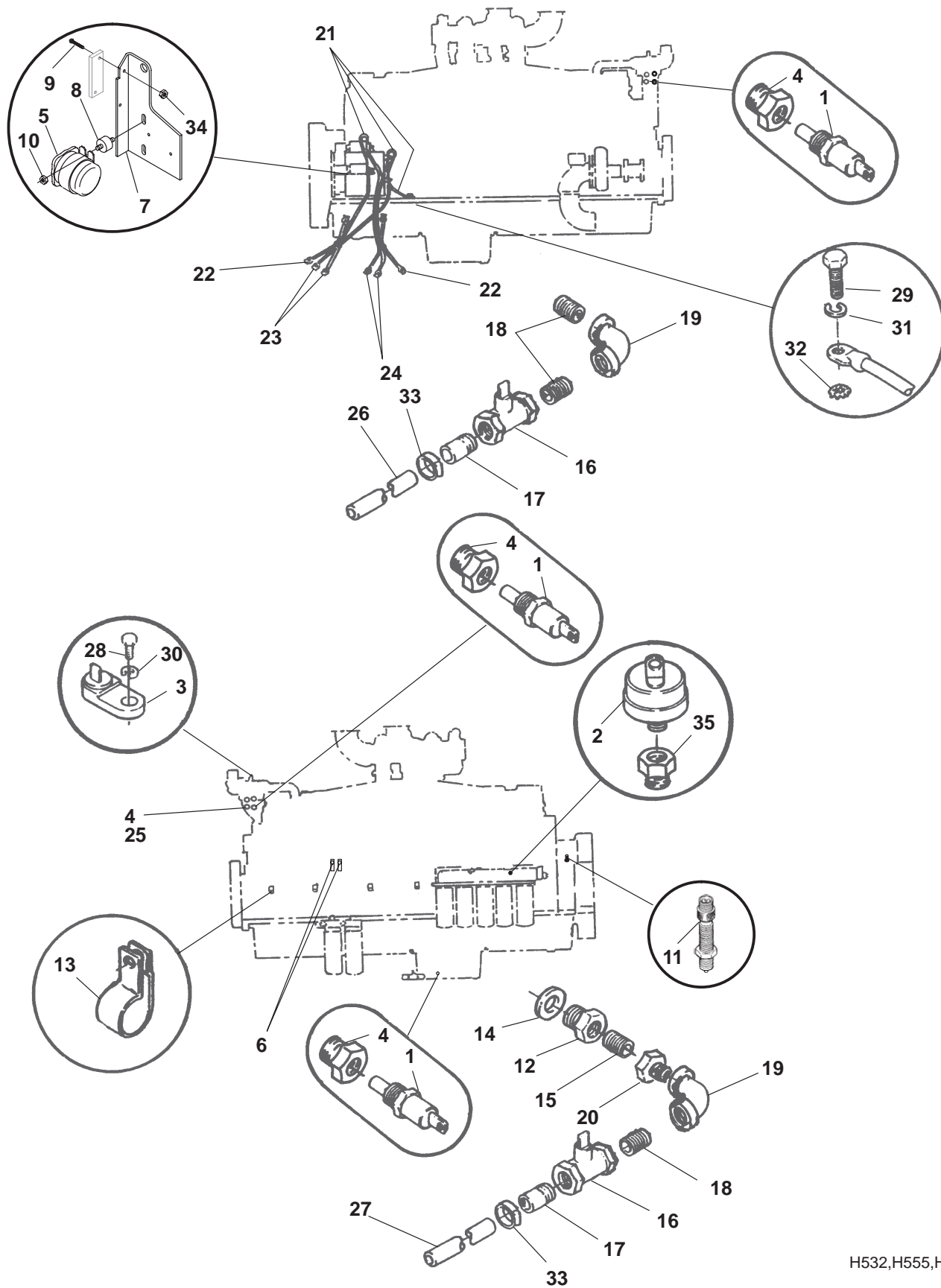
H529,546,547



## External Engine Parts Generator Sets With Detector Control

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	309-0269	1	Switch, Low Engine Temperature (S4)	19	856-0006	1	Washer – EIT (1/4)
2	800-0062	1	Screw, Cap – Hex Head (3/8–16 x 4.00)	20	800-0090	1	Screw, Cap – Hex Head (1/2–13 x 1.00)
3	850-0050	1	Washer, Lock (3/8)	21	856-0013	1	Washer, Lock – EIT (1/2)
4	193-0447-01	1	Sender, Water Temperature	22	850-0060	1	Washer, Lock (1/2)
5	503-0189	2	Clamp, Hose	23	102-1335	1	Plug, Oil Drain
6	309-0576	2	Thermostat (222°F) (S2)	24	508-0292	1	Washer, Sealing
7	505-0019	4	Bushing, Reducer (1/2 x 3/8)	25	505-0100	1	Nipple, Pipe (1/2 x 1.12)
8	309-0651-02	1	Thermostat (214°F) (S6)	26	505-0132	2	Elbow, Street – 90° (3/4)
9	505-0021	2	Bushing, Reducer (3/4 x 1/2)	27	503-0848	30"	Hose
10	416-0680	3	Cable, Starter	28	332-2634	6	Clamp, J
11	416-0446	2	Cable, Jumper	29	505-0324	2	Nipple, Half (3/4 x 2.00)
12	416-0639	2	Cable, Battery	30	505-0007	2	Bushing, Reducer (1/4 to 1/8)
13	416-0964	2	Cable, Battery	31	504-0028	1	Cock, Drain
14	193-0448	1	Sender, Oil Pressure (E1)	32	856-0010	1	Washer, Lock – EIT (3/8)
15	309-0641-07	1	Switch, Oil Pressure (S5)	33	503-1163	15"	Hose
16	309-0641-03	1	Switch, Oil Pressure (S1)	34	504-0171	2	Valve, Shutoff
17	307-2167	1	Relay, Solenoid – Start	35	505-0102	3	Nipple, Pipe (3/4 x 1.38)
18	821-0010	2	Screw, Hex Head – Locking (1/4–20 x 1/2)				

# External Engine Parts Sets With PowerCommand Control

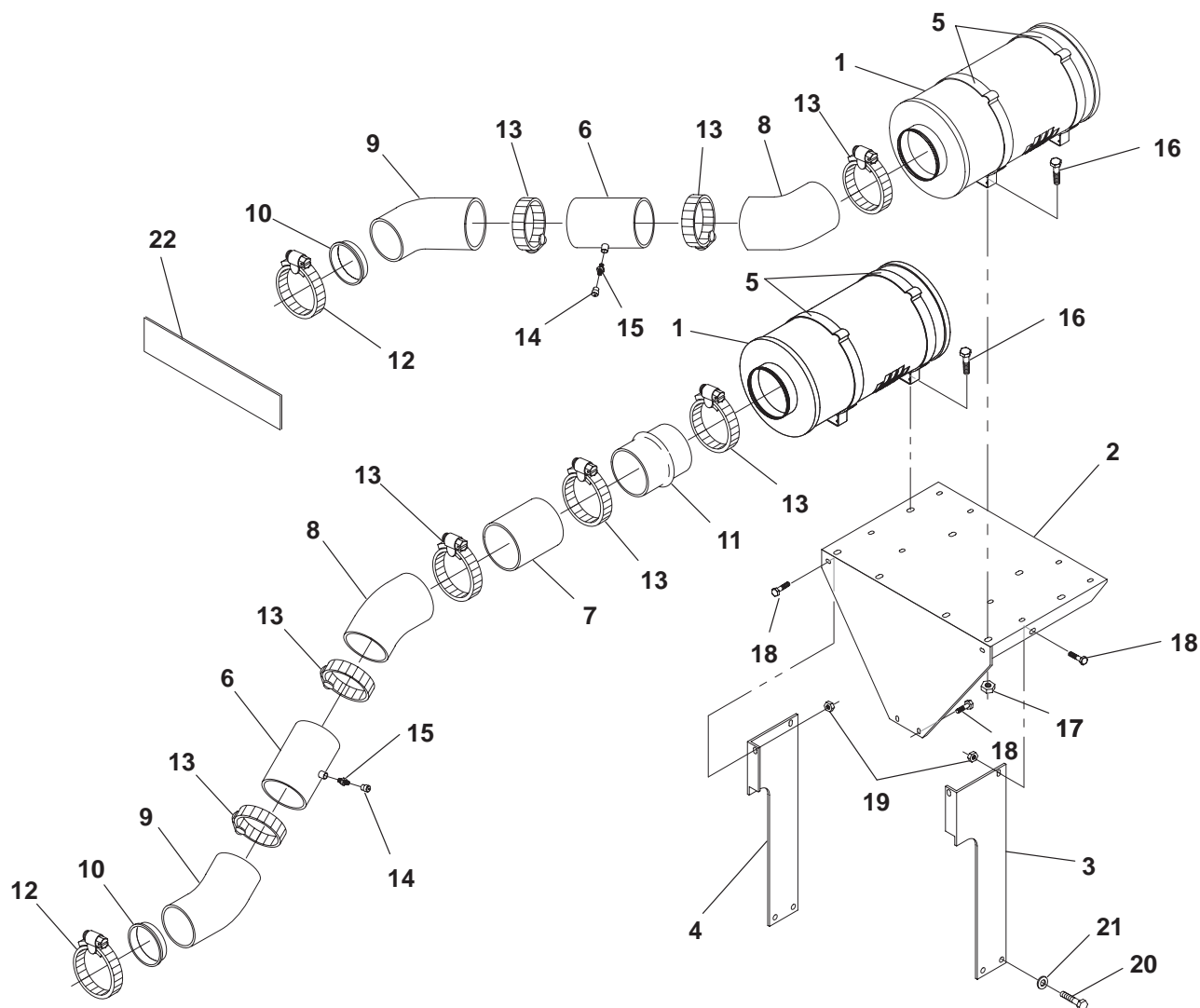


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## External Engine Parts Sets With PowerCommand Control

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	193-0432	3	Sender, Temperature (S2)	19	505-0132	2	Elbow, Street – 90° (3/4)
2	193-0444	1	Sender, Oil Pressure (S1)	20	505-0021	1	Bushing, Reducer (3/4 x 1/2)
3	309-0269	1	Switch, Low Engine Temperature (S4, E4)	21	416-0680	3	Cable, Starter
4	505-0019	4	Bushing, Reducer (1/2 x 3/8)	22	416-0446	2	Cable, Jumper
5	307-2621-02	1	Pilot, Solenoid	23	416-0639	2	Cable, Battery
6	856-0010	2	Washer, Lock – EIT (3/8)	24	416-0964	2	Cable, Battery
7	319-2236	1	Bracket, Solenoid Pilot	25	504-0028	1	Cock, Drain (3/8)
8	402-0610	2	Isolator, Vibration	26	503-1163	15"	Hose
9	812-0067	2	Screw, Machine – Round Head (6-32 x .875)	27	503-0848	30"	Hose
10	870-0212	4	Nut, Lock (1/4-20)	28	800-0052	1	Screw, Cap – Hex Head (3/8-16 x 1.50)
11	151-0411	1	Pickup, Magnetic	29	800-0090	1	Screw, Cap – Hex Head (1/2-13 x 1.00)
12	102-1335	1	Plug, Oil Drain	30	850-0050	1	Washer, Lock (3/8)
13	332-2634	6	Clamp, J	31	850-0060	1	Washer, Lock (1/2)
14	508-0292	1	Washer, Sealing	32	856-0013	1	Washer, Lock – EIT (1/2)
15	505-0100	1	Nipple, Close (1/2 x 1-1/8)	33	503-0189	2	Clamp, Hose
16	504-0171	2	Valve, Shutoff	34	870-0183	2	Nut, Hex W/ET (6-32)
17	505-0324	2	Nipple, Half (3/4 x 2.00)	35	505-0007	1	Bushing, Reducer (1/4 to 1/8)
18	505-0102	3	Nipple, Pipe (3/4 x 1.38)				

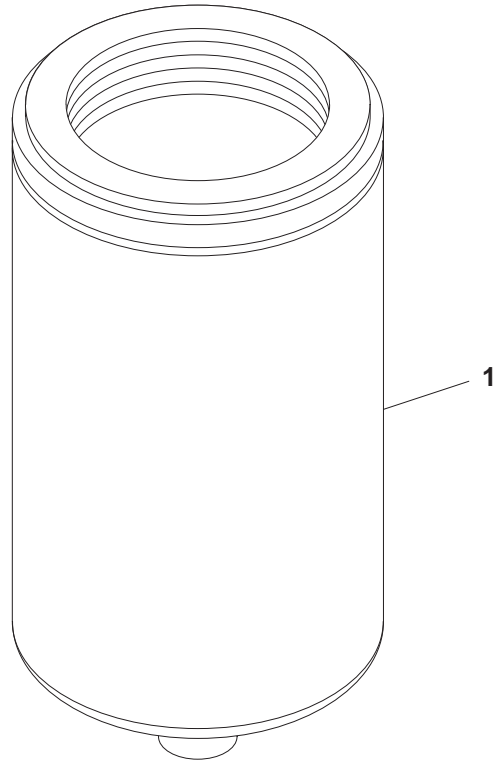
## Air Cleaner



D041

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-3163	2	Cleaner, Air (No Replaceable Element)	13	503-1870-14	8	Clamp, Hose
2	140-2503	1	Bracket, Mounting – Air Cleaner	14	140-1548	2	Indicator, Service
3	140-2504-01	1	Bracket, Mounting (Right Side)	15	140-1260	2	Fitting – Safety Filter
4	140-2504-02	1	Bracket, Mounting (Left Side)	16	821-0029	8	Screw, Self-Locking – Hex Washer Head (3/8-16 x .75)
5	140-2502	4	Band, Mounting	17	870-0281	8	Nut, Hex – Locking (3/8-16)
6	140-2508	2	Tube, Air Inlet	18	821-0033	6	Screw, Self-Locking – Hex Washer Head (7/16-14 x .75)
7	140-2519	1	Tube, Air Inlet	19	870-0437	4	Nut, Hex – Locking (7/16)
8	503-1484	2	Elbow, Hose (45°)	20	800-0152	4	Screw, Cap – Hex Head (3/4-10 x 1.25)
9	503-1717	2	Elbow, Reducer (45°)	21	850-0079	4	Washer, Lock (3/4)
10	503-1720	2	Insert, Reducer (6.0 to 5.5)	22	140-2528	1	Shield – Air In Heat
11	503-1705	1	Hose, Hump				
12	503-1870-12	2	Clamp, Hose				

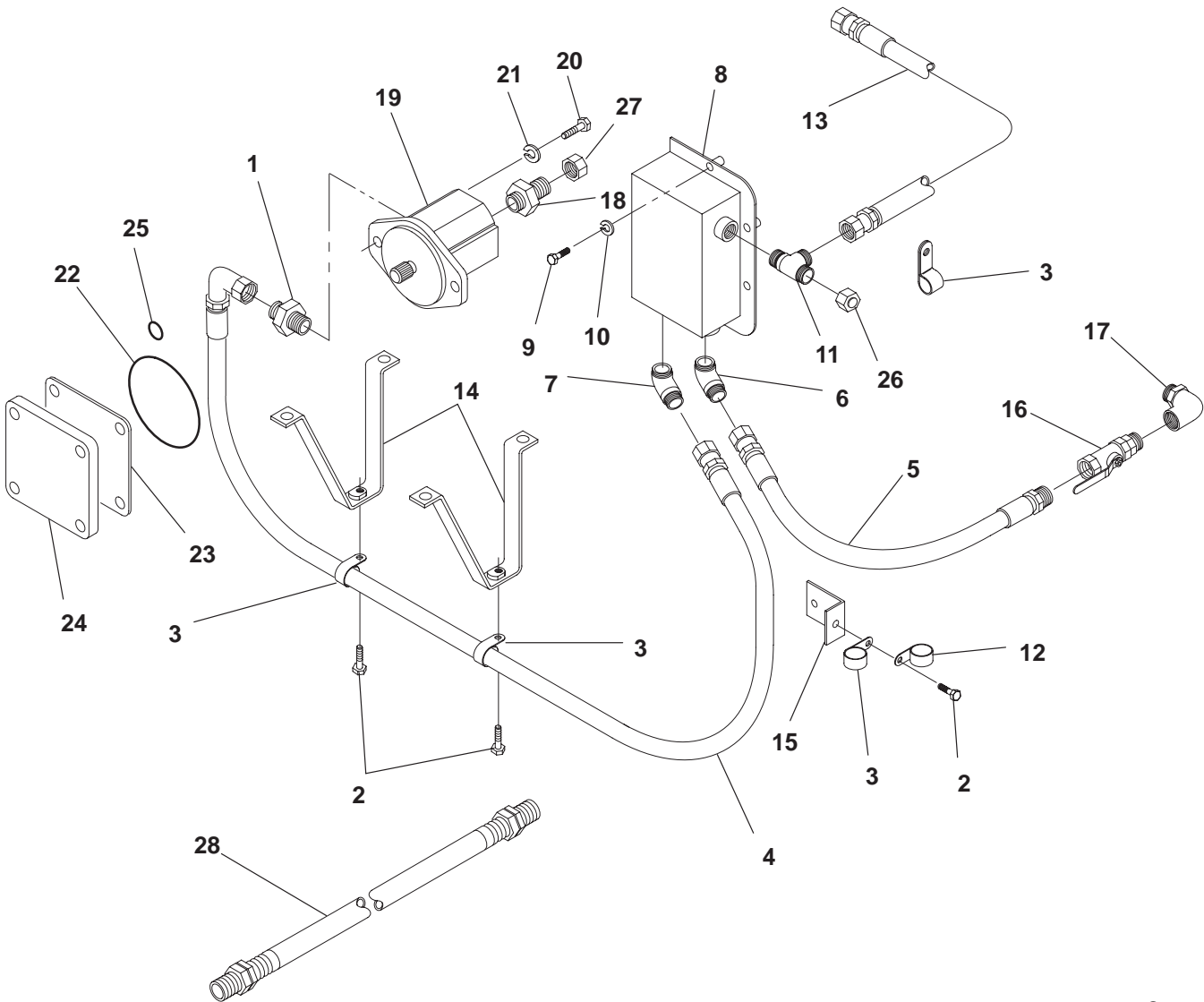
## Fuel/Water Separator



C127

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	149-2278	1	Separator, Fuel/Water				

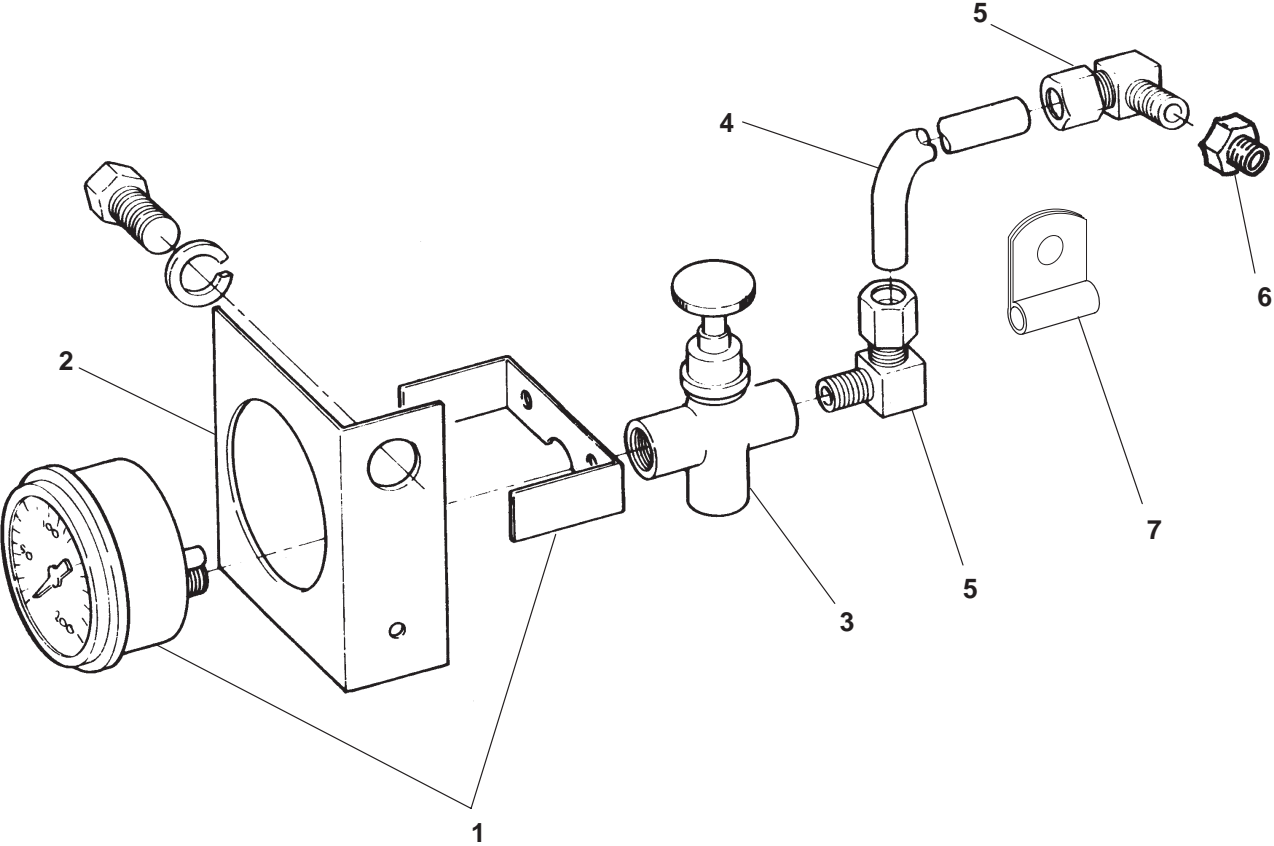
## Fuel Transfer



C174

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	502-1267	1	Connector	18	502-1268	1	Connector
2	821-5004-02	3	Screw, Hex Head (3/8-16 x .75)	19	159-1451	1	Pump, Fuel Transfer
3	518-0548-29	5	Clamp, Hose	20	800-0050	2	Screw, Cap - Hex Head (3/8-16 x 1.00)
4	501-0651	1	Line, Flexible Fuel	21	850-0050	2	Washer, Lock (3/8)
5	501-0653	1	Line, Flexible Fuel	22	509-0336	1	Seal, O-Ring
6	502-1266-02	1	Elbow (45°)	23	121-0117	1	Gasket, Hand Hole
7	502-1266-01	1	Elbow (45°)	24	121-0116	1	Cover, Hydraulic Hole
8	159-1445	1	Reservoir, Fuel	25	509-0337	1	Seal, O-Ring
9	800-0081	2	Screw, Cap - Hex Head (7/16-14 x 3.50)	26	502-1278	1	Cap
10	850-0055	2	Washer, Lock (7/16)	27	502-1262-03	1	Cap, Flare
11	502-1269	1	Tee	28			Line, Flexible Fuel
12	518-0633	1	Clamp, Hose		501-0652	1	Fuel Out
13	501-0654	1	Line, Flexible Fuel		501-0662	1	Fuel In
14	159-1450	2	Bracket, Fuel Reservoir	29	121-0113	1	Gasket, Hydraulic Pump (Not Illustrated)
15	159-1448	1	Bracket, Fuel Reservoir	30	121-0111	1	Drive, Hydraulic Pump (Not Illustrated)
16	502-1270	1	Valve, Shutoff				
17	502-1271	1	Elbow (90°)				

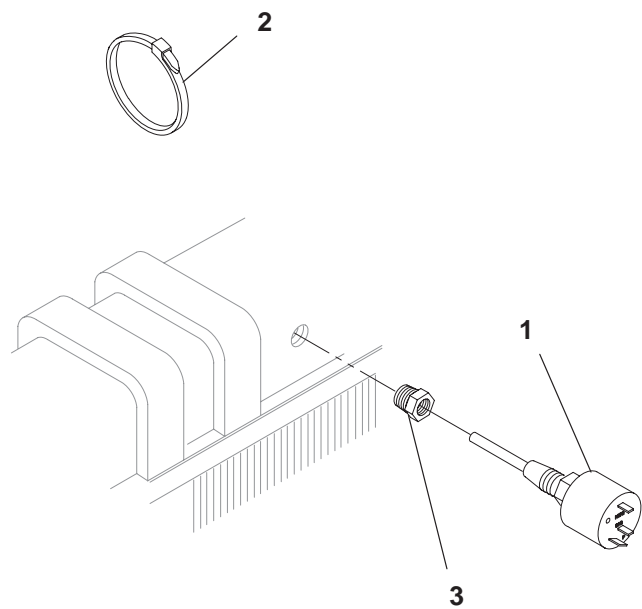
Fuel Pressure Gauge



H095

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	193-0128	1	Gauge, Fuel Pressure	5	502-0034	2	Elbow, Compression – 90° (Includes Nut and Ring)
2	193-0029	1	Bracket, Mounting	6	505-0007	1	Bushing, Reducer (1/4 to 1/8)
3	504-0064	1	Valve	7	518-0350	2	Clamp, Insulated
4	149-2291-02	1	Tube, Copper				

Low Coolant Level Sender

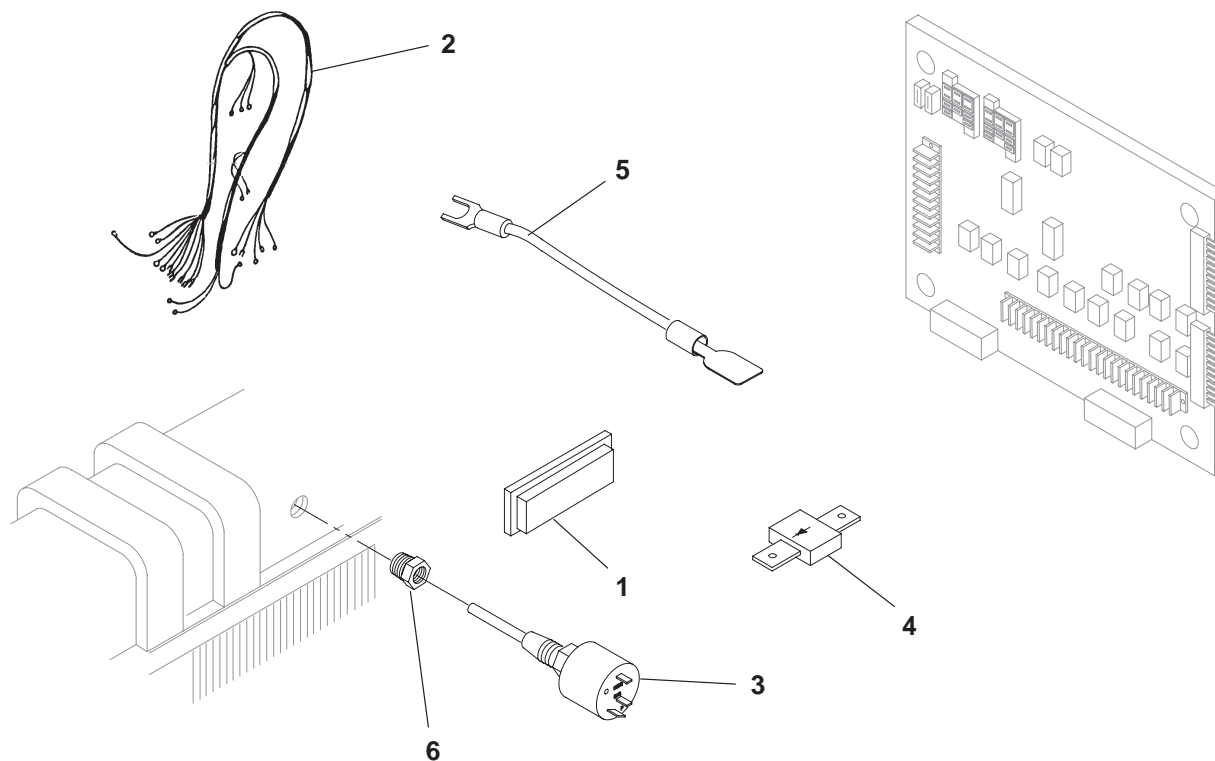


H389,H572

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	193-0467	1	Sender, Low Coolant	3	505-0017	1	Bushing, Reducer
2	332-3008	A/R	Tie, Cable				



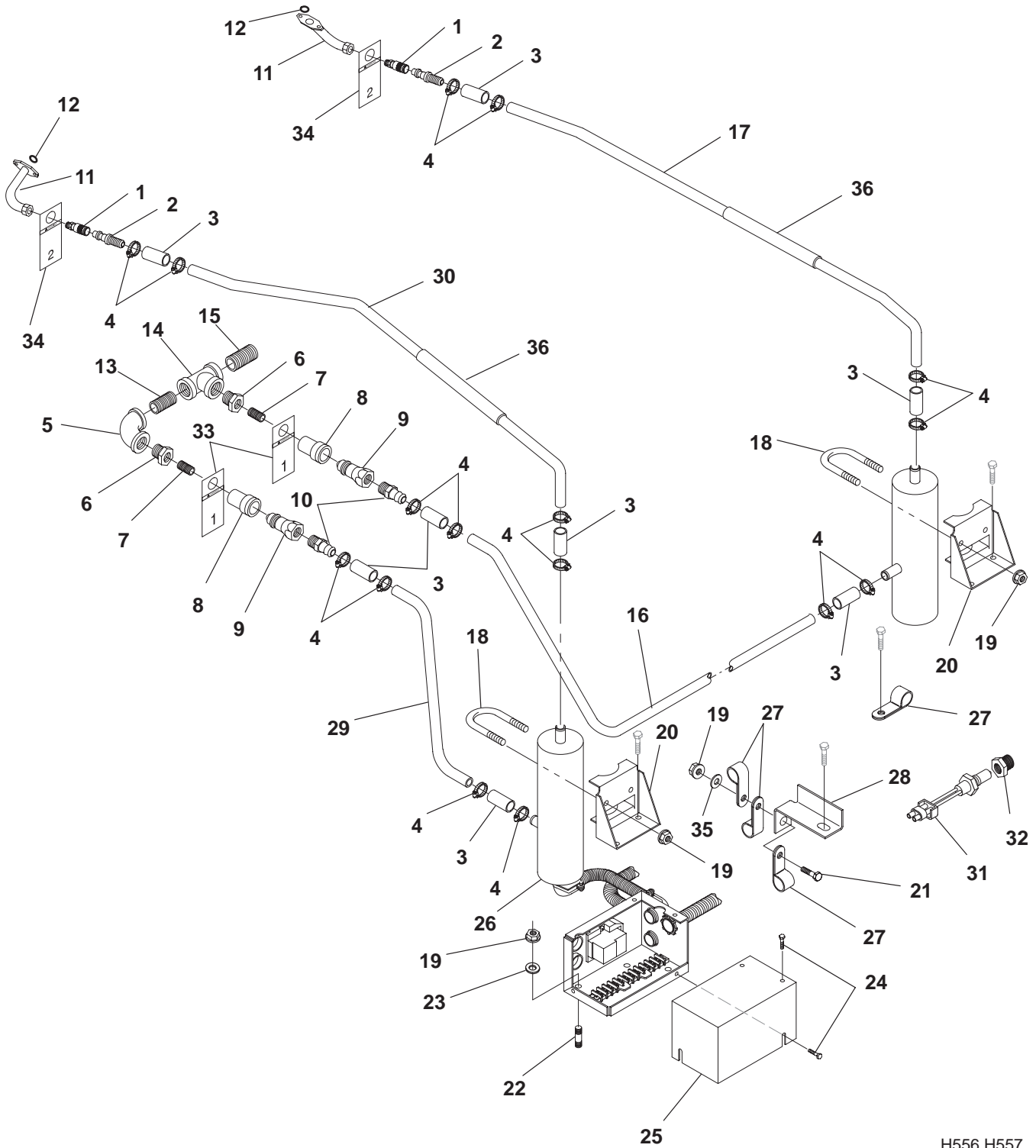
# **Low Coolant Level Sender With Continuously Monitored Low Coolant Level 12 Light Indicator Controls**



H389,H546

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	322-0431-07	1	Lens, Indicator Light (Marked "Coolant Lo")	4	357-0030	1	Diode (6 Amp)
2	338-3035-02	1	Harness, Wiring (3 Wire) (300") (S7 to A11)	5	226-4661-02	2	Lead (4") (No Markings) (A11TB2-1 to Diode and A11TB2-16 to Diode)
3	193-0467	1	Sender, Low Coolant Level (S7)	6	505-0017	1	Bushing, Reducer

# Water Heater

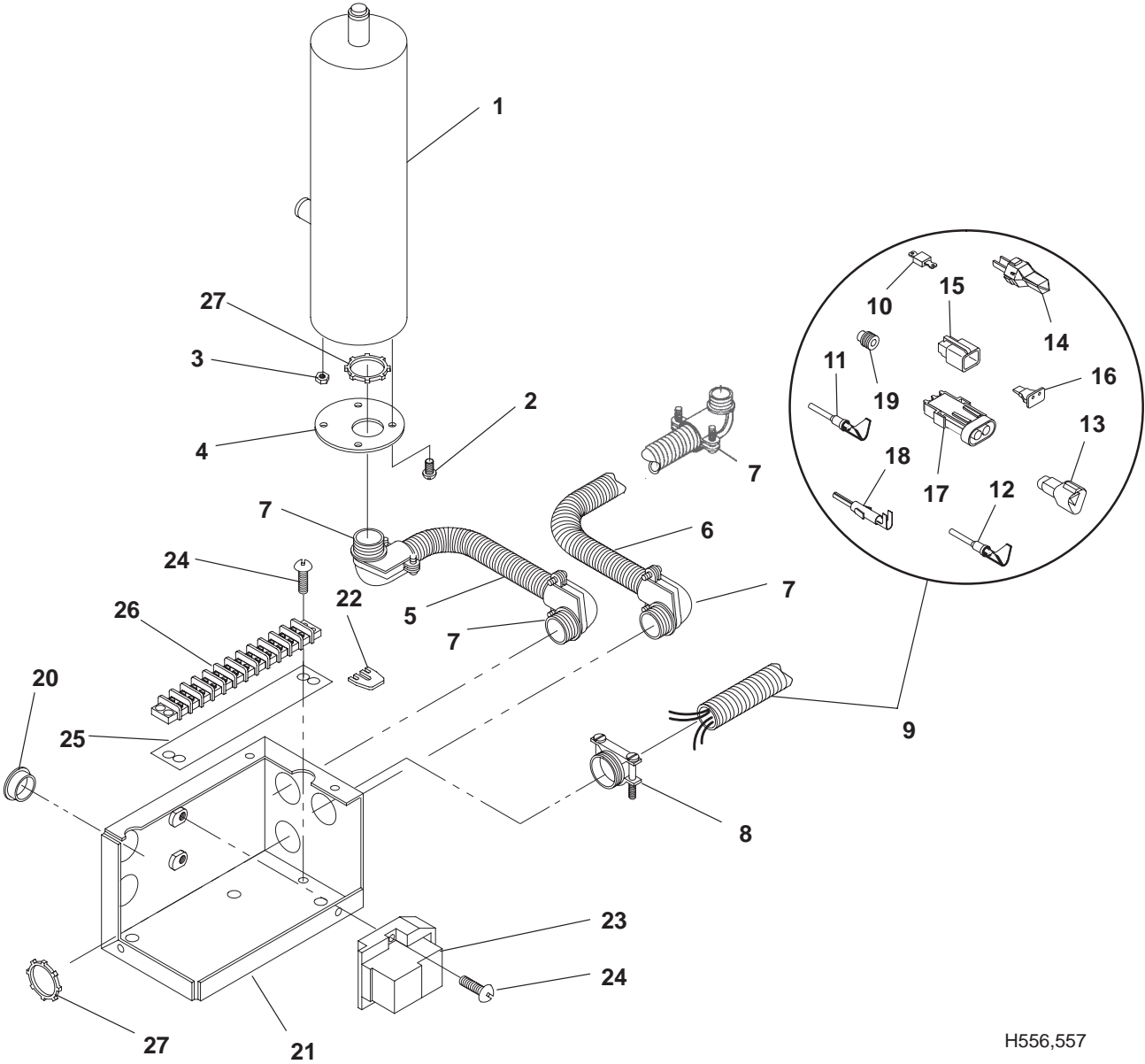


H556,H557

## Water Heater

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	502-1259	2	Coupler, Water Heater (1/2" OD)	22	520-0544	2	Stud, Generator Mounting (3/8-16)
2	502-1257	2	Connector, Hose Barb – Water Heater (3/4" OD)	23	526-0128	2	Washer, Flat (7/16")
3	503-1634-01	8	Hose, Rubber (3/4" ID x 4")	24	821-5002-03	4	Screw, Self-Locking – Hex Washer Head (1/4-20 x 1/2")
4	503-1136	16	Clamp, Hose				
5	505-0041	1	Elbow, 90° (1.00")	25	319-2815	1	Cover, Terminal Box
6	505-0022	2	Bushing, Reducer (1" to 1/2")	26	—	1	Control, Water Heater (See Separate Page for Components)
7	505-0100	2	Nipple, Pipe (1/2" x 1-1/8")				
8	502-1260	2	Coupler, Water Heater				
9	502-1261	2	Nipple, Water Heater	27	332-2634	4	Clamp, J
10	502-0827	2	Barb, Hose (3/4" OD)	28	130-4538	1	Bracket, Water Heater
11	130-4519	2	Tube, Water Heater	29	130-4540	1	Tube, Water Heater
12	509-0283-01	2	Seal, Rectangular Ring	30	130-4544	1	Tube, Water Heater
13	505-0004	1	Nipple, Pipe (1" x 1-1/2")	31	309-0649	1	Thermostat
14	505-1430	1	Tee, Reducing (1-1/4" x 1" x 1")	32	505-0019	1	Bushing, Reducer (1/2" to 3/8")
15	505-0177	1	Nipple, Pipe (1-1/4" x 1-5/8")	33	098-7182-01	2	Tag, Label
16	130-4539	1	Tube, Water Heater	34	098-7182-02	2	Tag, Label
17	130-4542	1	Tube, Water Heater	35	526-0029	1	Washer, Flat (3/8")
18	155-3021	2	Clamp, Water Heater	36	128-0108	—	Insulation, Water Tube (7/8" ID) – Bulk (Order by the Foot – 9 Feet Required)
19	870-0550-09	7	Nut, Hex Flange (3/8-16)				
20	130-4546	2	Bracket, Water Heater				
21	821-5004-03	1	Screw, Self-Locking – Hex Washer Head (3/8-16 x 1")				

Water Heater Control



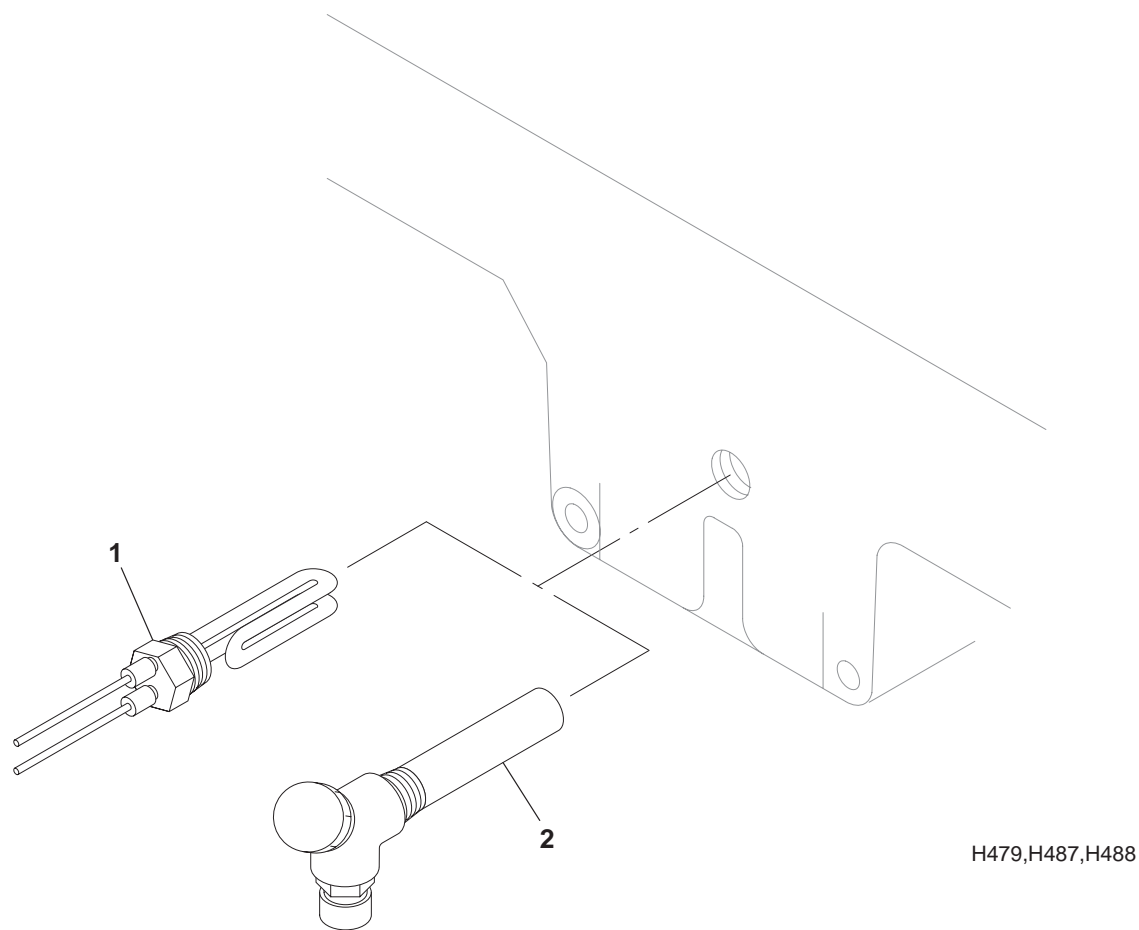
H556,557

## Water Heater Control

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Heater, Water	12	323-1492	A/R	* Socket, Contact
	333-0569-01	2	4300W	13	323-1494	A/R	* Connector, Receptacle (3 Pin)
	333-0569-02	2	5600W				
2	815-0539	6	Screw, Machine – Round Head, Cross Recessed W/IT (#8-32 x 5/8")	14	323-1502	1	* Wedge, Receptacle (3 Pin)
				15	323-1504	2	* Connector, Plug (2 Socket)
3	870-0131	6	Nut, W/ET (#10-32)	16	323-1500	2	* Wedge, Plug (2 Socket)
4	130-4552	2	Cover, Water Heater	17	323-1652	1	* Plug (2 Pin)
5	338-3335-01	1	Harness, Water Heater – 18" (TB1-1,2,3, K11-8 to HTR-GND, HTR-2,3,4) (Includes Two 90° Conduit Connector – Ref No. 7)	18	323-1718	A/R	* Pin, Contact
				19	323-1445	2	* Seal, Cable
6	338-3335-02	1	Harness, Water Heater – 42" (K11-7, TB1-10,11,12 to HTR-4,3,2, HTR-GND) (Includes Two 90° Conduit Connector – Ref No. 7)	20	517-0138-02	2	Plug, Hole (1" OD)
				21	319-2814	1	Box, Terminal – Water Heater
				22	332-3440	2	Jumper, Terminal
				23	307-2859	1	Relay, Power – 24V, 50/60Hz (25 AMP @ 240 VAC, 20 AMP @ 277 VAC)
				24	815-0447	4	Screw, Machine – Round Head, Cross Recessed W/IT (#8-32 x 3/4")
7	331-0554	4	Conduit Connector – 90° (3/4")	25	332-1469	1	Strip, Marker
8	331-0042	1	Connector, Romex (3/4")	26	332-1468	1	Block, Terminal – 12 Place (TB1)
9	338-3330	1	Harness, Engine Heater (Includes Parts Marked *)	27	331-0555	4	Nut, Connector Lock (3/4-14)
10	357-0030	1	* Rectifier, Silicon (6 Amp)				
11	323-1491	A/R	* Pin, Contact				

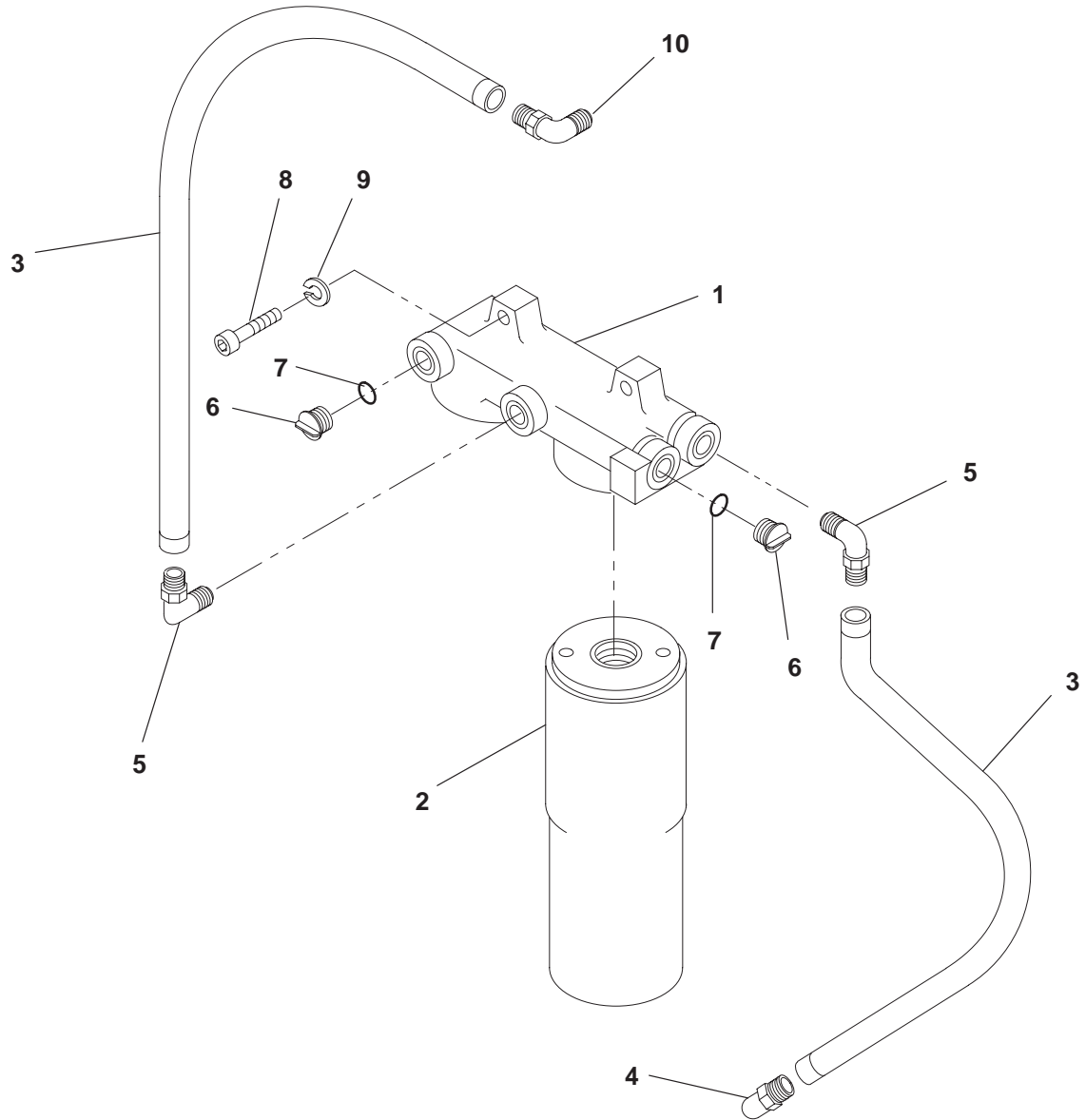
\* Parts Included in 338-3330 Engine Heater Harness

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	333-0407-05	1	Heater, Oil (300 Watt, 480 Volt)
	333-0407-02	1	120 Volt				
	333-0407-04	1	240 Volt				

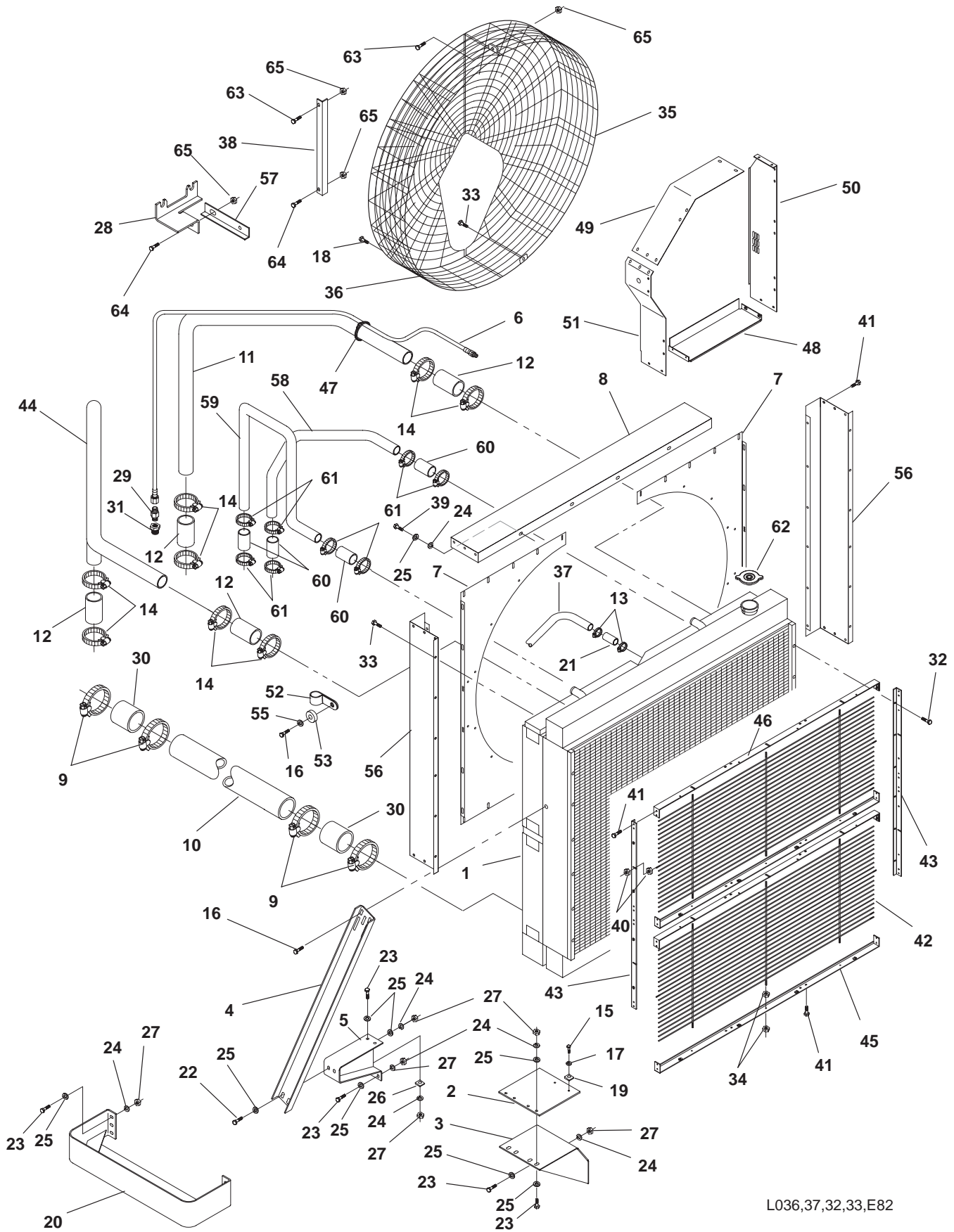
## Bypass Filter



H393

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	122-0776	1	Head, Oil Filter	7	509-0272-01	2	Seal, O-Ring
2	122-0777	2	Element, Oil Filter	8	800-0075	2	Screw, Cap – Hex Head (7/16-14 x 2.00)
3	501-0537-49	2	Hose	9	850-0055	2	Washer, Lock (7/16)
4	502-1043-12	1	Elbow, Adapter	10	502-1072-30	1	Elbow, Union
5	502-1072-14	2	Elbow, Union				
6	505-1428	2	Plug, O-Ring				

# Radiator



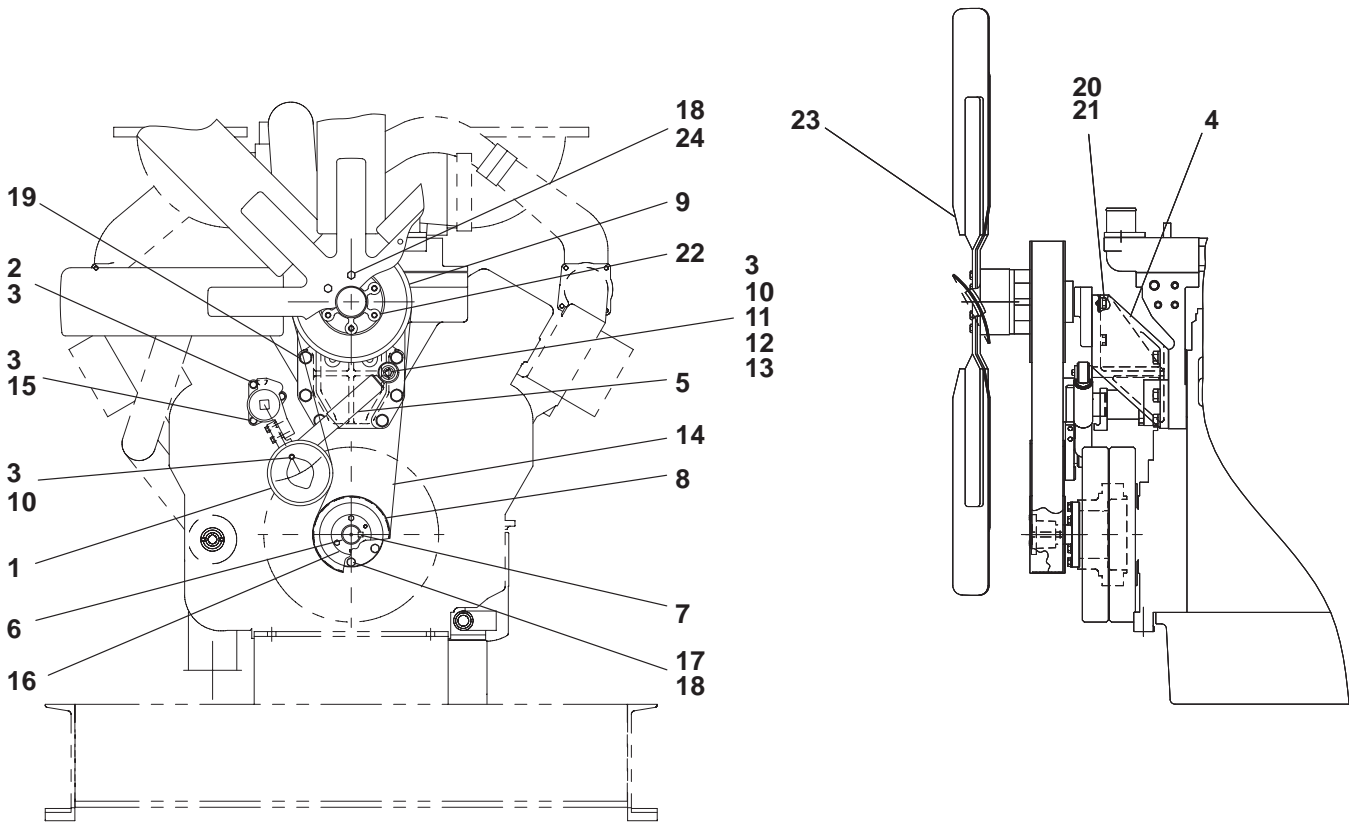
L036,37,32,33,E82



## Radiator

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-4915	1	Radiator	34	870-0550-09	41	Nut, Hex – Flange (3/8–16)
2	130-4868	1	Spacer, Radiator	35	130-4867-02	1	Guard, Fan (Right Side)
3	130-4862	2	Bracket, Radiator Support	36	130-4867-01	1	Guard, Fan (Left Side)
4	130-4860	2	Support, Radiator	37	130-4853	1	Tube, Radiator (1.50 Dia.)
5	130-4191	2	Support, Radiator	38	130-4219	1	Angle, Stiffener
6	501-0614-01	1	Line, Flexible (62.00 Lg)	39	800-0090	8	Screw, Cap – Hex Head (1/2–13 x 1.00)
7	130-4188	2	Shroud, Fan	40	870-0550-05	8	Nut, Hex – Flange (1/4–20)
8	130-4865	1	Shroud, Fan	41	821-5003-01	80	Screw, Hex Head (5/16–18 x .50)
9	503-1872-09	4	Clamp, Hose	42	130-4292	2	Grille
10	130-4859	1	Tube, Radiator Outlet (5.00 Dia.)	43	130-3826	2	Support, Grille (Side)
11	130-4850	1	Tube, Radiator Inlet (Right Side) (3.00 Dia.)	44	130-4849	1	Tube, Radiator Inlet (Left Side) (3.00 Dia.)
12	503-1728	4	Hose, Radiator (3.00 Dia.)	45	130-4291	2	Support, Grille (Bottom)
13	503-1872-02	4	Clamp, Hose	46	130-4290	2	Support, Grille (Top)
14	503-1872-05	8	Clamp, Hose	47	332-3008	3	Tie, Cable
15	800-0051	6	Screw, Cap – Hex Head (3/8–16 x 1.25)	48	130-4294	1	Guard, Belt (Bottom)
16	821-5004-03	5	Screw, Hex Head (3/8–16 x 1.00)	49	130-4296	1	Guard, Belt (Top)
17	850-0050	4	Washer, Lock (3/8")	50	130-4295	1	Guard, Belt (Right Side)
18	821-5002-03	21	Screw, Hex Head (1/4–20 x .50)	51	130-4293	1	Guard, Belt (Left Side)
19	403-2733-02	4	Washer, Bevel (3/8")	52	518-0633	2	Clip, J
20	130-4301	2	Bumper	53	130-3660	2	Spacer
21	503-1863	2	Hose, Radiator (4.00 Dia.)	54	821-0035	1	Screw – Self-Locking – Hex Washer Head (3/8–16 x 1.25)
22	800-0092	32	Screw, Cap – Hex Head (1/2–13 x 1.50)	55	526-0029	2	Washer, Flat (3/8")
23	800-0094	12	Screw, Cap – Hex Head (1/2–13 x 2.00)	56	130-4866	2	Shroud, Fan (Side)
24	850-0060	46	Washer, Lock (1/2")	57	130-4858	1	Angle, Stiffener
25	526-0219	50	Washer, Flat (1/2")	58	130-4852	1	Tube (Right Side)
26	403-2733-01	4	Washer, Bevel (1/2")	59	130-4851	1	Tube (Left Side)
27	862-0016	38	Nut, Hex (1/2–13)	60	503-1379-01	4	Hose, Radiator
28	130-5013	2	Angle, Engine	61	503-1872-04	8	Clamp, Hose
29	309-0635-02	1	Valve, Check	62	130-2981	1	Cap, Radiator
30	503-1726	2	Hose, Radiator (5.00 Dia.)	63	821-0030	3	Screw, Hex – Whizlock (3/8–16 x 1)
31	505-0017	1	Bushing, Reducer (3/8 x 1/4)	64	821-0035	2	Screw, Hex – Whizlock (3/8–16 x 1.25)
32	815-0384	12	Screw, Hex Washer Head – Thread Forming	65	870-0281	5	Nut, Hex – Whizlock (3/8–16)
33	821-5004-02	24	Screw, Hex Head (3/8–16 x .75)				

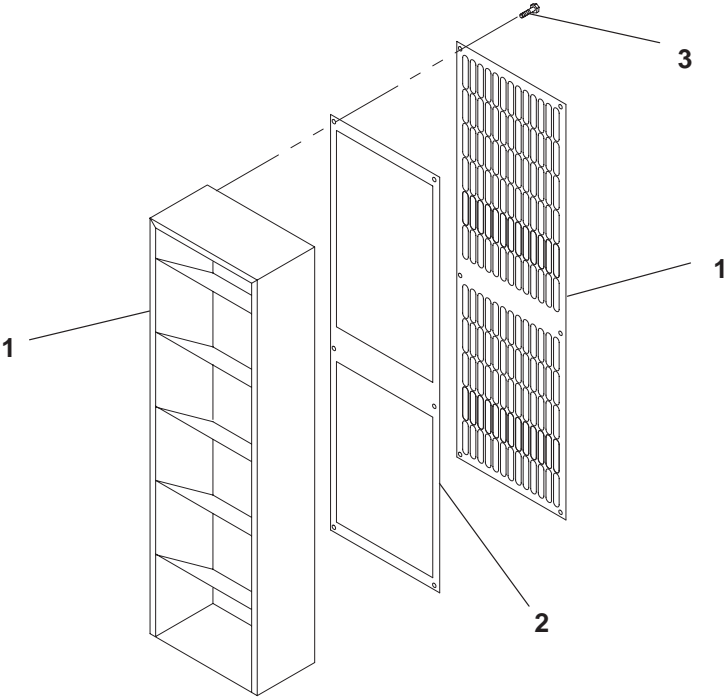
## Fan Drive



E082

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-3668	1	Idler, Fan	13	862-0034	1	Nut, Hex (7/16)
2	800-0500	2	Screw, Cap – Hex Head (7/16–14 x 5.50) Grade 8	14	511-0161-10	1	Belt, V – Ribbed
3	800-0055	5	Washer, Lock (7/16)	15	800-0580	1	Screw, Cap – Hex Head (7/16–14 x 1.62) Grade 8
4	130-4289	1	Support, Fan	16	130-3653	1	Bushing (2.00 ID)
5	402-0612	1	Absorber, Shock	17	800-0092	6	Screw, Cap – Hex Head (1/2–13 x 1.50)
6	130-3757	1	Shaft, Fan Drive	18	526-0219	12	Washer, Flat (1/2)
7	515-0220	1	Key (1/2 x 1/2 x 3.00)	19	800-0163	6	Screw, Cap – Hex Head (3/4–10 x 4.00)
8	130-4761	1	Pulley, Fan Drive 0.61:1 Drive Ratio (7.63 Dia.)	20	800-0135	4	Screw, Cap – Hex Head (5/8–11 x 2.25)
	130-4287	1	Pulley, Fan Drive 0.72:1 Drive Ratio (9.00 Dia.)	21	850-0070	4	Washer, Lock (5/8)
9	130-4154	1	Pulley, Fan Drive (12.5 Dia.)	22	130-4153	1	Spacer, Fan
10	800-0078	2	Screw, Cap – Hex Head (7/16 x 2.75)	23	130-4880	1	Fan, Engine
11	130-3660	1	Spacer, Shock	24	800-0106	6	Screw, Cap – Hex Head (1/2–13 x 5.50)
12	526-0141	2	Washer, Flat (7/16)				

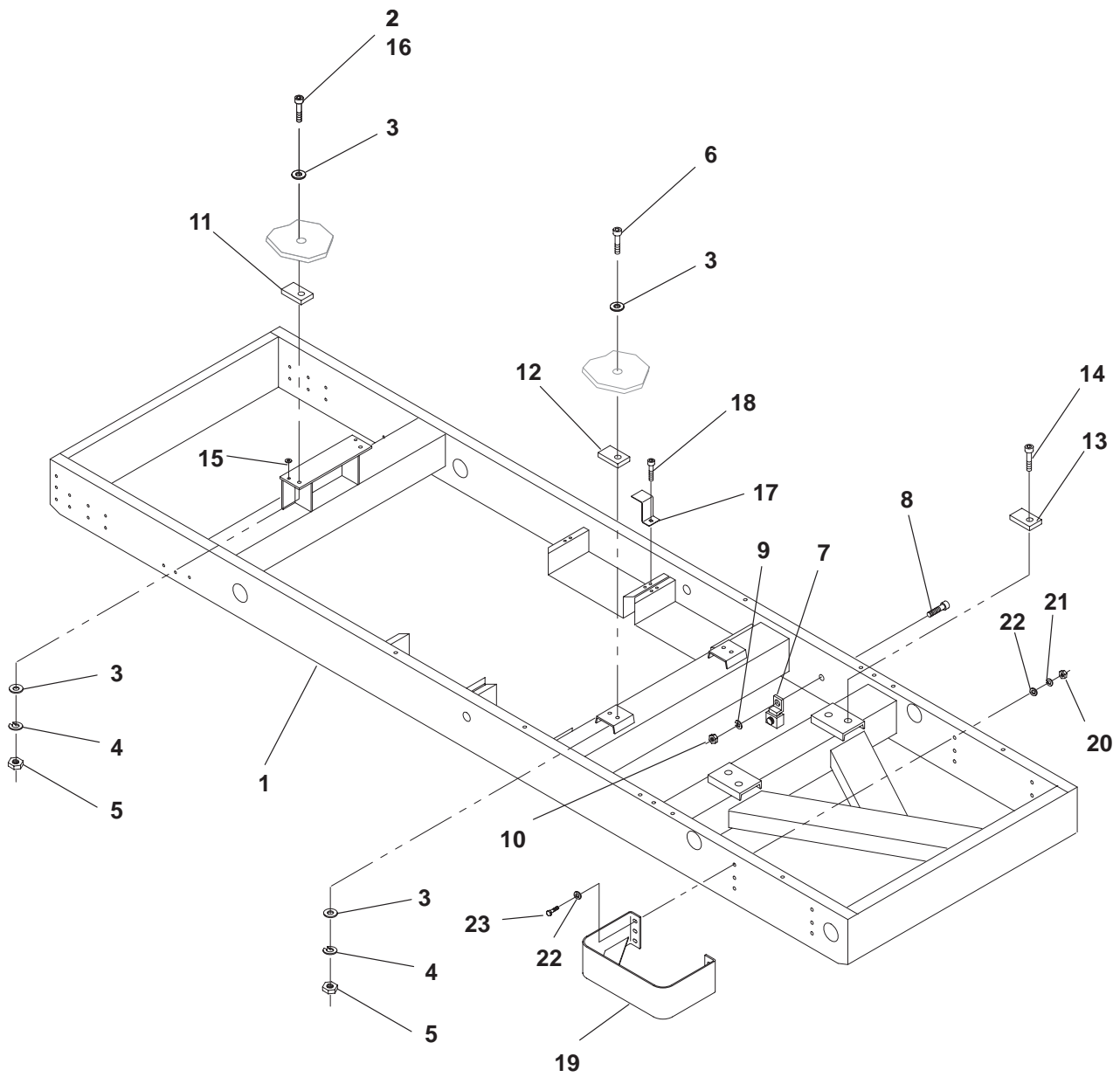
Louvre



J047

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	234-0900-02	2	Louvre	3	821-2023	12	Screw, Self-Locking (M5 x .8 x 20)
2	234-0901-02	2	Gasket				

# Skid

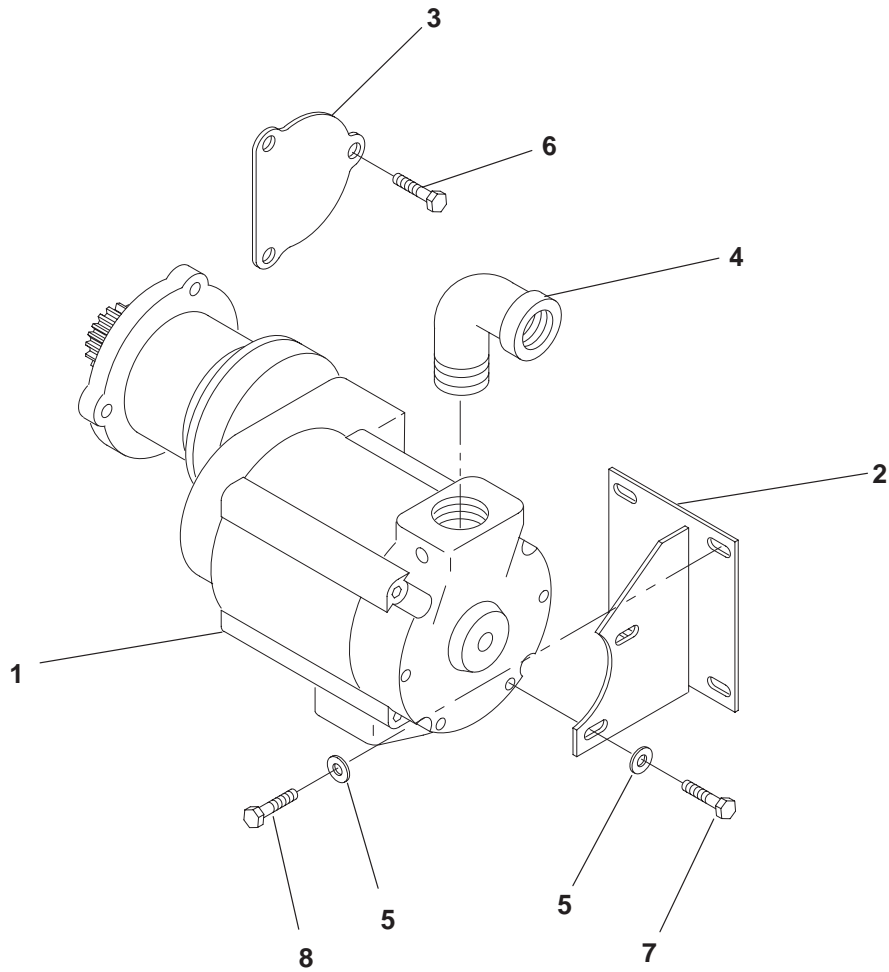


CP01,L033,L037

## Skid

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	403-3141	1	Skid	15	526-0174	8	* Washer, Flat (3/8)
2	800-0163	2	Screw, Cap – Hex Head (3/4-10 x 4)	16	800-0164	2	* Screw, Cap – Hex Head (3/4-10 x 4-1/2)
3	526-0027	12	Washer, Flat (3/4)	17	416-0850	8	Bracket, Battery
4	850-0079	14	Washer, Lock (3/4)	18	800-0048	8	Screw, Cap – Hex Head (3/8-16 x .75)
5	862-0008	6	Nut, Hex (3/4-10)	19	130-4389	2	Bumper
6	800-0158	12	Screw, Cap – Hex Head (3/4-10 x 2-3/4)	20	862-0016	12	Nut, Hex (1/2-13)
7	332-2001	1	Lug, Solderless	21	850-0060	12	Washer, Lock (1/2)
8	821-5004-03	8	Screw, Cap – Hex Head (3/8-16 x 1.00)	22	526-0219	24	Washer, Flat (1/2)
9	856-0010	1	Washer, Lock – EIT (3/8)	23	800-0093	12	Screw, Cap – Hex Head (1/2-13)
10	870-0281	1	Nut, Hex – Locking (3/8-16)	* – Parts Used on Prime Power Remote Radiator Generator Sets			
11	403-3204	2	* Spacer – Engine (Front)				
12	403-3205	2	* Spacer – Engine (Rear)				
13	403-3206	2	* Spacer – Generator				
14	800-0316	2	* Screw, Cap – Hex Head (1-1/4-7 x 4.50)				

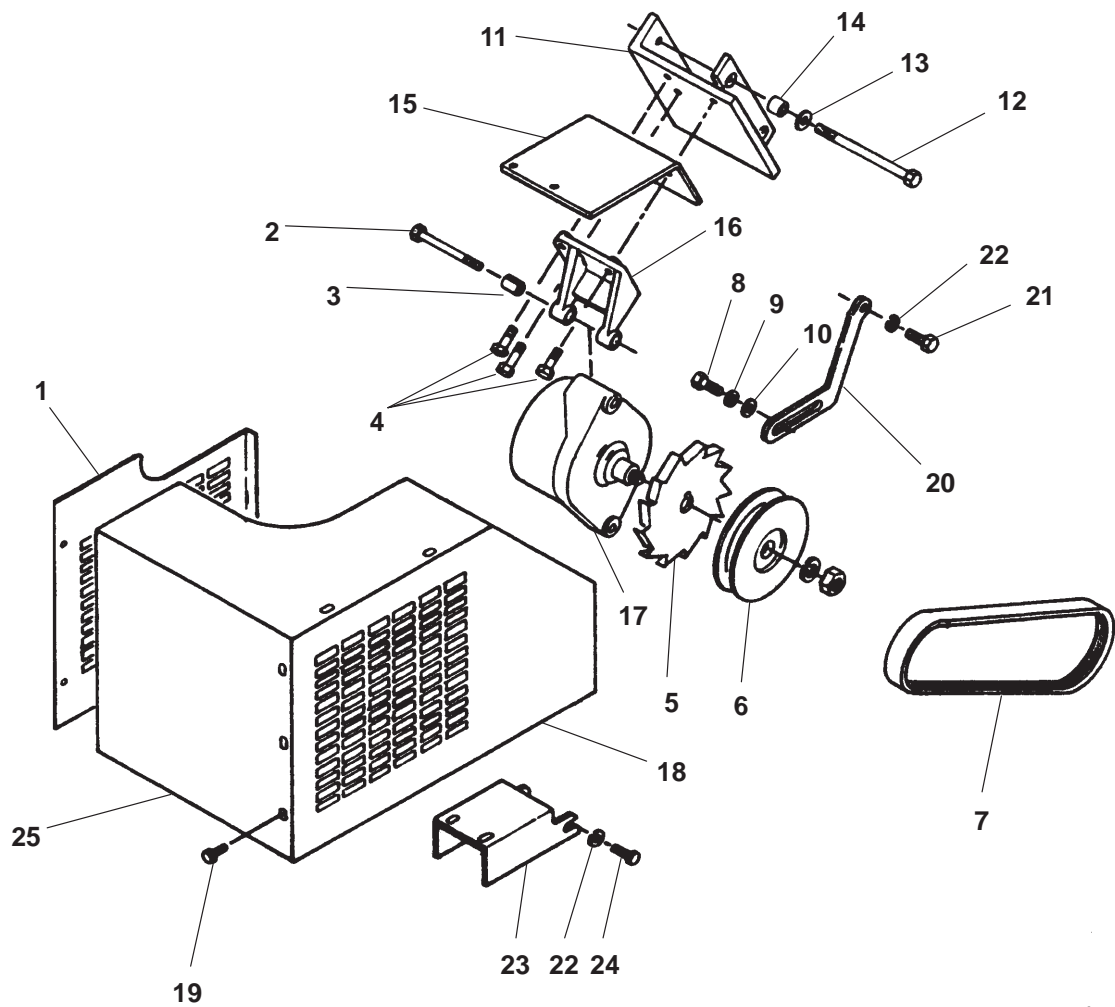
## Air Starter



A300

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	127-0390-01	1	Starter, Air	6	800-0130	3	Screw, Cap – Hex Head (5/8-11 x 1.00)
2	127-0395	1	Brace, Starter Motor	7	800-2526	2	Screw, Cap – Hex Head (M10 x 20)
3	127-0422	1	Cover, Flange – Starter	8	815-0724	4	Screw, Cap – Hex Head (3/8-16 x 1.25)
4	502-1054-08	1	Elbow, Street Pipe – 90°				
5	526-0030	6	Washer, Flat (13/32)				

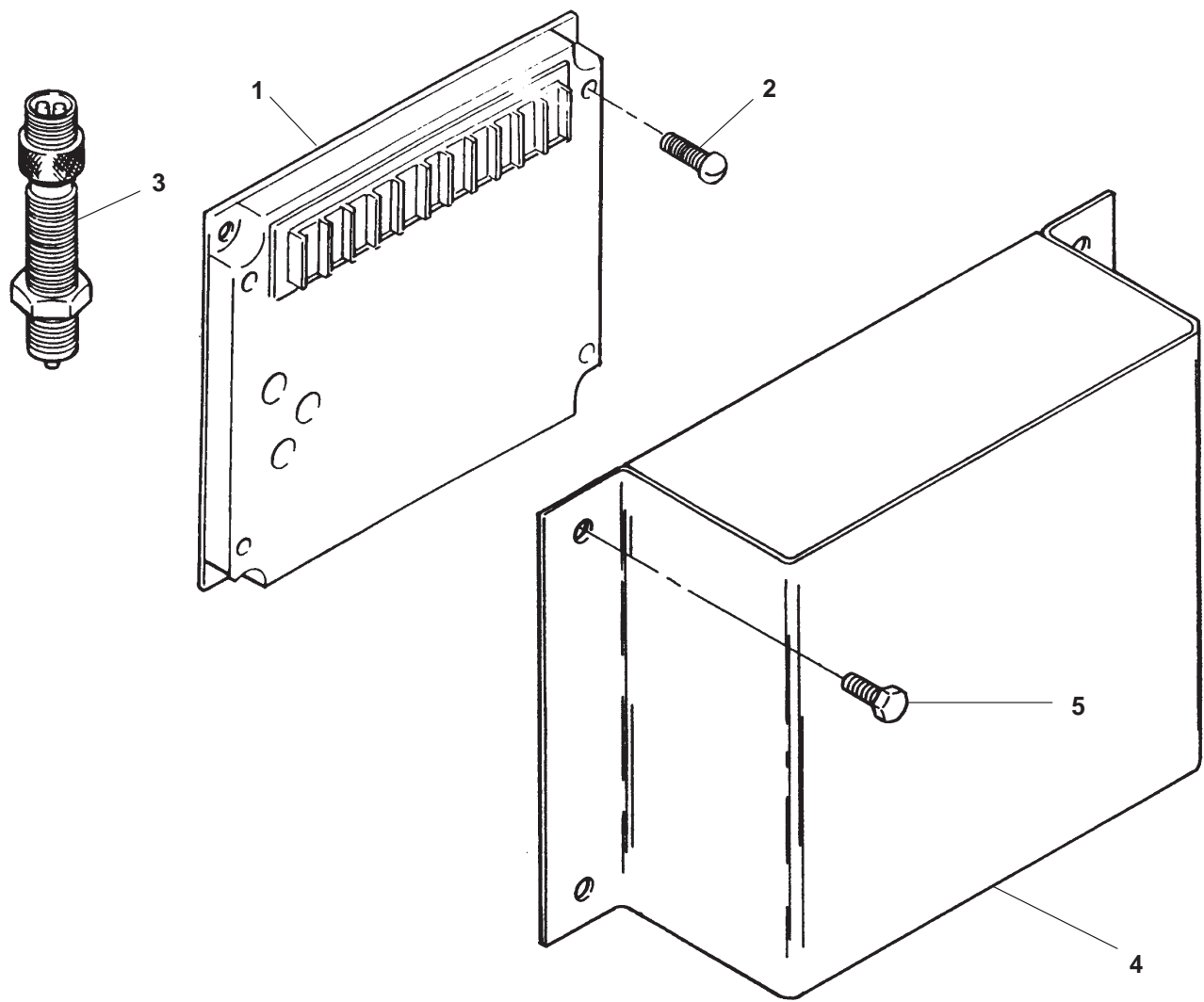
## Alternator



A333

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-3870	1	Guard, Belt	13	526-0098	2	Washer, Flat (7/16)
2	718-1067	1	Screw, Cap – Hex Head (M10 x 1.5 x 90)	14	191-2023	2	Sleeve
3	191-1989-07	1	Spacer, Mounting	15	191-2017	1	Bracket, Alternator
4	821-0022	3	Screw, Self-Locking – Hex Washer Head (5/16-20 x 1.25)	16	191-1990	1	Support, Alternator
5	191-1981	1	Fan, Alternator	17	191-1983-02	1	Alternator (45 Amp)
6	191-1984	1	Pulley, Alternator	18	130-3868	1	Guard, Belt
7	511-0119	1	Belt, Vee	19	821-5002-04	21	Screw, Hex Head (1/4-20 x .620)
8	800-2059	1	Screw, Cap – Hex Head (M8 x 1.25 x 30)	20	191-2110	1	Bracket, Alternator
9	850-2008	1	Washer, Lock (M8)	21	800-0071	1	Screw, Cap – Hex Head (7/16-14 x 1.00)
10	526-0030	1	Washer, Flat (3/8)	22	850-0055	2	Washer, Lock (7/16)
11	191-2021-01	1	Bracket, Alternator	23	130-3871-02	1	Bracket, Belt Guard
12	800-0500	2	Screw, Cap – Hex Head (7/16-14 x 5.50)	24	800-0069	1	Screw, Cap – Hex Head (7/16-14 x .75)
				25	130-3869	1	Guard, Belt

Electronic Governor

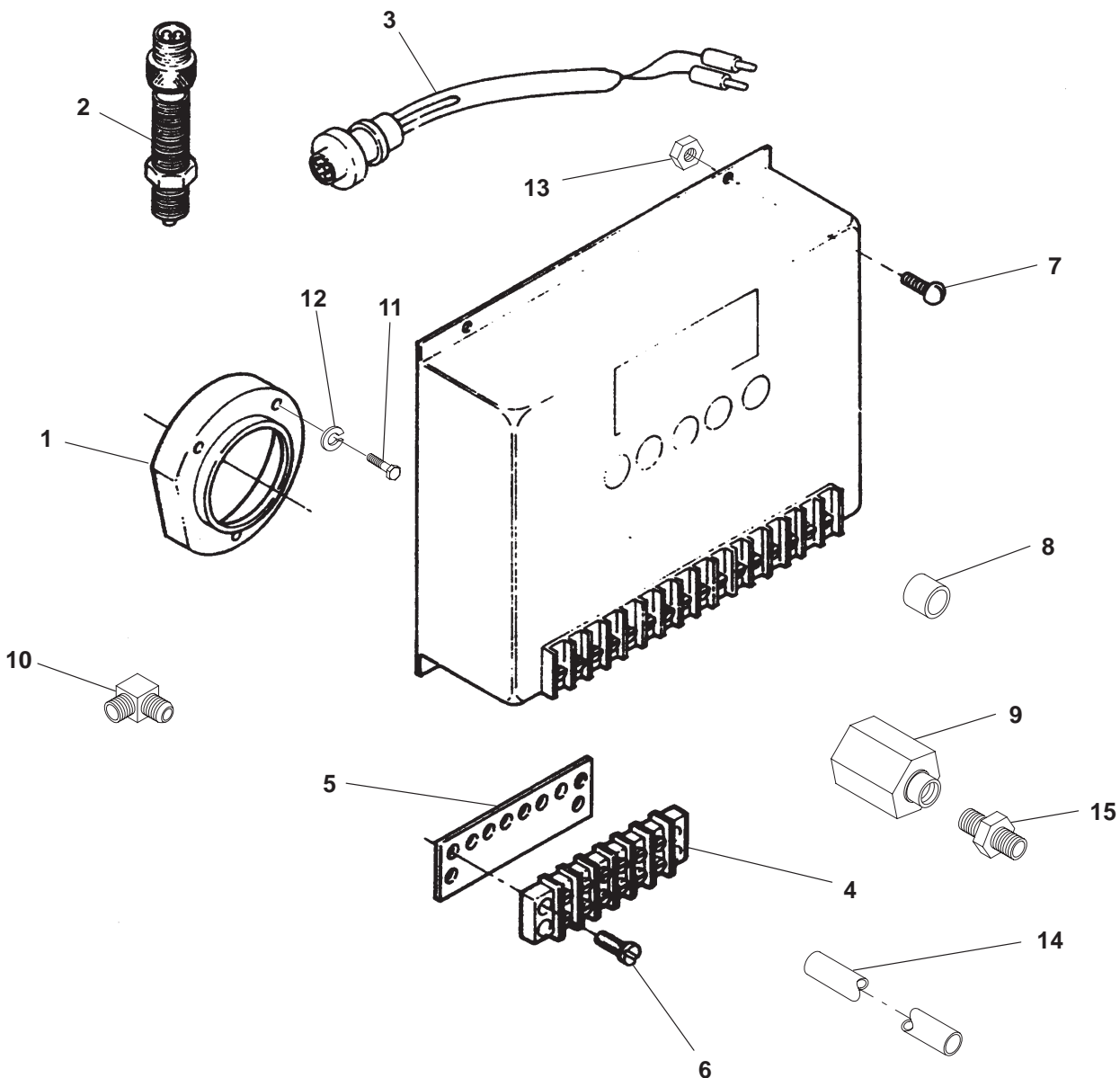


A332

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	151-0637-01		Control, Governor	3	151-0411	1	Pickup, Magnetic
2	821-6001-03		Screw, Machine – Round Head (M5 x .8 x 16)	4	150-2213	1	Cover, Governor Control
				5	821-6002-03	4	Screw, Hex Head (M6 x 20)



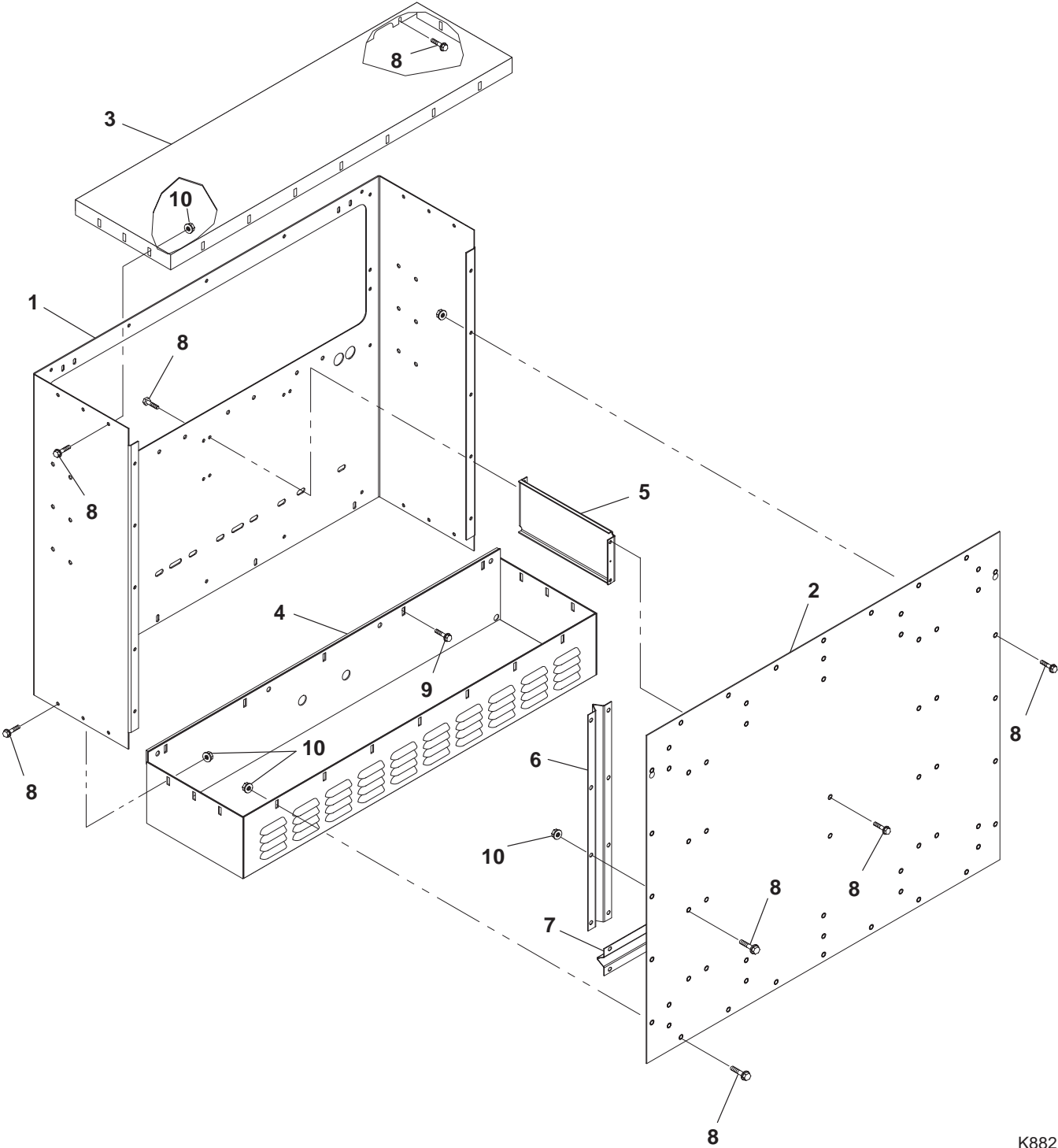
# Woodward Governor



A131,211,267

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	149-2287	1	Plug – Fuel Pump Mod.	8	151-0663-02	1	Spacer (21/64" ID x 1/4")
2	151-0411	1	Pickup, Magnetic	9	502-1307	1	Adapter, Pipe – Female
3	338-2538	1	Harness, Wiring – Adapter – Woodward Governor to Engine Harness (12")	10	502-1308	1	Adapter, Elbow – Male
4	332-0699	2	Block, Terminal (6 Place)	11	800-0072	4	Screw, Hex Head (7/16-14 x 1.25)
5	332-0970	2	Strip, Marker	12	850-0055	4	Washer, Lock – Spring (7/16)
6	822-1050	4	Screw, Machine – Round Head (8-32 x .75)	13	864-0017	1	Nut, Hex – Jam Right Hand
7	813-0103	4	Screw, Machine – Round Head (10-32 x .75)		864-0020-01	1	Left Hand
				14	501-0537-46	1	Hose, Fuel Pump
				15	502-1045-04	1	Connector – Male

Entrance Box

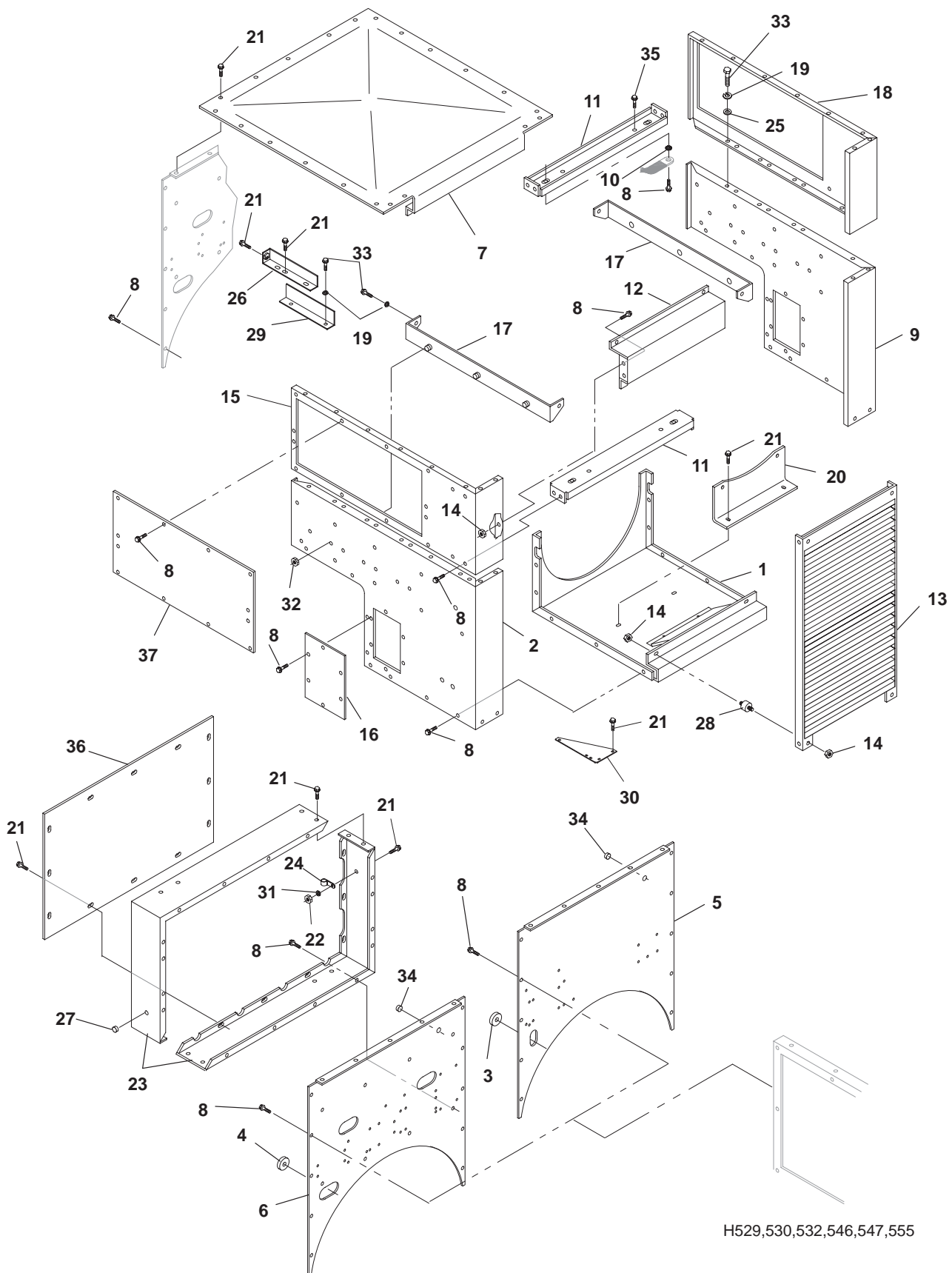


K882

## Entrance Box

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3184	1	Wrapper, Circuit Breaker	7	319-3288	2	Brace, Cover (Horizontal)
2	319-3265	1	Cover, Entrance Box	8	821-6002-03	89	Screw, Hex Head (M6 x 16mm)
3	319-1961	1	Cover, Control Box – Top	9	821-2035	5	Screw, Self-Locking – Hex Washer Head (M6 x 25mm)
4	319-1925	1	Cover, Control Box – Bottom				
5	319-3264	1	Brace, Cover				
6	319-3286	2	Brace, Cover (Vertical)	10	870-0504	26	Nut, Retaining (M6)

# Control Housing

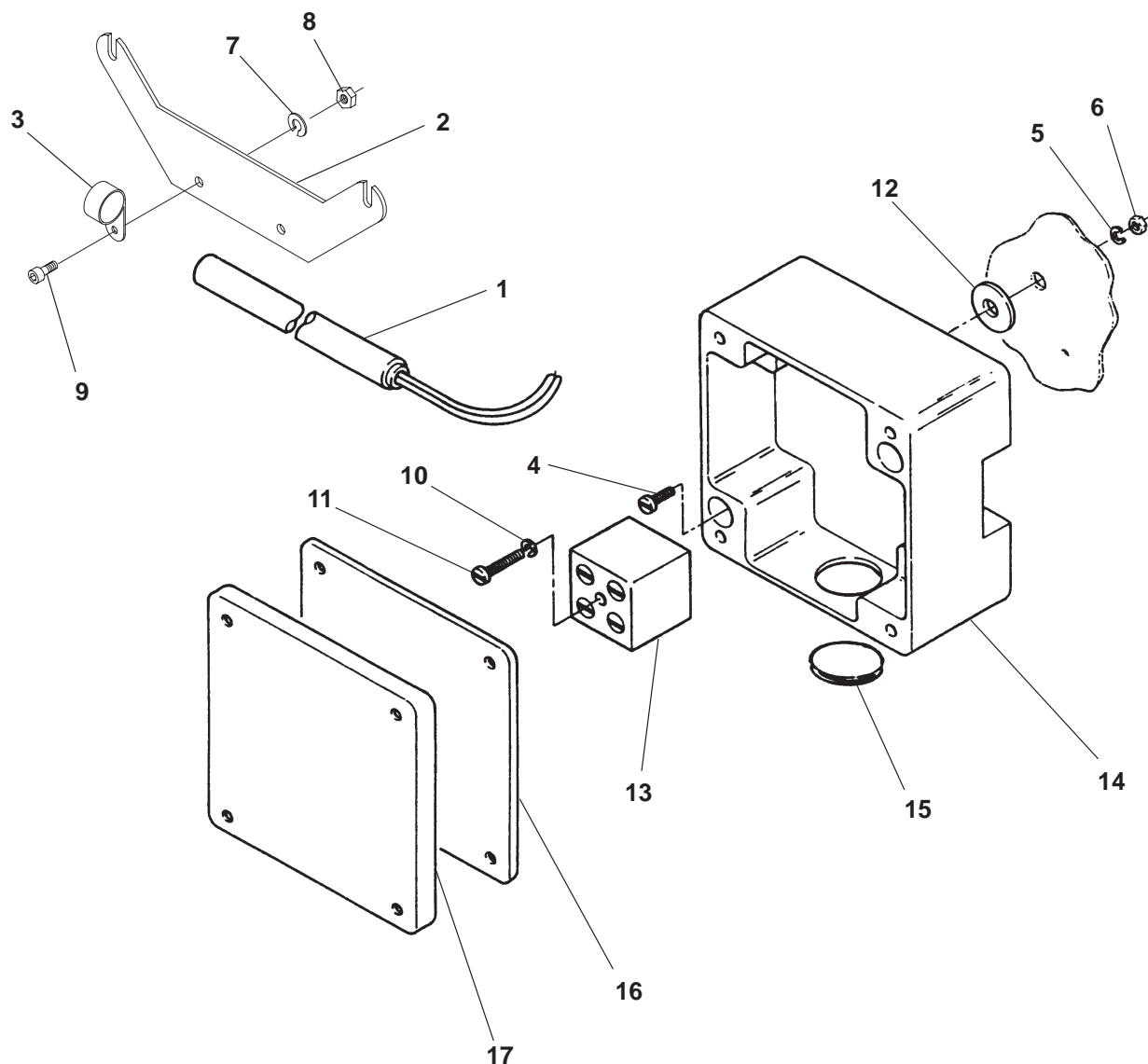


H529,530,532,546,547,555

## Control Housing

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3270-04	1	Panel – Bottom	22	870-2055	2	Nut, Locking (M8) Sets With
2	319-3283-01	1	Panel – Right Side – Bottom				PowerCommand Control
3	508-1057	1	Grommet, Rubber (Fits 2-1/4" Hole) Sets With Detector Control	23	319-3277	2	Wrapper, Control Box – Sets With PowerCommand Control
4	508-1090	3	Grommet, Rubber (Fits 3-1/4" Hole) Sets With PowerCommand Control	24	332-2634	4	Clamp, "J" – Sets With PowerCommand Control
5	319-3261	1	Panel – Front – Sets With Detector Control	25	526-0141	6	Washer, Flat (3/8")
6	319-3275	1	Panel – Front – Sets With PowerCommand Control	26	319-3263	1	Angle, Support (5-1/2")
7	319-1093	1	Cover, Top	27	517-0131	1	Plug, Hole (Fits 3/8" Hole)
8	821-6002-03	26	Screw, Hex Head (M6 x 16mm)		517-0131	3	Sets With Detector Control
9	319-3283-02	1	Panel – Left Side – Bottom	28	402-0729	4	Sets With PowerCommand Control
10			Washer, Lock – EIT (1/4")	29	319-3269	1	Isolator, Vibration
	856-0006	1	Sets With Detector Control	30	319-1203-01	2	Angle, Support (6-1/2")
	856-0006	2	Sets With PowerCommand Control	31	526-1115	2	Gusset
11	319-3258	2	Support, Control Box				Washer, Flat (5/16") Sets With PowerCommand Control
12	319-2778	1	Panel – Rear	32	870-2056	6	Nut, Hex (M10)
13	319-2767	1	Grille	33	800-2086	11	Screw, Cap – Hex Head (M10 x 25mm)
14	870-2054	10	Nut, Locking (M6)	34	517-0135	1	Plug, Hole (Fits 5/8" Hole)
15	319-3281-01	1	Panel – Left Side – Upper	35	821-0014	4	Screw, Self-Locking – Hex Washer Head (5/16-18 x .50)
16	319-0881	2	Cover, Side – Lower				Cover, Control Box – Sets With PowerCommand Control
17	319-3268	2	Bracket, Saddle	36	319-2245	1	Cover, Side – Upper
18	319-3281-02	1	Panel – Left Side – Upper				Without Circuit Breaker, Entrance Box or BUS Box
19	850-2010	11	Washer, Lock – Spring (M10)				With Circuit Breaker, Entrance Box or BUS Box
20	319-1092	1	Bracket, Panel	37	319-1095	2	
21			Screw, Self-Locking – Hex Washer Head (M8 x 20mm)		319-1095	1	
	821-6003-02	62	Sets With Detector Control				
	821-6003-02	74	Sets With PowerCommand Control				

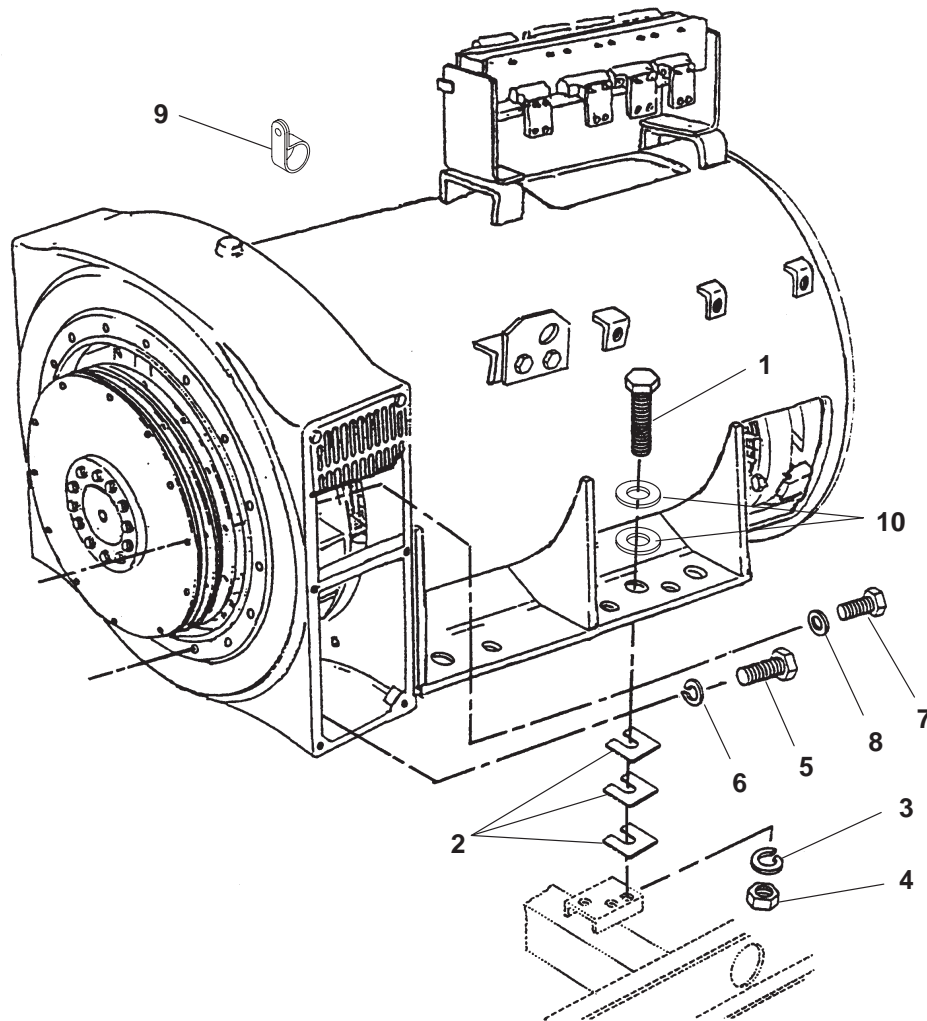
## Generator Heater



A292,293

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	333-0438-05	1	Cartridge, Heater	9	800-2008	2	Screw, Cap - Hex Head (M5 x 16)
	333-0438-06	1	120 Volt	10	850-2003	1	Washer, Lock (M3)
2	232-3849	1	240 Volt	11	822-3047	1	Screw, Pan Head (M3 x 20)
3	332-3024-14	2	Bracket, Mounting - Heater	12	508-0228	1	Grommet
4	822-3075	6	Clamp, Loop	13	332-3023	1	Block, Terminal
5	850-2004	2	Screw, Pan Head (M4 x 16)	14	330-0142	1	Box, Terminal
6	860-2005	2	Washer, Lock (M4)	15	517-0021	1	Plug, Dot Button
7	850-2005	2	Nut, Hex (M4)	16	330-0141-04	1	Gasket, Terminal Box
8	860-2006	2	Washer, Lock (M5)	17	330-0141-03	1	Cover, Terminal Box
			Nut, Hex (M5)				

## Generator Mounting



CP01

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	800-0303	2	Screw, Cap – Hex Head (1-1/4–7 x 3.50)	4	862-0017	2	Nut, Hex (1-1/4–7)
2			Shim – Generator (Select as Required)	5	800-0596	16	Screw, Cap – Hex Head (1/2–13 x 2.25)
	232-3710-01	4	1/32"	6	850-0060	16	Washer, Lock (1/2)
	232-3710-02	4	5/64"	7	805-0035	6	Bolt, Place (5/8–11 x 1.50)
	232-3710-03	4	1/8"	8	526-0416	6	Washer, Flat (5/8)
3	850-0092	2	Washer, Lock (1-1/4)	9	332-3196	1	Clamp, J
				10	526-0445	4	Washer, Flat

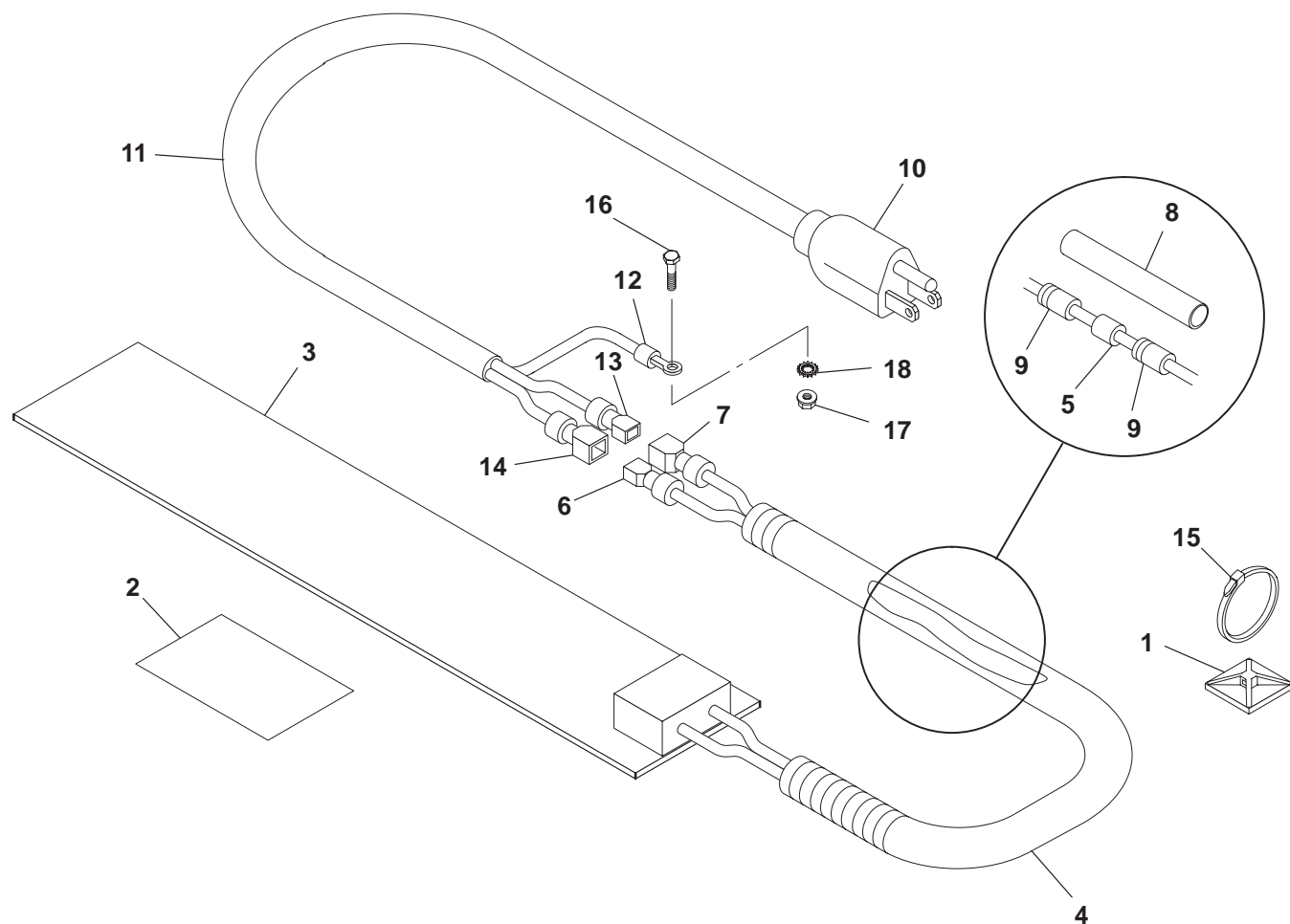
## Generator

For COMPLETE generator replacement use the 249-XXXX-XX Cummins/Onan identification number.

Cummins/Onan Identification Number	Generator Model
249-5092-02	HC7F
249-5092-05	HC7G
249-5093-02	HC7F
249-5093-05	HC7G
249-5095-06	HC7G(MV)



# Control Heater Generator Sets With Detector Control

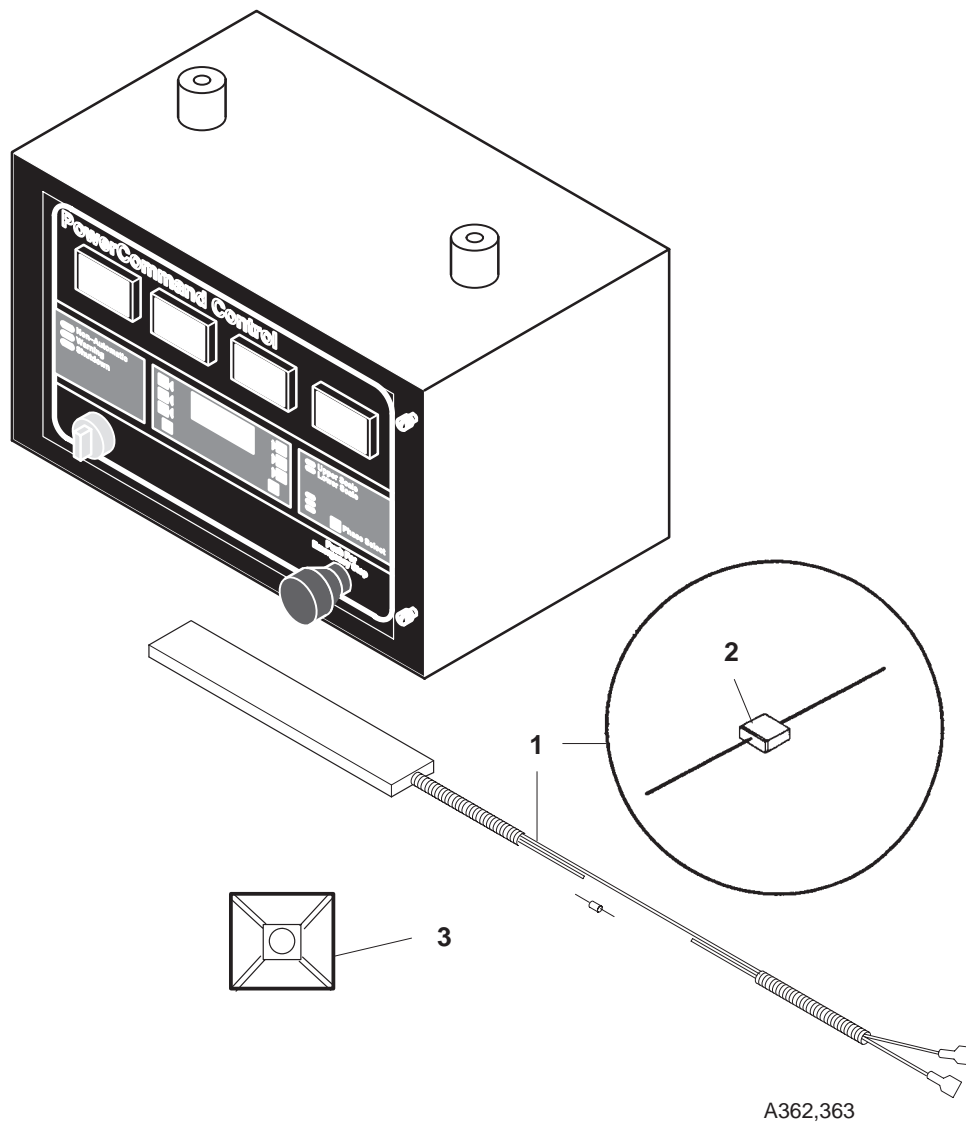


A363,362,H529,546,547

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-3338	2	Mount, Tie – Cable	11	335-0110	1	* Cable
2	098-6195	1	Label, Caution	12	332-2697	1	* Terminal, Ring
3			Heater, Control	13	332-1992	1	* Terminal, Receptical
	333-0550-01	1	120 Volt	14	332-2430	1	* Terminal, Tab
	333-0550-02	1	240 Volt	15	332-0942	3	Tie, Cable
4	898-1195-01	A/R	Sleeving, Convoluted	16	800-0024	1	Screw, Cap – Hex Head (5/16-18 x 3/4)
5	357-0114	1	Rectifier, Power	17	870-0257	1	Nut, Hex – Self Locking (5/16-18)
6	332-1992	1	Terminal, Receptical	18	856-0008	2	Washer, Lock EIT (5/16)
7	332-2430	1	Terminal, Tab				
8	898-0860	A/R	Tubing, Heat Shrink				
9	332-1789	2	Splice, Window (18 Gauge)				
10	335-0173	1	Cable, Heater – Control (Includes Parts Marked *)				

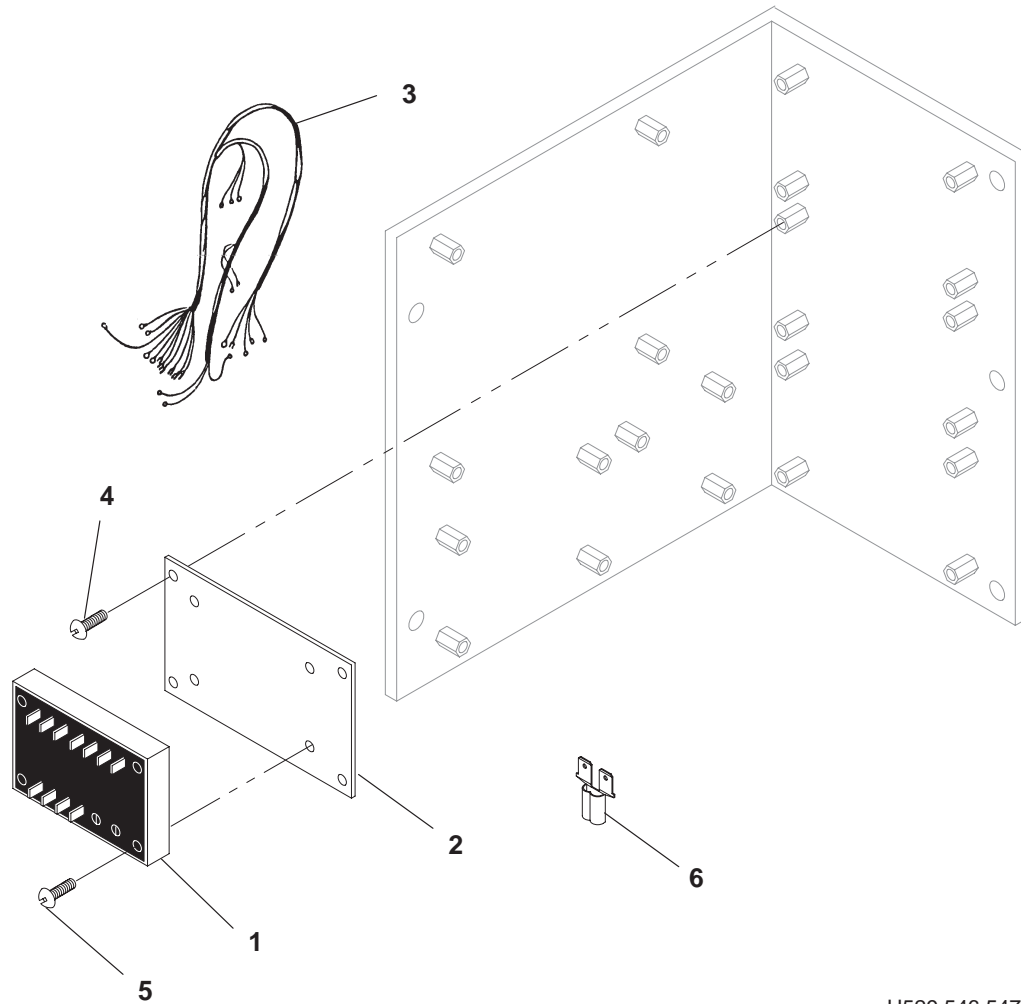
\* – Parts Included In 335-0173 Heater Cable

# Control Heater Generator Sets With PowerCommand Control



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

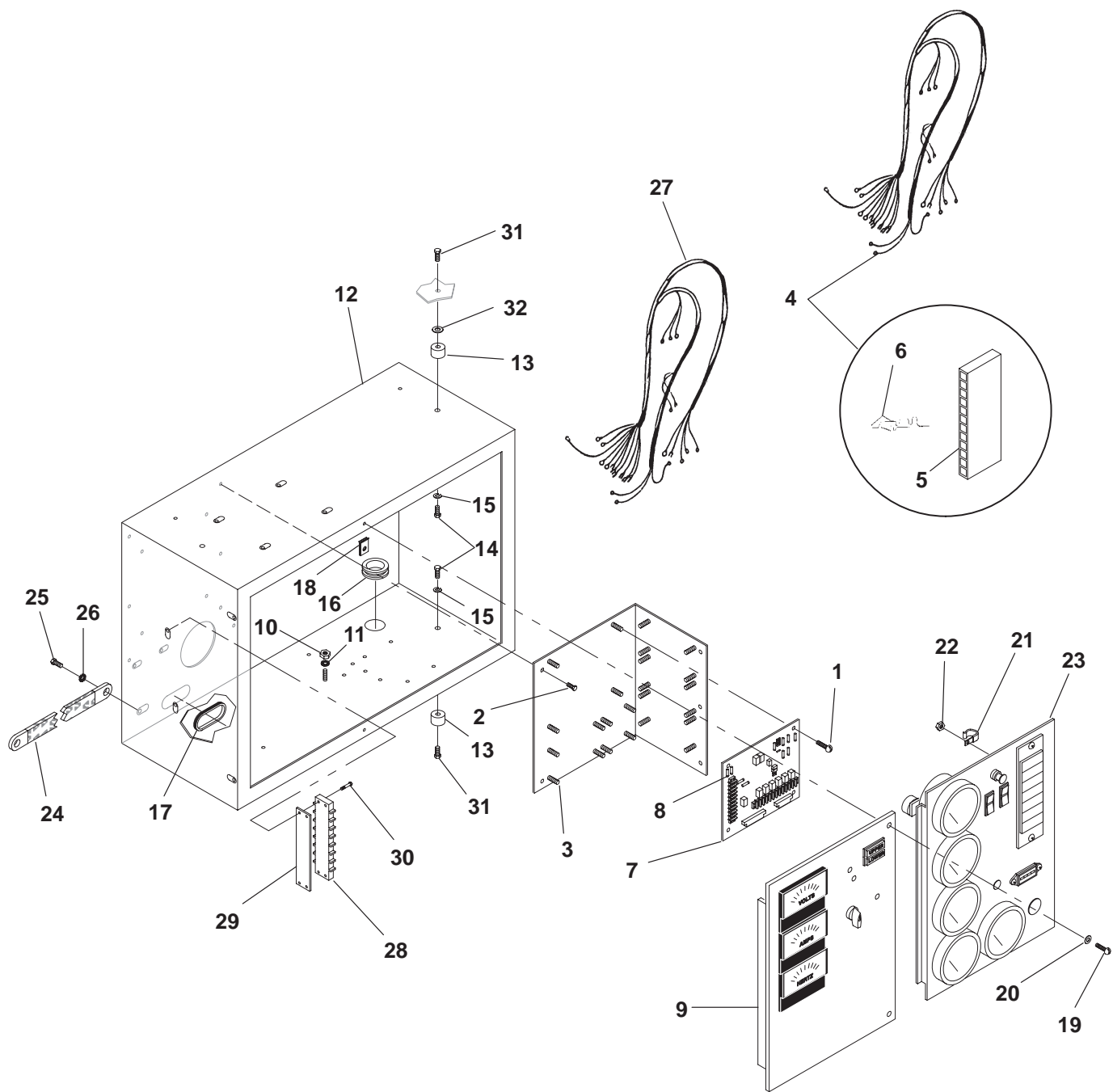
## Electric Overspeed Generator Sets With Detector Control



H529,546,547

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	305-0902-02	1	Module, Frequency	5	812-0082	4	Screw, Machine – Round Head (8-32 x 3/4")
2	319-0754	1	Plate, Overspeed	6	332-1571	2	Terminal, Tab Adapter
3	338-2529	1	Harness, Overspeed				
4	815-0388	4	Screw, Cross Recessed Thread Forming (6-32 x 1/2")				

# Detector Control

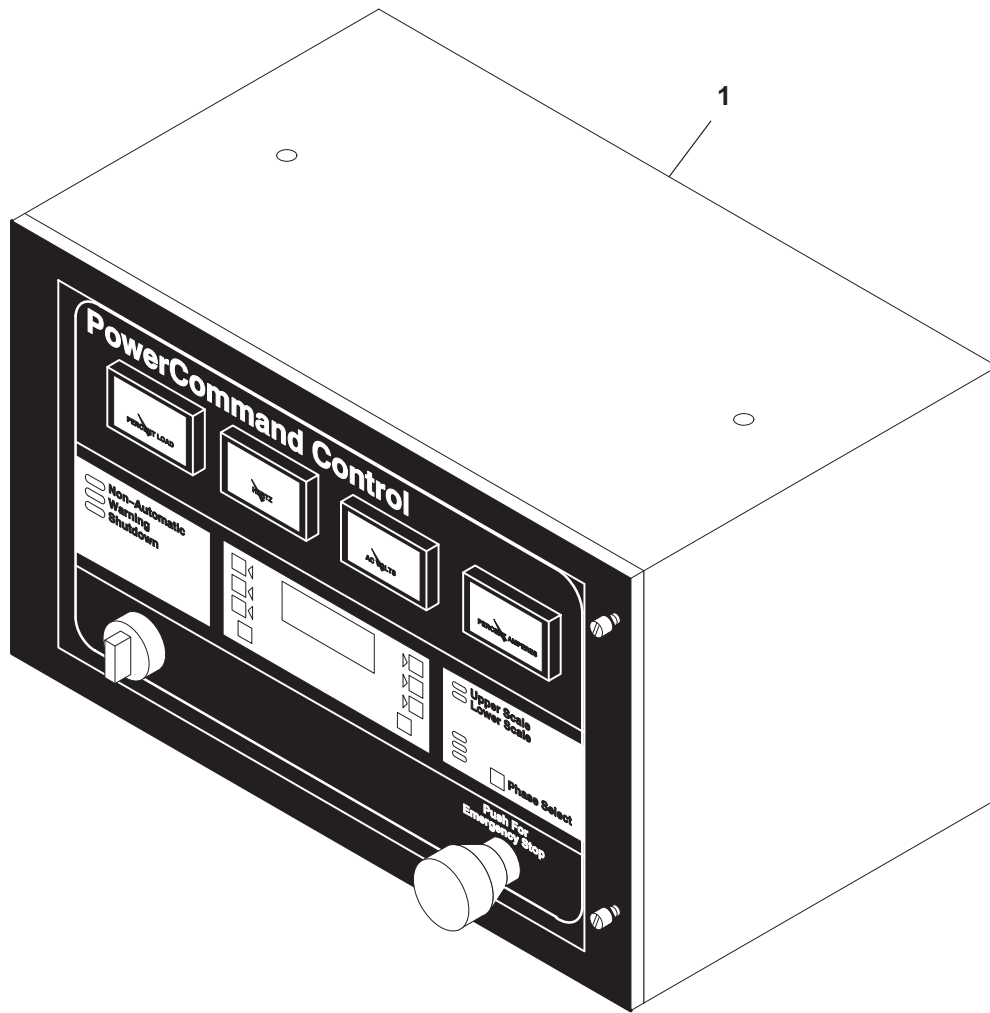


H547,529,546

## Detector Control

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	815-0544	4	Screw, Machine – Round Head – Cross Recessed W/IT (#6-32 x 1/2")	14	800-0045	4	Screw, Cap – Hex Head (5/16-18 x 3/8")
2	821-0004	8	Screw, Self-Locking – Hex Washer Head (#10-32 x 5/16")	15	850-0045	4	Washer, Lock – Spring (5/16")
3	301-8851	1	Bracket, Mounting	16	508-0001	1	Grommet (Fits 1-1/16" Hole)
4	338-3252	1	Harness, Wiring – DC Control Door Assembly to Engine Monitor Board (Includes Connector Housing and Contact Pins)	17	508-0051	1	Grommet (Fits 2" Hole)
5	323-1308	1	Housing, Connector (12 Place) (J4)	18	406-0332	2	Receptacle, Fastener
6	323-1302	11	Pin, Contact	19	406-0333	2	Stud, Fastener
7			Board Assembly, Printed Circuit – Engine Monitor (Includes Fuses) (A11)	20	406-0334	2	Washer, Stud Retainer
	300-4295	1	7 Light Control	21	332-0052	2	Clip, Wire
	300-4297	1	12 Light Control	22	870-0131	6	Nut, Hex – W/ET (#10-32)
8			Fuse	23	–	–	Door, Assembly – Control – DC (See Separate Page For Components)
	321-0307-03	2	5 Amp (Tan) (F4, F5)	24	337-0049	3	Strap, Ground
	321-0307-06	1	15 Amp (Light Blue) (F3)	25	800-0024	3	Screw, Cap – Hex Head (5/16-18 x 1/2")
	321-0307-07	2	20 Amp (Yellow) (F1, F2)	26	856-0008	3	Washer, Lock – W/EIT (5/16")
9	–	–	Door Assembly – Control – AC (See Separate Page For Components)	27	338-2278	1	Harness, Wiring – AC Control Door Assembly to TB21 Terminal Block (Includes TB21 Terminal Block)
10	871-0015	1	Nut, Hex (1/4-20)	28	332-0607	1	Block, Terminal – 12 Place (TB21)
11	853-0013	1	Washer, Lock – W/ET (1/4")	29	332-2723	1	Strip, Marker
12	301-8065	1	Box, Control	30	812-0065	2	Screw, Machine – Hex Head (#6-32 x 5/8")
13	402-0527	4	Isolator, Vibration	31	821-0014	4	Screw, Self-Locking – Hex Washer Head (5/16-18 x 1/2")
				32	526-0013	2	Washer, Flat (25/64")

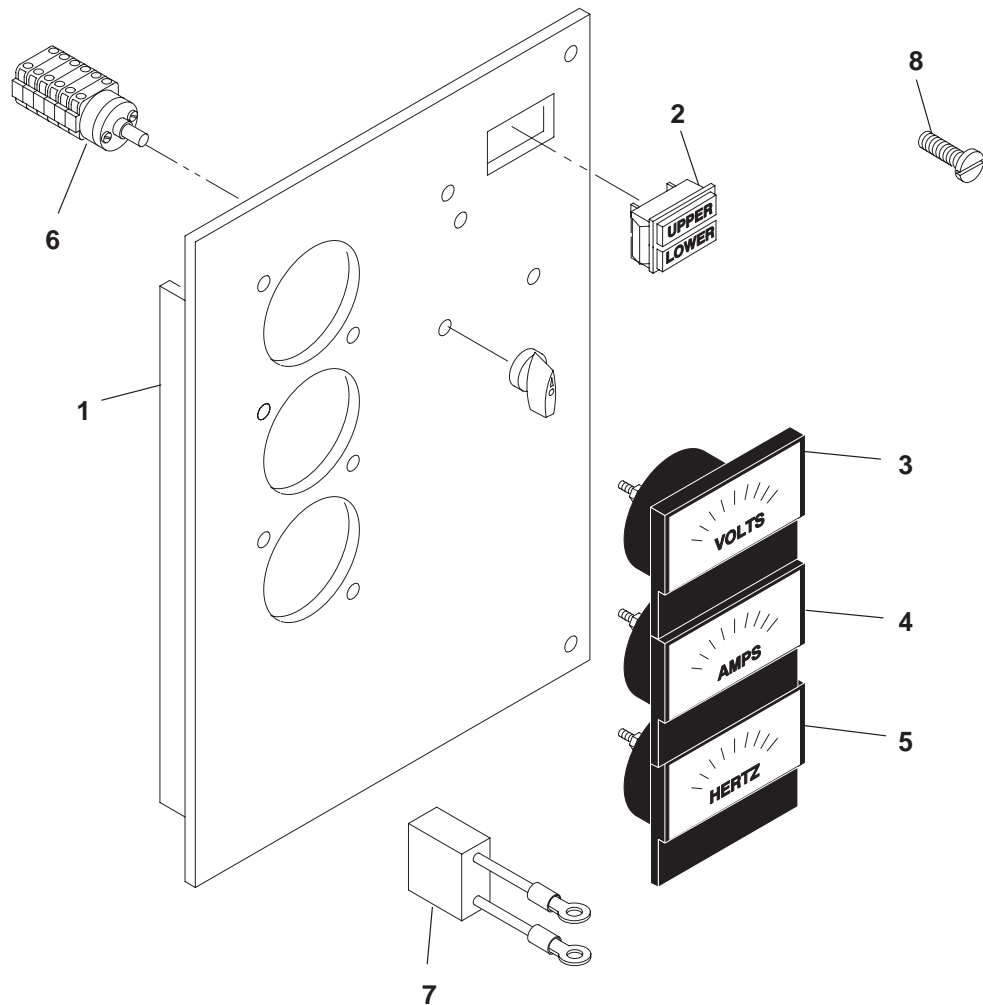
## PowerCommand Control



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

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
<b>Note:</b> For PowerCommand Control Service Replacement Parts, Order PowerCommand Control for Generator Sets Parts Catalog Number 960-0205.			

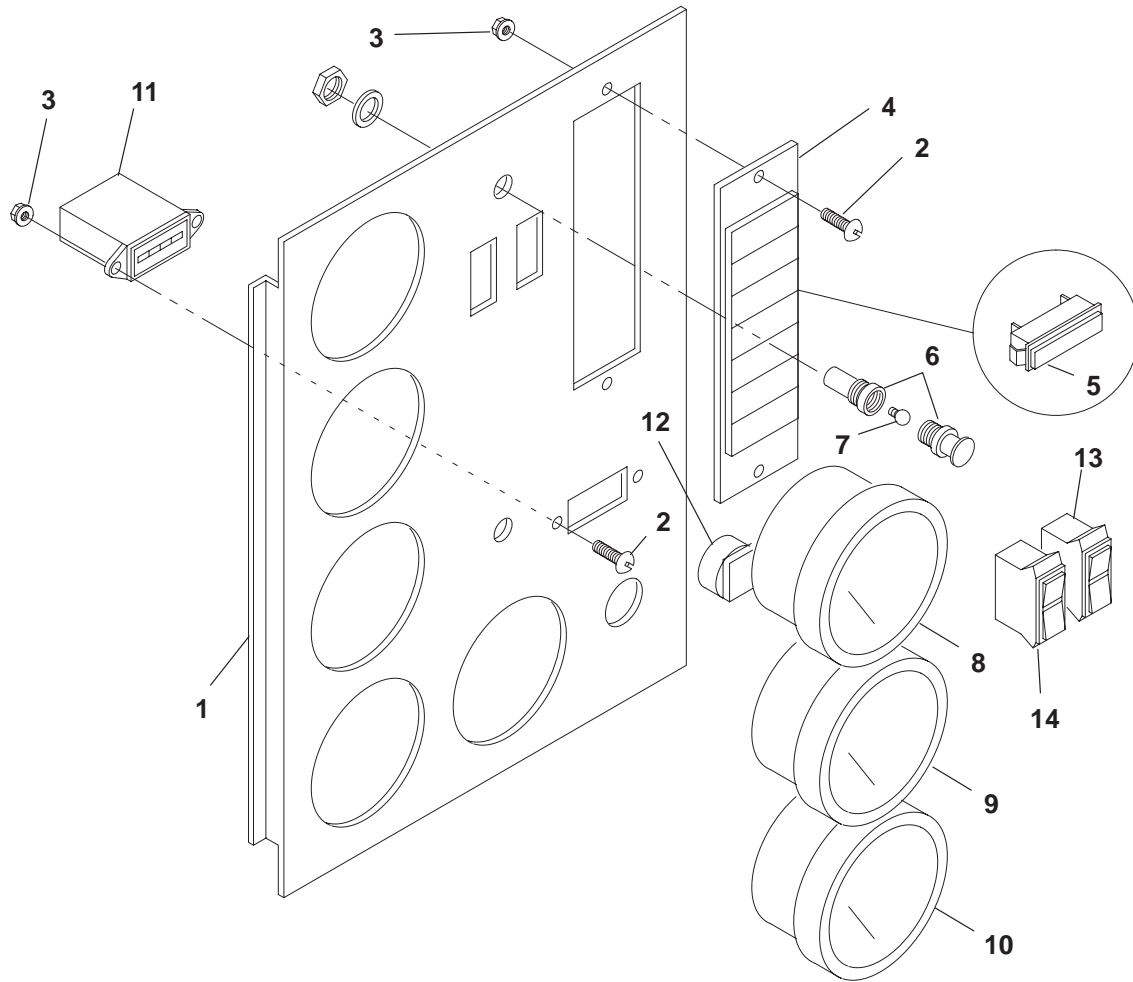
# AC Control Door Assembly



H547,529,546K001

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	301-9054-01	1	Door, Control – AC	5	302-1968	1	Meter, Frequency (M23)
2	322-0363	1	Light, Indicator – Upper/ Lower Scale (DS21, DS22)	6	308-1052	1	Switch, Rotary – Voltmeter/ Ammeter (S21)
3			Voltmeter (M21)	7	355-0189	1	Capacitor – Voltmeter (.1 Mfd., 500 WVDC) (C21)
	302-1148	1	Scale Reads 0-300/600	8	815-0875-02	3	Screw, Machine – Pan Head – Cross Recessed (M4 x 8mm)
	302-1753	1	Scale Reads 0-750				
	302-1938	1	Scale Reads 0-5200				
4			Ammeter (M22)				
	302-1725	1	Scale Reads 0-375/750				
	302-1725	1	Scale Reads 0-3000/6000				

## DC Control Door Assembly

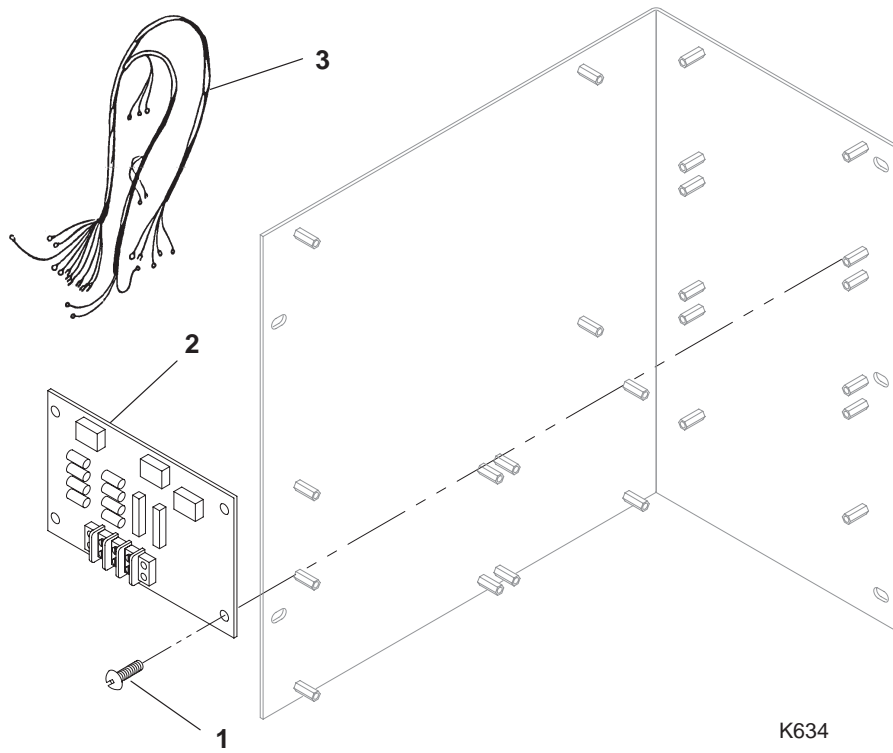


H547,529,546

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	301-9055-01	1	Door, Control – DC	9	193-0351	1	Gauge, Water Temperature (M12)
2	815-0385	4	Screw, Machine – Round Head (#6-32 x 1/2")	10	302-1642	1	Voltmeter (M13)
3	870-0183	4	Nut, Hex – W/ET (#6-32)	11	302-0885	1	Meter, Time Totalizing (M14)
4			Light Assembly, Indicator (Includes Wiring Harness and Connector Housing) (A12)	12	193-0250	2	Resistor (Mounted on Oil Pressure and Water Temperature Gauges) (R12, R13)
	322-0359-02	1	7 Light Assembly	13	308-1010	1	Switch, Rocker – Lamp Test/Reset Panel Lamp – Preheat (S11)
	322-0360-02	1	12 Light Assembly	14	308-1011	1	Switch, Rocker – Run/Stop/Remote (S12)
5	322-0369-02	1	Light, Indicator – Replacement				
6	322-0361	1	Light, Panel (DS11)				
7	322-0017	1	Bulb, Panel Light – Replacement				
8	193-0466	1	Gauge, Oil Pressure (M11)				

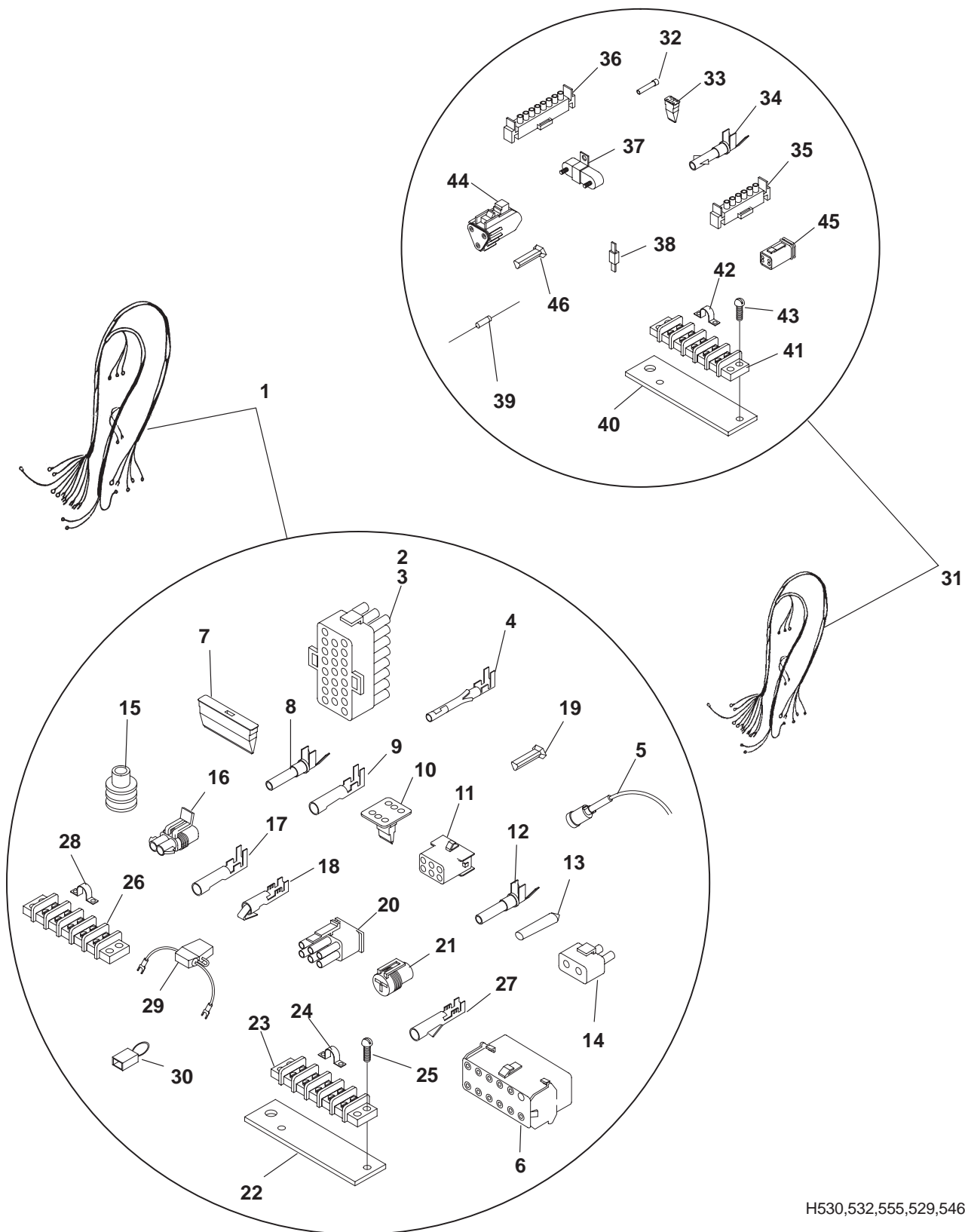


## Time Delay Start/Stop



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	815-0544	4	Screw, Machine – Round Head – Cross Recessed W/IT (#6-32 x 1/2")	3	338-1904	1	Harness, Wiring (5 Wire) (21-1/2")
2	300-2899	1	Board, Printed Circuit – Time Delay (A15)				

# Wiring Harness

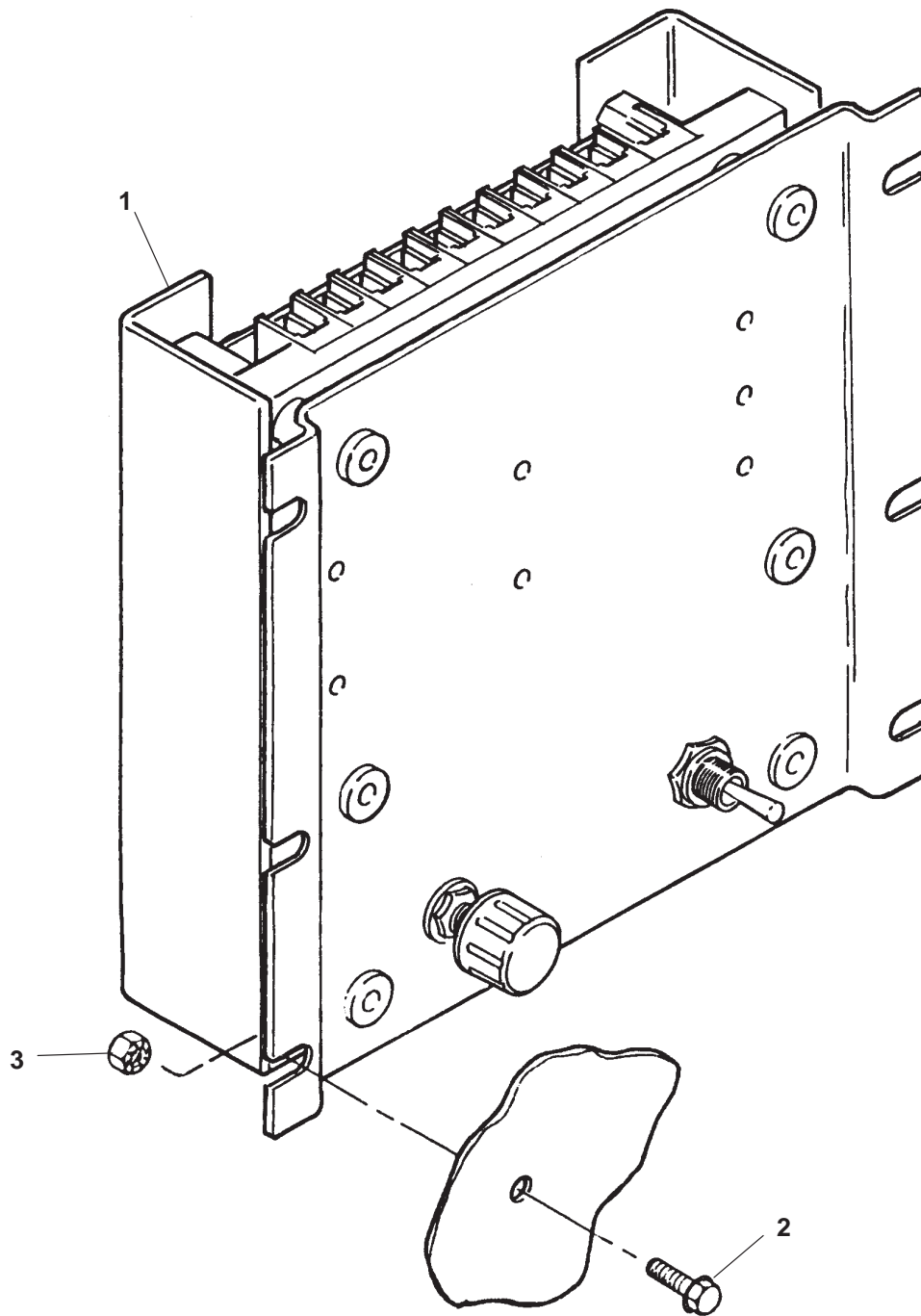


H530,532,555,529,546,547

## Wiring Harness

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-3336	1	Harness, Wiring – Engine to Control (PowerCommand Control) (Includes Parts Marked *)	27	323-1667	3	* Socket, Contact (Used in E1)
2	323-1605-03	1	* Plug, Connector (23 Pin Gray) (P5)	28	332-1043	3	* Jumper (Used on TB-BAT)
3	323-1605-02	2	* Plug, Connector (23 Pin Natural) (P4, P6)	29	321-0339	1	* Holder Assembly, Fuse (Used on TB-BAT) (Includes Indented Parts Listed Below)
4	323-1614-01	49	* Socket, Contact (Used in P4, P5, P6)		321-0325	1	Holder, Fuse
5	338-2592-01	1	* Cable, Magnetic Pickup (84") (Includes Indented Sockets Listed Below) (P1)		321-0307-07	1	Fuse – 20 Amp (Colored Yellow)
	323-1614-01	3	Socket, Contact	30	338-3285	2	* Harness Assembly, Jumper (Includes Indented Parts Listed Below)
6	323-1580	1	* Housing, Connector (12 Place) (J12)		323-1652	1	Socket, Connector (2 Place)
7	323-1581	1	* Wedge (Used in J12)		323-1445	2	Seal
8	323-1491	5	* Pin, Contact (Used in J12)		323-1718	2	Pin, Contact
9	323-1648	5	* Socket, Contact (Used in P10)	31	338-3347	1	Harness, Wiring – Engine to Control (Detector Control) (Includes Parts Marked #)
10	323-1624	1	* Wedge (Used in P7)	32	323-1591	1	# Plug, Connector
11	323-1623	1	* Plug, Connector (6 Place) (P7)	33	323-1548	1	# Wedge, Plug (4 Pin) (Used in E1)
12	323-1492	9	* Socket, Contact (Used in P7)	34	323-1200	11	# Socket, Contact (Used in J1, J2)
13	323-1615	A/R	* Plug (Used On P4, P5, P6)	35	323-1304	1	# Housing, Connector (6 Place) (J2)
14	323-1637	2	* Socket, Connector (Used in E6, E7)	36	323-1306	1	# Housing, Connector (8 Place) (J1)
15	323-1445	10	* Seal, Cable (Used On E2, E3, E4, E6, E7)	37	353-0094-01	1	# Resistor (R1)
16	323-1540	3	* Socket, Connector (2 Place) (E2, E3, E4)	38	357-0030	1	# Rectifier, Silicon (CR1)
17	323-1444	4	* Socket, Contact (E6, E7)	39	359-0051	1	# Diode, Zener
18	332-3096-01	5	* Socket, Contact (E2, E3, E4)	40			# Bracket, Mounting – Terminal
19	323-1503	1	* Wedge, Plug (3 Pin)		319-2006-01	1	# Marked "26" (T26)
20	323-1643-01	1	* Plug, Connector (6 Place) (P10)		319-2006-02	1	# Marked "GND" (GND-ENG)
21	323-1666	1	* Socket, Connector (3 Place) (E1)	41	332-0604	2	# Block, Terminal (5 Place)
22			* Bracket, Mounting – Terminal	42	332-1043	8	# Jumper
	319-2006-01	1	* Marked "26" (T26)	43	815-0538	4	# Screw, Machine – Round Head – W/IT (8-32 x 1/2")
	319-2006-02	1	* Marked "GND" (GND-ENG)	44	323-1493	1	# Plug (3 Pin) (Used on P3)
23	332-0604	2	* Block, Terminal (5 Place)	45	323-1546	1	# Plug (4 Pin) (Used on E1)
24	332-1043	8	* Jumper	46	323-1503	1	# Wedge, Plug (3 Pin) (Used in P3)
25	815-0538	4	* Screw, Machine – Round Head – W/IT (8-32 x 1/2")				* – Parts Included In 338-3336 Wiring Harness
26	332-0604	1	* Block, Terminal (5 Place) (TB-BAT)				# – Parts Included In 338-3347 Wiring Harness

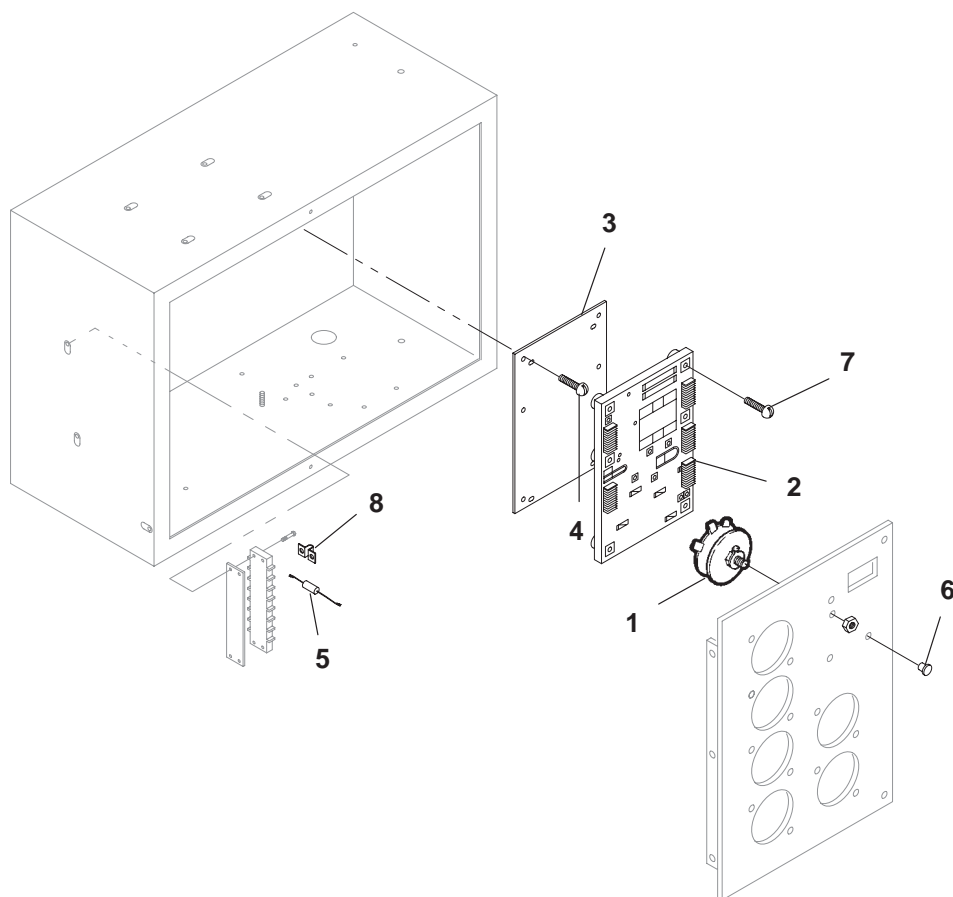
## Manual Voltage Regulator



K939

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	305-0817	1	Regulator, Voltage – Manual	3	870-0131	4	Nut, Hex – W/ET (#10-32)
2	821-0005	4	Screw, Self-Locking – Hex Washer Head (#10-32 x 1/2")				

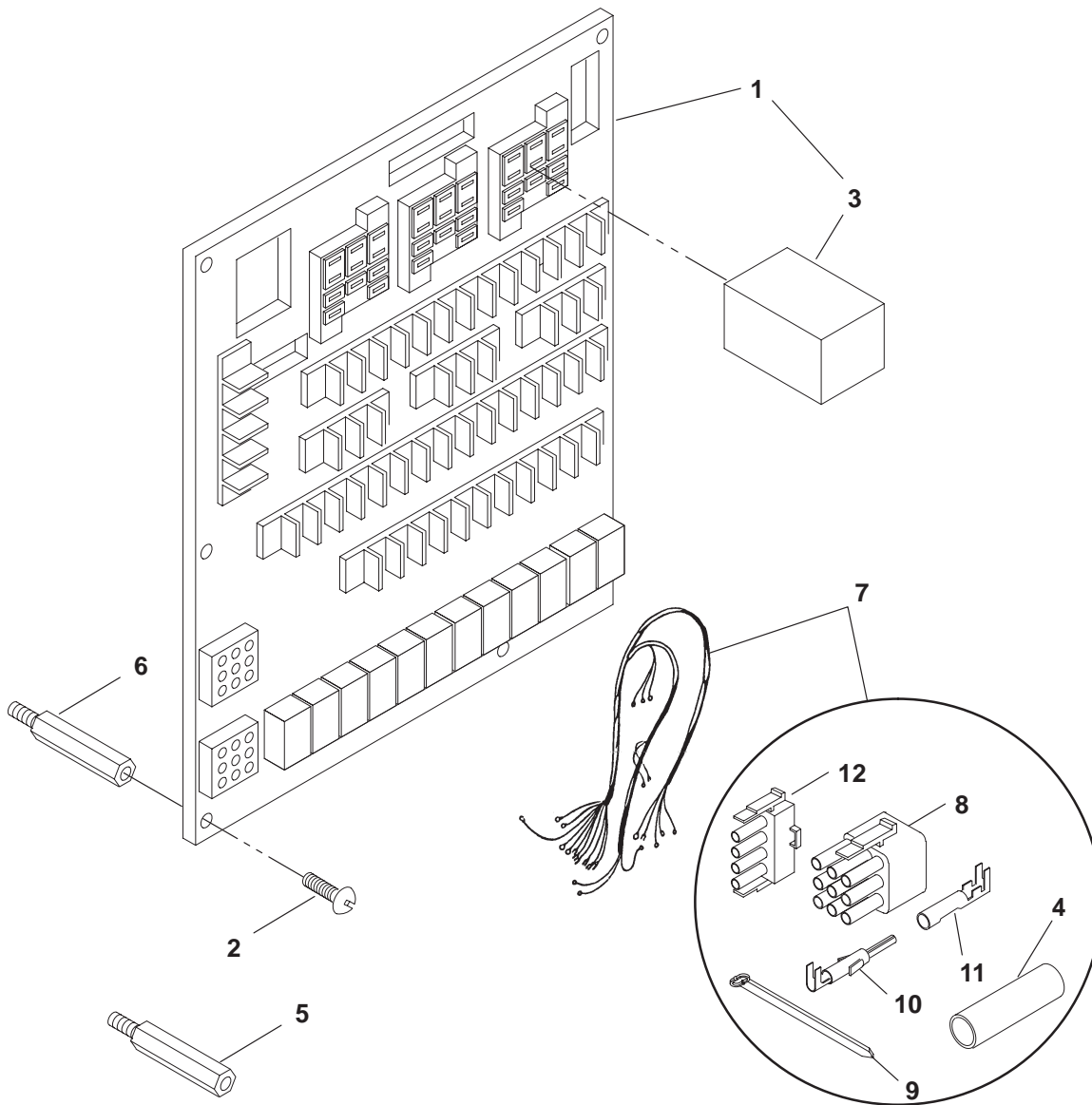
## Voltage Regulator Generator Sets With Detector Control



H529,546,547,K001

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	303-0285	1	Potentiometer – Voltage Adjust (MX321) (R21)	5	350-1222	1	Resistor (1.5K Ohms) (Used On TB21)
2	305-0823	1	Board, Printed Circuit – Voltage Regulator (MX321) (VR21)	6	517-0131	1	Plug, Hole (Fits 3/8" Hole)
3	319-0652	1	Plate, Mounting	7	812-0084	4	Screw, Machine – Round Head (#8-32 x 1")
4	815-0544	6	Screw, Machine – Round Head – Cross Recessed W/IT (#6-32 x 1/2")	8	332-1043	1	Jumper (Used On TB21)

## Alarm Relay Board

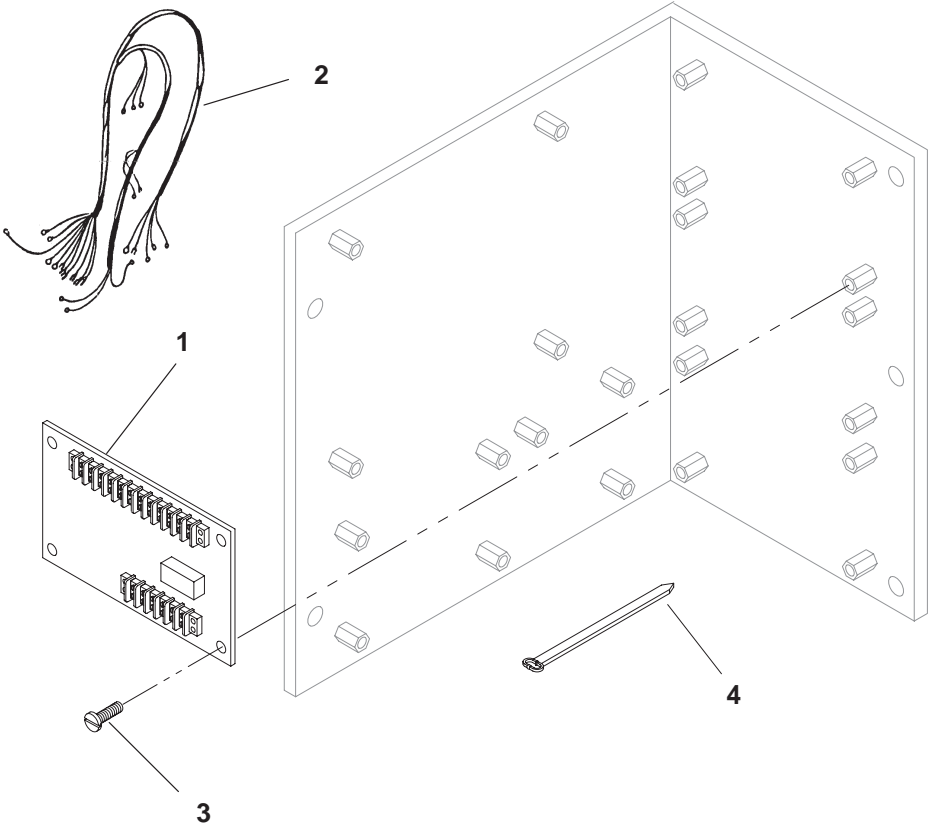


KJ03,KJ02

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-4111-02	1	Board, PC - Alarm Relay	7	338-2875	1	Harness, Alarm Relay Board
	300-4111-04	1	24 Volt Without Form C				(Includes parts marked *)
			24 Volt With Form C	8	323-1291	2	* Plug, 9 Pin
2	815-0544	6	Screw, Machine - Round	9	332-1445	A/R	* Tie, Cable
			Head - Cross Recessed	10	323-1199	9	* Pin, Contact
			W/IT (#6-32 x .50)	11	323-1200	12	* Socket, Contact
3	307-1056	3	Relay - 24 Volt (K1, K2, K3)	12	323-1292	1	* Plug, 4 Pin
4	898-0025	5	* Sleeving (1/2")				
5	870-0517-02	2	Standoff - Alarm Board				
			(1.31 lg.)				
6	870-0517-01	4	Standoff - Alarm Board				
			(1.25 lg.)				

\* = Parts includes in 338-2875 Harness Assembly

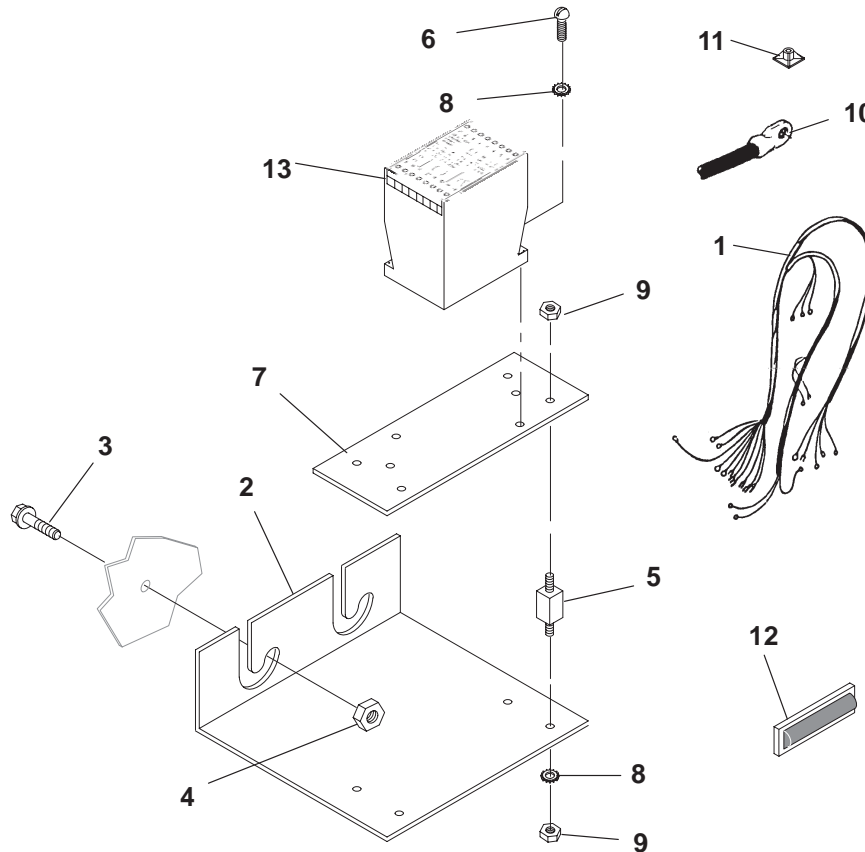
**Common Alarm  
Generator Sets With Detector Control**



H546

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-4218-02	1	Board, PC – Diode	4	332-1445	A/R	Tie, Cable
2	338-3033	1	Harness, Common Alarm				
3	812-0063	4	Screw, Machine – Round Head (#6-32 x 1/2)				

## Ground Fault Relay

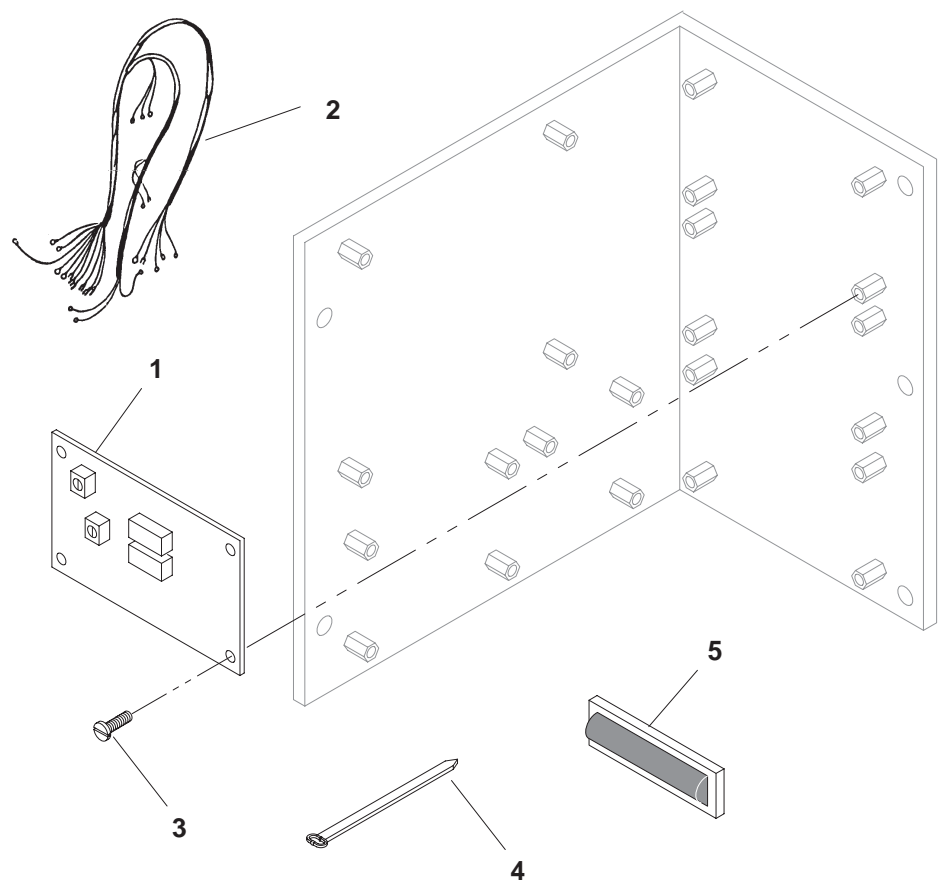


H550

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-3235		Harness, Wiring Generator Sets With Detector Control (GFA to A11, GND, NEUTRAL, CONT GND)	7	319-0030	1	Plate, Mounting
	338-3233		Generator Sets With PowerCommand Control	8	853-0005	8	Washer, Lock – ET (#8)
2	301-6987	1	Bracket, Mounting	9	870-0221	10	Nut, Hex – W/ET (#8-32)
3	821-0017	2	Screw, Self-Locking – Hex Washer Head (5/16-18 x 1/2")	10	226-4406-06	2	Cable, Generator (Generator Neutral to Generator Grounding Bolt) (24")
4	870-0257	2	Nut, Hex – Self-Locking (5/16-18)	11	332-2420	2	Mount, Cable Tie
5	402-0354	4	Mount, Shock	12	322-0431-09	1	Lens, Indicator Light (Amber Color, Marked "GROUND FAULT") Generator Sets With Detector Control
6	812-0081	2	Screw, Machine – Round Head (#8-32 x 5/8")	13	307-2843	1	Relay (GFA)



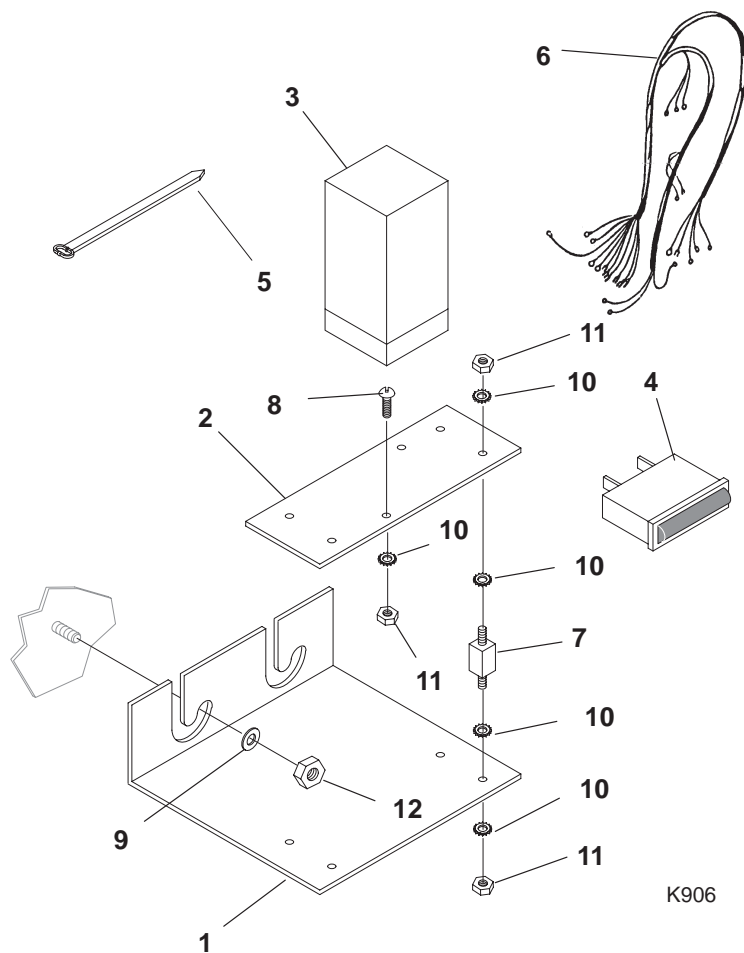
Over/Under Voltage



K881

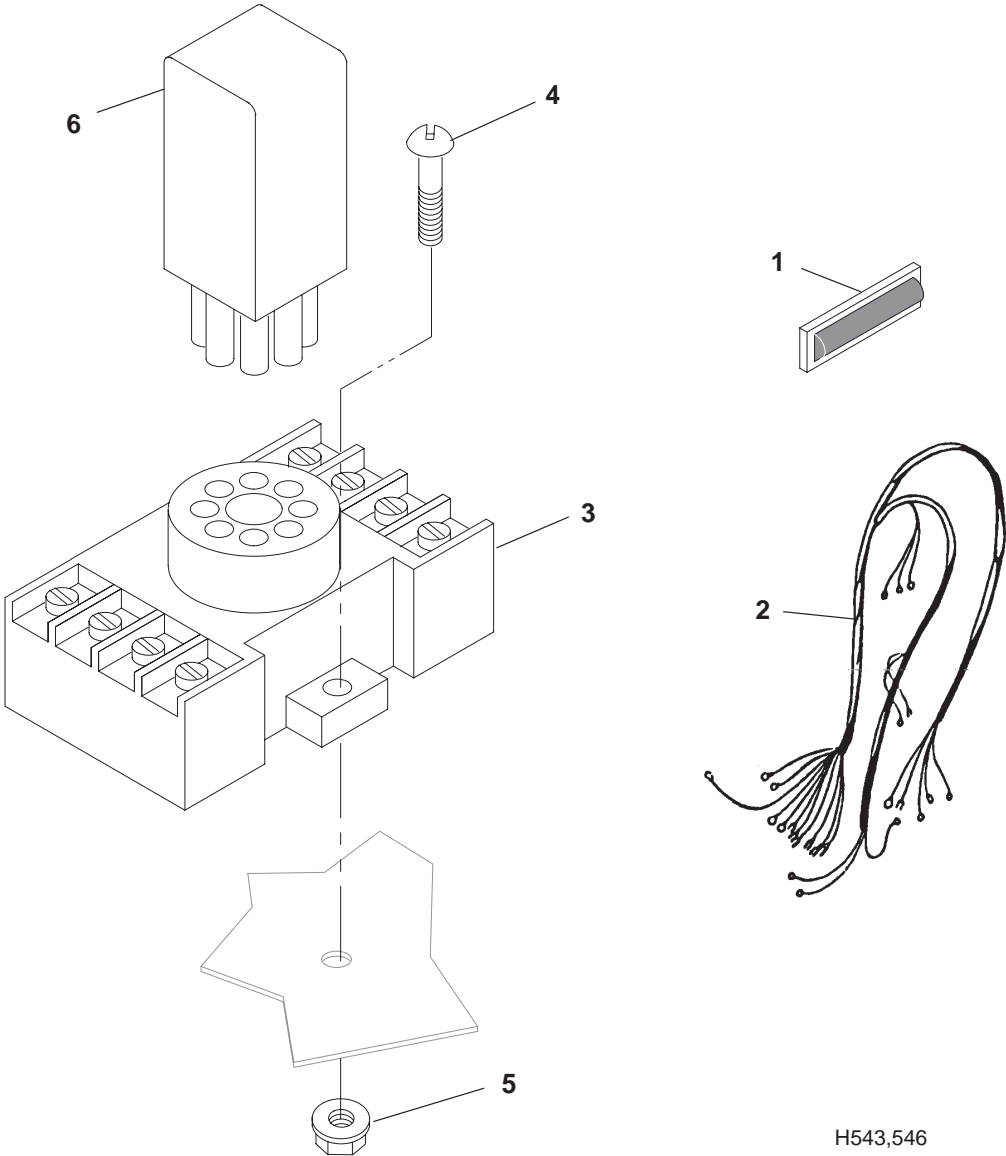
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	307-2868	1	Relay, Over/Under Voltage	4	332-1445	A/R	Tie, Cable
2	338-3366	1	Harness, Over/Under Voltage	5	322-0431-03	1	Lamp, Indicating
3	815-0388	4	Screw, Pan Head – Crossed Recessed Thread Forming (6-32 x 1/2)				

## Over/Under Frequency



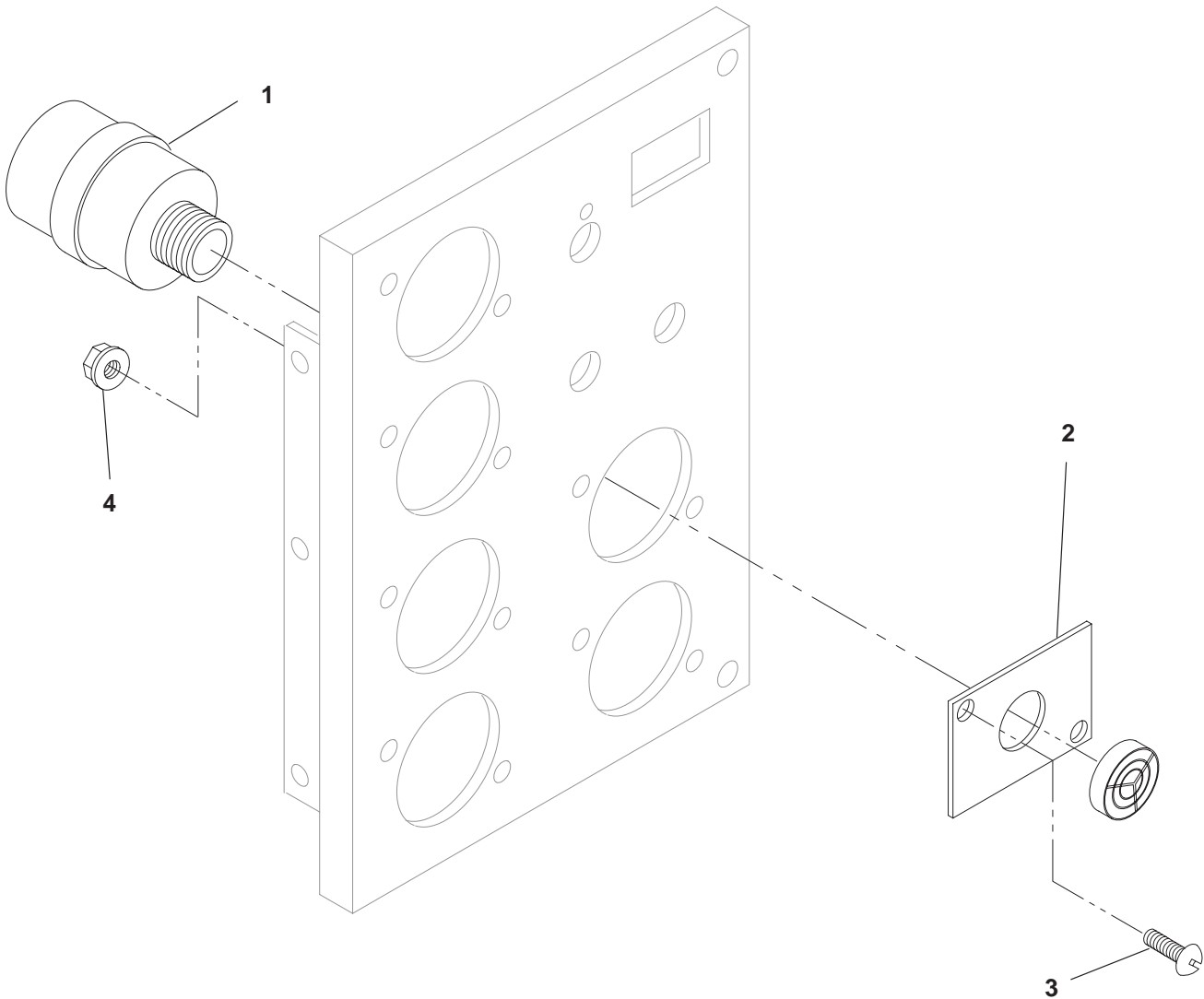
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	301-6987	1	Bracket	7	402-0354	4	Mount, Shock
2	301-9941	1	Plate, Relay Mounting	8	812-0081	2	Screw, Machine – Round Head (8-32 x 5/8)
3			Relay, Over/Under Frequency	9	526-0115	2	Washer, Flat (5/16)
	307-2553	1	50 Hertz	10	853-0005	8	Washer, Lock – EIT
	307-2709	1	60 Hertz	11	870-0221	10	Nut, Hex – W/ET (8-32)
4	322-0431-04	1	Lens, Replacement	12	870-0048	2	Nut, Lock – Self-Locking (5/16-18)
5	332-0942	3	Tie, Cable				
6	338-2347	1	Harness, Over/Under Frequency				

Low Battery Voltage



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	322-0431-08	1	Lens, Indicator	4	812-0084	2	Screw, Machine – Round Head (#8-32 x 1)
2	338-3034	1	Harness, Low Battery Voltage	5	870-1221	2	Nut, Hex W/ET (#8-32)
3	323-1410-03	1	Base, Relay	6	305-0901	1	Sensor, Low Battery

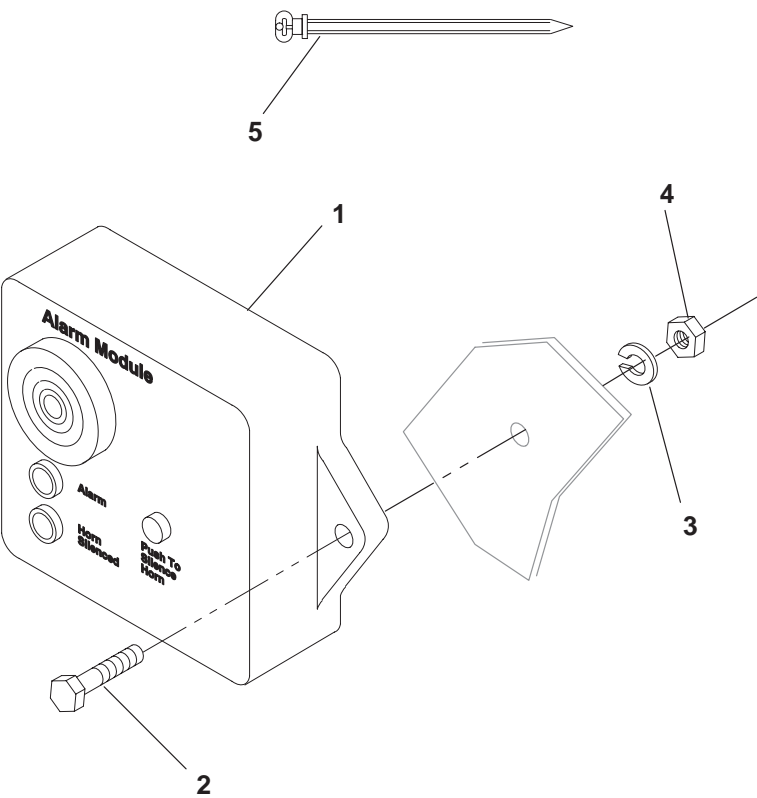
**Audible Alarm**



KA08

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)				

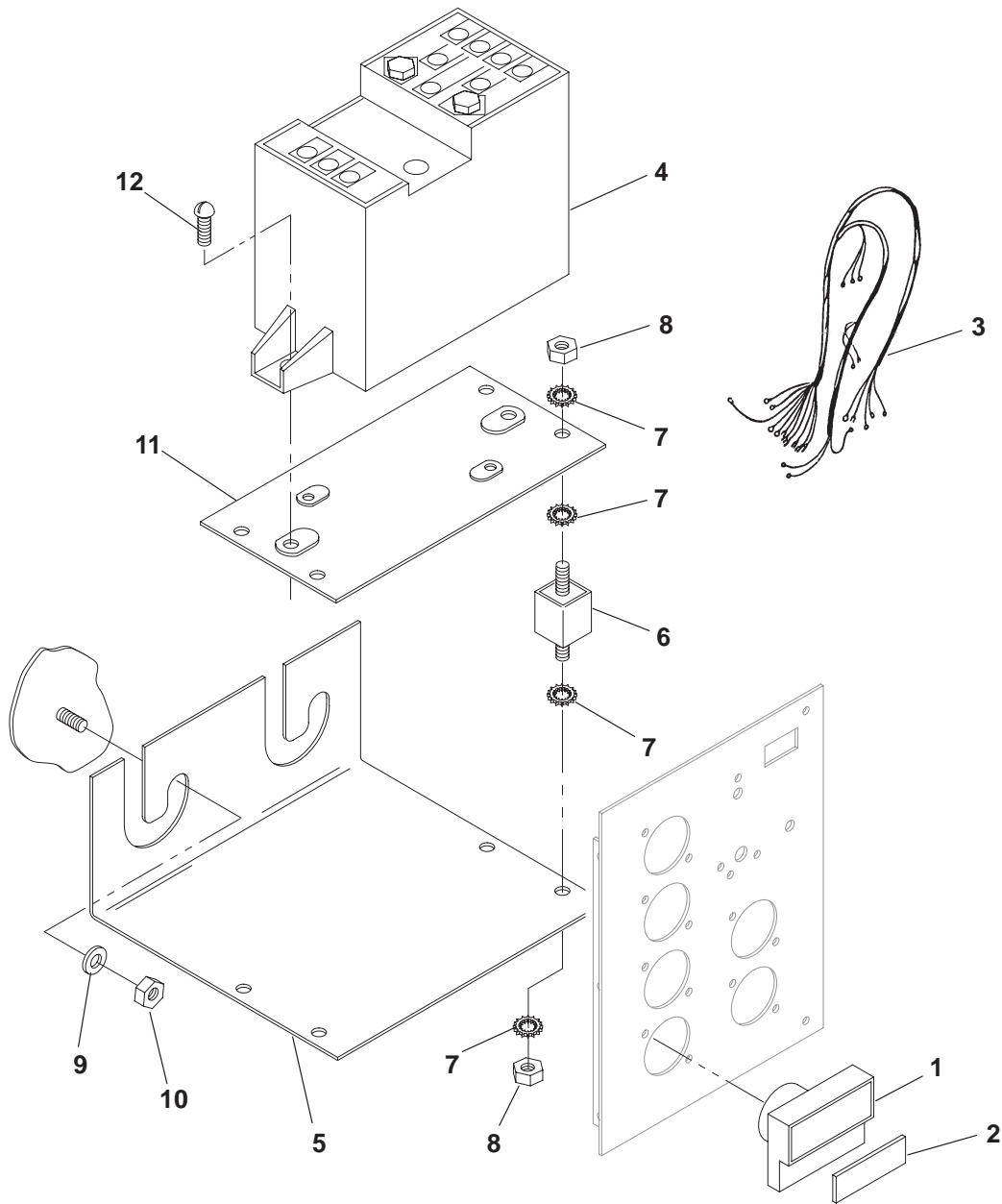
Alarm Module



KA08

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-3998-01	1	Module, Alarm	3	850-0040	2	Washer, Lock (1/4)
2	800-0006	2	Screw, Cap - Hex Head (1/4-20 x 7/8)	4	862-0001	2	Nut, Hex (1/4-20)
				5	332-0942	3	Tie, Cable

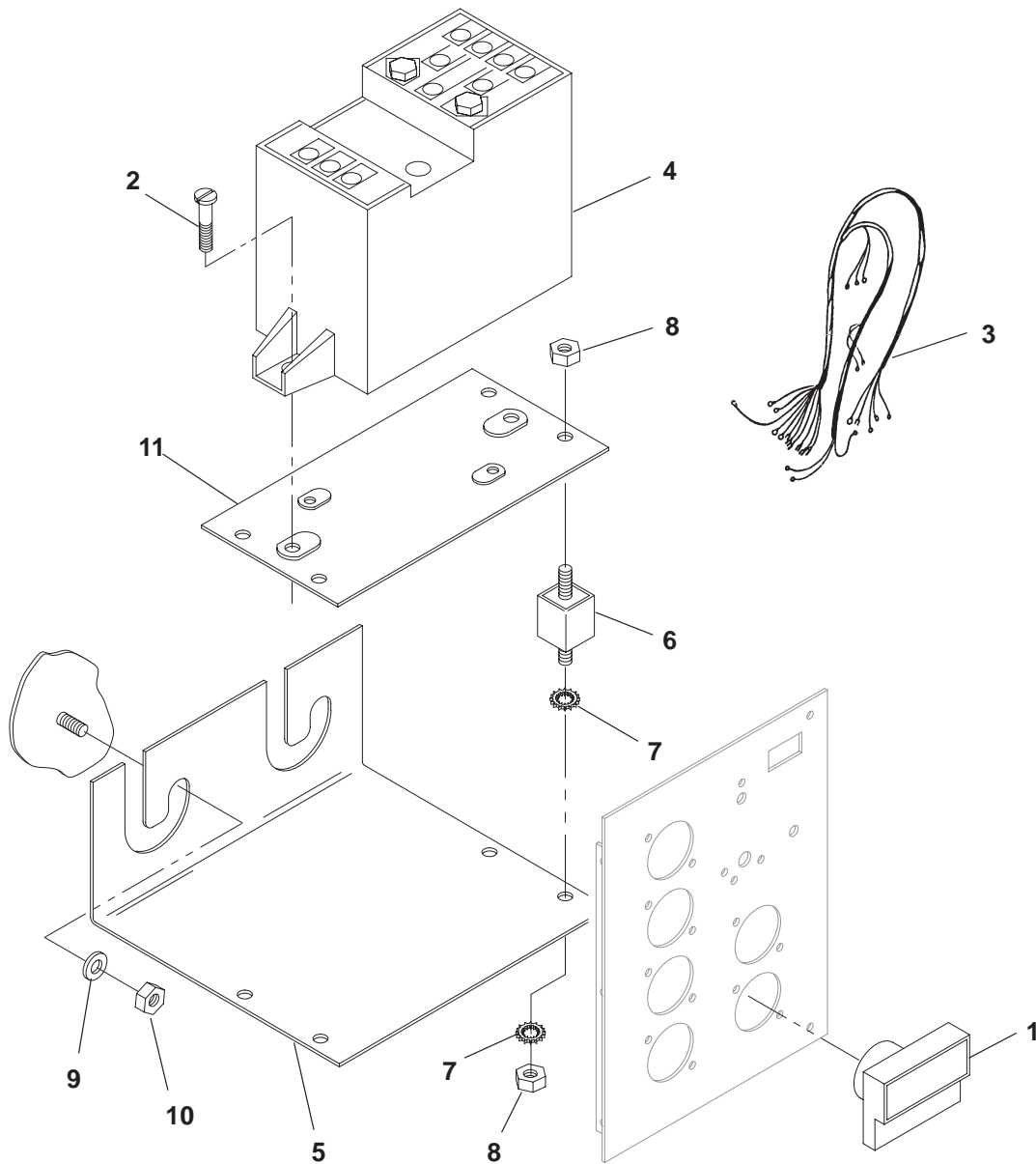
## Wattmeter



K185

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	302-1722	1	Wattmeter (Dial Not Included) (M24)	7	853-0008	8	Washer, Lock - W/ET (10)
2	302-1721-19	1	Dial, Wattmeter	8	870-0221	8	Nut, Hex W/ET (8-32)
3	338-1936	1	Harness, Wiring - Wattmeter	9	526-0115	2	Washer, Flat (5/16'')
4	302-1833-01	1	Transducer, Watts (A21)	10	870-0048	2	Nut, Locking (5/16-18)
5	301-6987	1	Bracket, Mounting	11	319-0030	1	Plate, Mounting
6	402-0354	4	Mount, Shock	12	815-0905-06	2	Screw, Machine - Pan Head - Crossed Recessed (10-32)

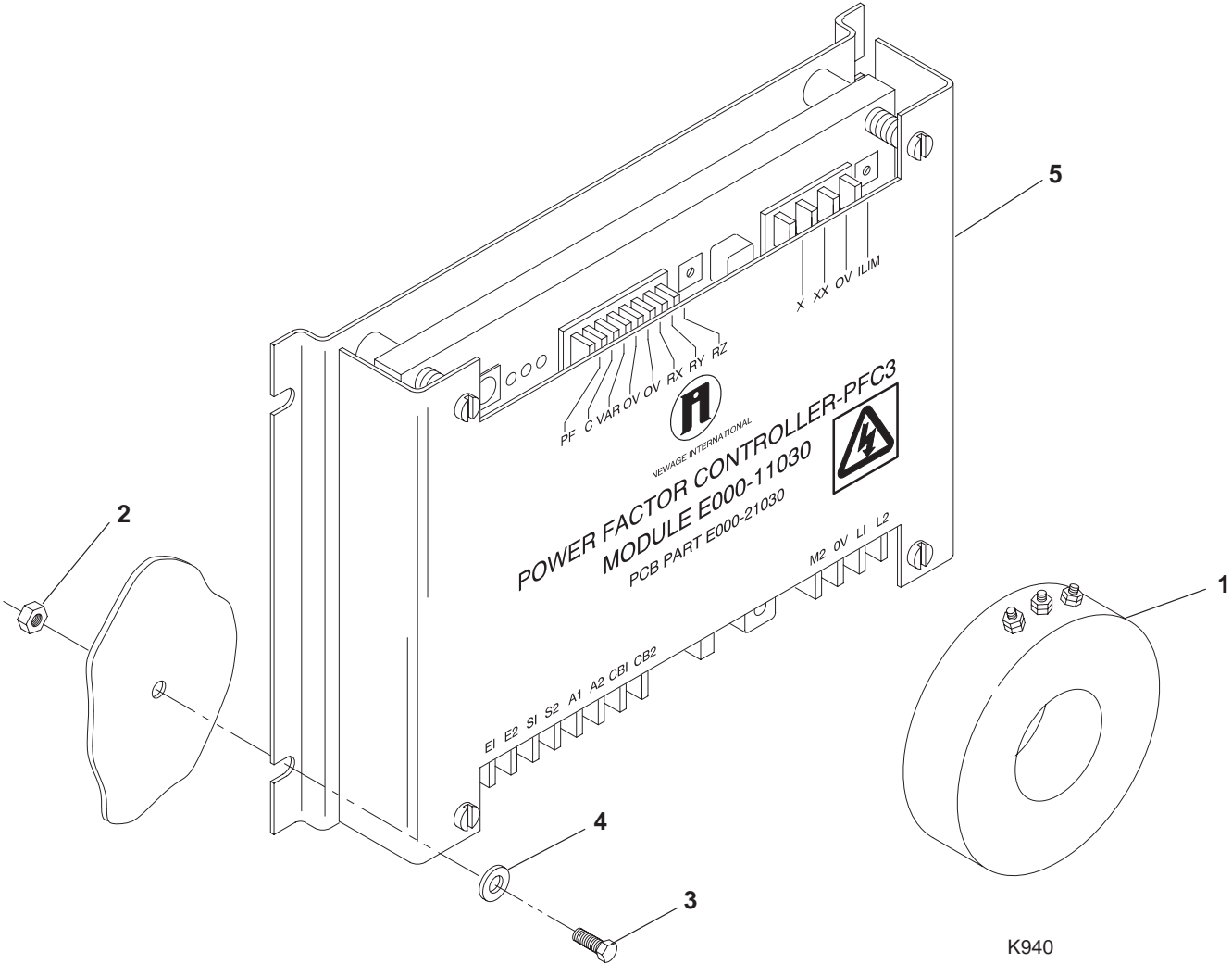
## Power Factor Meter



K264

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	302-1883	1	Meter, Power Factor (M25)	5	301-6987	1	Bracket, Mounting
2	815-0905-06	2	Screw, Pan Head - Cross Recessed (10-32 x 5/8) (#10-32 x 5/8")	6	402-0354	4	Mount, Shock
3	338-2368	1	Harness, Wiring - Meter (6 Wire, 44")	7	853-0008	8	Washer, Lock - W/ET (#10)
4	302-1833-03	1	Transducer, Power Factor (A21)	8	870-0221	8	Nut, Hex (#8-32)
				9	526-0115	2	Washer, Flat (5/16")
				10	870-0048	2	Nut, Locking (5/16-18)
				11	319-0030	1	Plate, Mounting

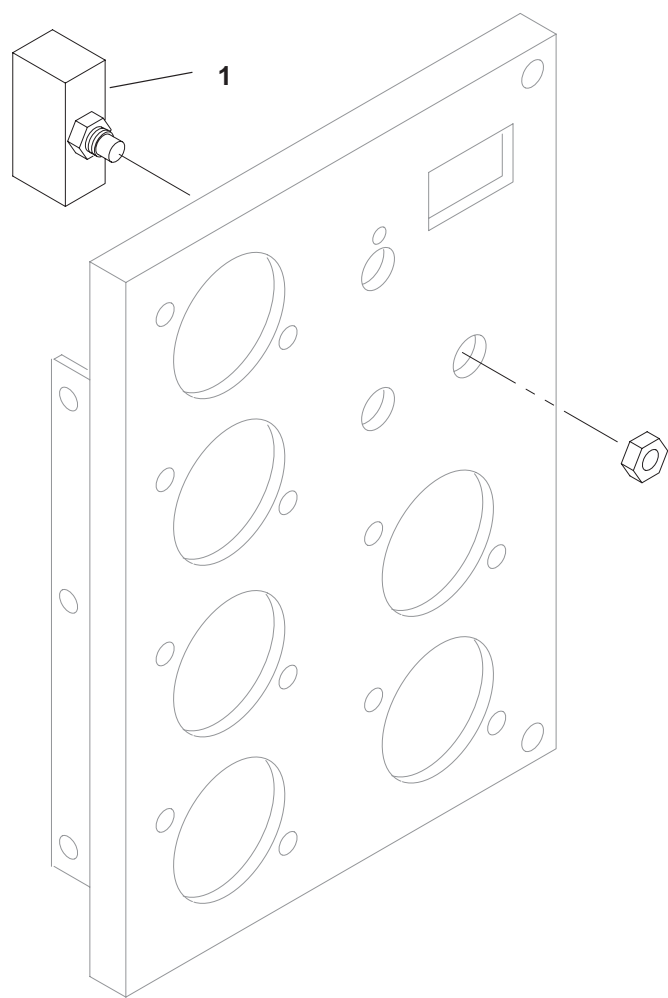
VAR Power Factor Controller



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	302-1845-05	1	Transformer, Current (CT25)	4	526-0008	4	Washer, Flat (#10)
	302-1794-13	1	Ratio 300/5	5	305-0870		Controller, Power Factor (VAR)
2	870-0131	4	Ratio 3000/5				
3	813-0103	4	Nut, Hex – W/EIT (#10-32)				
			Screw, Machine – Round Head (#10-32 x 3/4")				



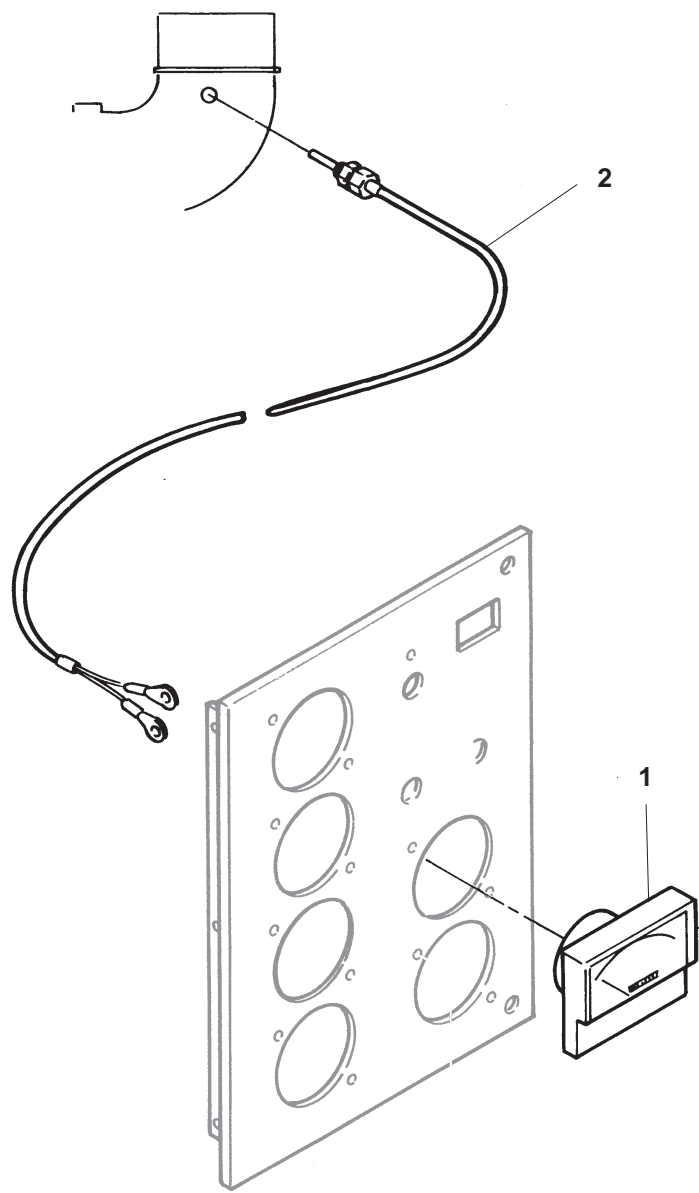
# **Circuit Breaker AC Control Door**



H529,546,547,K600

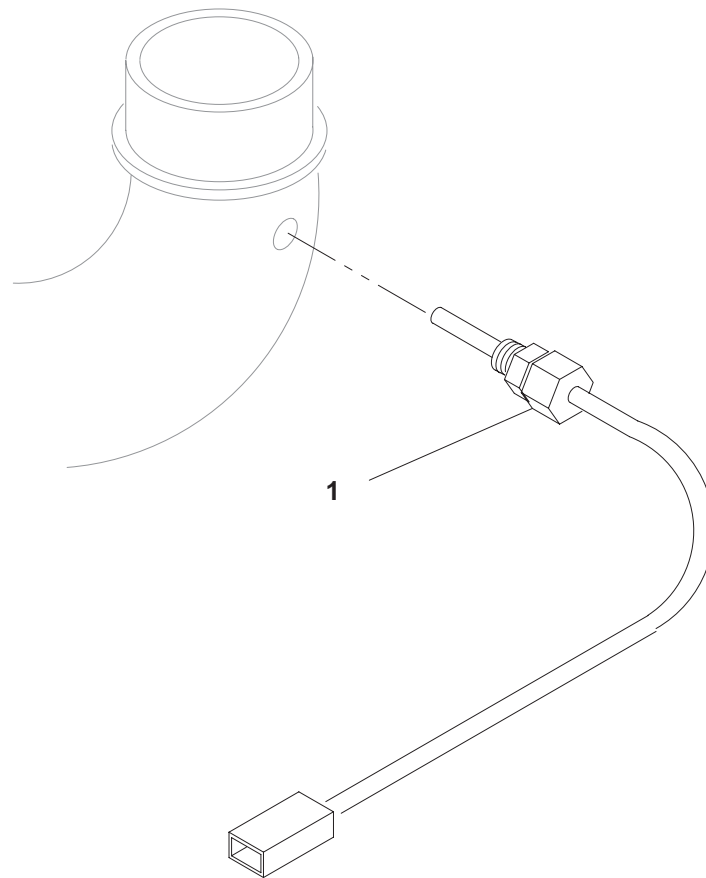
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Breaker, Circuit (CB21)				
	320-1688-01	1	Without Auxiliary Contacts				
	320-1688-02	1	With Auxiliary Contacts				

Pyrometer  
Generator Sets With Detector Control



				H244			
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	302-1874	1	Pyrometer (M26)	3	308-0987	1	Switch, Selector (Not Illustrated)
2	193-0299	1	Lead, Thermocouple				
	193-0299-01	1	140 Inches				
			200 Inches				

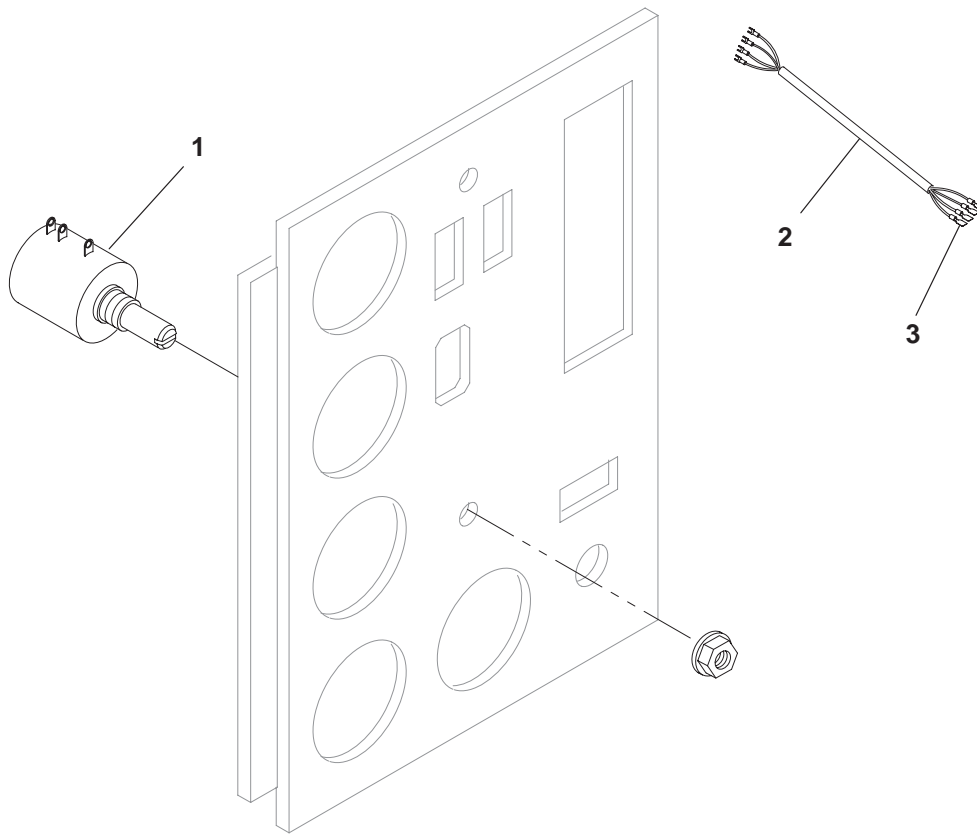
# Pyrometer Generator Sets With PowerCommand Control



H244

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Pyrometer				
	193-0446-02	1	30 Inches				
	193-0446-03	1	50 Inches				

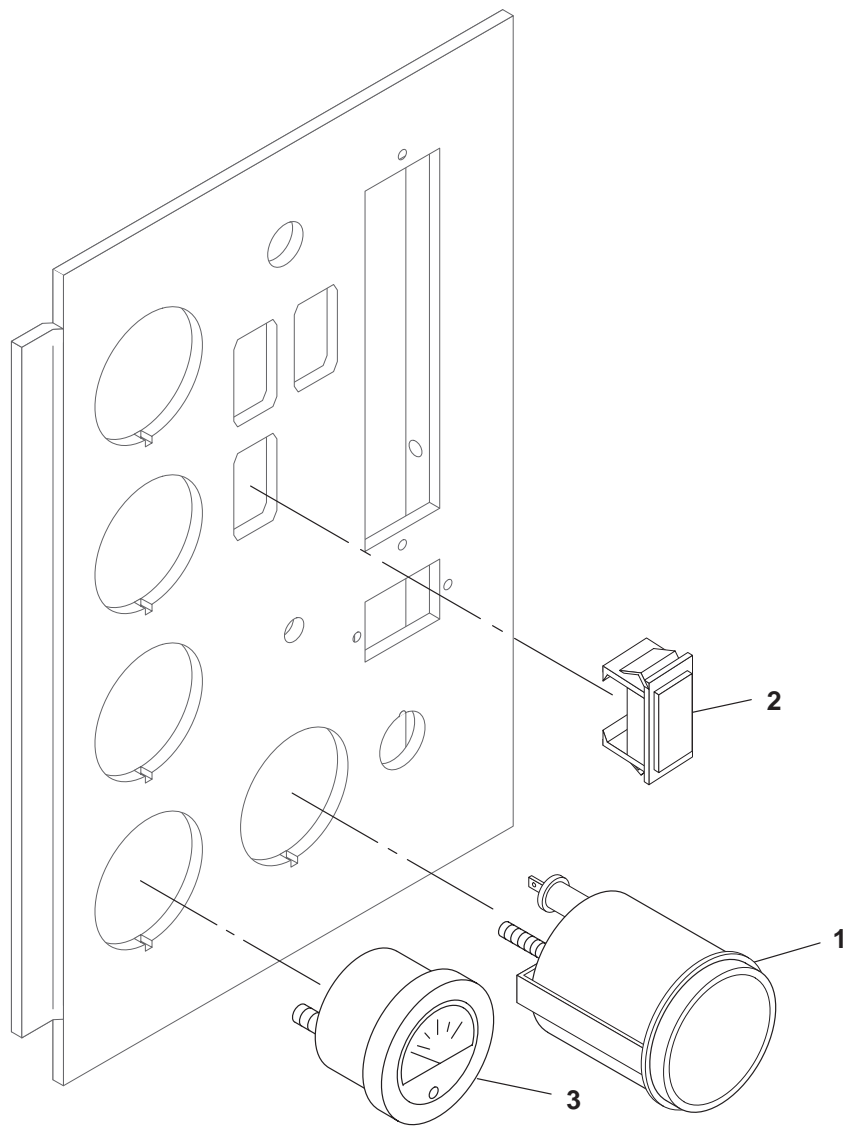
## Speed Potentiometer



A068,332,211,267

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	303-0280	1	Potentiometer, Speed With Cummins EFC Governor	2	334-0116	—	Cable, Shielded – Bulk (Order by the Foot – 7 Feet Required)
	303-0223-05	1	With Woodward Governor	3	332-2630	4	Terminal, Spade

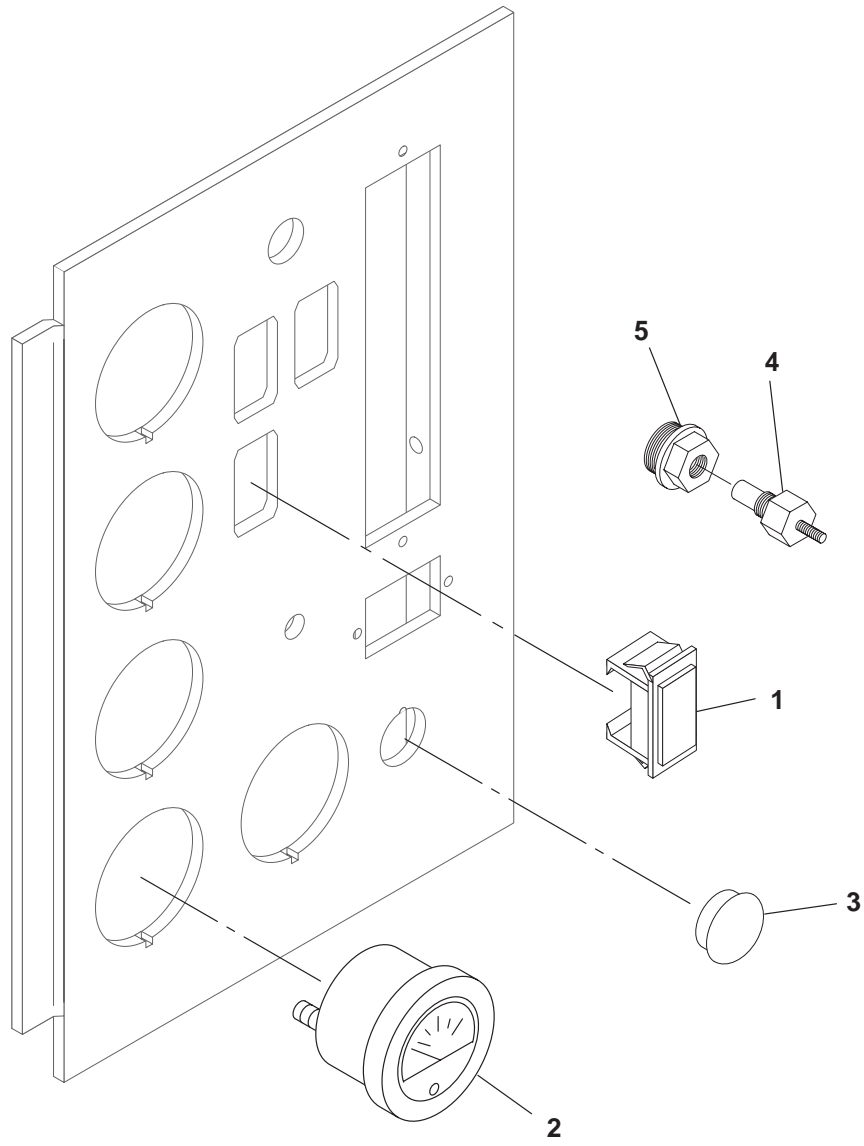
Tachometer



K145

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	302-1873-01	1	Tachometer (0-4000 RPM, 12 Volt) (M16)	2	301-6257	1	Switch, Blank
				3	302-1723	1	Ammeter – Blank Scale

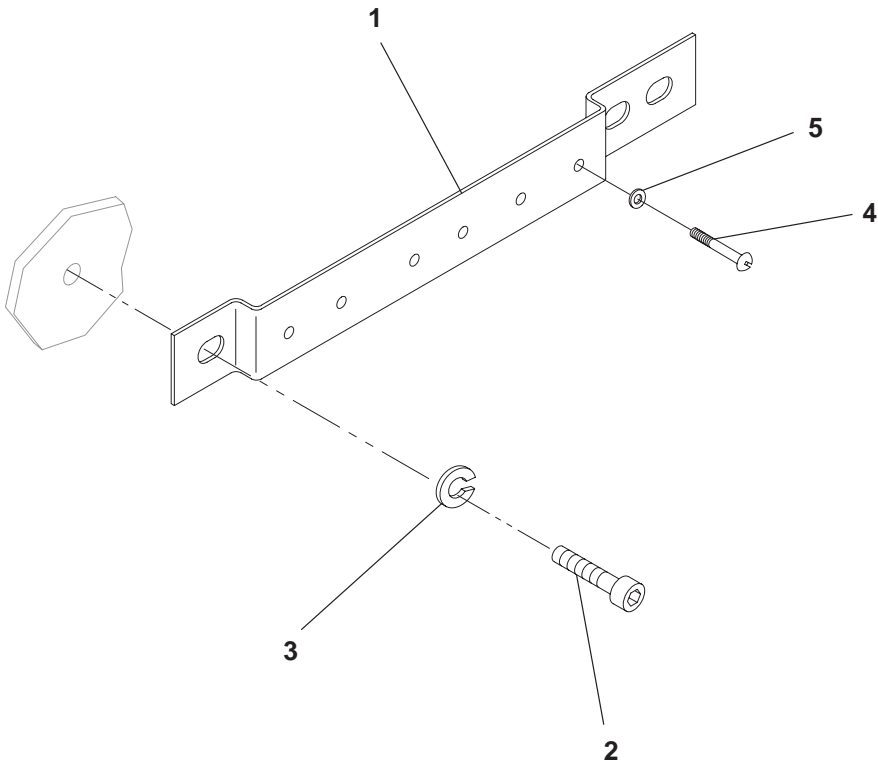
## Oil Temperature Gauge



K486

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	301-6257	1	Switch – Blank	5	505-0151	1	Bushing, Reducer (1/2" to 1/8")
2	193-0435	1	Gauge, Oil Temperature (M15)				(Oil Pan Mounted)
3	517-0137	1	Plug, Hole (7/8" Hole)	6	193-0250	1	Resistor (R13) (Not Illustrated)
4	193-0388	1	Sender, Oil Temperature (E4) (Oil Pan Mounted)				

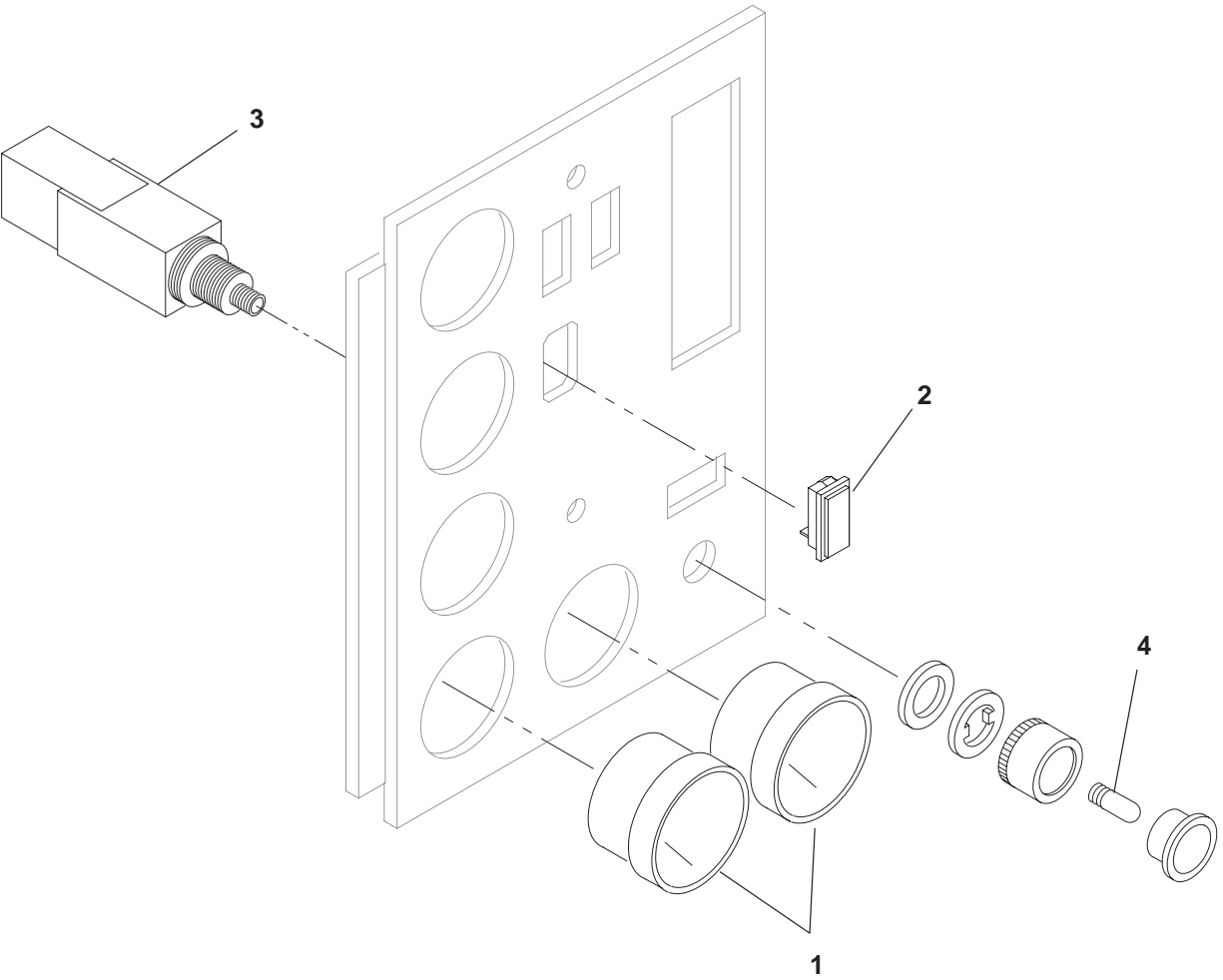
Resistive Temperature Detectors



B312,313,372

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-1293	1	Bracket	4	812-0070	4	Screw, Machine – Round Head (#6-32 x 1-1/4")
2	800-2080	2	Screw, Cap – Hex Head (M10 x 12)	5	526-0002	4	Washer, Flat (#6)
3	850-2010	2	Washer, Lock – Spring (M10)				

**Emergency Stop Switch  
Generator Sets With Detector Control**

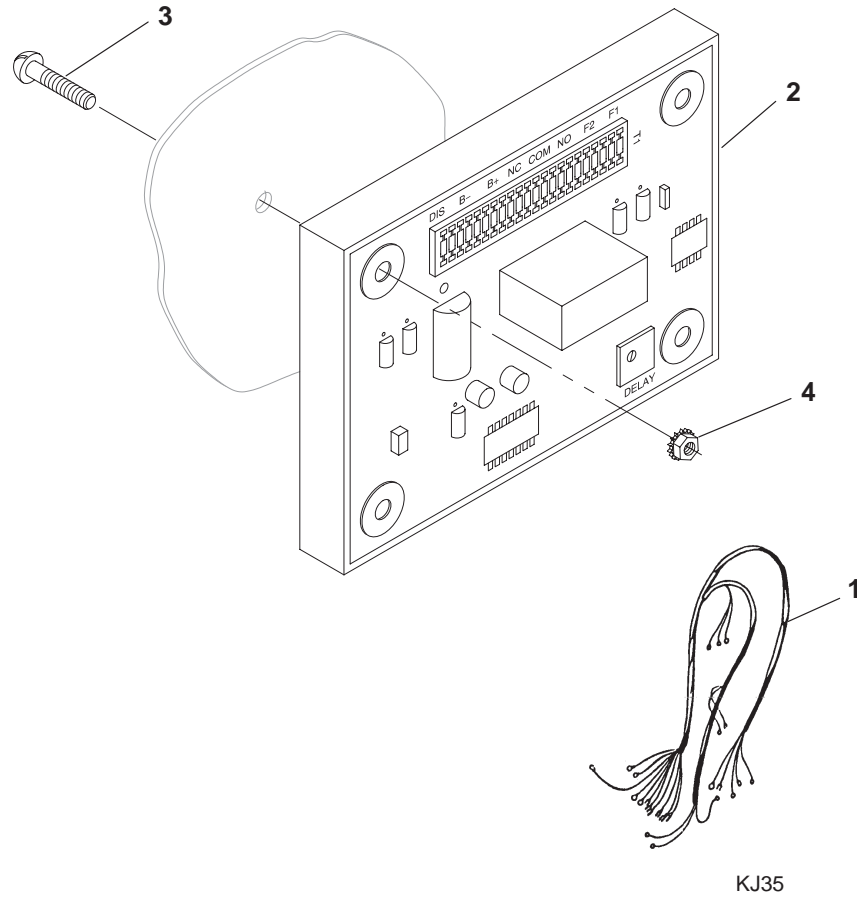


K796

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



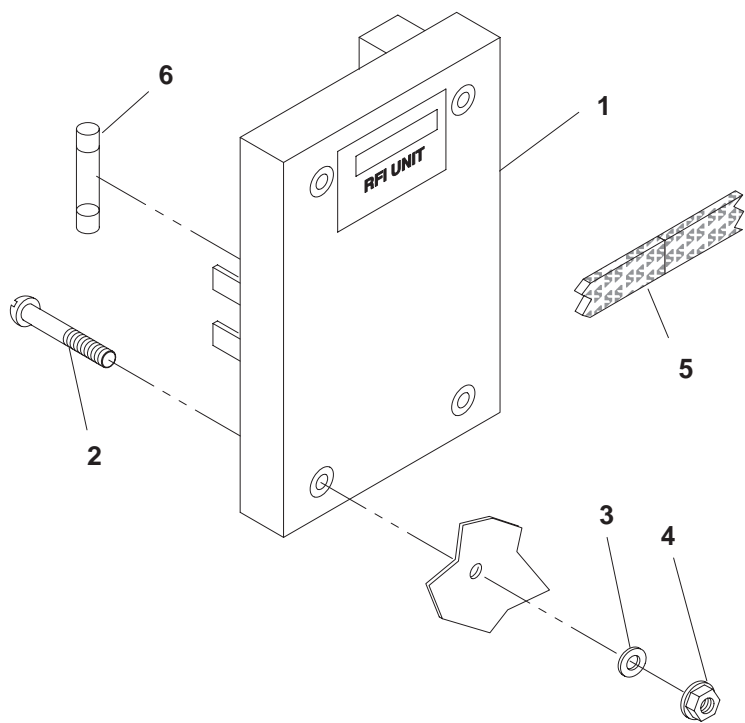
## Excitation Loss Module



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-2455	1	Harness, Wiring
2	305-0821-02	1	Module (ELM)
3	813-0103	4	Screw, Machine – Round Head (#10-32 x 3/4")

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	870-0131	4	Nut, Hex – W/ET (#10-32)

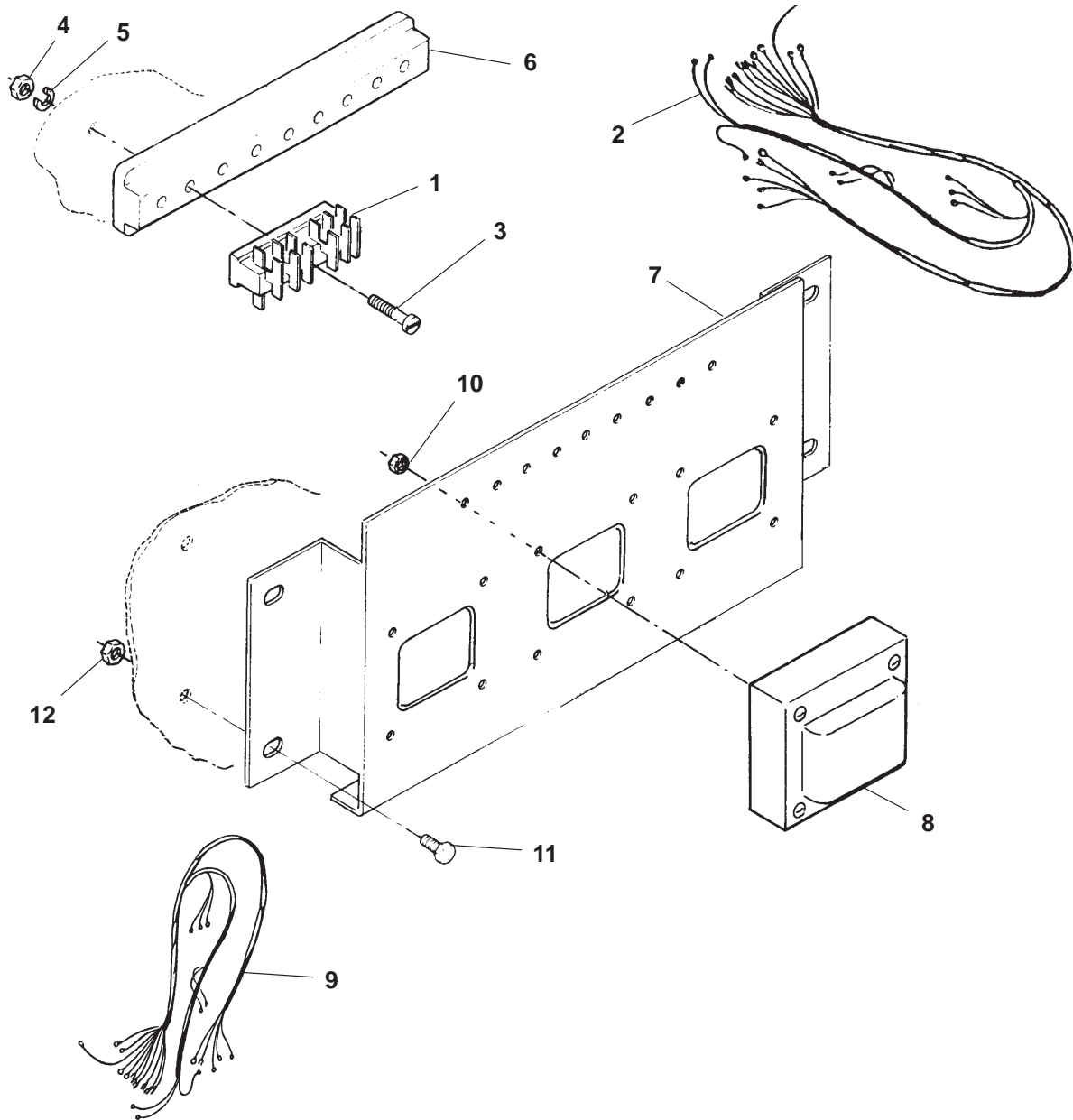
# Radio Frequency Interference Module



B220

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	314-0212	1	Module	5	314-0213	—	Shielding, Wire – Bulk (3" Wide) (Order By The Foot – 12 Feet Required)
2	813-0107	4	Screw, Machine – Round Head (#10-32 x 1-1/4")	6	321-0327-01	4	Fuse (5 Amp)
3	526-0008	4	Washer, Flat (#10)				
4	870-0131	4	Nut, Hex – W/ET (#10-32)				

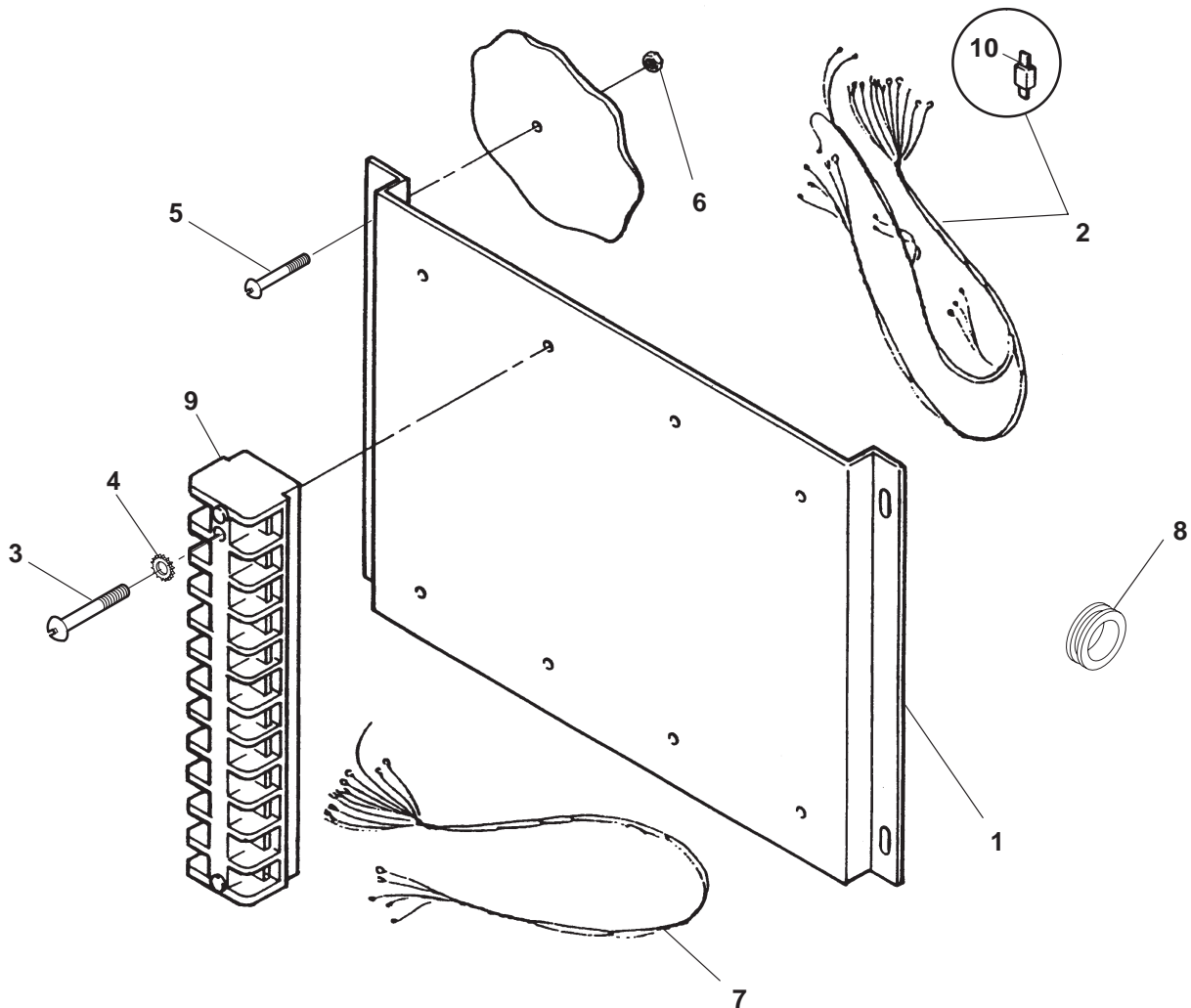
## Auxiliary Terminal Block



B372,B312,B313,B300,B301,B302

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-3007	3	Block, Terminal	8	315-0717-00	3	Transformer
2	338-2867	1	Harness, Wiring	9	338-3337	1	Harness, Wiring – Transformer
	338-3360	1	MV6-7 Generator Frame Size	10	870-0221	12	Nut, Hex – W/ET (#8-32)
3	812-0085	3	HC6-7 Generator Frame Size	11	821-0016	4	Screw, Self-Locking – Hex
			Screw, Machine – Round Head				Washer Head (5/16-18 x 3/4")
			(#8-32 x 1-1/8")	12	870-0257	4	Nut, Self-Locking – Hex
4	870-0221	3	Nut, Hex – W/ET (#8-32)				Washer Head (5/16-18)
5	850-0025	3	Washer, Flat				
6	232-3536	1	Base, Terminal Block				
7	319-1498	1	Bracket, Mounting – Transformer				

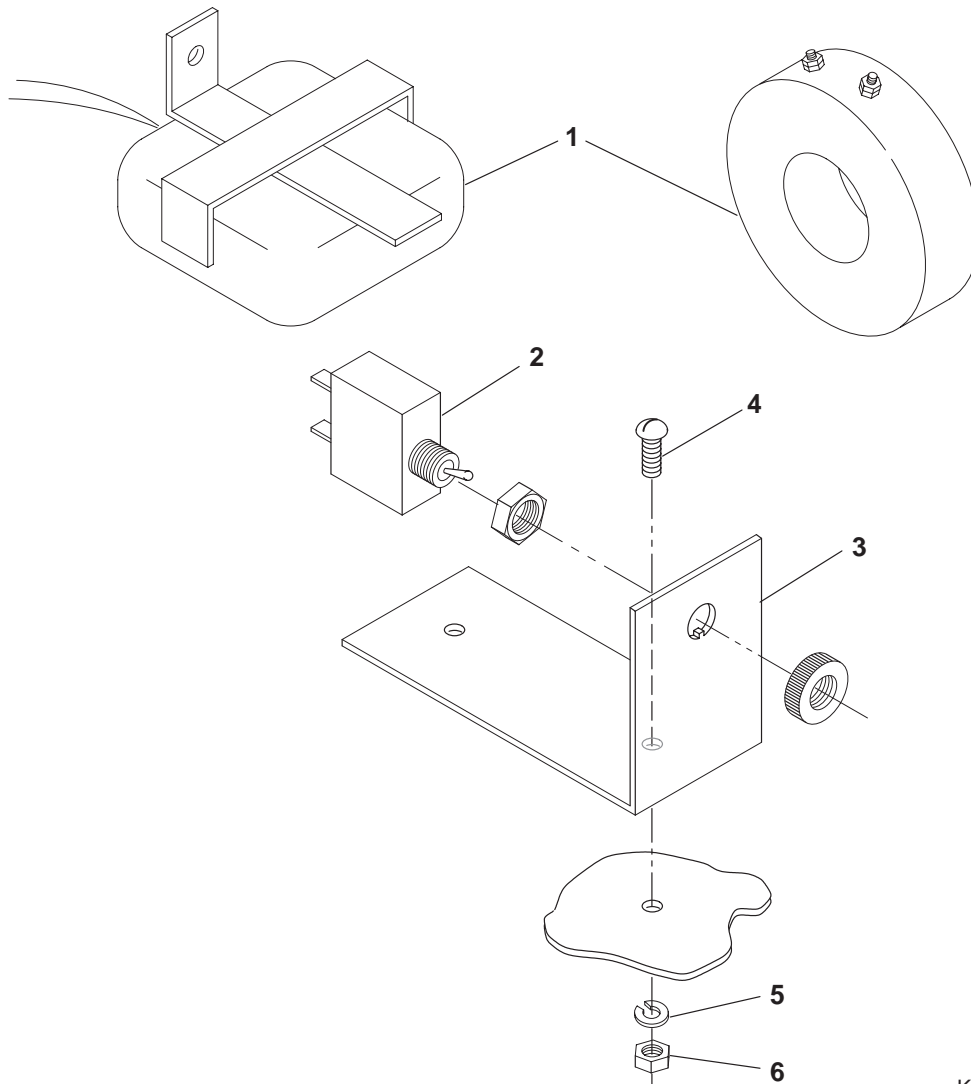
## Paralleling Interconnect Terminal Blocks



KJ35

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-1137	1	Panel, Mounting	6	870-0131	4	Nut, Hex – W/ET (10-32)
2	338-2590	1	Harness, Wiring – Paralleling	7	338-2172	1	Harness, Wiring – Governor
3	812-0085	8	Screw, Machine – Round Head (8-32 x 1-1/8)				(Shielded)
				8	508-0051	1	Grommet
4	853-0005	8	Washer, Lock – ET (#8)	9	332-2315	4	Block, Terminal
5	813-0100	4	Screw, Machine – Round Head (10-32 x 1/2)	10	357-0030	1	Diode

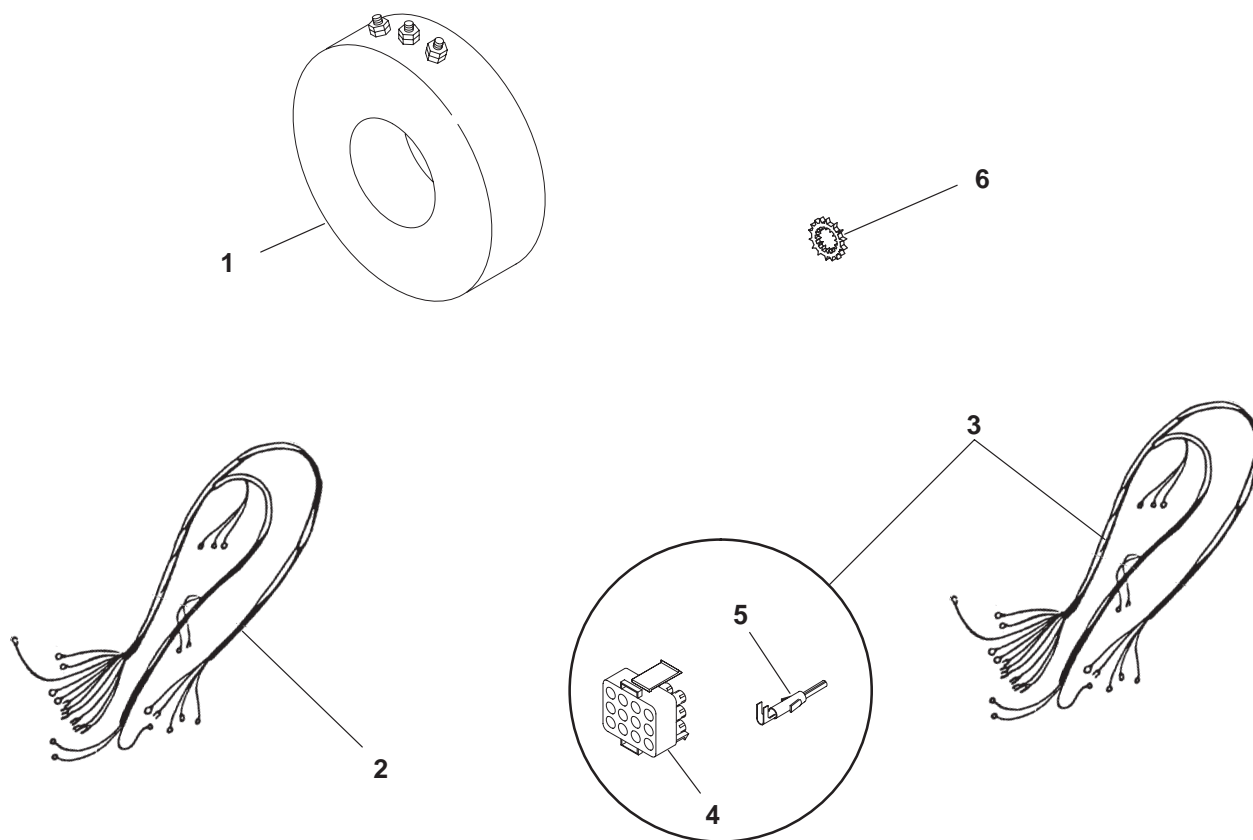
## Cross Current Compensation Circuit



K611,KJ35

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	302-1852-02	1	Transformer, Current – 600:0.37 Current	4	813-0100	2	Screw, Machine – Round Head (#10-32 x 1/2")
	302-1926-30	1	1667/1 Ratio	5	850-0030	2	Washer, Lock – Spring (#10)
2	308-0069	1	Switch, Toggle (S22)	6	870-0053	2	Nut, Hex (#10-32)
3	301-9657	1	Bracket, Mounting				

## Current Transformer

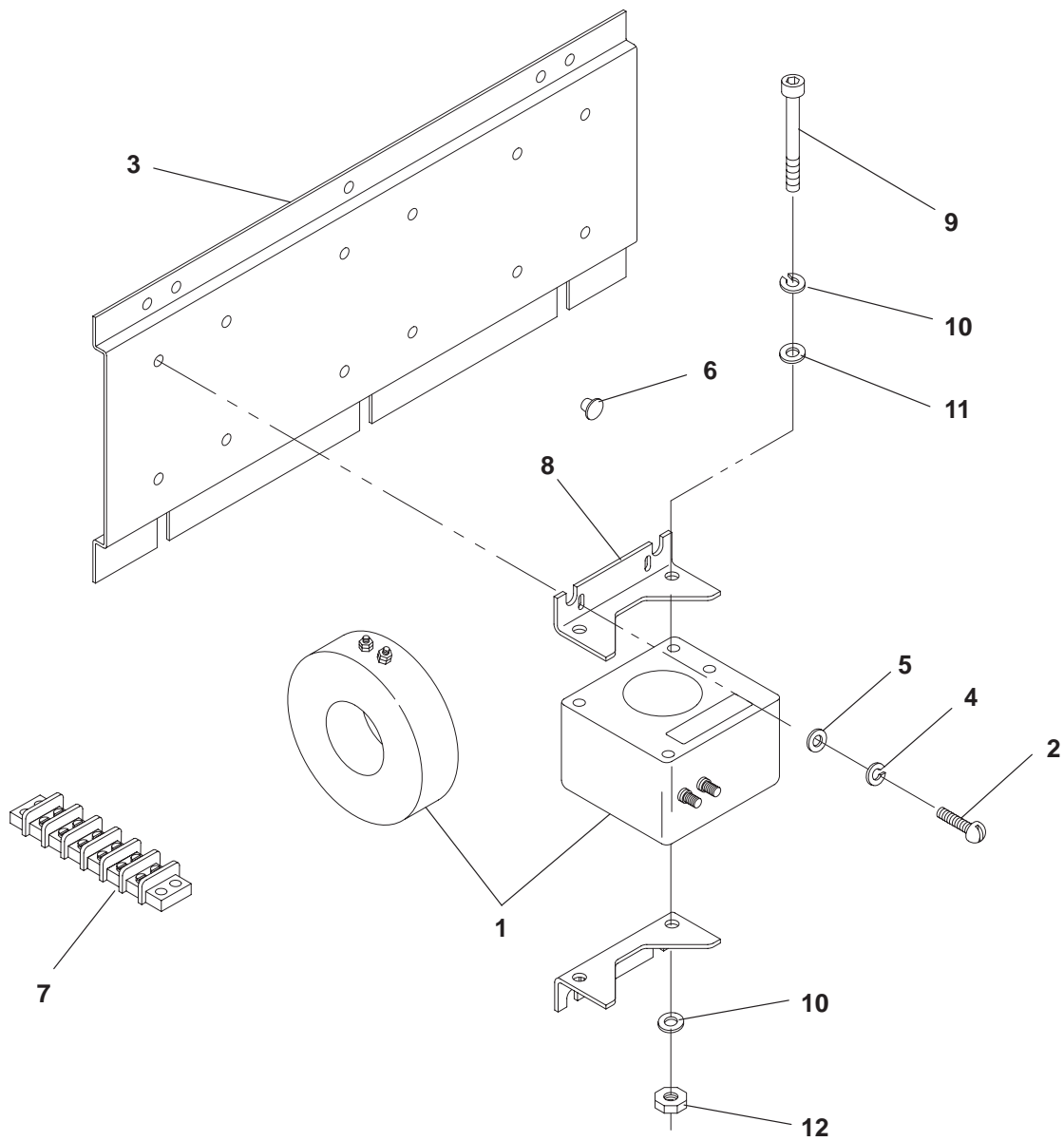


H530,532,555,K001

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Transformer, Current <b>Sets With Detector Control</b>	3	338-3019	1	Harness, Wiring –Current Transformer – Sets With PowerCommand Control (Includes Parts Marked *)
	302-1845-08	3	Ratio 375/5 or 750/5				
	302-1794-15	3	Ratio 3000/5 or 6000/5	4	323-1644-03 A/R		* Housing, Plug & Cap – 12 Place
			<b>Sets With PowerCommand Control</b>	5	323-1648	A/R	* Socket, Contact
	302-1926-11	3	Ratio 3470/1	6	856-0008	2	Washer, Lock – EIT (5/16") (Grounding Wires)
	302-1926-16	3	Ratio 4731/1				
2	338-2532	1	Harness, Wiring – Current Transformer – Sets With Detector Control				

\* – Parts Included in 338-3019 Wiring Harness

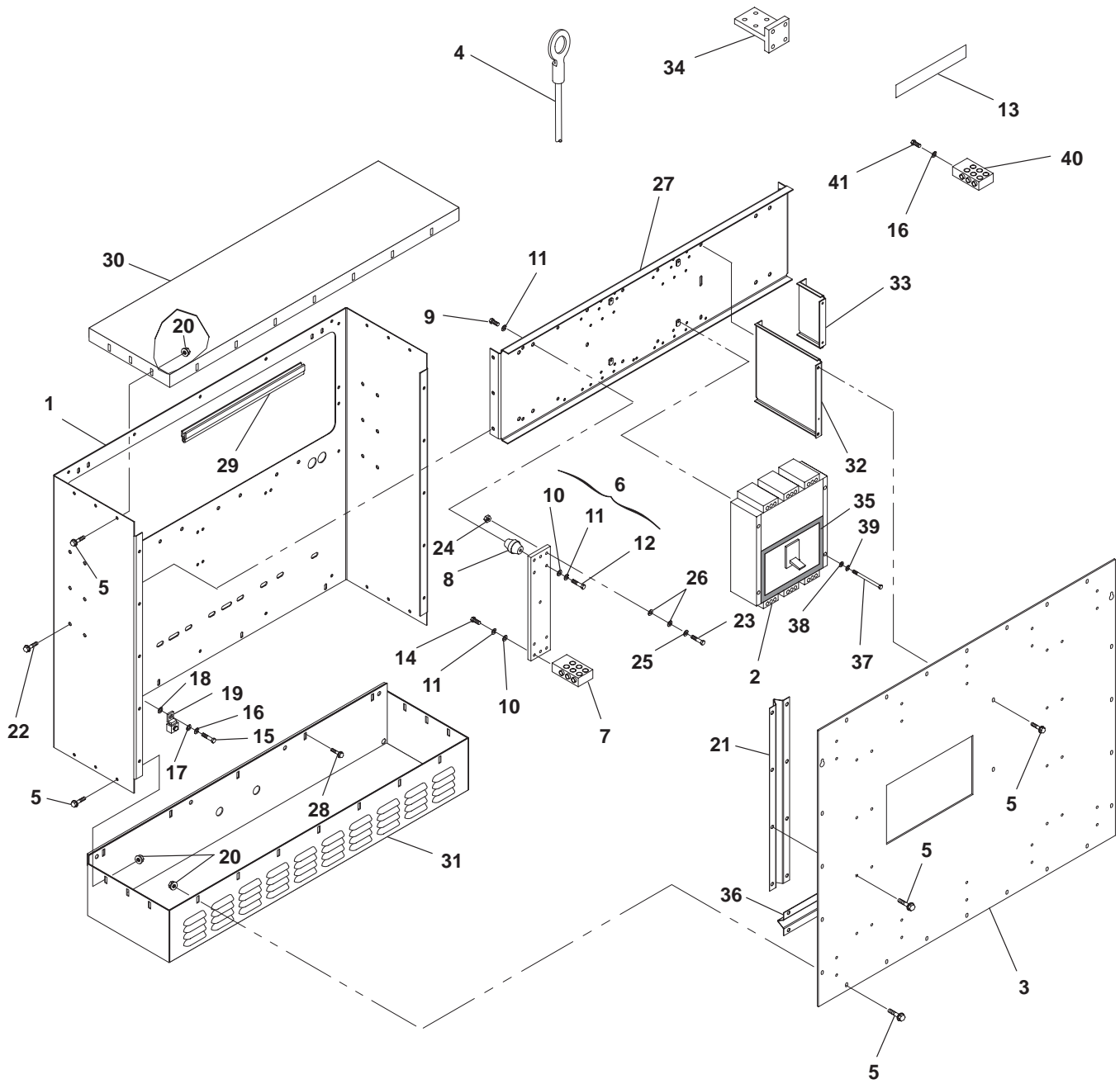
## Differential Current Transformer



K993

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	302-1961-14	3	Transformer, Current 2000:5 Ratio	7	332-3178-01	1	Block, Short Circuit (Includes Short Circuit Strips and Four Shorting Pins)
	302-1945-05	3	300:5 Ratio	8	319-3297	6	Bracket, Current Transformer
2	813-0098	12	Screw, Round Head (10-32 x 3/8)	9	800-0039	6	Screw, Cap – Hex Head (5/16-18 x 3-1/2)
3	319-1265	1	Bracket, Current Transformer	10	526-0022	12	Washer, Flat
4	850-0030	12	Washer, Lock (#10)	11	850-0045	6	Washer, Lock (5/16)
5	526-0008	12	Washer, Flat (#10)	12	862-0015	6	Nut, Hex (5/16-18)
6	517-0090	A/R	Plug, Tapered				

# Circuit Breaker UL Listed



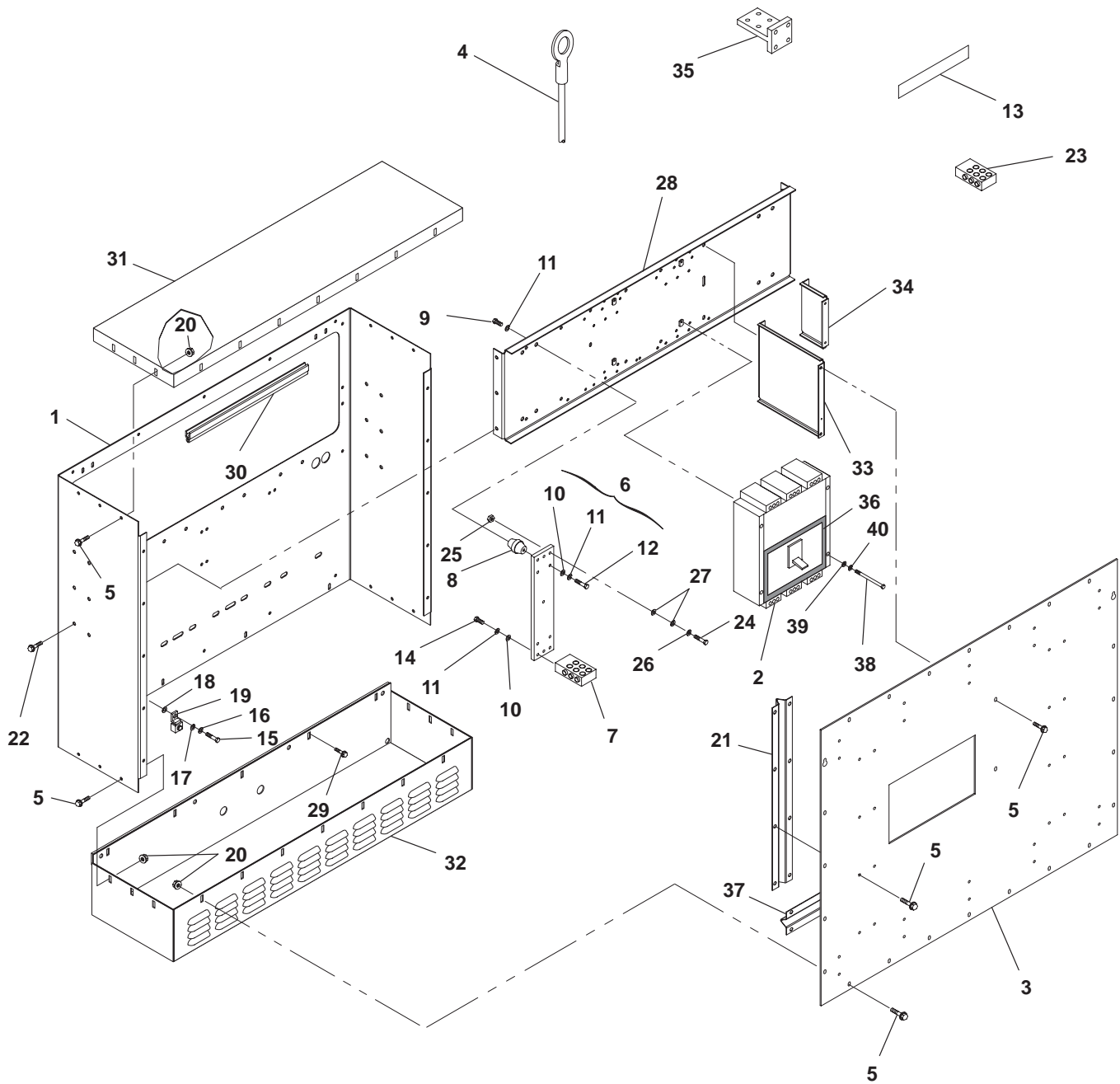


## Circuit Breaker UL Listed

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3184	1	Wrapper, Circuit Breaker	15	800-2086	1	Screw, Cap – Hex Head (M10 x 25mm)
2			Breaker, Circuit Standard	16			Washer, Lock (M10)
	320-1783-02	1	2000 Amp		850-2010	1	All Circuit Breakers Except 320-1907-01
	320-1783-03	1	2500 Amp		850-2010	10	Circuit Breaker 320-1907-01
			With Shunt Trip				
	320-1783-06	1	2000 Amp	17	526-2120	1	Washer, Flat (M10)
	320-1783-07	1	2500 Amp	18	856-0010	1	Washer – EIT
			With Auxiliary Contacts and Bell Alarm	19	332-2001	1	Lug, Solderless
	320-1783-19	1	2000 Amp	20	870-0504	26	Nut, Self-Retaining (M6)
	320-1783-20	1	2500 Amp	21	319-3286	2	Brace, Access Door (Vertical)
			With Shunt Trip, Auxiliary Contacts and Bell Alarm	22	821-6003-02	6	Screw, Hex Head (M8 x 20mm)
	320-1783-10	1	2000 Amp	23	800-2116	24	Screw, Cap – Hex Head (M12 x 50mm)
	320-1783-11	1	2500 Amp	24	860-2010	24	Nut, Hex (M12)
			With Molded Case Switch	25	850-2012	24	Washer, Lock – Spring (M12)
	320-1907-01	1	1600 Amp	26	526-2140	48	Washer, Flat (M12)
	320-1907-02	1	2000 Amp	27	319-3153	1	Bracket, Mounting
3	319-3266-01	1	Cover, Circuit Breaker Box	28	821-2035	5	Screw, Self-Locking – Hex Washer Head (M6 x 25mm)
4			Lead (Quantity Used As Required) (Without Markings)	29	508-1109	–	Edging – Bulk (Order By The Foot – 3 Feet Required)
			<b>6" Long Leads</b>	30	319-1961	1	Cover, Control Box (Top)
	226-4404-04	1	.375" Stripped Terminal End to .375" Stripped End	31	319-1925	1	Cover, Control Box (Bottom)
			<b>30" Long Leads</b>	32	319-3252-02	1	Brace, Cover
	226-4498-03	1	1/2" Ring Terminal End to 1/2" Ring Terminal End	33	319-3253-02	1	Brace, Circuit Breaker Mounting
			Screw, Hex Head (M6 x 16mm)	34			Bar, Bus (Sold in Packages of 3 Pieces)
5			All Circuit Breakers Except 320-1907-XX		337-2789	1	All Circuit Breakers Except 320-1907-01 (1 Piece Required)
	821-6002-03	85	Circuit Breaker 320-1907-XX		337-2789	2	Circuit Breaker 320-1907-01 (4 Pieces Required)
	821-6002-03	89		35	895-0182	–	Stripping, Weather – Bulk (Order by the Foot – 4 Feet Required)
6	300-4480	1	Bar Assembly, Neutral (Includes Parts Marked *)	36	319-3288	2	Brace, Access Door (Horizontal)
7	332-3303-01	1	* Lug – 6X 600 MCM	37	800-2063	4	Screw, Cap – Hex Head (M8 x 50mm)
8	332-2744-07	4	* Standoff, Insulator	38	526-2100	4	Washer, Flat (M8)
9	800-0048	4	* Screw, Cap – Hex Head (3/8-16 x 3/4")	39	850-2008	4	Washer, Lock – Spring (M8)
10	526-2120	7	* Washer, Flat (M10)	40	332-3303-01	3	Lug – 6X 600 MCM
11	850-2010	11	* Washer, Lock (M10)	41	800-2089	9	Screw, Cap – Hex Head (M8 x 20) – Circuit Breaker 320-1907-01
12	800-0052	4	* Screw, Cap – Hex Head (3/8-16 x 1-1/2")				
13	091-0002	1	* Strip, Copper (Used for wrapping ends of leads before securing to Circuit Breakers) (Quantity Used as Required)				
14	800-2089	3	* Screw, Cap – Hex Head (M10 x 40mm)				

\* – Parts Included in 300-4480 Neutral Bar Assembly

# Circuit Breaker Non-UL Listed



## Circuit Breaker Non-UL Listed

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3184	1	Wrapper, Circuit Breaker	14	800-2089	3	* Screw, Cap – Hex Head (M10 x 40mm)
2			Breaker, Circuit	15	800-2086	1	Screw, Cap – Hex Head (M10 x 25mm)
			<b>Three Pole Breakers</b>	16	850-2010	1	Washer, Lock (M10)
	320-1699-02	1	Standard	17	526-2120	1	Washer, Flat (M10)
			2000 Amp	18	856-0010	1	Washer, EIT
	320-1699-06	1	With Shunt Trip	19	332-2001	1	Lug, CSA Grounding – Solderless
			2000 Amp	20	870-0504	26	Nut, Self-Retaining (M6)
			With Shunt Trip,	21			Brace, Access Door (Vertical)
			Auxilliary Contacts and		319-3286	2	Three Pole Circuit Breakers
			Bell Alarm		319-3286	1	Four Pole Circuit Breakers
	320-1699-10	1	2000 Amp	22	821-6003-02	6	Screw, Hex Head (M8 x 20mm)
			<b>Four Pole Breakers</b>	23			Lug – 6X 600 MCM
			Standard		332-3303-01	3	Three Pole Circuit Breakers
	320-1699-23	1	2000 Amp		332-3303-01	4	Four Pole Circuit Breakers
			With Shunt Trip	24	800-2116	24	Screw, Cap – Hex Head (M12 x 50mm)
	320-1699-27	1	2000 Amp	25	860-2010	24	Nut, Hex (M12)
			With Shunt Trip,	26	850-2012	24	Washer, Lock – Spring (M12)
			Auxilliary Contacts and	27	526-2140	48	Washer, Flat (M12)
			Bell Alarm	28	319-3153	1	Bracket, Mounting
	320-1699-31	1	2000 Amp	29	821-2035	5	Screw, Self-Locking – Hex Washer Head (M6 x 25mm)
3			Cover, Circuit Breaker Box	30	508-1109	–	Edging – Bulk (Order By The Foot – 3 Feet Required)
	319-3266-01	1	Three Pole Circuit Breakers	31	319-1961	1	Cover, Control Box (Top)
	319-3266-02	1	Four Pole Circuit Breakers	32	319-1925	1	Cover, Control Box (Bottom)
4			Lead (Quantity Used As	33	319-3252-02	1	Brace, Cover
			Required) (Without	34	319-3253-02	1	Brace, Circuit Breaker Mounting
			Markings)	35	337-2789	1	Bar, Bus (Sold in Packages of 3 Pieces – 1 Piece Required)
			<b>6" Long Leads</b>	36		–	Stripping, Weather – Bulk (Order by the Foot)
	226-4404-04	1	.375" Stripped Terminal		895-0182	–	Three Pole Circuit Breakers (4 Feet Required)
			End to .375" Stripped		895-0182	–	Four Pole Circuit Breakers (6 Feet Required)
			End				
			<b>30" Long Leads</b>				
	226-4498-03	1	1/2" Ring Terminal End				
			to 1/2" Ring Terminal				
			End				
5			Screw, Hex Head (M6 x 16mm)				
	821-6002-03	89	Three Pole Circuit Breakers				
	821-6002-03	81	Four Pole Circuit Breakers				
6	300-4480	1	Bar Assembly, Neutral – Three Pole Circuit Breakers (Includes Parts Marked *)				
7	332-3303-01	1	* Lug – 6X 600 MCM				
8	332-2744-07	4	* Standoff, Insulator	37	319-3288	2	Brace, Access Door (Horizontal)
9	800-0048	4	* Screw, Cap – Hex Head (3/8-16 x 3/4")	38	800-2063	4	Screw, Cap – Hex Head (M8 x 50mm)
10	526-2120	7	* Washer, Flat (M10)	39	526-2100	4	Washer, Flat (M8)
11	850-2010	11	* Washer, Lock (M10)	40	850-2008	4	Washer, Lock – Spring (M8)
12	800-0052	4	* Screw, Cap – Hex Head (3/8-16 x 1-1/2")				
13	091-0002	1	* Strip, Copper (Used for wrapping ends of leads before securing to Circuit Breakers) (Quantity Used as Required)				

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

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