

Parts Catalog

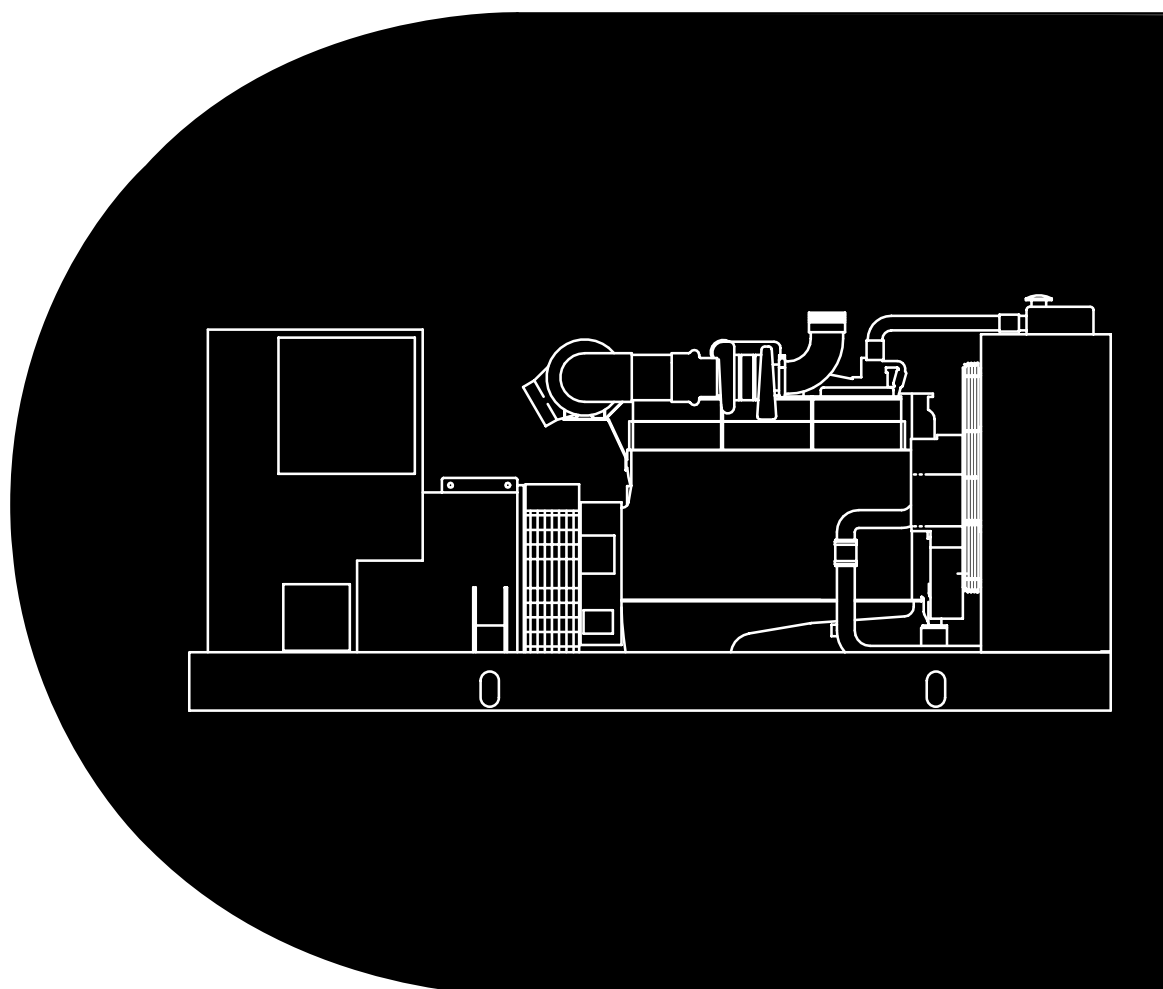
Models

DFGA (Spec A04)

DFGB (Spec A05)

DFGC (Spec A06)

GENERATOR SET



Printed in U.S.A.

960-0259B 902001
Replaces (Spec A) 3-91

Supplement 960—1075

Date: 10—01—2007

Insert with-

Title: DFGA, DFGB, DFGC Parts Catalog

Number: 960—0259B

PURPOSE

This publication adds supplementary information to the following pages of the DFGA, GB, GC Parts Catalog.

Pages: 49 – Changed Item 2 to 130–3588–02.

SUPPLEMENT USE

Refer to the corresponding pages of your manual and write “IMPORTANT: REFER TO SUPPLEMENT”.

Please keep this supplement with the Parts Catalog (960–0259B).

Radiator Begin Spec F

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-4354	1	Radiator (Includes Cap, Sight Gauge And Overflow Hose) (Also Includes Cover Plates, Gaskets, Screws And Lock Washers For All Water Outlets)	37			Fan, Radiator – 8 Blade 48"
					130-4536	1	56"
					130-4537	1	
				38	800-0108	6	Screw, Cap – Hex Head (1/2-13 x 6-1/2")
2	130-3588-02	1	Cap, Radiator	39	130-3832-01	1	Guard, Fan – Right Side
3	130-3836	2	Bracket, Support	40	130-3832-02	1	Guard, Fan – Left Side
4	130-3701	2	Bracket, Support	41	130-1419	2	Flange, Radiator – Top and Bottom
5	130-3702	2	Support, Radiator	42	130-3215	2	Flange, Radiator – Sides
6	130-3644	2	Support	43	821-0010	8	Screw, Self-Locking – Hex Washer Head (1/4-20 x 1/2")
7	130-3700	4	Bracket				
8			Wrapper, Fan				
	130-3834	2	Used With 48" Fan	44	130-3839-01	1	Guard, Belt – Right Side
	130-3833	2	Used With 56" Fan	45	130-3839-02	1	Guard, Belt – Left Side
9	130-3835	2	Shroud, Fan	46	130-3840	1	Guard, Belt – Top
10	503-1872-07	4	Clamp, Hose	47	130-3841	1	Guard, Belt – Bottom
11	130-4659	1	Tube, Radiator – Outlet	48	130-3844	1	Guard, Belt – Bottom Back
12	503-0856	2	Hose, Radiator – Lower (3-1/2" ID x 5-1/2")	49	130-3845	1	Guard, Belt – Top Back
				50	130-3842	1	Guard, Belt – Front
13	130-1206	2	Tube, Radiator – Inlet	51	130-3843	1	Guard, Belt – Side
14	503-1728	4	Hose, Radiator – Upper (3" ID x 5-1/2")	52	130-3849	1	Bracket
				53	130-3848	2	Bracket
15	503-1872-05	8	Clamp, Hose	54	130-3660-01	3	Spacer, Shock Absorber
16	503-1872-01	4	Clamp, Hose	55	501-0585	2	Line, Flexible (1/4" ID x 49")
17	821-5002-03	58	Screw, Self-Locking – Hex Washer Head (1/4-20 x 1/2")	56	130-1222	1	Adapter, Outlet
				57	130-1193	1	Gasket, Outlet Adapter
				58	505-0759	1	Adapter, Pipe to Hose (1" Pipe to 1" Hose)
18	821-5003-01	24	Screw, Self-Locking – Hex Washer Head (5/16-18 x 1/2")	59	870-0437	2	Nut, Locking – Hex Head (7/16-14)
19	815-0384	8	Screw, Thread Forming – Hex Washer Head (3/8-16 x 3/4")	60	526-0399-19	17	Washer, Flat (3/8")
				61	332-2634	2	Clamp, Hose
				62	870-0494	4	Nut, Captive – Floating (1/4-20)
20	821-5004-02	20	Screw, Self-Locking – Hex Washer Head (3/8-16 x 3/4")	63	130-3850	1	Angle, Engine
				64	130-3851	1	Angle, Stiffener
21	870-0550-09	16	Nut, Locking – Hex (3/8-16)	65	800-0092	12	Screw, Cap – Hex Head (1/2-13 x 1-1/2")
22	821-5004-03	14	Screw, Self-Locking – Hex Washer Head (3/8-16 x 1")	66	505-0100	1	Nipple, Pipe (1/2" x 1-1/8")
23	800-0094	6	Screw, Cap – Hex Head (1/2-13 x 2")	67	526-0141	2	Washer, Flat (7/16")
				68	504-0011	1	Valve, Shutoff
24	850-0060	18	Washer, Lock – Spring (1/2")	69	505-0185	1	Nipple, Pipe – Half (1/2" x 1-1/2")
25	526-0219	24	Washer, Flat (1/2")				
26	403-2733-01	4	Washer, Bevel (1/2")	70	800-0056	1	Screw, Cap – Hex Head (3/8-16 x 2-1/2")
27	862-0016	18	Nut, Hex (1/2-13)				
28	800-0156	2	Screw, Cap – Hex Head (3/4-10 x 2-1/4")	71	850-0050	1	Washer, Lock – Spring (3/8")
				72	526-0174	2	Washer, Flat (3/8") (Used As Spacers)
29	526-0027	4	Washer, Flat (3/4")	73	800-0075	2	Screw, Cap – Hex Head (7/16-14 x 2")
30	850-0079	2	Washer, Lock – Spring (3/4")				
31	862-0008	2	Nut, Hex (3/4-10)				
32	130-4660	1	Tube, Fill	74	130-4362	1	Kit, Gauge – Safety Sight – Radiator (Includes Glass Bulb and O-Ring)
33	503-1634	1	Hose (1" ID x 4")				
34	518-0548-20	1	Clamp, Hose				
35	800-0053	1	Screw, Cap – Hex Head (3/8-16 x 1-3/4")	75	503-1418	-	Hose, Overflow – Bulk (1/4" ID) (Order By The Foot – 7 Feet Required)
36	503-1779	-	Hose – Bulk (1" ID) (Order By The Foot – 1 Foot Required)				

MODEL IDENTIFICATION

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

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

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

MODEL AND SPEC NO.

SERIAL NO.

DIGITAL CONTROL SOFTWARE VERSION
AND DATE (IF APPLICABLE)

SAFETY PRECAUTIONS

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



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



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



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

PRODUCT SAFETY PRECAUTIONS



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



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



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



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

PSP01

Introduction

This catalog applies to Cummins Power Generation Generator Models DFGA, DFGB and DFGC 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 unless noted in the description column.

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

Replacement Engine

Cummins Power Generation Generator Model	Cummins Engine Model
DFGA, DFGB DFGC	VTA28-G5 VTA28-G3

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

Generator Set Data Table

Model and Specification	Electrical Data					Battery Voltage
	Watts	Volts	Hertz	Wire	Phase	
450DFGA/*	450,000	#	50	6,12	1 or 3	24VDC
500DFGA/*	500,000	#	60	6,12	1 or 3	24VDC
550DFGB/*	550,000	#	50	6,12	1 or 3	24VDC
600DFGB/*	600,000	#	60	6,12	1 or 3	24VDC
550DFGC/*+	550,000	#	50	6,12	1 or 3	24VDC

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

+ - Model DFGC was discontinued after Spec A

- Broad range reconnectible

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Abbreviations

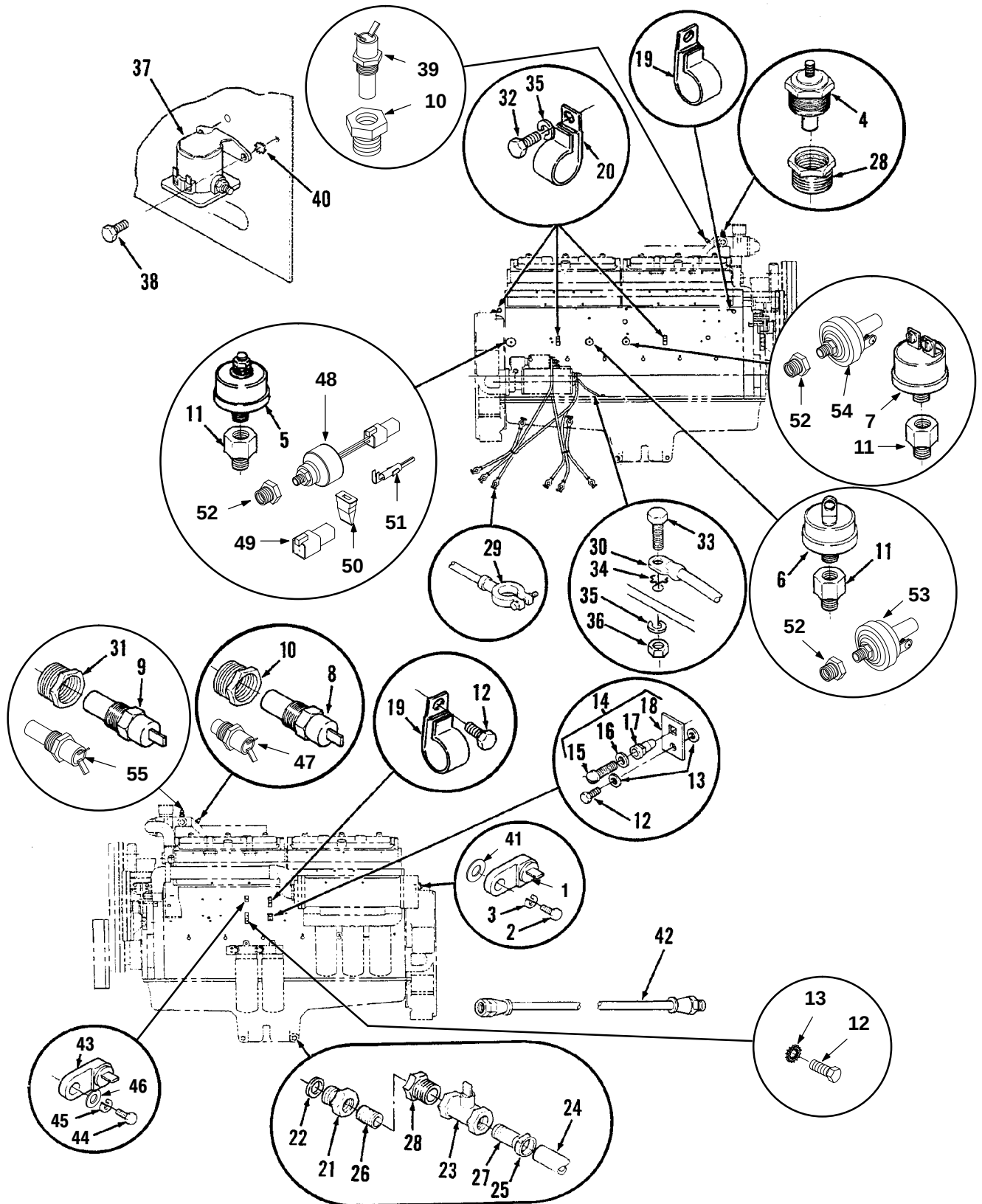
Some of the following abbreviations may be used throughout this Parts Catalog:

AC	Alternating Current	mm	Millimeter
Amp	Ampere	MOH	Mobile Off Highway
A/R	As Required	NFS	Not For Sale
AVR	Automatic Voltage Regulator	NPT	National Pipe Thread
AWG	American Wire Gauge	OD	Outside Diameter
DC	Direct Current	oz.	Ounce
Deg	Degree	PC	Printed Circuit
EFC	Electronic Fuel Control	Ph	Phase
EIT	External/Internal Tooth	PMG	Permanent Magnet Generator
EPROM	Erasable Programmable Read Only Memory	PT/CT	Potential Transformer/Current Transformer
ET	External Tooth	RFI	Radio Frequency Interference
GFI	Ground Fault Interrupter	RT	Right
ID	Inside Diameter	Spec	Specification
IEC	International Electrotechnical Commission	Thk	Thick
IT	Internal Tooth	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)				Cummins Beige Enamel
	525-0305	-	12 oz. Pressurized Spray Can		525-0551-02	-	12 oz. Pressurized Spray Can
	525-0306	-	Quart Can		525-0551-03	-	Quart Can
	525-0304	-	Gallon Can		525-0551-04	-	Gallon Can
					518-0601	-	Sealant, Thread (6 ml Tube)

External Engine Parts Generator Sets With Detector Control

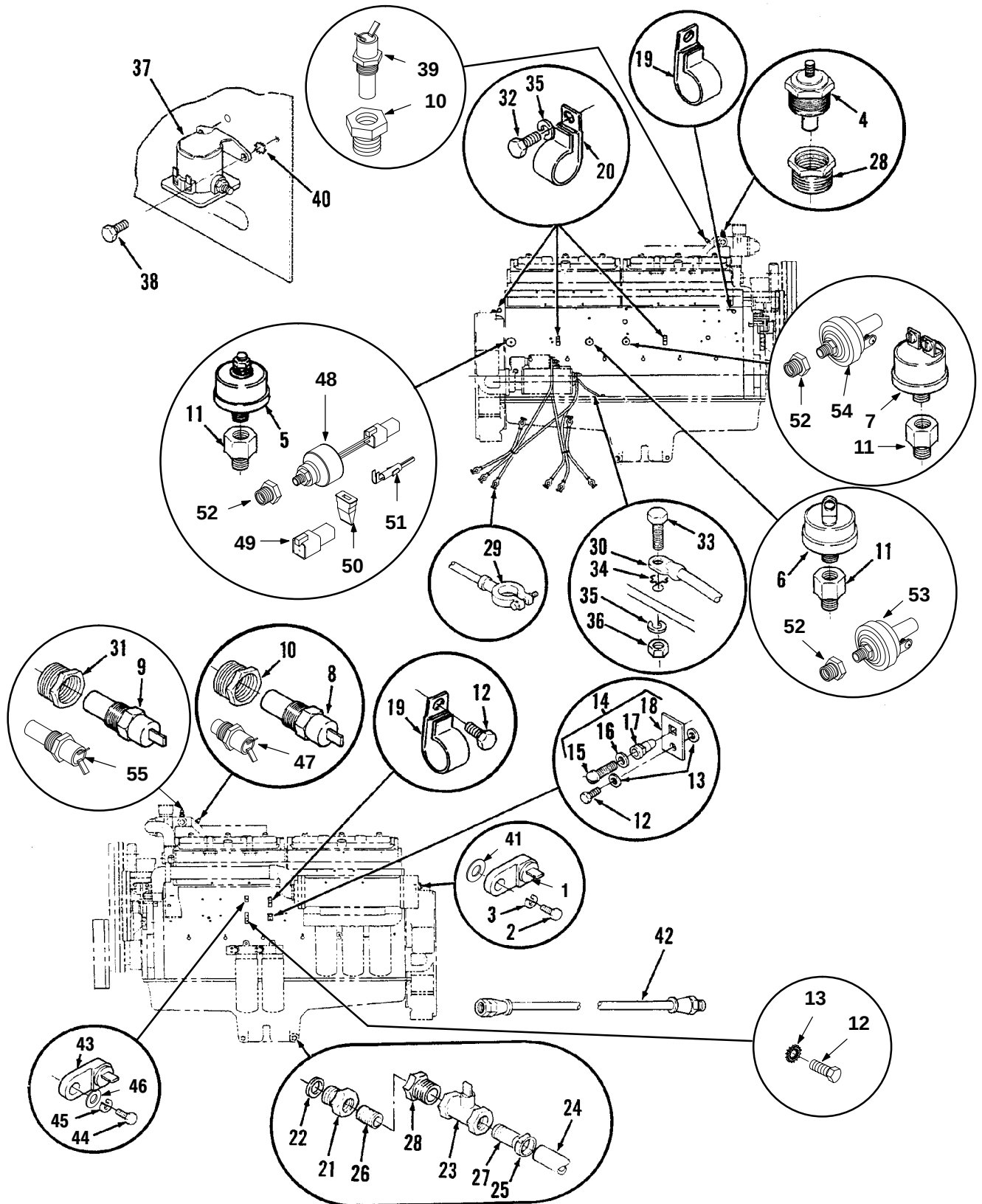


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External Engine Parts Generator Sets With Detector Control

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	309-0269	1	Switch, Temperature - Low Engine Coolant (S4) Spec A and B	27	505-0324	1	Nipple, Pipe - Half (3/4" x 2")
2	800-0062	1	Screw, Cap - Hex Head (3/8-16 x 4") Spec A and B	28	505-0021	1	Bushing, Pipe - Reducer Oil Drain (3/4" to 1/2") Switch Mounting
3	850-0050	1	Washer, Lock - Spring (3/8") Spec A and B		505-0021	1	Spec A Through E (3/4" to 1/2")
4	193-0375	1	Sender, Water Temperature (E2) Spec A Through E		505-0131	1	Spec F Through H (3/4" to 3/8")
5	193-0244	1	Sender, Oil Pressure (E1) Spec A Through E	29			Cable, Battery
6	309-0272	1	Switch, Oil Pressure (Closes at 20 Lbs Descending) (S5 - Pre-Alarm) Spec A and B		416-0446	2	12-1/2" - Jumper
7	309-0561	1	Switch, Oil Pressure (Opens at 14 Lbs Descending) Spec A Through E (S1)		416-0964	2	35°
8	309-0437	2	Switch, Thermostat - High Engine Coolant Temperature (Opens at 202 Deg F - Closes at 222 Deg F) (S2) Spec A Through E		416-0639	2	60°
9	309-0436	2	Switch, Thermostat - High Engine Coolant Temperature (Opens at 196 Deg F - Closes at 216 Deg F) (S6 - Pre-Alarm) Spec A Through E	30	416-0680	1	Cable, Starter (10")
10			Bushing, Pipe - Reducer (1/2" to 3/8")	31	505-0131	2	Bushing, Pipe - Reducer (3/4" to 3/8")
	505-0019	2	Spec A Through E	32	800-0090	4	Screw, Cap - Hex Head (1/2-13 x 1")
	505-0019	1	Spec F Through H	33	800-0093	1	Screw, Cap - Hex Head (1/2-13 x 1-3/4")
11	502-0175	3	Adapter, Pipe (1/8")	34	856-0013	1	Washer, Lock - EIT (1/2")
12			Screw, Locking - Hex Washer Head (3/8-16 x 3/4")	35	850-0060	5	Washer, Lock - Spring (1/2")
	821-0029	2	Spec A Through E	36	862-0016	1	Nut, Hex (1/2-13)
	821-5004-02	3	Spec F Through H	37	307-2167	1	Relay, Solenoid - Start
13			Washer, Lock - EIT (3/8")	38	821-0010	2	Screw, Locking - Hex Washer Head (1/4-20 x 1/2")
	856-0010	2	Spec A Through E	39	309-0651-02	1	Switch, Thermostat - High Engine Coolant Temperature (Opens at 190 Deg F - Closes at 214 Deg F) (S6 - Pre Alarm) Spec F Through H
	856-0010	1	Spec F Through H	40	856-0006	1	Washer, Lock - EIT (1/4")
14	332-1292	1	Terminal Assembly (Includes Parts Marked *) (T26)	41	526-0066	1	Washer, Flat (3/8") Spec A and B (Not Used On All Models)
15	809-0036	1	* Screw, Sheet Metal - Round Head (#8 x 7/8")	42			Line, Fuel - Flexible
16	508-0015	1	* Washer, Fiber		501-0217	1	5/8" ID x 52" (Fuel In)
17	870-0196	1	* Nut, Insulation		501-0211	1	1/2" ID x 65" (Fuel Out)
18	332-1281	1	* Bracket, Terminal	43	309-0269	1	Switch, Temperature - Low Engine Coolant (S4) Begin Spec C
19	332-2634	2	Clamp, ^a J°	44	800-0051	1	Screw, Cap - Hex Head (3/8-16 x 1-1/2") Begin Spec C
20	332-2921	4	Clamp, ^a J°	45	850-0050	1	Washer, Lock (3/8") Begin Spec C
21	102-1335	1	Plug, Oil Drain (Special)	* - Parts Included In 332-1292 Terminal Assembly			
22	508-0292	1	Washer, Sealing - Copper				
23	504-0171	1	Valve, Shutoff				
24	503-0249	-	Hose - Bulk (1" ID) (Order By The Foot - 3 Feet Required)				
25	503-0189	1	Clamp, Hose	Continued...			
26	505-0100	1	Nipple, Pipe (1/2" x 1-1/8")				

External Engine Parts Generator Sets With Detector Control

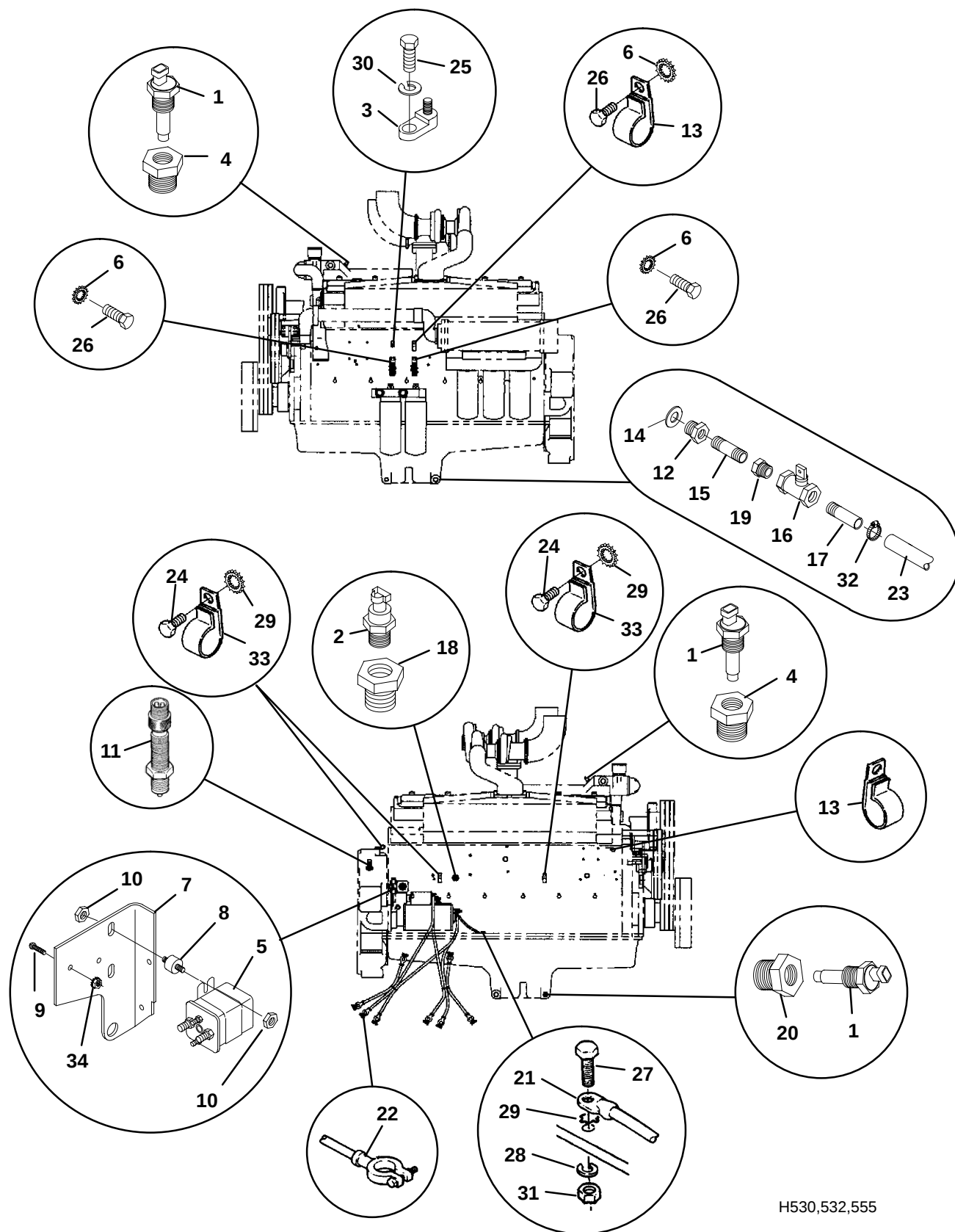


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External Engine Parts Generator Sets With Detector Control

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
Continued...							
46	526-0030	1	Washer, Flat (3/8") Begin Spec C	53	309-0641-07	1	Switch, Oil Pressure (Opens at 20 Lbs Decending) (S5 - Pre-Alarm) Spec C Through H
47	193-0447-01	1	Sender, Water Temperature - (Combination Temperature Switch and Gauge Sender) (Opens at 190 Deg F - Closes at 214 Deg F) (E2 or S6) Spec F Through H	54	309-0641-03	1	Switch, Oil Pressure (Opens at 14 Lbs Decending) (S1) Spec F Through H
48	193-0448	1	Sender, Oil Pressure (Includes Parts Marked #) (E1) Spec F Through H	55	309-0576	2	Switch, Thermostat - High Engine Coolant Temperature (Opens at 202 Deg F - Closes at 222 Deg F) (S2) Spec F Through H
49	323-1549	1	# Connector, Receptacle - 4 Place - Spec F Through H	* - Parts Included In 332-1292 Terminal Assembly # - Parts Included In 193-0448 Oil Pressure Sender			
50	323-1548	1	# Wedge, Receptacle - Spec F Through H				
51	323-1492	4	# Socket, Contact - Spec F Through H				
52	505-1503	3	Adapter, Pipe (1/8") Spec F Through H				

External Engine Parts Generator Sets With PowerCommand Control Begin Spec D

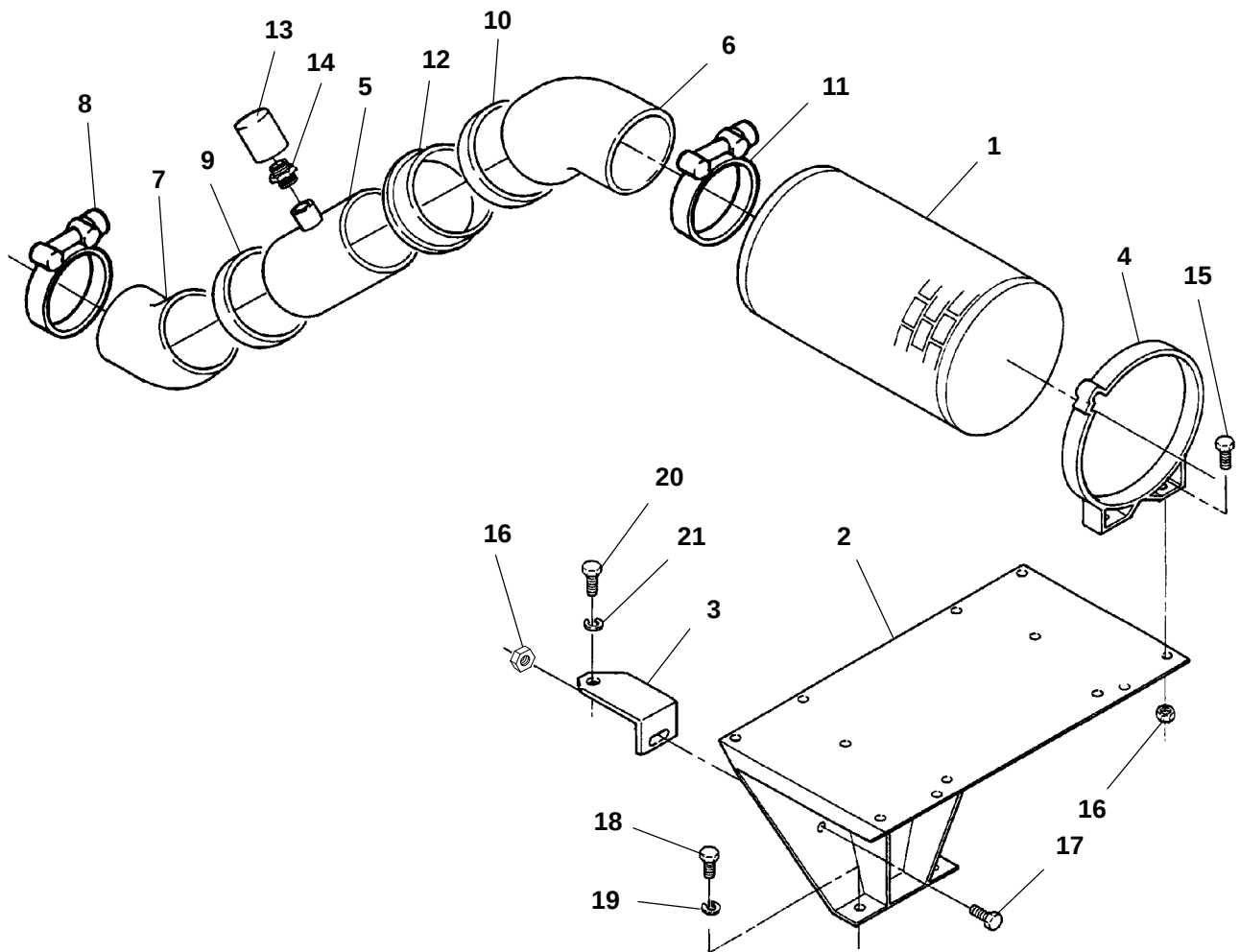


H530,532,555

**External Engine Parts
Generator Sets With PowerCommand Control
Begin Spec D**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	193-0432	3	Sender, Oil Temperature (S2 Engine Block, E4 Oil Pan)	20	505-0131	1	Bushing, Pipe - Reducer (3/4° to 3/8°)
2	193-0444	1	Sender, Oil Pressure (S1)	21	416-0680	1	Cable, Starter (10°) (#2/0)
3	309-0269	1	Switch, Temperature - Low Engine Coolant (S4)	22			Cable, Battery (#2/0)
4	505-0019	2	Bushing, Pipe - Reducer (1/2° to 3/8°)		416-0446	2	12-1/2° (Jumper)
5	307-2621-02	1	Solenoid, Pilot (K4)		416-0964	2	35°
6	856-0010	3	Washer, Lock - EIT (3/8°)		416-0639	2	60°
7	319-2236	1	Bracket, Mounting	23	503-0848	1	Hose, Oil Drain (1° ID x 3')
8	402-0610	2	Isolator, Vibration	24	800-0090	3	Screw, Cap - Hex Head (1/2-13 x 1°)
9	812-0067	2	Screw, Machine - Round Head (#6-32 x 7/8°)	25	800-0052	1	Screw, Cap - Hex Head (3/8-16 x 1-1/2°)
10	870-0212	4	Nut, Locking (1/4-20)	26	821-0029	3	Screw, Locking - Hex Washer Head (3/8-16 x 3/4°)
11	151-0411	1	Pickup, Magnetic				
12	102-1335	1	Plug, Oil Drain	27	800-0093	1	Screw, Cap - Hex Head (1/2-13 x 1-3/4°)
13	332-2634	2	Clamp, ^a J°	28	850-0060	1	Washer, Lock - Spring (1/2°)
14	508-0292	1	Washer, Sealing - Copper	29	856-0013	4	Washer, Lock - EIT (1/2°)
15	505-0100	1	Nipple, Pipe - Close (1/2°)	30	850-0050	1	Washer, Lock - Spring (3/8°)
16	504-0171	1	Valve, Shutoff	31	862-0016	1	Nut, Hex (1/2-13)
17	505-0324	1	Nipple, Pipe - Half (3/4° x 2°)	32	503-0189	1	Clamp, Hose
18	505-1503	1	Adapter, Pipe (1/8°)	33	332-2921	3	Clamp, ^a J°
19	505-0021	1	Bushing, Pipe - Reducer (3/4° to 1/2°)	34	870-0183	2	Nut, Hex - W/ET (#6-32)

Air Cleaner Standard

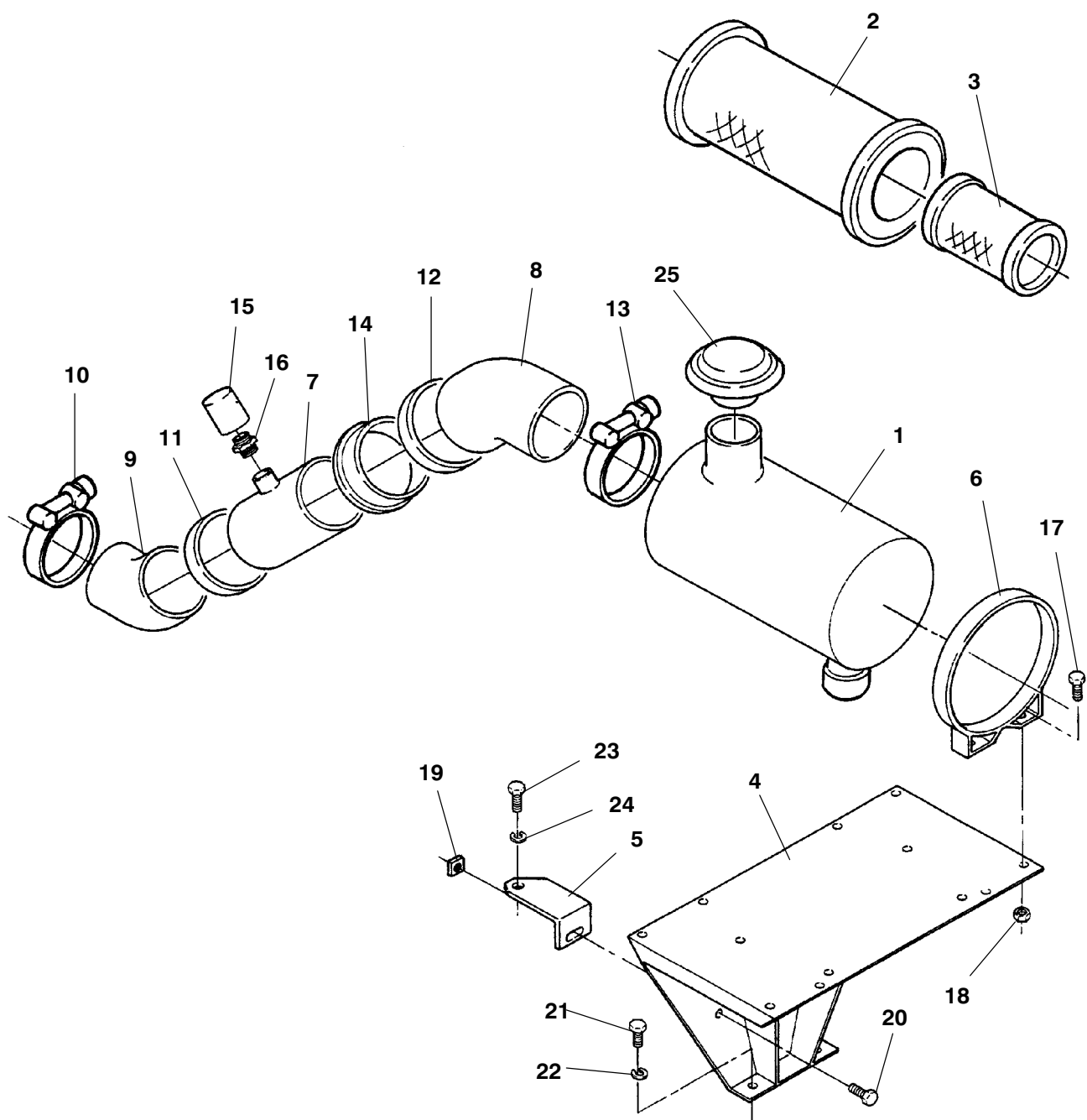


D041

Air Cleaner Standard

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-2501	2	Cleaner, Air (Disposable)	9			Clamp, Hose
2	140-2602	1	Bracket, Mounting		503-0863	2	Spec A and B
3			Bracket		503-1870-11	2	Begin Spec C
	140-2606-01	1	Right Side (6-1/8 ^o)	10			Clamp, Hose
	140-2606-02	1	Left Side (8-1/4 ^o)		503-1045	2	Spec A and B
4	140-2502	4	Strap, Mounting		503-1870-12	2	Begin Spec C
5			Tube, Inlet - Air	11			Clamp, Hose
			Spec A and B		503-1488	2	Spec A and B
	140-2607-01	2	DFGA, DFGB (5-1/4 ^o)		503-1870-14	2	Begin Spec C
			DFGC	12	503-1720	2	Insert, Reducer
	140-2607-03	1	Right Side (9 ^o)	13	140-1548	2	Indicator, Service
	140-2607-02	1	Left Side (6-1/2 ^o)	14	140-1260	2	Fitting
	140-2607-03	2	Begin Spec C	15	821-0029	8	Screw, Self-Locking - Hex
6			Elbow, Reducer				Washer Head (3/8-16 x 3/4 ^o)
			Spec A and B				
	503-1787	2	DFGA, DFGB	16	870-0281	10	Nut, Locking (3/8-16)
	503-1717	2	DFGC	17	821-0030	2	Screw, Self-Locking - Hex
	503-1717	2	Begin Spec C				Washer Head (3/8-16 x 1 ^o)
7			Elbow, Reducer	18	800-0090	2	Screw, Cap - Hex Head
			Spec A and B				(1/2-13 x 1 ^o)
	503-1788	2	DFGA, DFGB	19	850-0060	2	Washer, Lock - Spring (1/2 ^o)
	503-1789	2	DFGC	20	800-0102	2	Screw, Cap - Hex Head
	503-1789	2	Begin Spec C				(1/2-13 x 4 ^o)
8			Clamp, Hose	21	850-0060	2	Washer, Lock - Spring (1/2 ^o)
			Spec A and B				
	503-0863	2	DFGA, DFGB				
	503-0900	2	DFGC				
	503-1870-07	2	Begin Spec C				

Air Cleaner
Heavy Duty

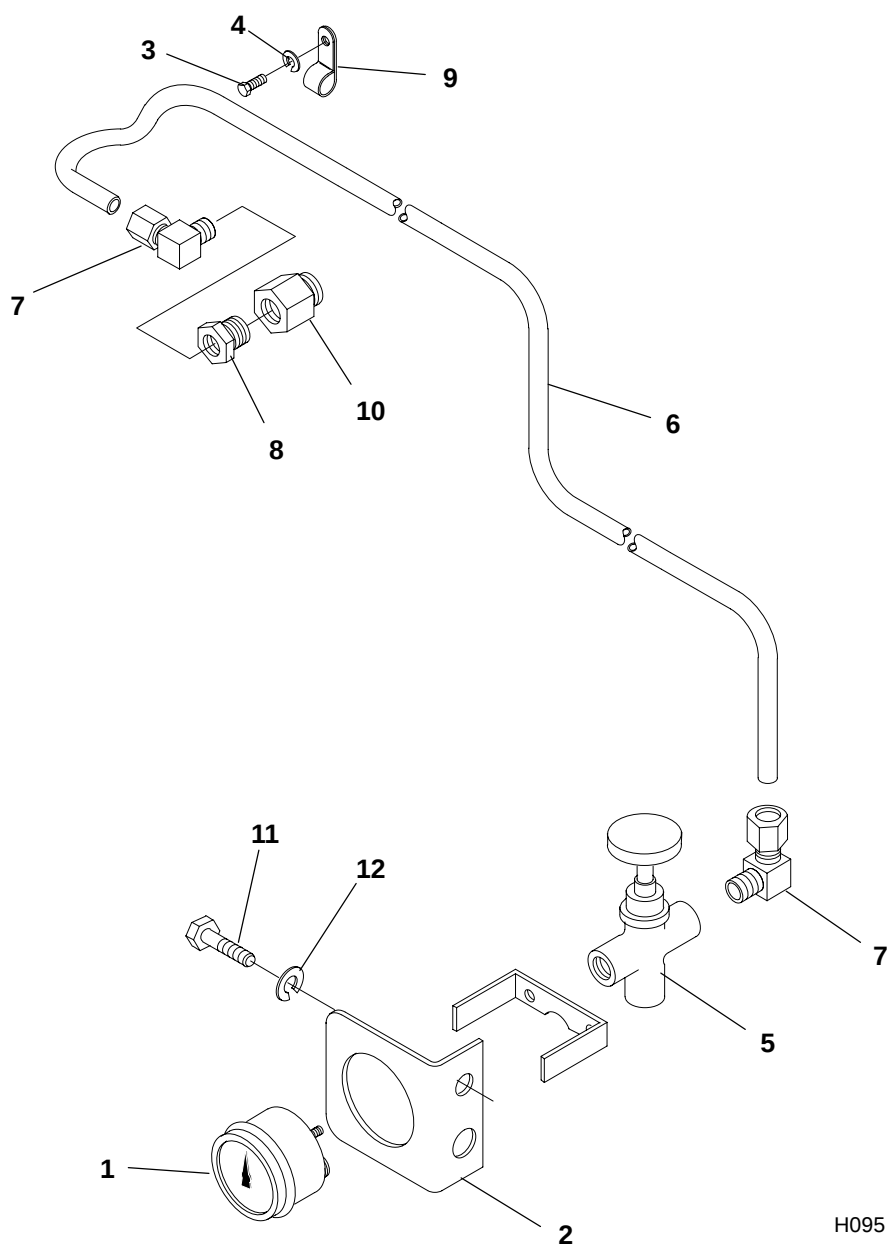


D036

Air Cleaner Heavy Duty

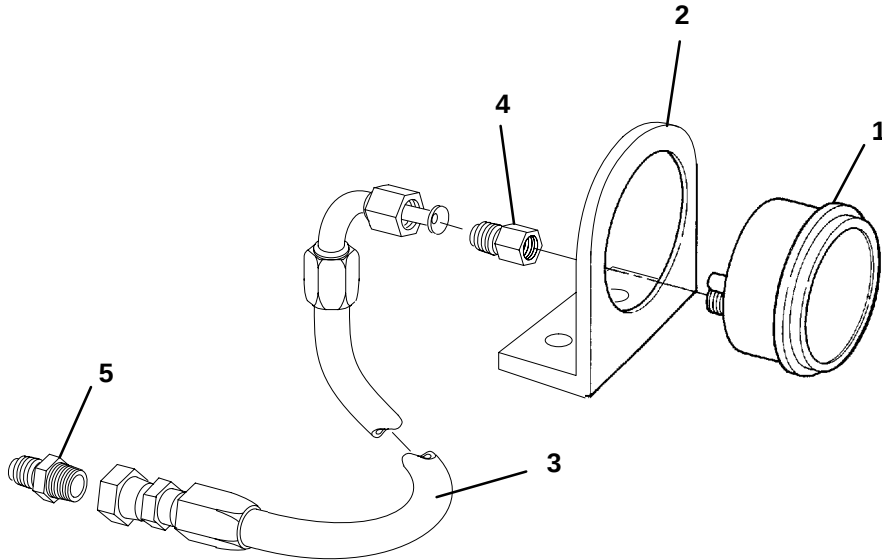
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-2301	2	Cleaner, Air (Includes Elements)	13			Clamp, Hose
2	140-2465	2	Element - Primary		503-1045	2	Spec A and B
3	140-2466	2	Element - Safety		503-0864	2	DFGA, DFGB
4	140-2602	1	Bracket, Mounting		503-1870-12	2	DFGC
5			Bracket		503-1870-12	2	Begin Spec C
	140-2606-01	1	Right Side (6-1/8 ⁹)	14	503-1720	2	Insert, Reducer - DFGA, DFGB - Spec A and B
	140-2606-02	1	Left Side (8-1/4 ⁹)	15	140-1548	2	Indicator, Service
6	140-2052	4	Strap, Mounting	16	140-1260	2	Fitting
7			Tube, Air Inlet	17	821-0033	8	Screw, Self-Locking - Hex Washer Head (7/16-14 x 3/4 ⁹)
			Spec A and B				
	140-2607-01	2	DFGA, DFGB (5-1/4 ⁹)	18	870-0437	8	Nut, Locking (7/16-14)
			DFGC	19			Nut, Locking
	140-2607-02	1	Right Side (6-1/2 ⁹)		870-0281	2	Spec A and B (3/8-16)
	140-2607-03	1	Left Side (9 ⁹)		870-0437	2	Begin Spec C (7/16-14)
	140-2607-03	2	Begin Spec C				Screw, Self-Locking - Hex Washer Head
8			Elbow, Reducer	20			Spec A and B (3/8-16 x 1 ⁹)
			Spec A and B		821-0030	2	Begin Spec C (7/16-14 x 3/4 ⁹)
	503-1786	2	DFGA, DFGB		821-0033	2	Screw, Cap - Hex Head (1/2-13 x 1 ⁹)
	503-1722	2	DFGC				Washer, Lock - Spring (1/2 ⁹)
	503-1722	2	Begin Spec C				Screw, Cap - Hex Head (1/2-13 x 4 ⁹)
9			Elbow, Reducer	21	800-0090	2	Washer, Lock - Spring (1/2 ⁹)
			Spec and B				Screw, Cap - Hex Head (1/2-13 x 4 ⁹)
	503-1788	2	DFGA, DFGB	22	850-0060	2	Hood, Air Inlet (Includes Mounting Clamp)
	503-1789	2	DFGC	23	800-0102	2	
	503-1789	2	Begin Spec C	24	850-0060	2	
10			Clamp, Hose	25	140-1545	2	
			Spec A and B				
	503-0863	2	DFGA, DFGB				
	503-0900	2	DFGC				
	503-1870-07	2	Begin Spec C				
11			Clamp, Hose				
	503-0863	2	Spec A and B				
	503-1870-11	2	Begin Spec C				
12			Clamp, Hose				
			Spec A and B				
	503-1045	2	DFGA, DFGB				
	503-0863	2	DFGC				
	503-1870-11	2	Begin Spec C				

Fuel Pressure Gauge



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	193-0128	1	Gauge, Fuel Pressure (Includes Mounting Hardware)	8	505-0007	1	Bushing, Pipe - Reducer (1/4" to 1/8") Begin Spec C
2	193-0029	1	Bracket, Mounting	9	518-0350	1	Clamp, Insulated - Begin Spec C
3	800-0050	1	Screw, Cap - Hex Head (3/8-16 x 1") Begin Spec C	10	502-1302	1	Adapter, Female Pipe - With O-Ring (1/2-20 Pipe to 1/8" Pipe) Begin Spec C
4	850-0050	1	Washer, Lock - Spring (3/8") Begin Spec C	11	800-0130	1	Screw, Cap - Hex Head (5/8-11 x 1") Spec A and B
5	504-0064	1	Valve	12	850-0070	1	Washer, Lock - Spring (5/8") Spec A and B
6	370-4003	1	Tube, Copper (7')				
7	502-0034	2	Elbow, Compression - 90 Deg (Includes Nut and Ring)				

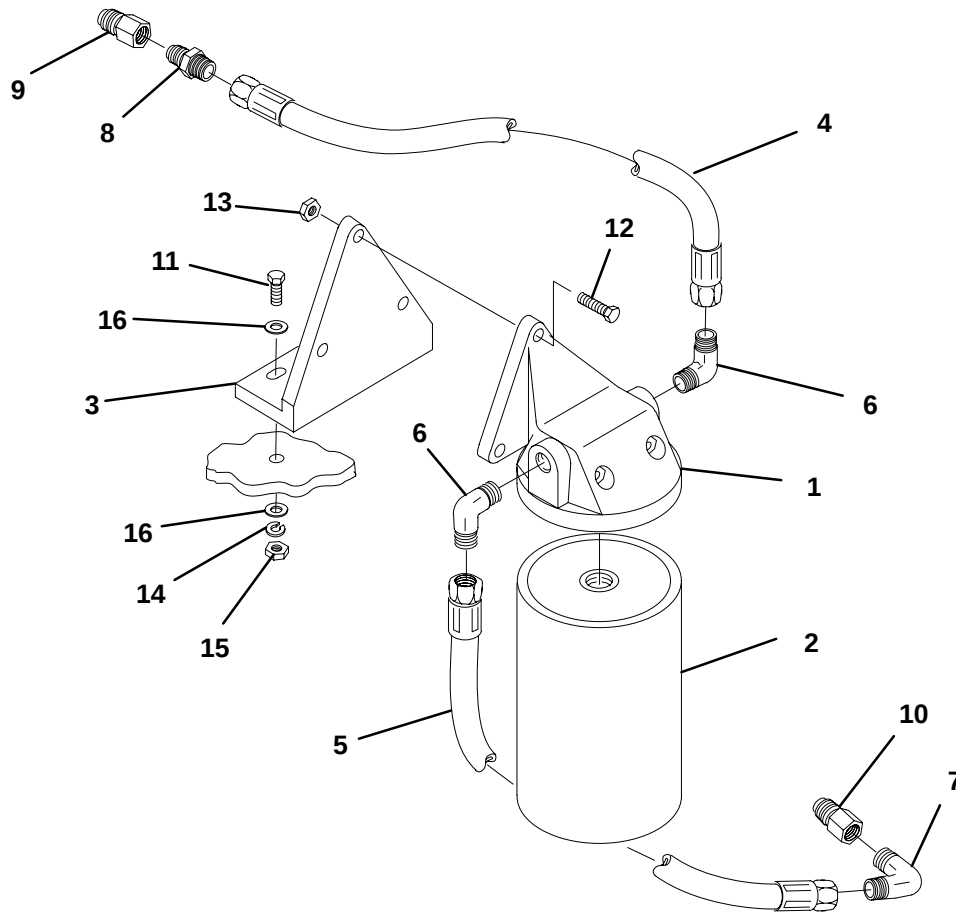
Mechanical Oil Pressure Gauge Engine Mounted Spec C



H195

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	193-0451	1	Gauge, Oil Pressure	5	502-1231	1	Connector, Male (7/16-20 Flare to 1/8-27 Pipe)
2	193-0029	1	Bracket, Mounting				
3	501-0618	1	Hose, Oil Gauge (24")				
4	502-1232	1	Connector, Female (7/16-20 Flare to 1/8-27 Pipe)				

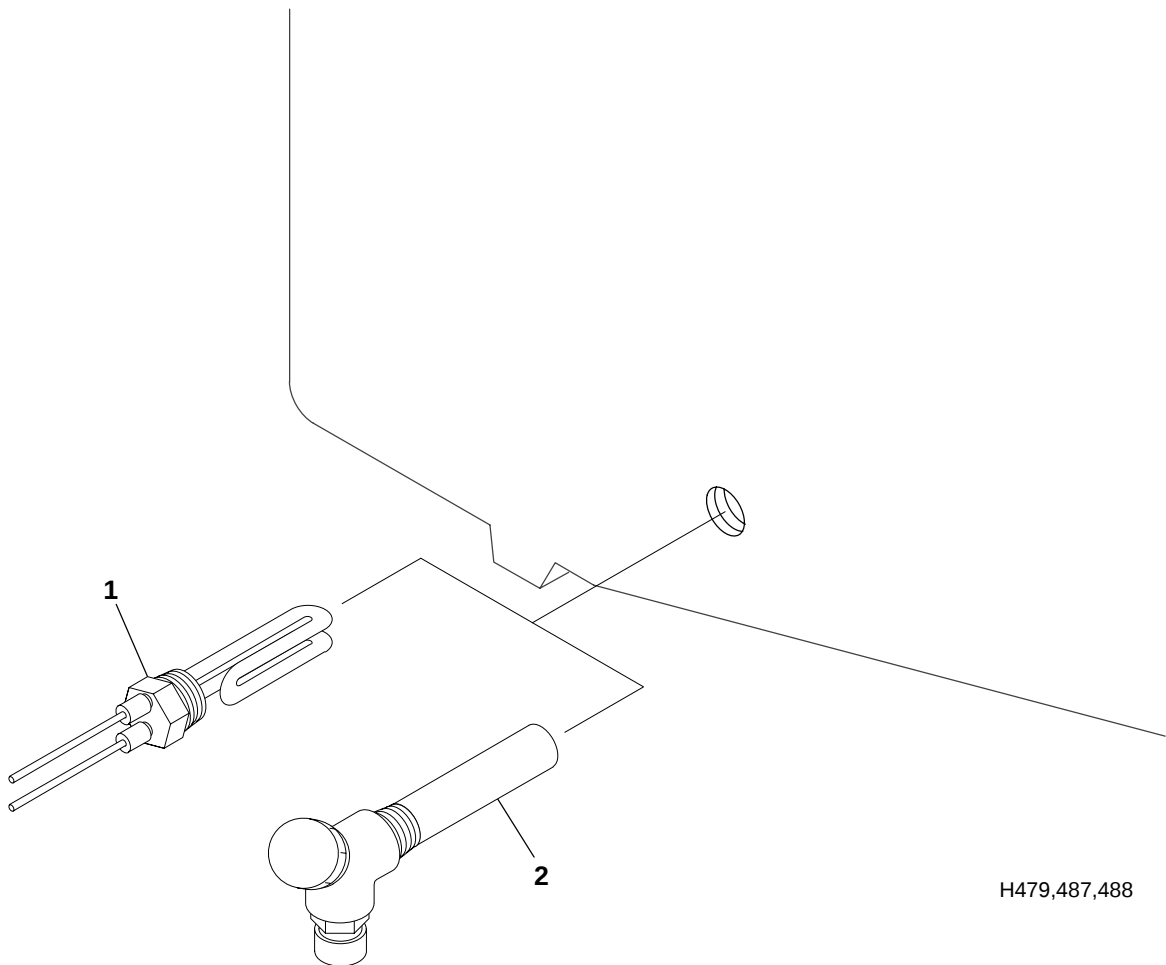
Lube Oil Filter Begin Spec C



H393

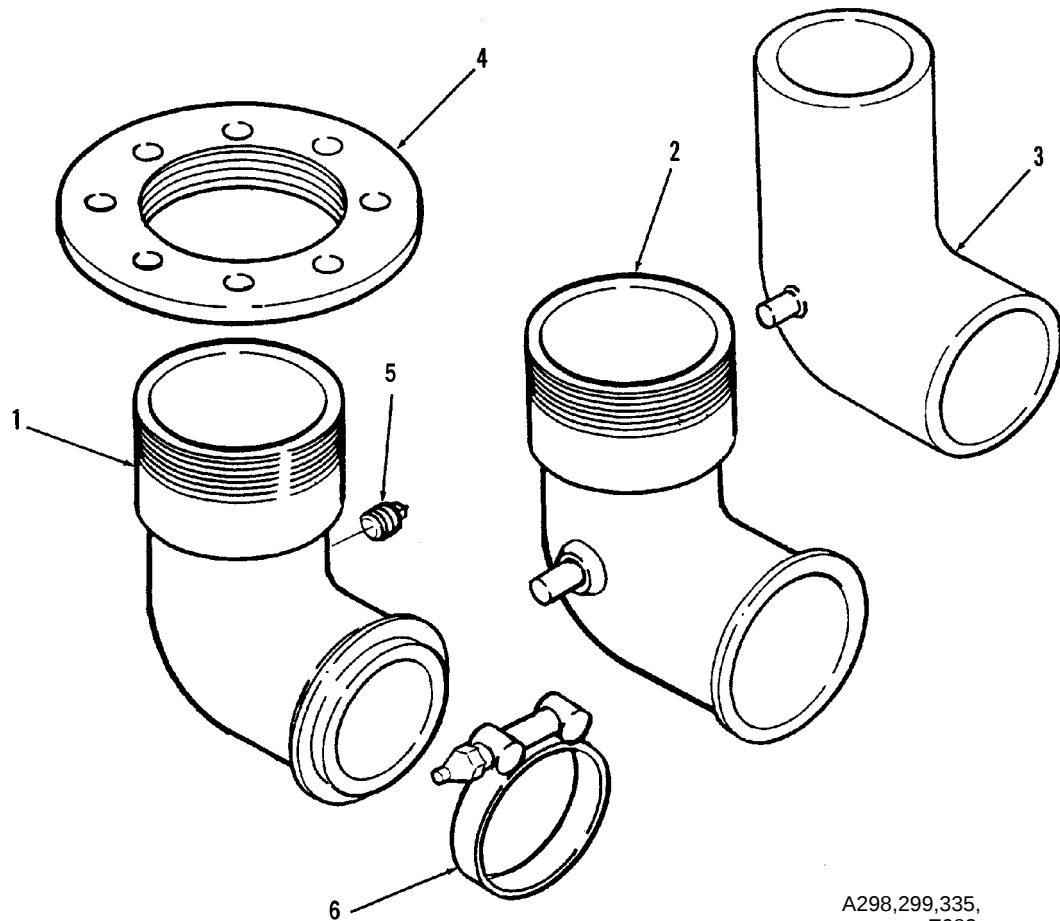
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	122-0702	1	Head, Oil Filter	10	505-0022	1	Bushing, Pipe - Reducer (1° x 1/2°)
2	122-0777	1	Filter, Lube Oil	11	800-0096	2	Screw, Cap - Hex Head (1/2-13 x 2-1/2°)
3	122-0735	1	Bracket, Mounting	12	821-0035	3	Screw,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

Oil Pan Heater
Begin Spec C



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				

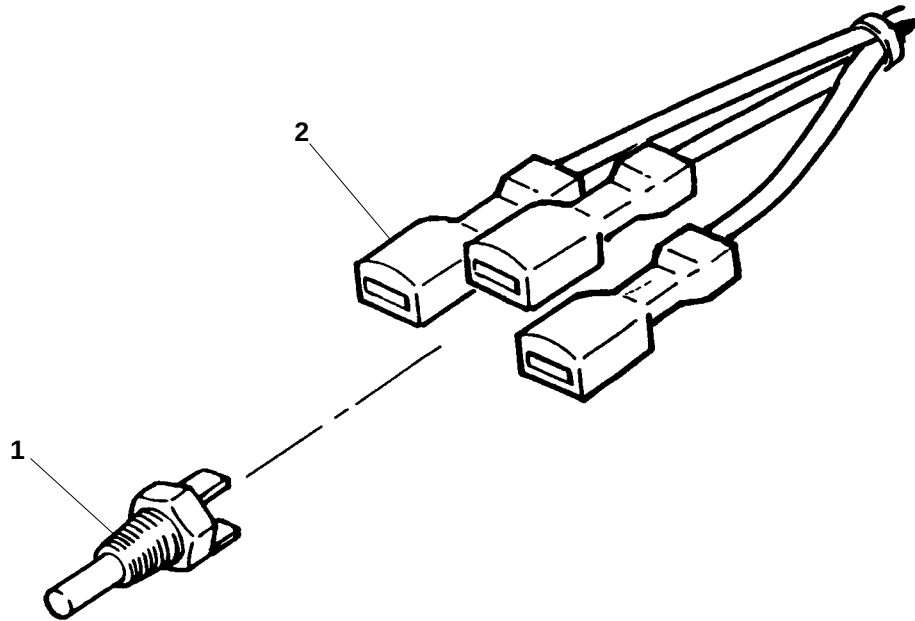
Exhaust Elbow



A298,299,335,
E083

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-2437	1	Elbow, Exhaust (5° OD With Threads) Spec A and B	4	155-0658	2	Flange (Not Used On All Models)
2			Elbow, Exhaust (5° OD With Threads)	5	502-0080	1	Plug, Square Head (1/8")
	155-2409	2	With Welded Pipe Nipple On One Side	6	503-1618	1	Clamp, V Band
			With Welded Pipe Nipple On Both Sides				5-1/2° ID x 5/8° Wide (Used With 155-2437 Exhaust Elbow) Spec A and B
	155-2409-03	2	Sets Without Pyrometer		503-1575	2	5-7/8° ID x 3/4° Wide (Used With 155-2409, 155-2409-03 and 155-1241 Exhaust Elbows)
	155-2409-03	2	Sets With Pyrometer - DFGA Spec H				
3			Elbow, Exhaust (5° OD Without Threads)				
	155-1241	2	Sets Without Pyrometer				
	155-2846	1	Sets With Pyrometer - Spec A Through H				

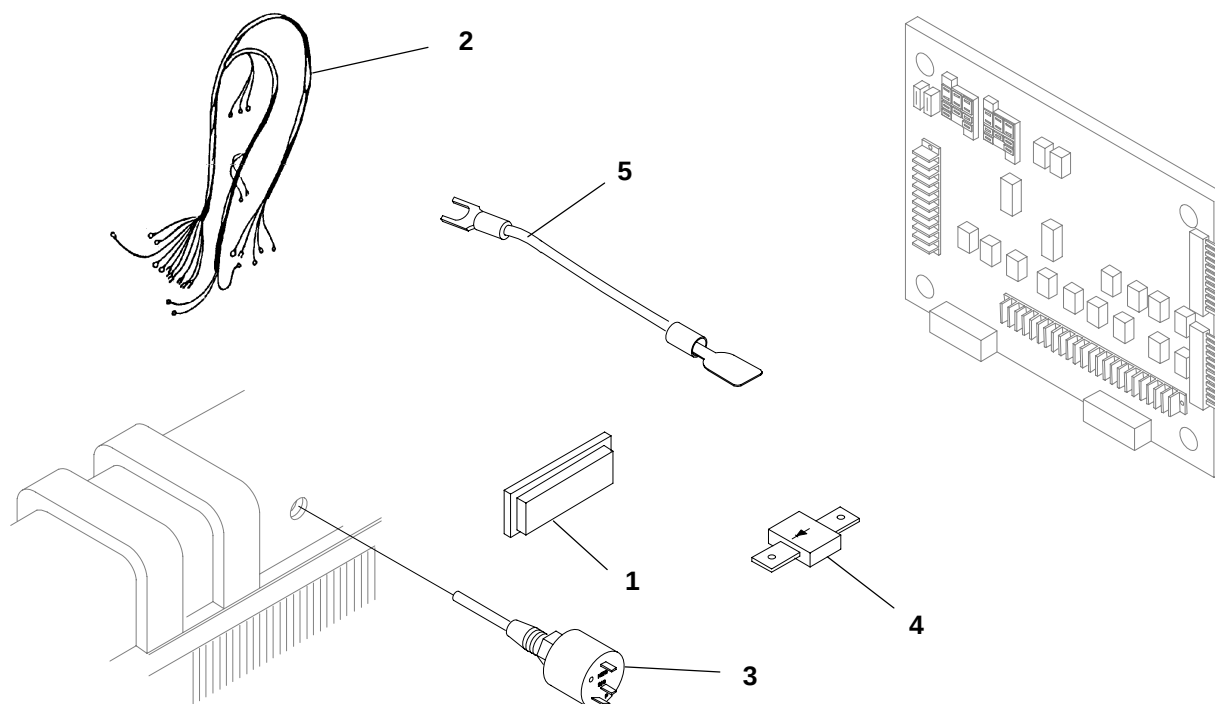
Low Coolant Level Sender **Without Continuously Monitored Low Coolant Level**



H389,H527

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Sender, Low Coolant Level (S7)	2	338-2010	1	Harness, Wiring - Spec A and B
	193-0322	1	Spec A and B				
	193-0467	1	Begin Spec C				

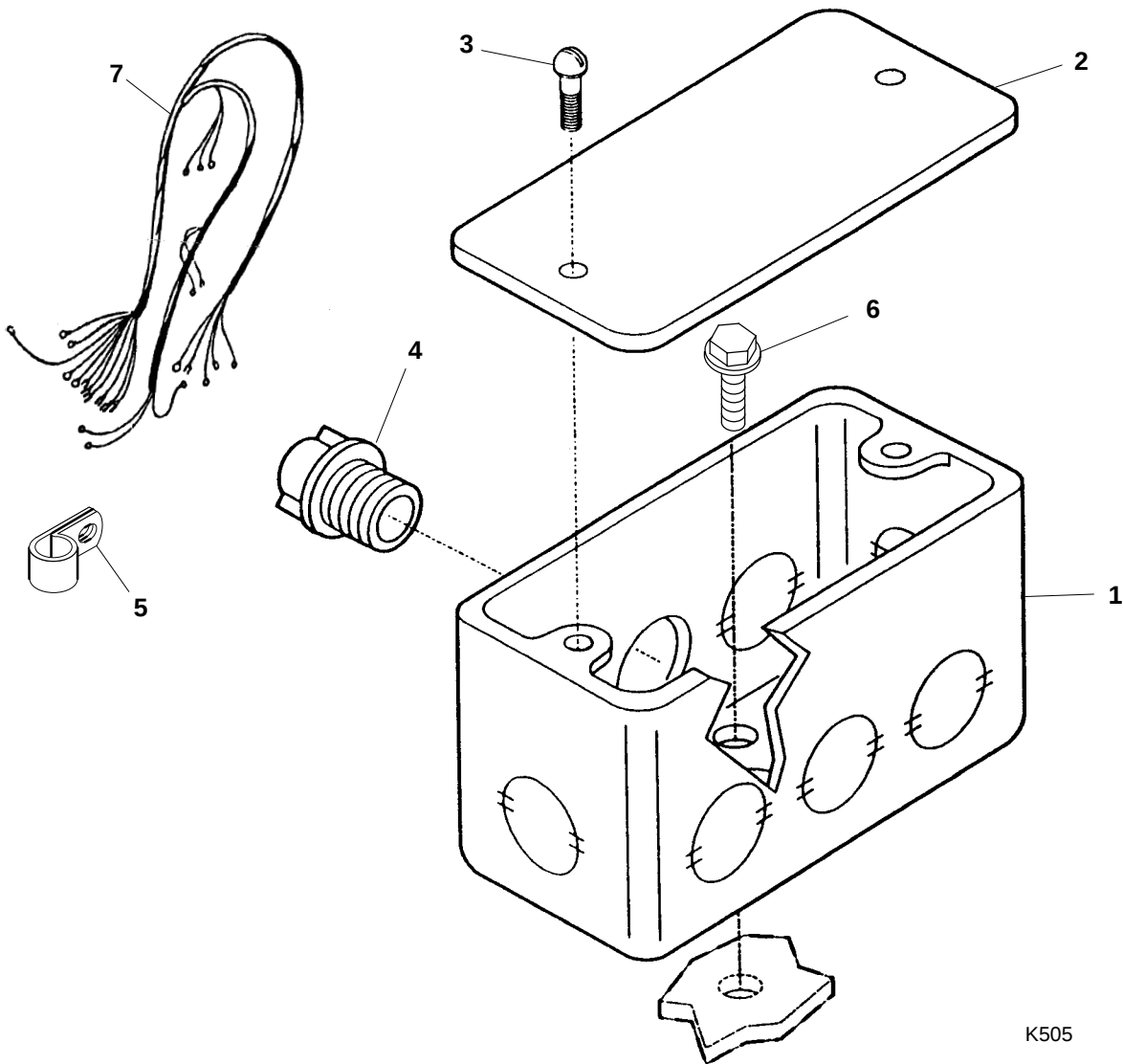
**Low Coolant Level Sender
With Continuously Monitored Low Coolant Level
12 Light Indicator Controls
Begin Spec C**



H389

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

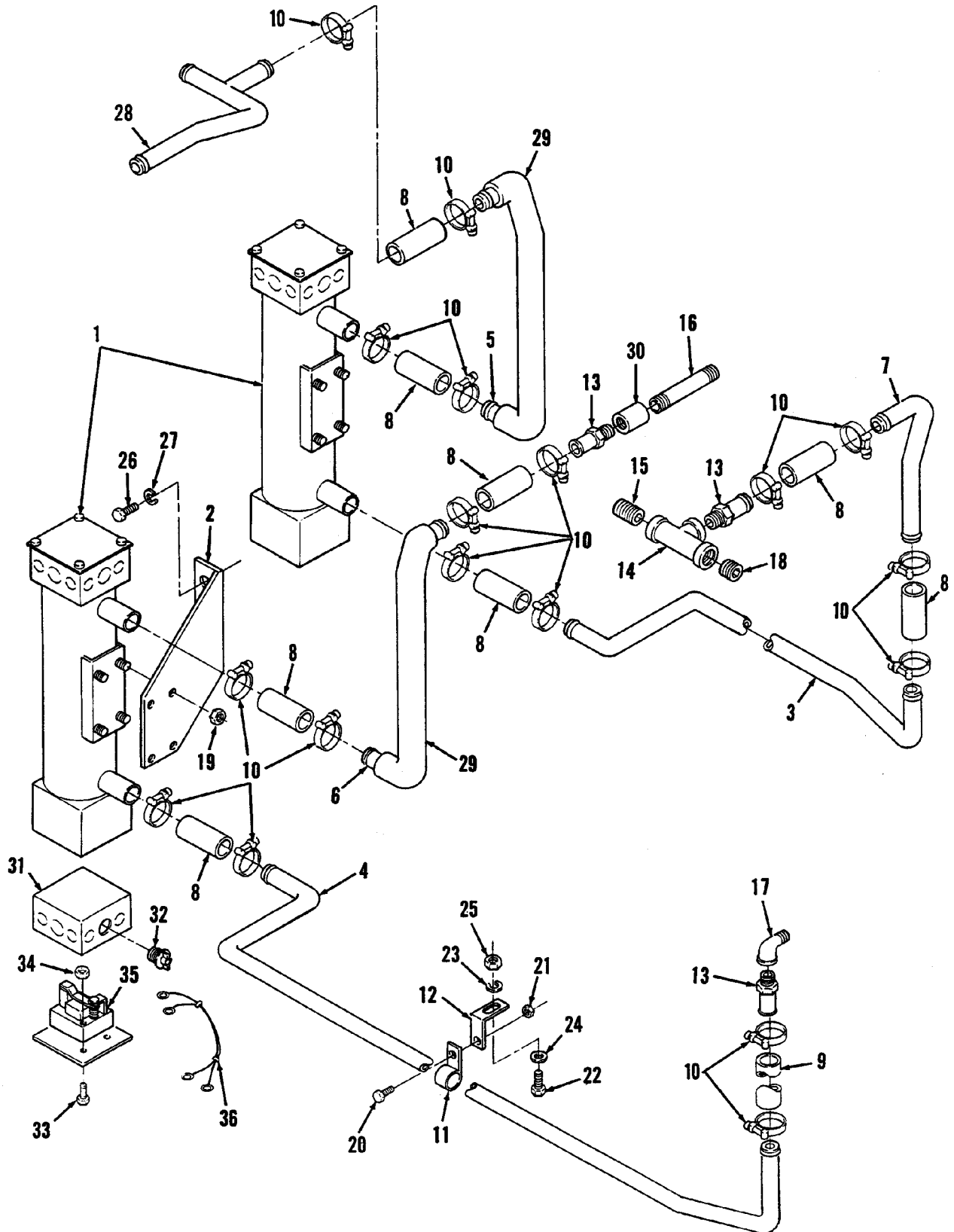
**Junction Box
Engine Coolant Heater
Begin Spec C**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	330-0005	1	Box, Junction
2	330-0004	1	Cover, Junction Box
3	812-0079	2	Screw, Machine - Round Head (#8-32 x 1/2 ⁹)
4	331-0027	4	Connector, Knockout
5	332-2634	1	Clamp, ^a J ^o
6	815-0340	2	Screw, Locking - Hex Washer Head (#10-32 x 3/8 ⁹)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
7			Harness, Wiring - Junction Box to Coolant Heater (3 Wire) (GND,Black,White to GND-GND,HTR-TH, HTR-EL)
	338-2544	1	36°
	338-2545	1	70°

Engine Coolant Heater Spec A and B

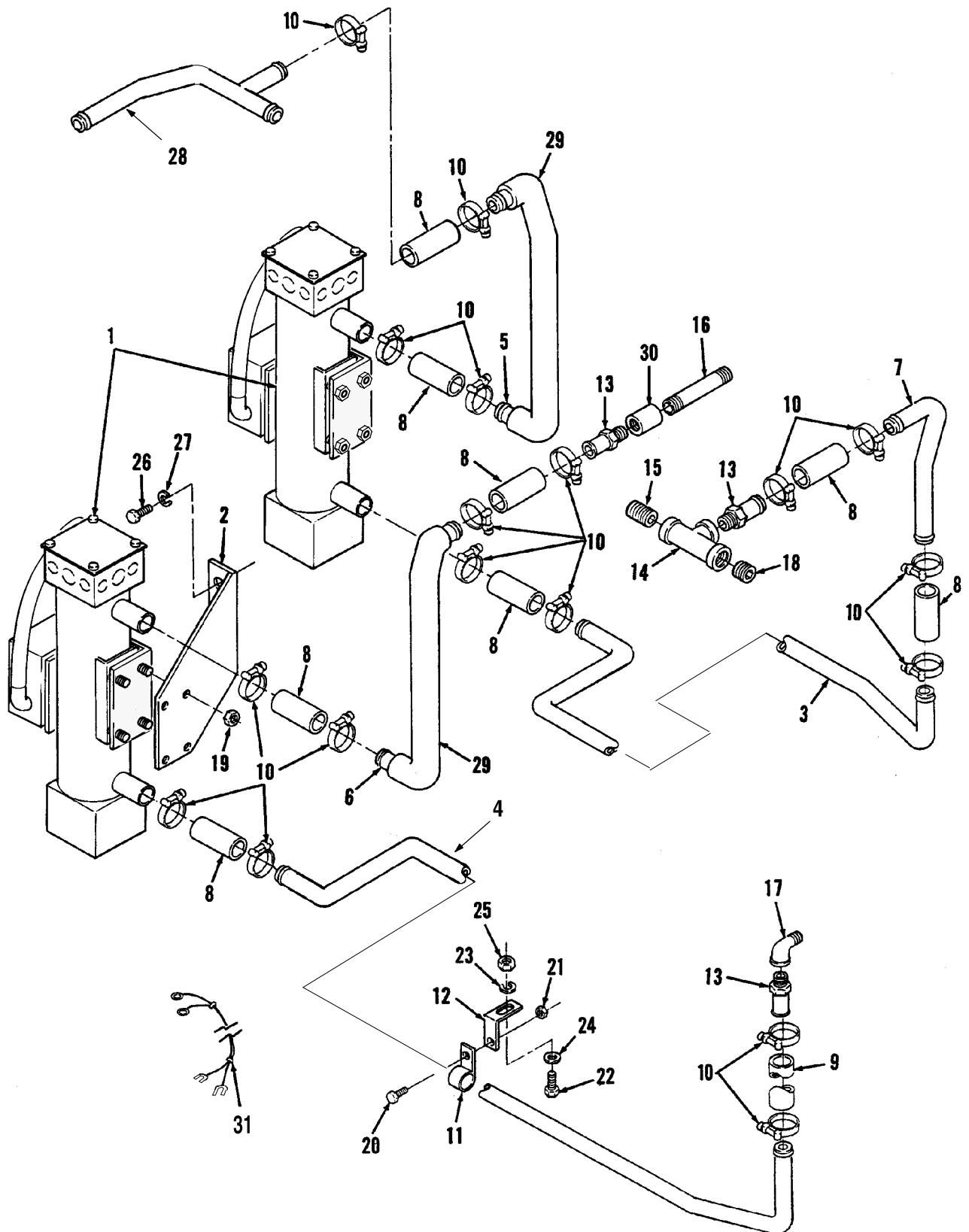


Engine Coolant Heater Spec A and B

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Heater, Coolant (4000 Watt) (Includes Thermostat and Parts Marked *)	20	821-0029	4	Screw, Self-Locking - Hex Washer Head (3/8-16 x 3/4")
	333-0494-02	2	120 Volt	21	870-0281	4	Nut, Locking (3/8")
	333-0494-01	2	208, 240, 480 Volt	22	800-0094	4	Screw, Cap - Hex Head (1/2-13 x 1-3/4")
	333-0468	2	Thermostat, Heater (Service Replacement) (Not Illustrated)	23	850-0060	4	Washer, Lock - Spring (1/2")
2	130-3866	2	Bracket, Mounting	24	526-0219	4	Washer, Flat (1/2")
3	130-3856	1	Tube, Heater (Right Side)	25	862-0005	4	Nut, Hex (1/2-13)
4	130-3857	1	Tube, Heater (Left Side)	26	800-0131	4	Screw, Cap - Hex Head (5/8-11 x 1-1/4")
5	130-3858	1	Tube, Heater (Right Side)	27	850-0070	4	Washer, Lock - Spring (5/8")
6	130-3859	1	Tube, Heater (Left Side)	28	130-3897	1	Tube, Heater
7	130-3860	1	Tube, Heater (Right Side)	29	128-0135	-	Insulation, Hose - Bulk (1-1/8" ID) (Order By The Foot - 3 Feet Required)
8	503-1634	8	Hose, Heater (1" ID x 4")				
9	503-1779	-	Hose, Heater - Bulk (1" ID) (Order By The Foot - 1 Foot Required)	30	505-0029	1	Coupling, Pipe (3/4")
10	503-1872-01	18	Clamp, Hose	31	330-0144	2	* Box, Extension
11	518-0548-20	4	Clip, Retainer	32	331-0027	2	* Connector, Romex
12	130-3861	4	Bracket, Mounting - Heater Tube	33	812-0082	4	* Screw, Machine - Round Head (#8-32 x 3/4")
13	502-0971	3	Connector, Hose (3/4" ID Hose to 3/4" Pipe)	34	870-0221	4	* Nut, Hex - With ET (#8-32)
14	505-0166	1	Tee, Pipe (3/4")	35	307-2762	2	* Relay, Power
15	505-0102	1	Nipple, Pipe - Close (3/4")	36			Harness, Wiring (Relay to T26 Terminal)
16	505-0341	1	Nipple, Pipe (3/4" x 5")		338-2760-01	1	Left Side (121")
17	505-0691	1	Elbow, Street (3/4" x 45 Deg)		338-2760-02	1	Right Side (85")
18	505-0253	1	Plug, Pipe - Countersunk (3/4")				
19	870-0212	8	Nut, Locking - Hex Head (1/4-20)				

* - Parts Included In Engine Coolant Heater

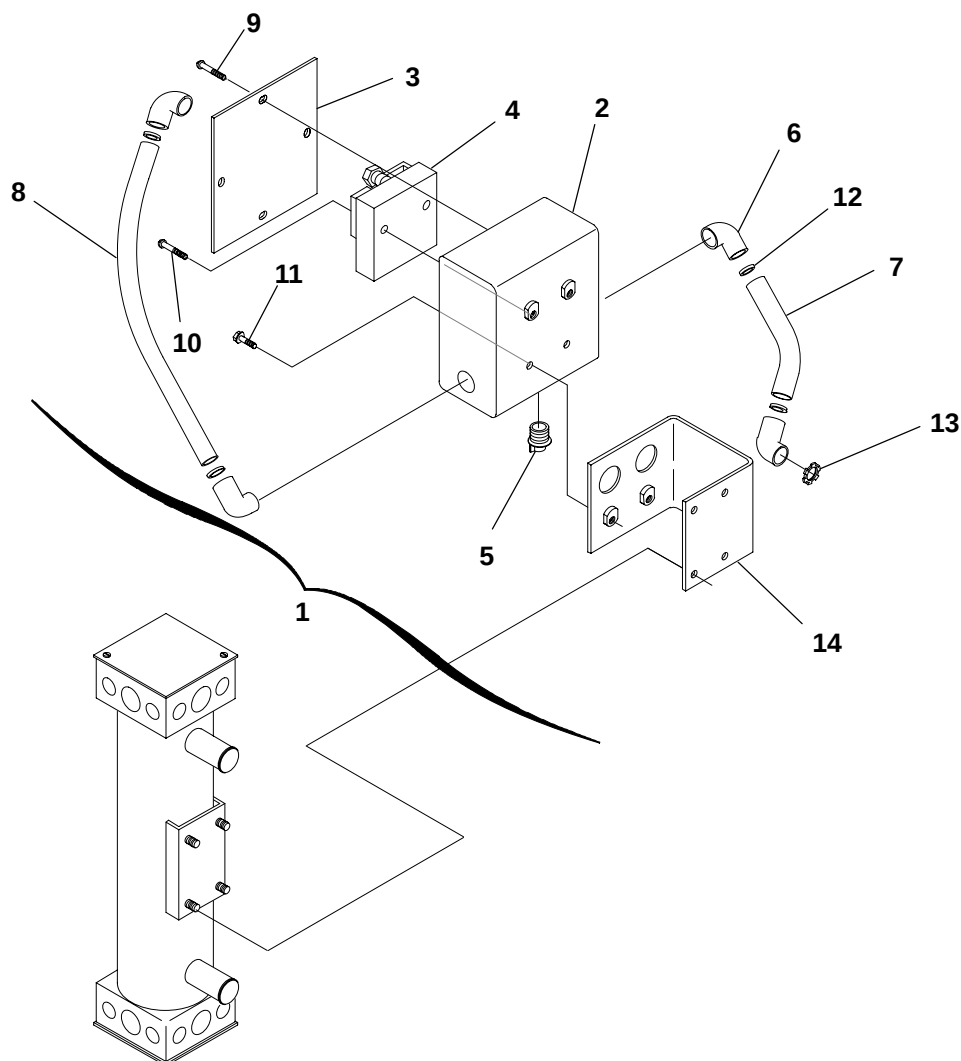
Engine Coolant Heater Spec C Through E



Engine Coolant Heater Spec C Through E

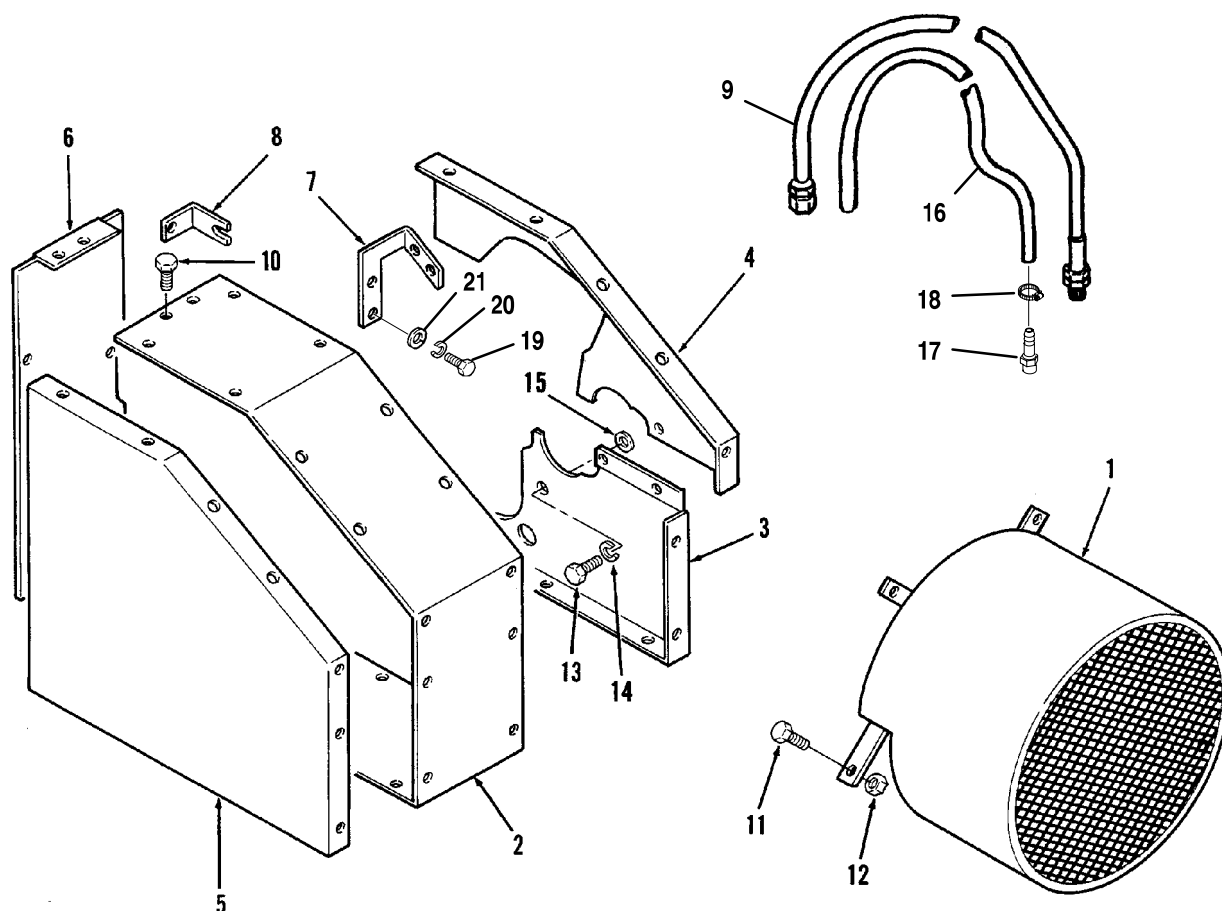
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Heater, Coolant (4000 Watt) (Includes Thermostat) (See Separate Page For Components)	16	505-0341	1	Nipple, Pipe (3/4" x 5")
	333-0512-02	2	120 Volt	17	505-0691	1	Elbow, Street (3/4" x 45 Deg)
	333-0512-01	2	208, 240, 480 Volt	18	505-0253	1	Plug, Pipe - Countersunk (3/4")
	333-0468	2	Thermostat, Heater (Service Replacement) (Not Illustrated)	19	870-0212	8	Nut, Locking - Hex Head (1/4-20)
2	130-3866	2	Bracket, Mounting	20	821-0029	4	Screw, Self-Locking - Hex Washer Head (3/8-16 x 3/4")
3	130-3856	1	Tube, Heater (Right Side)	21	870-0281	4	Nut, Locking (3/8")
4	130-3857	1	Tube, Heater (Left Side)	22	800-0094	4	Screw, Cap - Hex Head (1/2-13 x 1-3/4")
5	130-3858	1	Tube, Heater (Right Side)	23	850-0060	4	Washer, Lock - Spring (1/2")
6	130-3859	1	Tube, Heater (Left Side)	24	526-0219	4	Washer, Flat (1/2")
7	130-3860	1	Tube, Heater (Right Side)	25	862-0005	4	Nut, Hex (1/2-13)
8	503-1634	8	Hose, Heater (1" ID x 4")	26	800-0131	4	Screw, Cap - Hex Head (5/8-11 x 1-1/4")
9	503-1779	-	Hose, Heater - Bulk (1" ID) (Order By The Foot - 1 Foot Required)	27	850-0070	4	Washer, Lock - Spring (5/8")
10	503-1872-01	18	Clamp, Hose	28	130-3897	1	Tube, Heater
11	518-0548-20	4	Clip, Retainer	29	128-0135	-	Insulation, Hose - Bulk (1-1/8" ID) (Order By The Foot - 3 Feet Required)
12	130-3861	4	Bracket, Mounting - Heater Tube	30	505-0029	1	Coupling, Pipe (3/4")
13	502-0971	3	Connector, Hose (3/4" ID Hose to 3/4" Pipe)	31			Harness, Wiring (K1, K2 to ENG-GND, T26)
14	505-0166	1	Tee, Pipe (3/4")		338-2760-01	1	Left Side (121")
15	505-0102	1	Nipple, Pipe - Close (3/4")		338-2760-02	1	Right Side (85")

Engine Coolant Heater Components Spec C Through E



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	333-0512-02	2	Heater, Coolant (4000 Watt)	8	331-0531-02	1	Conduit, Flexible (1/2" ID x 11-1/2")
	333-0512-01	2	120 Volt	9	813-0100	4	Screw, Machine - Round Head (#10-32 x 1/2")
1	179-2661	2	208, 240, 480 Volt	10	813-0103	2	Screw, Machine - Round Head (#10-32 x 3/4")
			Relay Assembly, Heater (Includes All Parts Listed Below) (Quantities Listed Below Are For 1 Heater Relay Assembly)	11	821-0010	2	Screw, Self-Locking - Hex Washer Head (1/4-20 x 1/2")
2	130-4079	1	Box, Relay	12	331-0533	4	Bushing, Antishort (1/2")
3	130-4082	1	Cover, Box	13	331-0532	1	Locknut, Sealing (1/2")
4	307-2762	1	Relay (K1, K2)	14	130-4083	1	Bracket, Mounting
5	331-0027	1	Connector, Romex (3/8")				
6	331-0010	4	Connector (1/2" x 90 Deg)				
7	331-0531-01	1	Conduit, Flexible (1/2" ID x 6")				

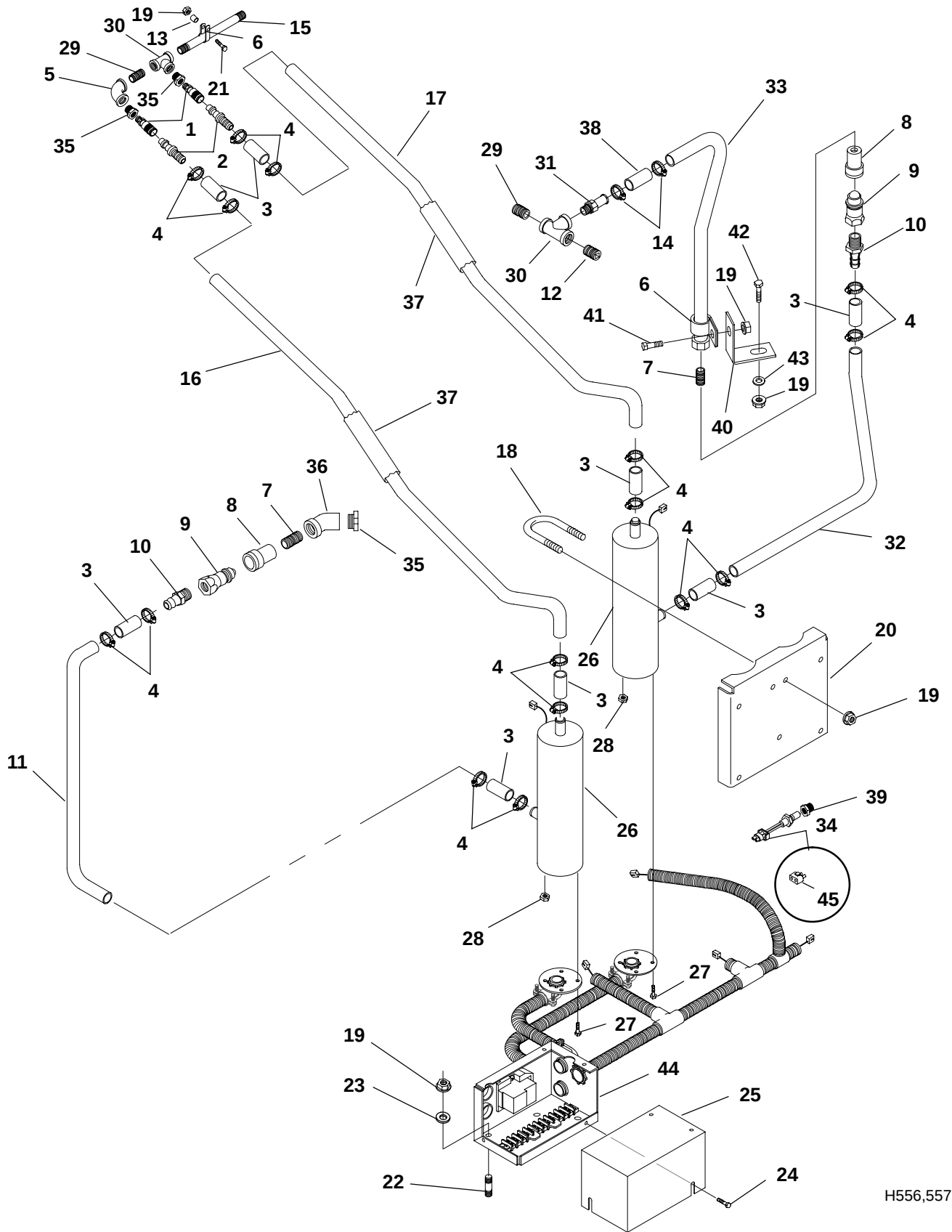
Remote Radiator



E043

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-1182-01	1	Guard, Damper	14	850-0050	2	Washer, Lock - Spring (3/8")
2	130-3843	1	Guard, Belt - Right Side	15	526-0174	4	Washer, Flat (3/8") (Used As Spacers)
3	130-3844	1	Guard, Belt - Bottom Back	16	503-1418	-	Hose - Bulk (1/4" ID) (Order By The Foot - 10 Feet Required) Begin Spec C
4	130-3845	1	Guard, Belt - Top Back	17	502-0395	4	Connector, Hose (1/8" Pipe to 1/4" ID Hose) Begin Spec C
5	130-3842	1	Guard, Belt - Front	18	503-0685	4	Clamp, Hose - Begin Spec C
6	130-3846	1	Guard, Belt - Left Side	19	800-0052	2	Screw, Cap - Hex Head (3/8-16 x 1-1/2") Begin Spec C
7	130-3849	1	Bracket	20	850-0050	2	Washer, Lock - Spring (3/8") Begin Spec C
8	130-3847	1	Bracket - L-Shaped	21	526-0030	2	Washer, Flat (3/8") Begin Spec C
9	501-0247	2	Line, Flexible (1/4" ID x 69") Spec A and B				
10	821-5002-03	31	Screw, Self-Locking - Hex Washer Head (1/4-20 x 1/2")				
11	821-5004-03	2	Screw, Self-Locking - Hex Washer Head (3/8-16 x 1")				
12	870-0281	2	Nut, Locking (3/8-16)				
13	800-0056	2	Screw, Cap - Hex Head (3/8-16 x 2-1/2")				

Engine Coolant Heater Begin Spec F

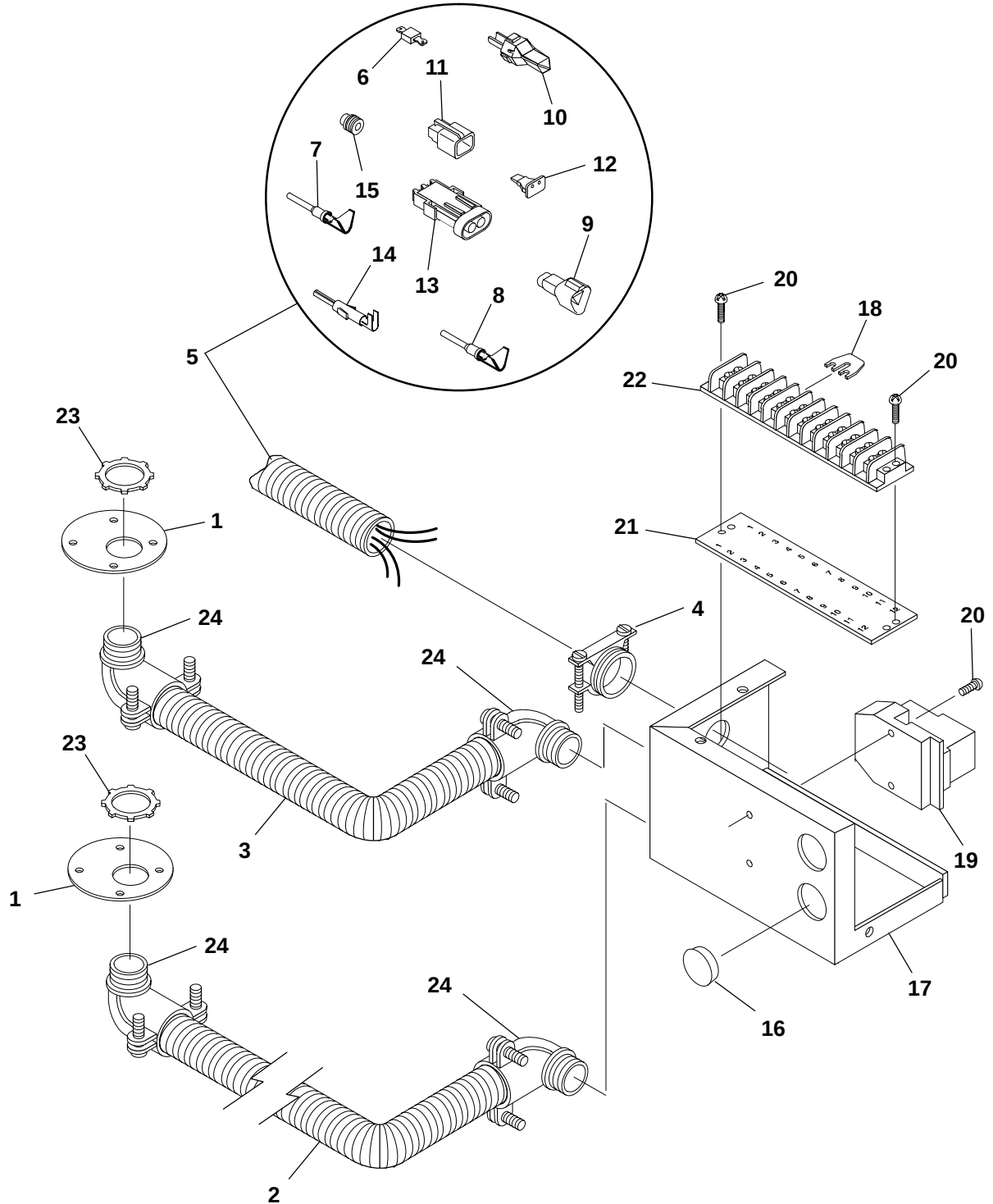


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Engine Coolant Heater Begin Spec F

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	502-1259	2	Coupler, Coolant Heater (1/2°)	27	815-0539	6	Screw, Machine - Round Head - Cross Recessed W/IT (#8-32 x 5/8°)
2	502-1257	2	Connector, Hose Barb (For 3/4° ID Hose)	28	870-0131	6	Nut, Hex - W/ET (#10-32)
3	503-1634-01	8	Hose (3/4° ID x 4°)	29	505-0102	2	Nipple, Pipe - Close (3/4°)
4	503-1136	16	Clamp, Hose	30	505-0166	2	Tee, Pipe (3/4°)
5	505-0132	1	Elbow, Pipe - 90 Deg (3/4°)	31	502-0971	1	Connector, Hose (1° ID Hose to 3/4° Pipe)
6	518-0548-20	2	Clamp, Hose	32	130-4578	1	Tube
7	505-0100	2	Nipple, Pipe (1/2°)	33	130-4580	1	Tube
8	502-1260	2	Coupler, Coolant Heater (1/2°)	34	309-0649	1	Thermostat (Includes Connector Socket) (S11)
9	502-1261	2	Nipple, Coolant Heater (1/2°)	35	505-0021	3	Bushing, Pipe - Reducer (3/4° to 1/2°)
10	502-0827	2	Connector, Hose Barb (3/4° ID Hose to 1/2° Pipe)	36	505-0248	1	Elbow, Pipe - Street - 45 Deg (1/2°)
11	130-4581	1	Tube	37	128-0108	-	Insulation, Hose - Bulk (7/8° ID) (Order By The Foot - 10 Feet Required)
12	505-0253	1	Plug, Pipe - Countersunk (3/4)	38	503-1634	1	Hose (1° ID x 4°)
13	191-2034-01	1	Spacer, Mounting (3/4° ID x 1-1/2°)	39	505-0131	1	Bushing, Pipe - Reducer (3/4° to 3/8°)
14	503-1872-01	2	Clamp, Hose	40	130-3861	1	Bracket, Mounting
15	505-0363	1	Nipple, Pipe (3/4° x 12°)	41	821-5004-03	1	Screw, Self-Locking - Hex Washer Head (3/8-16 x 1°)
16	130-4576	1	Tube	42	800-0053	1	Screw, Cap - Hex Head (3/8-16 x 1-3/4°)
17	130-4577	1	Tube	43	526-0245	1	Washer, Flat (3/8°)
18	155-3021	2	Clamp, Mounting	44		1	Control Assembly, Engine Coolant Heater (See Separate Page For Components)
19	870-0550-09	9	Nut, Flange Head (3/8-16)	45	323-1637	1	Socket, Connector (2 Place)
20	130-4582	1	Bracket, Mounting				
21	800-0055	1	Screw, Cap - Hex Head (3/8-16 x 2-1/4°)				
22	520-0544	2	Stud, Mounting (3/8-16 x 1-3/16°)				
23	526-0128	2	Washer, Flat (3/8°)				
24	821-5002-03	4	Screw, Self-Locking - Hex Washer Head (1/4-20 x 1/2°)				
25	319-2815	1	Cover, Box				
26			Heater, Engine Coolant				
	333-0569-01	2	4990 Watt				
	333-0569-02	2	6420 Watt				

Engine Coolant Heater Control Begin Spec F

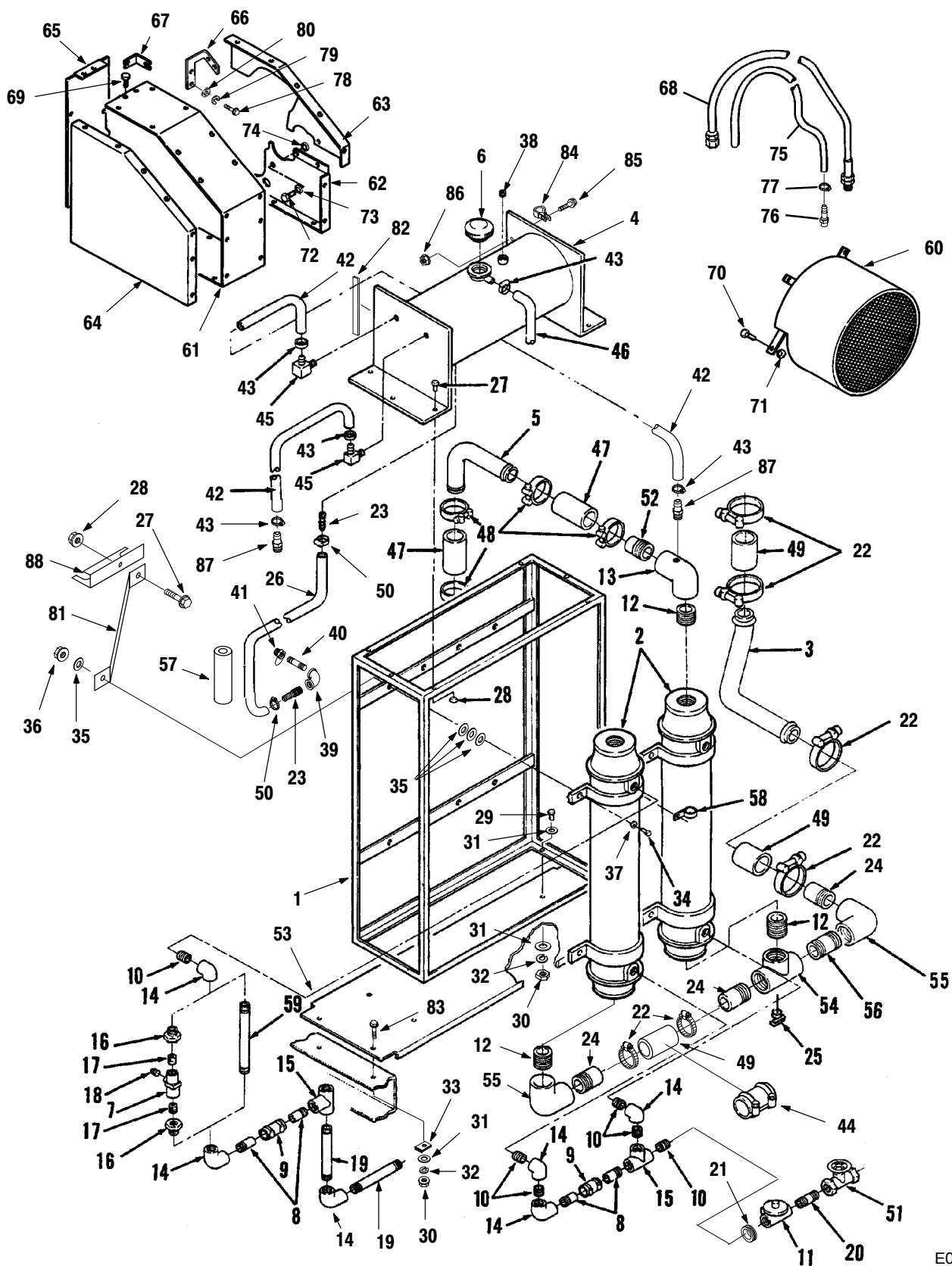


Engine Coolant Heater Control Begin Spec F

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-4552	2	Cover, Coolant Heater	10	323-1502	1	*Wedge, Receptacle (Used With J3)
2	338-3335-04	1	Harness, Wiring - AC (From Coolant Heater Bottom To Lower Mounting Hole On Coolant Heater Control Box) (Includes Conduit Connectors) (25°)	11	323-1504	2	*Connector, Plug (2 Pin) (P4, P5)
3	338-3335-05	1	Harness, Wiring - AC (From Coolant Heater Bottom To Upper Mounting Hole On Coolant Heater Control Box) (Includes Conduit Connectors) (15°)	12	323-1500	2	*Wedge, Plug (Used With P4, P5)
4	331-0042	1	Connector, Wiring - DC - Romex (3/4°)	13	323-1652	1	*Connector, Plug - 2-Way (2 Pin) (P11)
5	338-3388	1	Harness, Wiring - DC (From Engine Coolant Heater Control Box To Engine Coolant Heaters, Engine And Main Engine Harness) (Includes Parts Marked *)	14	323-1718	2	*Pin, Contact (Used In P11)
6	357-0030	1	*Rectifier (6 Amp) (Located at K11 end of harness) (CR1)	15	323-1576	2	*Seal, Cable (Used With P11)
7	323-1491	3	*Pin, Contact (Used In J3)	16	517-0138-02	2	Plug, Hole (Fits 1-1/8° Hole)
8	323-1492	4	*Socket, Contact (Used In P4, P5)	17	319-2814	1	Box, Terminal
9	323-1494	1	*Connector, Receptacle (3 Pin) (J3)	18	332-3440	2	Jumper, Terminal
				19	307-2859	1	Relay, Power - 24VDC (K11)
				20	815-0447	4	Screw, Machine - Round Head - Cross Recessed W/IT - Thread Forming (#8-32 x 3/4°)
				21	332-1469	1	Strip, Marker
				22	332-1468	1	Block, Terminal - 12 Place (TB1)
				23	331-0555	4	Nut, Connector Lock (3/4-14)
				24	331-0554	4	Connector, Conduit - 90 Deg (3/4°)

* - Parts Included in 338-3388 DC Wiring Harness

Heat Exchanger



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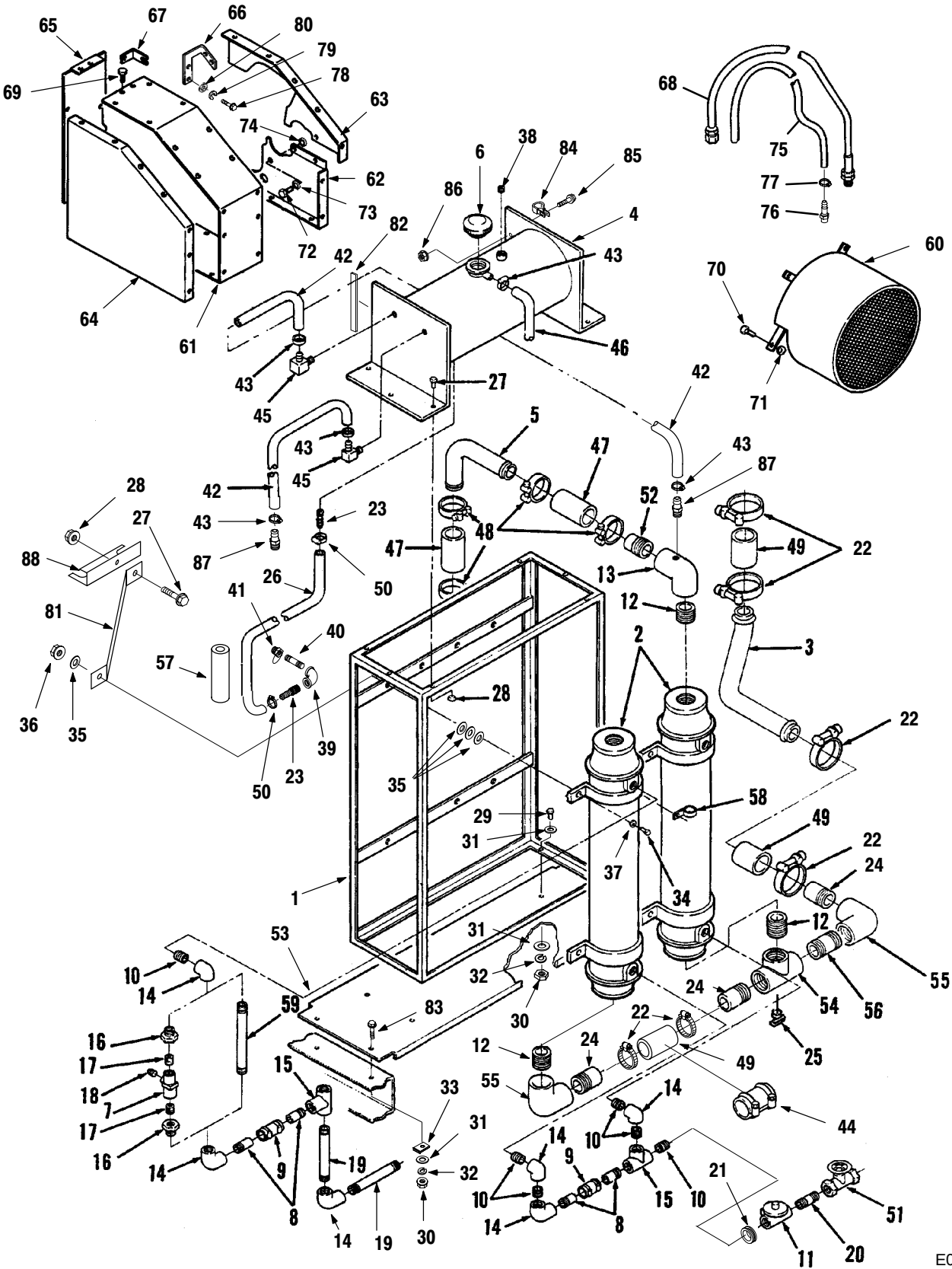
Heat Exchanger

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	403-1691	1	Frame, Heat Exchanger	37	850-0055	8	Washer, Lock - Spring (7/16 ^o)
2	130-1430	2	Exchanger, Heat	38	505-0180	2	Pipe, Plug - Countersunk (1/4 ^o)
3	130-3875	1	Tube, Outlet	39	505-0041	1	Elbow, Pipe - 90 Deg (1 ^o)
4	130-1515	1	Tank, Water	40	505-0004	1	Nipple, Pipe - Close (1 ^o)
5	130-3876	2	Tube (90 Deg x 3 ^o OD)	41	505-0023	1	Bushing, Pipe - Reducer (1-1/4 ^o to 1 ^o)
6	130-0449	1	Cap, Pressure	42			Hose Spec A and B (Flexible line with fittings)
7	505-1072	2	* Valve, Water				# 1/4 ^o ID x 22 ^o
8	505-1087	4	Nipple, Pipe - Half (2 ^o x 6 ^o)		501-0247	2	# 1/4 ^o ID x 48 ^o
9	505-1071	2	Coupling, Flexible (For 2 ^o Pipe)		501-0247	2	Begin Spec C - Bulk (1/4 ^o ID) (Order By The Foot - 18 Feet Required)
10	505-0172	7	Nipple, Pipe - Close (2 ^o x 2 ^o)		503-1418	-	Clamp, Hose Spec A ang B
11	307-0844	1	Valve, Water Solenoid				Begin Spec C
12	505-0382	4	Nipple, Pipe - Close (3 ^o x 2-5/8 ^o)	43	503-0685	5	Coupling, Flexible (For 3 ^o Pipe) Spec A and B
13	505-1086	2	Elbow, Pipe - 90 Deg (With 1/8 ^o Tapped Hole)		503-0685	9	Elbow, Hose - 90 Deg (1/8 ^o Pipe to 1/4 ^o Hose)
14	505-0175	7	Elbow, Pipe - 90 Deg (2 ^o)	44	505-1070	1	Hose - Bulk (Order By The Foot)
15	505-0374	2	Tee, Pipe (2 ^o)	45	502-0313	4	Spec A and B (1/2 ^o ID) (8-1/2 Feet Required)
16	505-0187	4	* Bushing, Pipe - Reducer (2 ^o to 1-1/2 ^o)	46			Begin Spec C (3/8 ^o ID) (12 Feet Required)
17	505-0220	4	* Nipple, Pipe - Close (1-1/2 ^o x 1-3/4 ^o)		503-0110	-	Hose (3 ^o ID x 5-1/2 ^o)
18	505-0402	2	* Plug, Pipe - Square Head (1-1/2 ^o)	47	503-1728	4	Clamp, Hose Spec A and B (T-Bolt Type)
19	505-0406	2	Nipple, Pipe (2 ^o x 11-1/4 ^o)	48	503-0868	8	Begin Spec C
20	505-0401	1	Nipple, Pipe (2 ^o x 6 ^o)		503-1872-05	8	Hose (3-1/2 ^o ID)
21	508-0008	1	Grommet (Fits 7/8 ^o Hole) Begin Spec C	49	503-0856	2	Spec A and B
22			Clamp, Hose Spec A and B (T-Bolt) (4 ^o ID)		503-0569	-	Begin Spec C - Bulk (Order By The Foot - 2 Feet Required)
	503-0885	4	Begin Spec C	50			Clamp, Hose Spec A and B
	503-1872-07	6	Adapter - Pipe to Hose (1 ^o x 1 ^o)		503-0398	2	Begin Spec C
23	505-0759	2	Nipple, Pipe - Half (3 ^o x 4-1/2 ^o)	51	504-0057	1	Valve - Handwheel
24	505-1465	3	Cock, Drain	52	155-1463-01	2	Connector
25	504-0028	1	Hose Spec A and B (1 ^o ID x 43 ^o)	53	130-3874	1	Base, Mounting
26	503-0898	1	Begin Spec C - Bulk (1 ^o ID) (Order By The Foot - 5 Feet Required)				
	503-1779	-	Screw, Self-Locking - Hex Washer Head (3/8-16 x 1 ^o)				
27	821-0030	7	Nut, Locking (3/8-16)				
28	870-0281	7	Screw, Cap - Hex Head (1/2-13 x 1-1/2 ^o)				
29	800-0092	4	Nut, Hex (1/2-13)				
30	862-0016	8	Washer, Flat (1/2 ^o)				
31	526-0219	12	Washer, Lock - Spring (1/2 ^o)				
32	850-0060	8	Washer, Bevel (1/2 ^o)				
33	403-2733-01	4	Screw, Cap - Hex Head (7/16-14 x 1-3/4 ^o)				
34	800-0074	8	Washer, Flat (7/16 ^o) (Some used as spacers on heat exchanger mounting clamps) (Quantity Used As Required)				
35	526-0098	22	Nut, Hex (7/16-14)				
36	862-0004	8					

* - Parts Used On Heat Exchanger Installations With Automatic Water Regulator
 # - Cut Off And Discard Swivel Connector End Of Hose So That 1/8 NPT Connector End Measures Length As Indicated Above

Continued...

Heat Exchanger



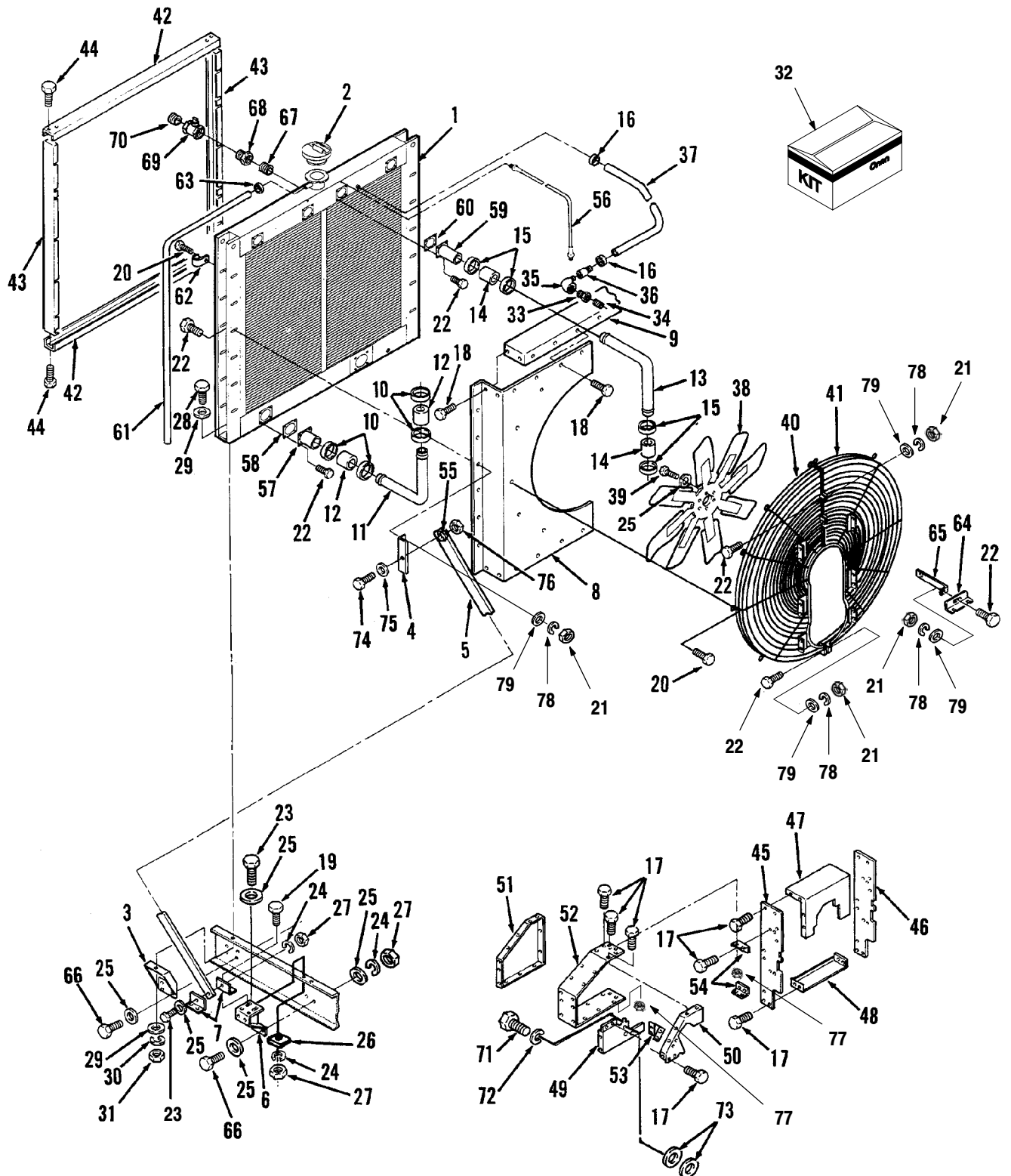
E079

Heat Exchanger

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
Continued...							
54	505-0669	1	Tee, Pipe (3 ^ø) Spec A and B (Without tapped 3/8 ^ø hole for drain cock)	76	502-0395	4	Connector, Hose (1/8 ^ø Pipe to 1/4 ^ø ID Hose) Begin Spec C
	505-1466	1	Begin Spec C (With tapped 3/8 ^ø hole for drain cock)	77	503-0685	4	Clamp, Hose - Begin Spec C
55	505-0453	2	Elbow, Pipe - 90 Deg (3 ^ø)	78	800-0052	2	Screw, Cap - Hex Head (3/8-16 x 1-1/2 ^ø) Begin Spec C
56	505-0660	1	Nipple, Pipe - Short (3 ^ø ID x 3-1/2 ^ø)	79	850-0050	2	Washer, Lock - Spring (3/8 ^ø) Begin Spec C
57	128-0135	-	Insulation, Hose - Bulk (1-1/8 ^ø ID) (Order By The Foot - 2 Feet Required)	80	526-0030	2	Washer, Flat (3/8 ^ø) Begin Spec C
58	332-2921	2	Clamp, ^a J ^ø	81	130-4019	2	Brace - Begin Spec C
59	505-0958	2	+ Nipple, Pipe Spec A and B (3 ^ø ID x 10-3/4 ^ø)	82	508-0239	-	Edging - Bulk (Order By The Foot - 1 Foot Required) Begin Spec C
	505-0749	2	Begin Spec C (2 ^ø ID x 10-1/2 ^ø)	83	800-0092	4	Screw, Cap - Hex Head Spec A and B (1/2-13 x 1-1/2 ^ø)
60	130-1182-01	1	Guard, Damper		800-0093	4	Begin Spec C (1/2-13 x 1-3/4 ^ø)
61	130-3843	1	Guard, Belt - Right Side	84	332-2634	2	Clamp, ^a J ^ø - Begin Spec C
62	130-3844	1	Guard, Belt - Bottom Back	85	821-0016	2	Screw, Self-Locking - Hex Washer Head (5/16-18 x 3/4 ^ø) Begin Spec C
63	130-3845	1	Guard, Belt - Top Back				
64	130-3842	1	Guard, Belt - Front	86	870-0257	2	Nut, Locking (5/16-18) Begin Spec C
65	130-3846	1	Guard, Belt - Left Side	87	502-0395	4	Connector, Hose - Begin Spec C
66	130-3849	1	Bracket	88	130-3850	1	Angle, Engine - Begin Spec C
67	130-3847	1	Bracket - L-Shaped				
68	501-0247	2	Line, Flexible (1/4 ^ø ID x 69 ^ø) Spec A and B				
69	821-5002-03	31	Screw, Self-Locking - Hex Washer Head (1/4-20 x 1/2 ^ø)				
70	821-5004-03	2	Screw, Self-Locking - Hex Washer Head (3/8-16 x 1 ^ø)				
71	870-0281	2	Nut, Locking (3/8-16)				
72	800-0056	2	Screw, Cap - Hex Head (3/8-16 x 2-1/2 ^ø)				
73	850-0050	2	Washer, Lock - Spring (3/8 ^ø)				
74	526-0174	4	Washer, Flat (3/8 ^ø) (Used As Spacers)				
75	503-1418	-	Hose - Bulk (1/4 ^ø ID) (Order By The Foot - 10 Feet Required) Begin Spec C				

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

Radiator Spec A Through E



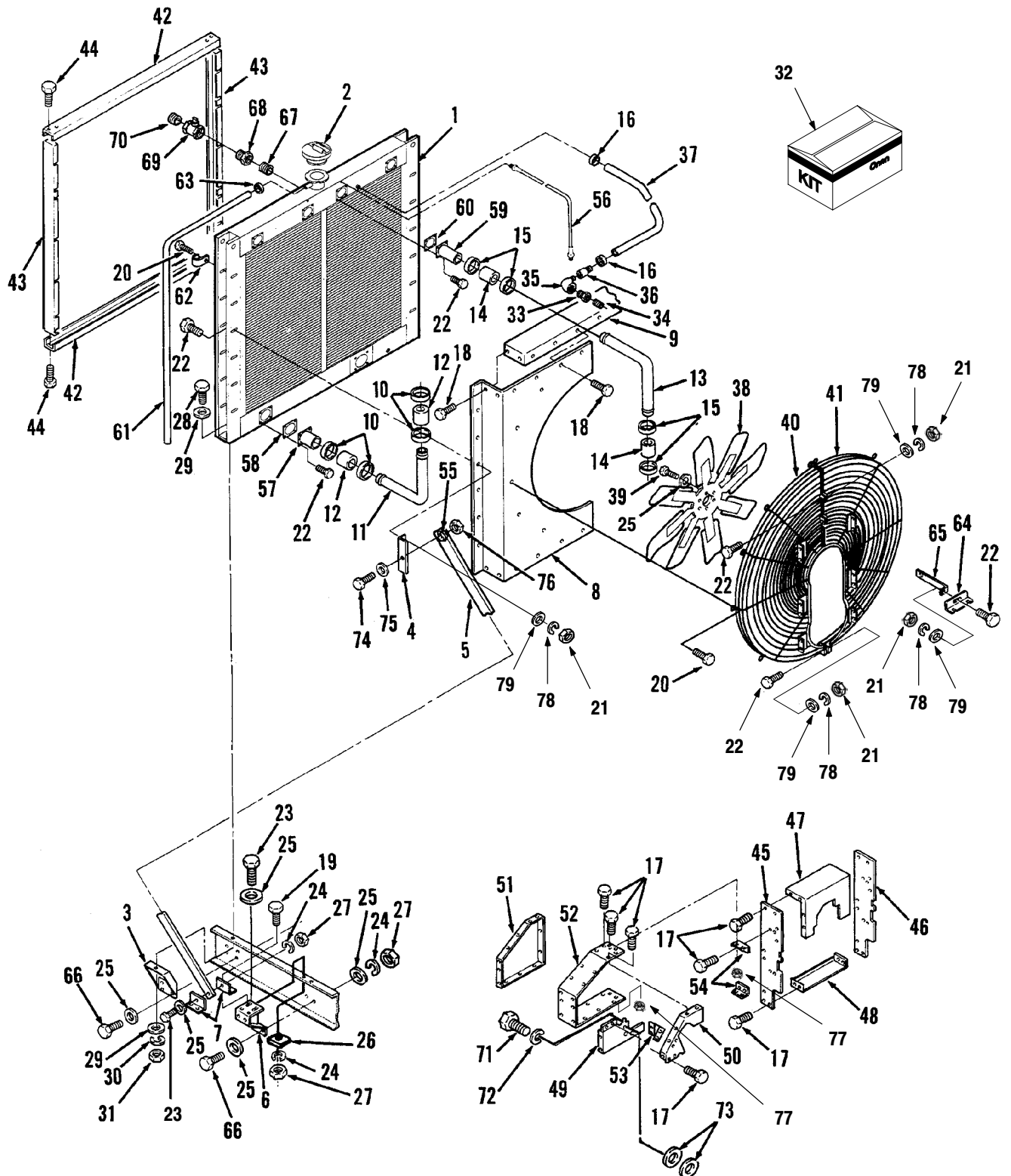
E074

Radiator Spec A Through E

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Radiator (Includes Cap, Sight Gauge And Overflow Hose) (Also Includes Cover Plates, Gaskets, Screws And Lock Washers For All Water Inlets And Outlets)	23	800-0094	6	Screw, Cap - Hex Head (1/2-13 x 2 ⁹)
	130-1197	1	Spec A Through Early Portion Of Spec D (With Fill Cap Located 5° From Radiator Center)	24	850-0060	24	Washer, Lock - Spring (1/2 ⁹) Spec A Through Early Portion Of Spec D
	130-4354	1	Later Portion Of Spec D Through Spec E (With Fill Cap Located 24° From Radiator Center)		850-0060	18	Later Portion Of Spec D Through Spec E
2			Cap, Radiator	25	526-0219	32	Washer, Flat (1/2 ⁹) Spec A Through Early Portion Of Spec D
	130-2981	1	Spec A Through Early Portion Of Spec D (Used With Radiator 130-1197)		526-0219	24	Later Portion Of Spec D Through Spec E
	130-3588	1	Later Portion Of Spec D Through Spec E (Used With Radiator 130-4354)	26	403-2733-01	4	Washer, Bevel (1/2 ⁹)
3	130-3836	2	Bracket, Support	27	862-0016	18	Nut, Hex (1/2-13)
4	130-3701	2	Bracket, Support	28	800-0156	2	Screw, Cap - Hex Head (3/4-10 x 2-1/4 ⁹)
5	130-3702	2	Support, Radiator	29	526-0027	4	Washer, Flat (3/4 ⁹)
6	130-3644	2	Support	30	850-0079	2	Washer, Lock - Spring (3/4 ⁹)
7	130-3700	4	Bracket	31	862-0008	2	Nut, Hex (3/4-10)
8			Wrapper, Fan	32	130-4362	1	Kit, Gauge - Safety Sight - Radiator (Includes Glass Bulb and O-Ring)
	130-3834	2	Used With 48° Fan	33	505-0023	1	Bushing, Pipe - Reducer (1-1/4 ⁹ to 1 ⁹)
	130-3833	2	Used With 56° Fan	34	505-0004	1	Nipple, Pipe - Close (1° x 1-1/2 ⁹)
9	130-3835	2	Shroud, Fan	35	505-0041	1	Elbow, Pipe - 90 Deg (1 ⁹)
10	503-1872-07	4	Clamp, Hose	36	505-0759	1	Adapter, Pipe to Hose (1° Pipe to 1° Hose)
11	130-1202	1	Tube, Radiator - Outlet	37	503-0860	1	Hose (1° ID x 75°)
12	503-0856	2	Hose, Radiator - Lower (3-1/2° ID x 5-1/2°)	38	130-4536	1	Fan, Radiator - 8 Blade 48°
13	130-1206	2	Tube, Radiator - Inlet		130-4537	1	56°
14	503-1728	4	Hose, Radiator - Upper (3° ID x 5-1/2°)	39	800-0108	6	Screw, Cap - Hex Head (1/2-13 x 6-1/2°)
15	503-1872-05	8	Clamp, Hose	40	130-3832-01	1	Guard, Fan - Right Side
16	503-1872-01	2	Clamp, Hose	41	130-3832-02	1	Guard, Fan - Left Side
17	821-5002-03	58	Screw, Self-Locking - Hex Washer Head (1/4-20 x 1/2°)	42	130-1419	2	Flange, Radiator - Top and Bottom)
18	821-5003-01	24	Screw, Self-Locking - Hex Washer Head (5/16-18 x 1/2°)	43	130-3215	2	Flange, Radiator - Sides
19	815-0384	8	Screw, Thread Forming - Hex Washer Head (3/8-16 x 3/4°)	44	821-0010	8	Screw, Self-Locking - Hex Washer Head (1/4-20 x 1/2°)
20	821-5004-02	20	Screw, Self-Locking - Hex Washer Head (3/8-16 x 3/4°)	45	130-3839-01	1	Guard, Belt - Right Side
21	870-0550-09	16	Nut, Locking - Hex (3/8-16)	46	130-3839-02	1	Guard, Belt - Left Side
22			Screw, Self-Locking - Hex Washer Head (3/8-16 x 1°)	47	130-3840	1	Guard, Belt - Top
	821-0030	22	Spec A Through Early Portion Of Spec D	48	130-3841	1	Guard, Belt - Bottom
	821-5004-03	14	Later Portion Of Spec D Through Spec E	49	130-3844	1	Guard, Belt - Bottom Back
				50	130-3845	1	Guard, Belt - Top Back
				51	130-3842	1	Guard, Belt - Front
				52	130-3843	1	Guard, Belt - Side

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Radiator Spec A Through E

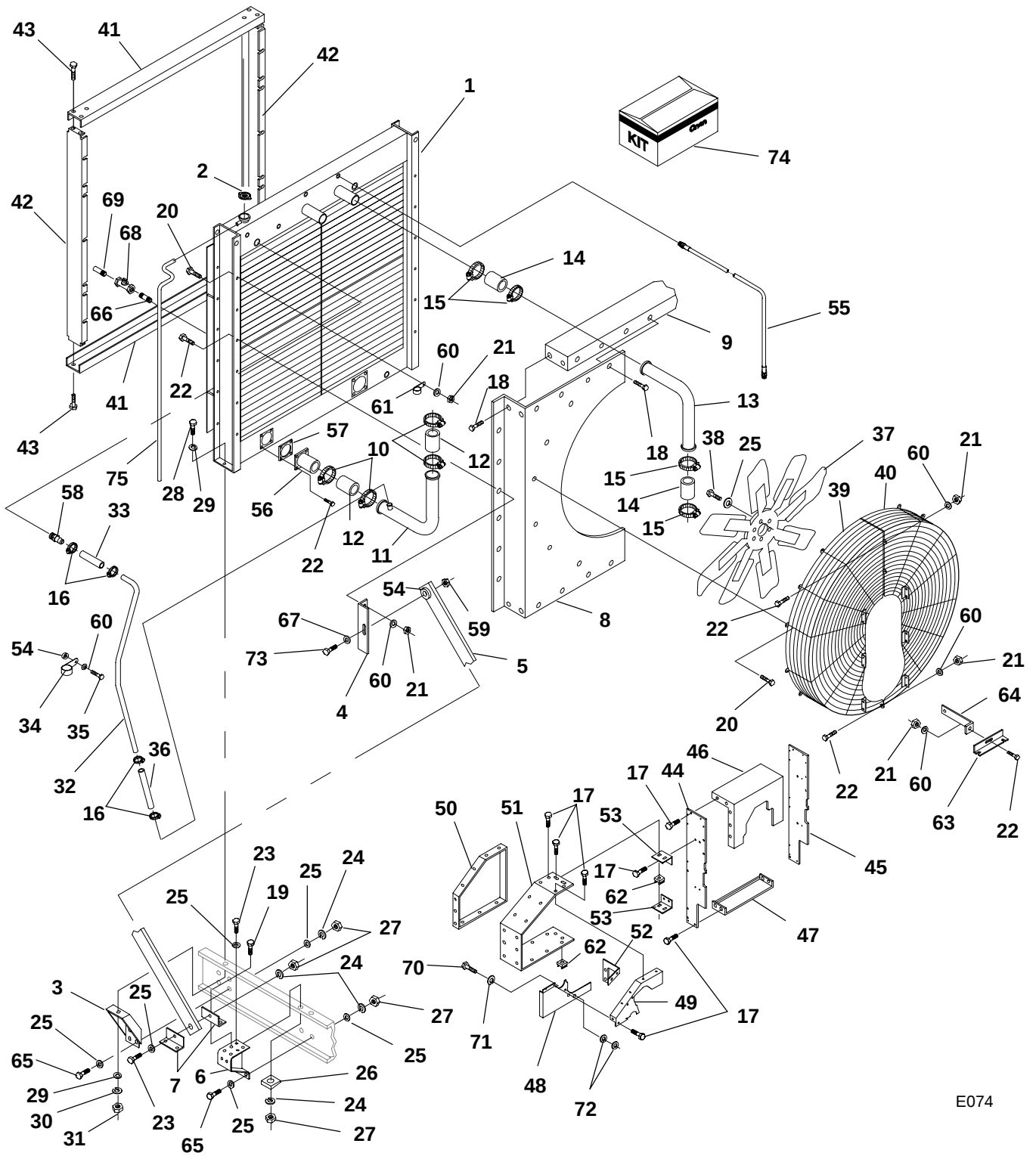


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Radiator Spec A Through E

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
Continued...							
53	130-3849	1	Bracket	69			Valve, Shutoff
54	130-3848	2	Bracket	504-0171	1		Spec A Through Early
55	130-3660-01	2	Spacer, Shock Absorber				Portion Of Spec D (3/4°)
56	501-0585	2	Line, Flexible (1/4° ID x 49°)	504-0011	1		Later Portion Of Spec D
57	130-1222	1	Adapter, Outlet				Through Spec E (1/2°)
58	130-1193	1	Gasket, Adapter	70			Nipple, Pipe - Half
59	130-1203	2	Adapter, Inlet (Spec A	505-0324	1		Spec A Through Early
			Through Early Portion Of				Portion Of Spec D (3/4° x
			Spec D				2°)
60	130-1227	2	Gasket, Adapter (Spec A	505-0185	1		Later Portion Of Spec D
			Through Early Portion Of				Through Spec E (1/2° x
			Spec D				1-1/2°)
61			Hose, Overflow - Bulk (Order	71	800-0056	1	Screw, Cap - Hex Head
			By The Foot)				(3/8-16 x 2-1/2°)
	503-1620	-	Spec A Through Early	72	850-0050	1	Washer, Lock - Spring (3/8°)
			Portion Of Spec D (3/8°	73	526-0174	2	Washer, Flat (3/8°) (Used As
			ID) 9 Feet Required				Spacers)
	503-1418	-	Later Portion Of Spec D	74	800-0075	2	Screw, Cap - Hex Head
			Through Spec E (1/4°				(7/16-14 x 2°)
			ID) 7 Feet Required	75	526-0141	2	Washer, Flat (7/16°)
62	332-2634	2	Clamp, ^a J°	76	870-0437	2	Nut, Locking - Hex Head
63	503-0685	1	Clamp, Hose (Spec A				(7/16-14)
			Through Early Portion Of	77	870-0494	4	Nut, Captive - Floating
			Spec D				(1/4-20)
64	130-3850	1	Angle, Engine	78	850-0114-07	16	Washer, Lock - Spring (3/8°)
65	130-3851	1	Angle, Stiffener	79	526-0399-19	16	Washer, Flat (3/8°)
66	800-0092	12	Screw, Cap - Hex Head				
			(1/2-13 x 1-1/2°)				
67	505-0100	1	Nipple, Pipe (1/2° x 1-1/8°)				
68	505-0021	1	Bushing, Pipe - Reducer				
			(3/4° to 1/2°) Spec A				
			Through Early Portion Of				
			Spec D				

Radiator Begin Spec F

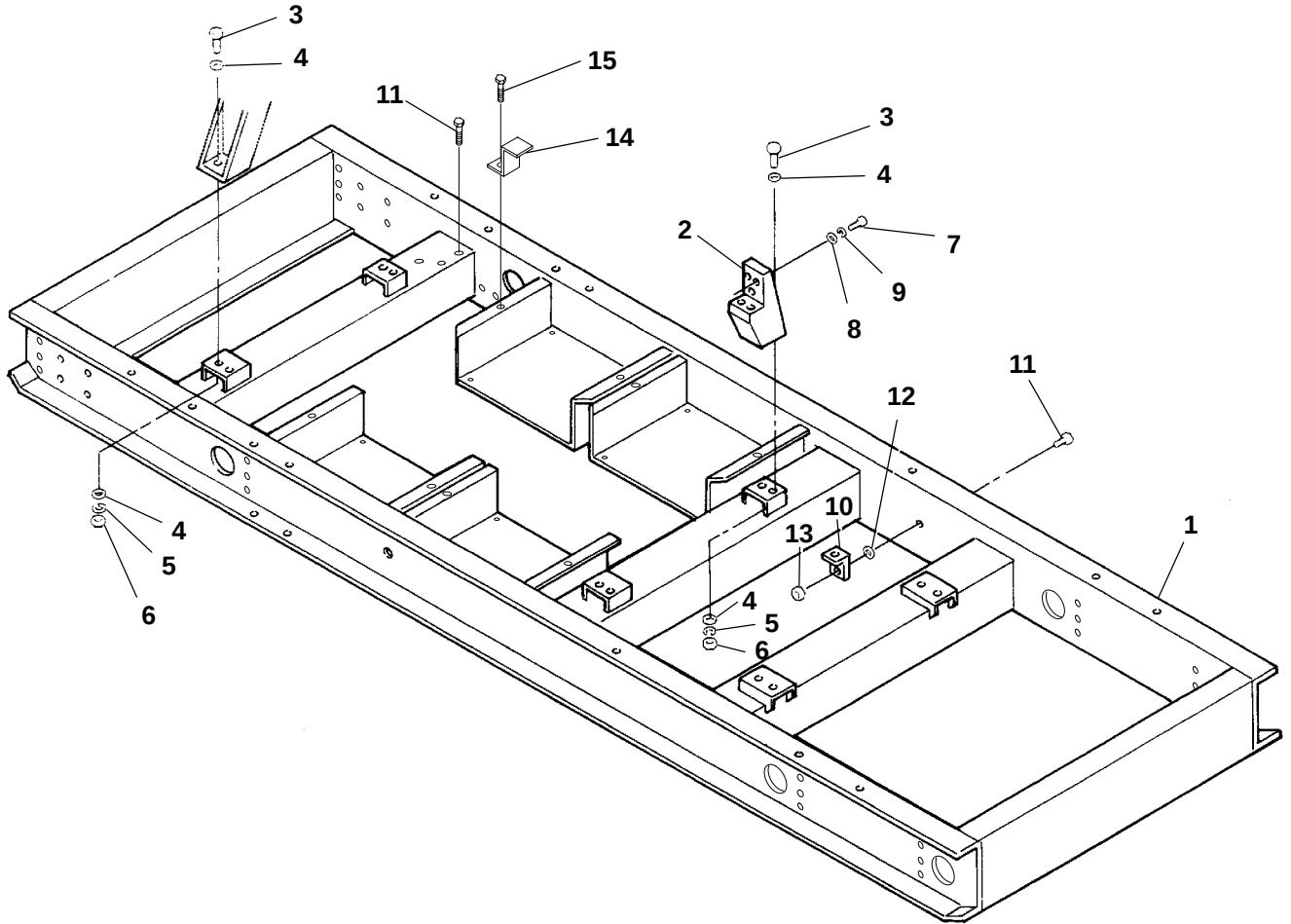


E074

Radiator Begin Spec F

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-4354	1	Radiator (Includes Cap, Sight Gauge And Overflow Hose) (Also Includes Cover Plates, Gaskets, Screws And Lock Washers For All Water Outlets)	37			Fan, Radiator - 8 Blade 48°
					130-4536	1	56°
					130-4537	1	
				38	800-0108	6	Screw, Cap - Hex Head (1/2-13 x 6-1/2°)
2	130-3588	1	Cap, Radiator	39	130-3832-01	1	Guard, Fan - Right Side
3	130-3836	2	Bracket, Support	40	130-3832-02	1	Guard, Fan - Left Side
4	130-3701	2	Bracket, Support	41	130-1419	2	Flange, Radiator - Top and Bottom
5	130-3702	2	Support, Radiator	42	130-3215	2	Flange, Radiator - Sides
6	130-3644	2	Support	43	821-0010	8	Screw, Self-Locking - Hex Washer Head (1/4-20 x 1/2°)
7	130-3700	4	Bracket				
8			Wrapper, Fan				
	130-3834	2	Used With 48° Fan	44	130-3839-01	1	Guard, Belt - Right Side
	130-3833	2	Used With 56° Fan	45	130-3839-02	1	Guard, Belt - Left Side
9	130-3835	2	Shroud, Fan	46	130-3840	1	Guard, Belt - Top
10	503-1872-07	4	Clamp, Hose	47	130-3841	1	Guard, Belt - Bottom
11	130-4659	1	Tube, Radiator - Outlet	48	130-3844	1	Guard, Belt - Bottom Back
12	503-0856	2	Hose, Radiator - Lower (3-1/2° ID x 5-1/2°)	49	130-3845	1	Guard, Belt - Top Back
				50	130-3842	1	Guard, Belt - Front
13	130-1206	2	Tube, Radiator - Inlet	51	130-3843	1	Guard, Belt - Side
14	503-1728	4	Hose, Radiator - Upper (3° ID x 5-1/2°)	52	130-3849	1	Bracket
				53	130-3848	2	Bracket
15	503-1872-05	8	Clamp, Hose	54	130-3660-01	3	Spacer, Shock Absorber
16	503-1872-01	4	Clamp, Hose	55	501-0585	2	Line, Flexible (1/4° ID x 49°)
17	821-5002-03	58	Screw, Self-Locking - Hex Washer Head (1/4-20 x 1/2°)	56	130-1222	1	Adapter, Outlet
				57	130-1193	1	Gasket, Outlet Adapter
				58	505-0759	1	Adapter, Pipe to Hose (1° Pipe to 1° Hose)
18	821-5003-01	24	Screw, Self-Locking - Hex Washer Head (5/16-18 x 1/2°)	59	870-0437	2	Nut, Locking - Hex Head (7/16-14)
19	815-0384	8	Screw, Thread Forming - Hex Washer Head (3/8-16 x 3/4°)	60	526-0399-19	17	Washer, Flat (3/8°)
				61	332-2634	2	Clamp, Hose
				62	870-0494	4	Nut, Captive - Floating (1/4-20)
20	821-5004-02	20	Screw, Self-Locking - Hex Washer Head (3/8-16 x 3/4°)	63	130-3850	1	Angle, Engine
				64	130-3851	1	Angle, Stiffener
21	870-0550-09	16	Nut, Locking - Hex (3/8-16)	65	800-0092	12	Screw, Cap - Hex Head (1/2-13 x 1-1/2°)
22	821-5004-03	14	Screw, Self-Locking - Hex Washer Head (3/8-16 x 1°)	66	505-0100	1	Nipple, Pipe (1/2° x 1-1/8°)
23	800-0094	6	Screw, Cap - Hex Head (1/2-13 x 2°)	67	526-0141	2	Washer, Flat (7/16°)
				68	504-0011	1	Valve, Shutoff
24	850-0060	18	Washer, Lock - Spring (1/2°)	69	505-0185	1	Nipple, Pipe - Half (1/2° x 1-1/2°)
25	526-0219	24	Washer, Flat (1/2°)				
26	403-2733-01	4	Washer, Bevel (1/2°)	70	800-0056	1	Screw, Cap - Hex Head (3/8-16 x 2-1/2°)
27	862-0016	18	Nut, Hex (1/2-13)				
28	800-0156	2	Screw, Cap - Hex Head (3/4-10 x 2-1/4°)	71	850-0050	1	Washer, Lock - Spring (3/8°)
				72	526-0174	2	Washer, Flat (3/8°) (Used As Spacers)
29	526-0027	4	Washer, Flat (3/4°)				
30	850-0079	2	Washer, Lock - Spring (3/4°)	73	800-0075	2	Screw, Cap - Hex Head (7/16-14 x 2°)
31	862-0008	2	Nut, Hex (3/4-10)				
32	130-4660	1	Tube, Fill	74	130-4362	1	Kit, Gauge - Safety Sight - Radiator (Includes Glass Bulb and O-Ring)
33	503-1634	1	Hose (1° ID x 4°)				
34	518-0548-20	1	Clamp, Hose				
35	800-0053	1	Screw, Cap - Hex Head (3/8-16 x 1-3/4°)	75	503-1418	-	Hose, Overflow - Bulk (1/4° ID) (Order By The Foot - 7 Feet Required)
36	503-1779	-	Hose - Bulk (1° ID) (Order By The Foot - 1 Foot Required)				

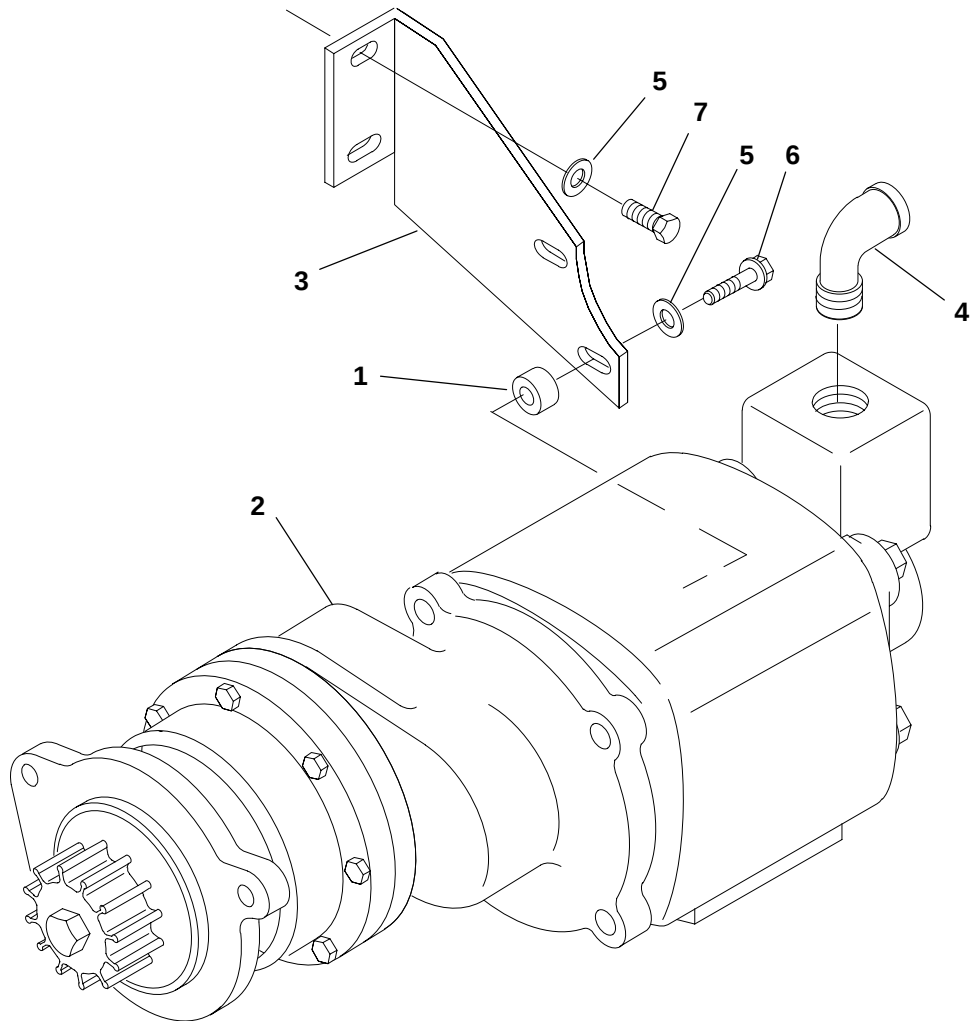
Skid



B374,CP01,E043,H556,H557,P074,P077

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	403-3157	1	Skid Model HC5, HC6 Generators	8	526-0112	10	Washer, Flat (5/8 ⁹)
	403-3411	1	Model HC7 Generators - Begin Spec D	9	850-0070	10	Washer, Lock - Spring (5/8 ⁹)
2	403-2807	2	Support, Flywheel Housing	10	332-2001	1	Lug, Solderless - Grounding
3	800-0158	8	Screw, Cap - Hex Head (3/4-10 x 2-3/4 ⁹)	11	821-5004-03	6	Screw, Self-Locking - Hex Washer Head (3/8-16 x 1 ⁹)
4	526-0027	16	Washer, Flat (3/4 ⁹)	12	856-0010	1	Washer, Lock - EIT (3/8 ⁹)
5	850-0079	8	Washer, Lock - Spring (3/4 ⁹)	13	870-0281	1	Nut, Locking - Hex Head (3/8-16)
6	862-0008	8	Nut, Hex (3/4-10)	14	416-0850	8	Bracket, Retaining - Battery
7	800-0134	10	Screw, Cap - Hex Head (5/8-11 x 2 ⁹)	15	800-0048	8	Screw, Cap - Hex Head (3/8-16 x 3/4 ⁹)

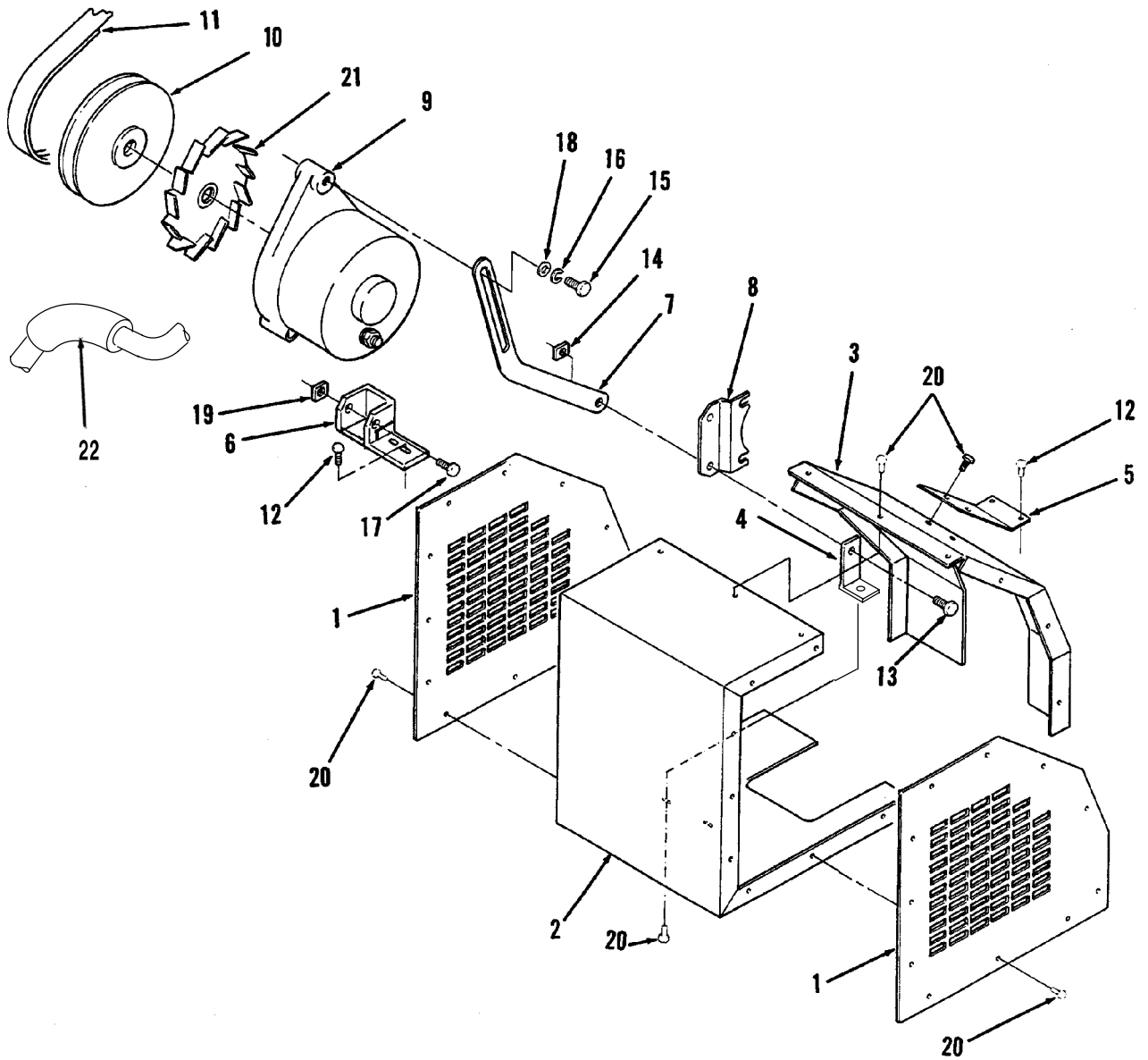
Air Starter Begin Spec D



A300

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	122-0732-03	2	Spacer, Mounting	6	800-2086	2	Screw, Cap - Hex Head (M10 x 25mm)
2	127-0390-01	1	Starter, Air	7	815-0724	2	Screw, Cap - Hex Locking Head (3/8-16 x 1-1/4 ⁹)
3	127-0391	1	Brace, Starter				
4	502-1054-08	1	Elbow, Pipe - Street (1-1/2 ⁹)				
5	526-0350	4	Washer, Flat (.406 ⁹ ID x .875 ⁹ OD x .125 ⁹ Thk)				

Alternator 45 Amp

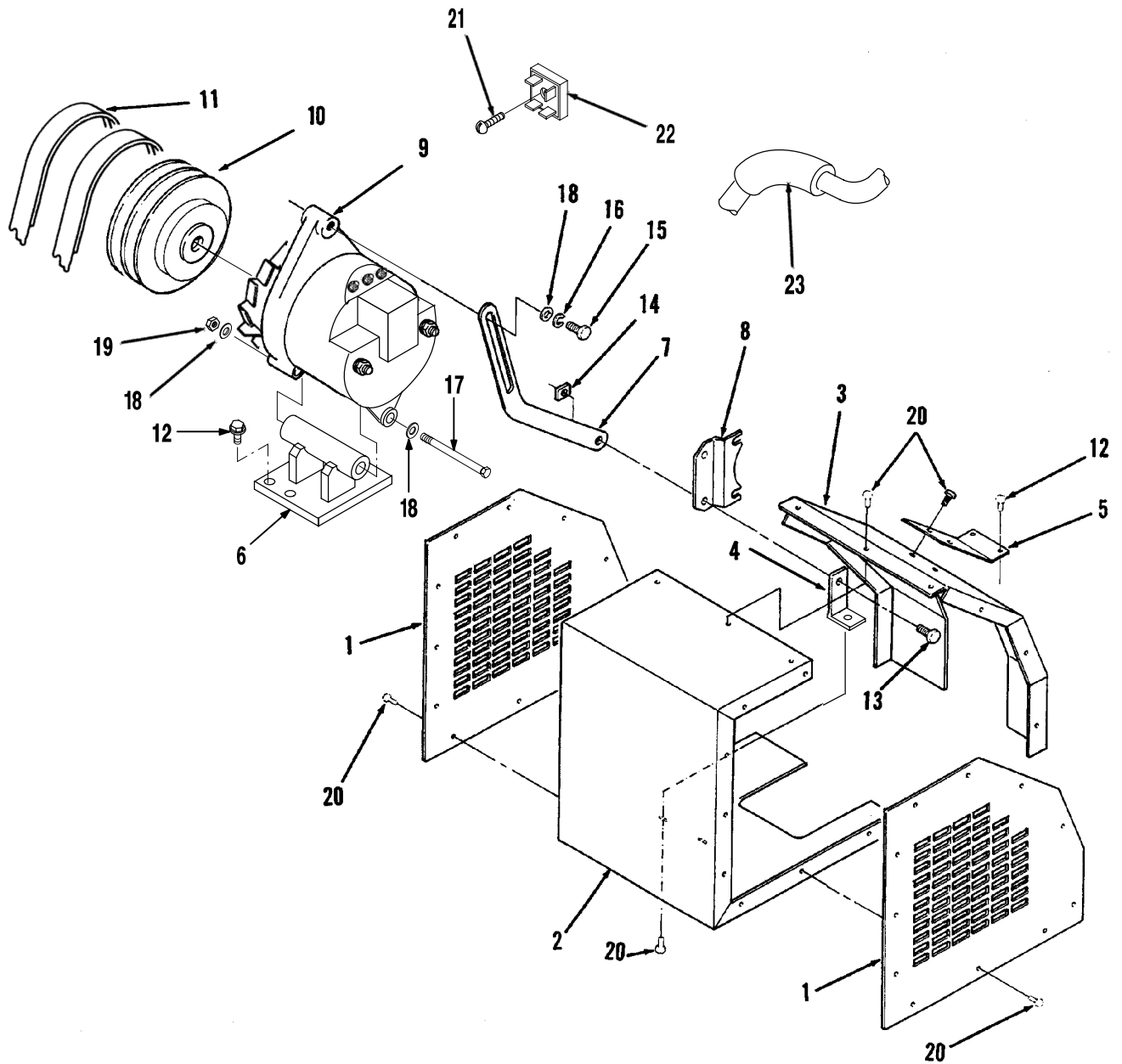


A333

Alternator 45 Amp

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	191-2015	2	Guard - Front and Rear	13	821-0030	1	Screw, Self-Locking - Hex Washer Head (3/8-16 x 1 ⁹)
2	191-2016	1	Guard - Left Side	14	870-0281	1	Nut, Locking (3/8 ⁹)
3	191-2014	1	Guard - Right Side	15	800-2059	1	Screw, Cap - Hex Head (M8 x 30mm)
4	191-2013	1	Bracket, Guard	16	850-2008	1	Washer, Lock - Spring (M8)
5	191-2012	1	Bracket, Guard	17	800-2096	1	Screw, Cap - Hex Head (M10 x 75mm)
6	191-2005	1	Bracket, Mounting	18	526-0030	1	Washer, Flat (3/8 ⁹)
7	191-2004-01	1	Bracket, Adjusting	19	870-2056	1	Nut, Locking (M10)
8	191-2003	1	Bracket	20	821-5002-03	28	Screw, Self-Locking - Hex Washer Head (1/4-20 x 1/2 ⁹)
9	191-1983-02	1	Alternator (45 Amp) (Includes Regulator)	21	191-1981	1	Fan
	191-2121	1	Voltage Regulator (Not Illustrated)	22	128-0135	-	Insulation, Hose - Bulk (1-1/8 ⁹ ID) (Order By The Foot - 1 Foot Required)
10	191-1982	1	Pulley				
11	511-0105	1	Belt				
12	821-5004-02	4	Screw, Self-Locking - Hex Washer Head (3/8-16 x 3/4 ⁹)				

Alternator
75 Amp
Spec C Through F

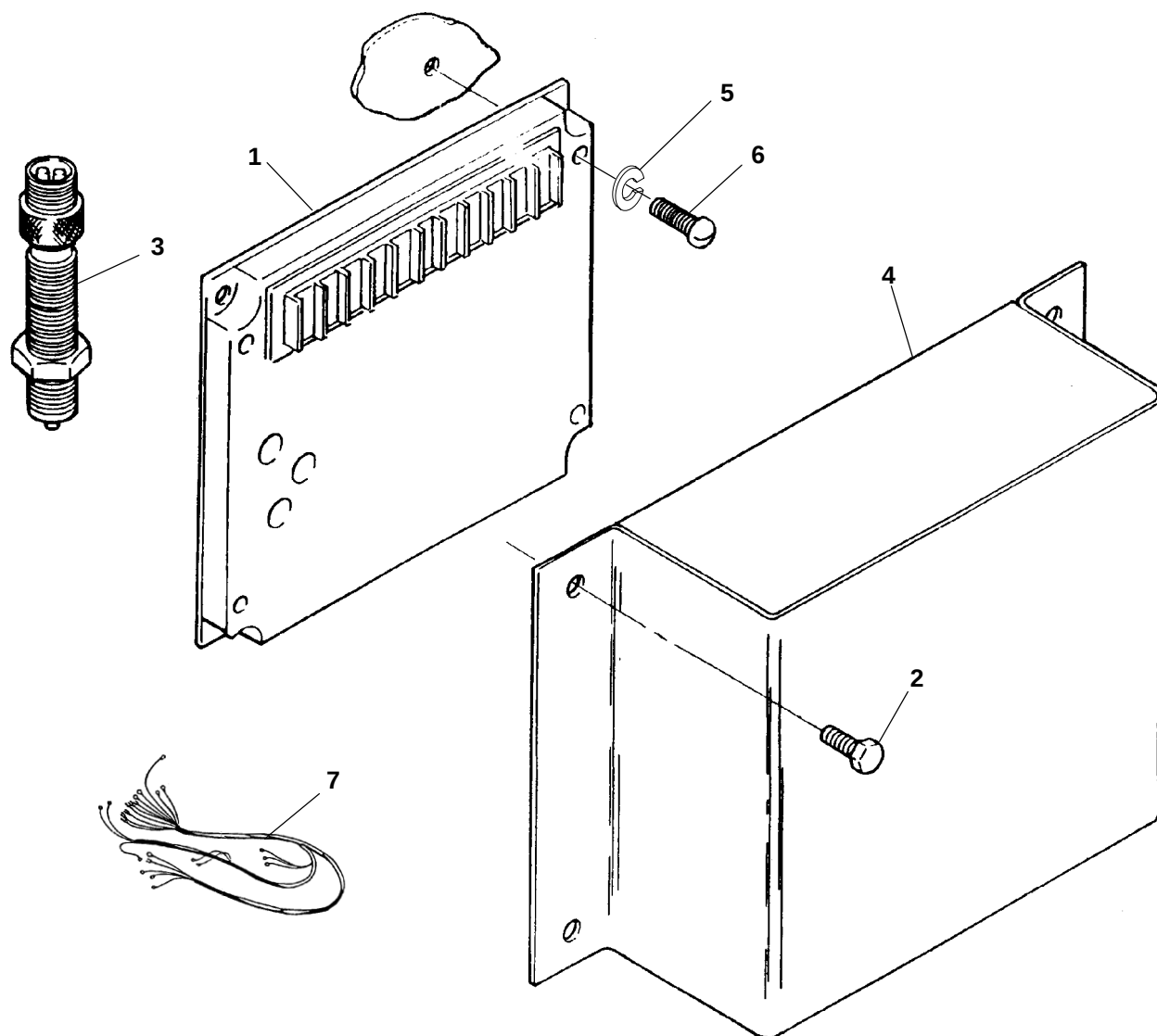


A305

**Alternator
75 Amp
Spec C Through F**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	191-2015	2	Guard - Front and Rear	16	850-0060	1	Washer, Lock - Spring (1/2 ⁹)
2	191-2016	1	Guard - Left Side	17	800-0237	1	Screw, Cap - Hex Head (1/2-20 x 6-1/2 ⁹)
3	191-2014	1	Guard - Right Side	18	526-0353	3	Washer, Flat (1/2 ⁹)
4	191-2013	1	Bracket, Guard	19	870-0452	1	Nut, Locking (1/2-20)
5	191-2012	1	Bracket, Guard	20	821-5002-03	28	Screw, Self-Locking - Hex Washer Head (1/4-20 x 1/2 ⁹)
6	191-2008	1	Bracket, Mounting	21	813-0105	1	Screw, Machine - Round Head (#10-32 x 1 ⁹)
7	191-2004-02	1	Bracket, Adjusting				Generator Sets With Detector Control
8	191-2003	1	Bracket, Mounting	22	305-0653	1	Rectifier (35 Amp, 800 Volts) Generator Sets With Detector Control
9	191-1926-02	1	Alternator (75 Amp)	23	128-0135	-	Insulation, Hose - Bulk (1-1/8 ⁹ ID) (Order By The Foot - 1 Foot Required)
10	130-3176-02	1	Pulley				
11	511-0105	2	Belt				
12	821-5004-02	6	Screw, Self-Locking - Hex Washer Head (3/8-16 x 3/4 ⁹)				
13	821-0030	1	Screw, Self-Locking - Hex Washer Head (3/8-16 x 1 ⁹)				
14	870-0281	1	Nut, Locking (3/8 ⁹)				
15	800-0215	1	Screw, Cap - Hex Head (1/2-13 x 1-1/2 ⁹)				

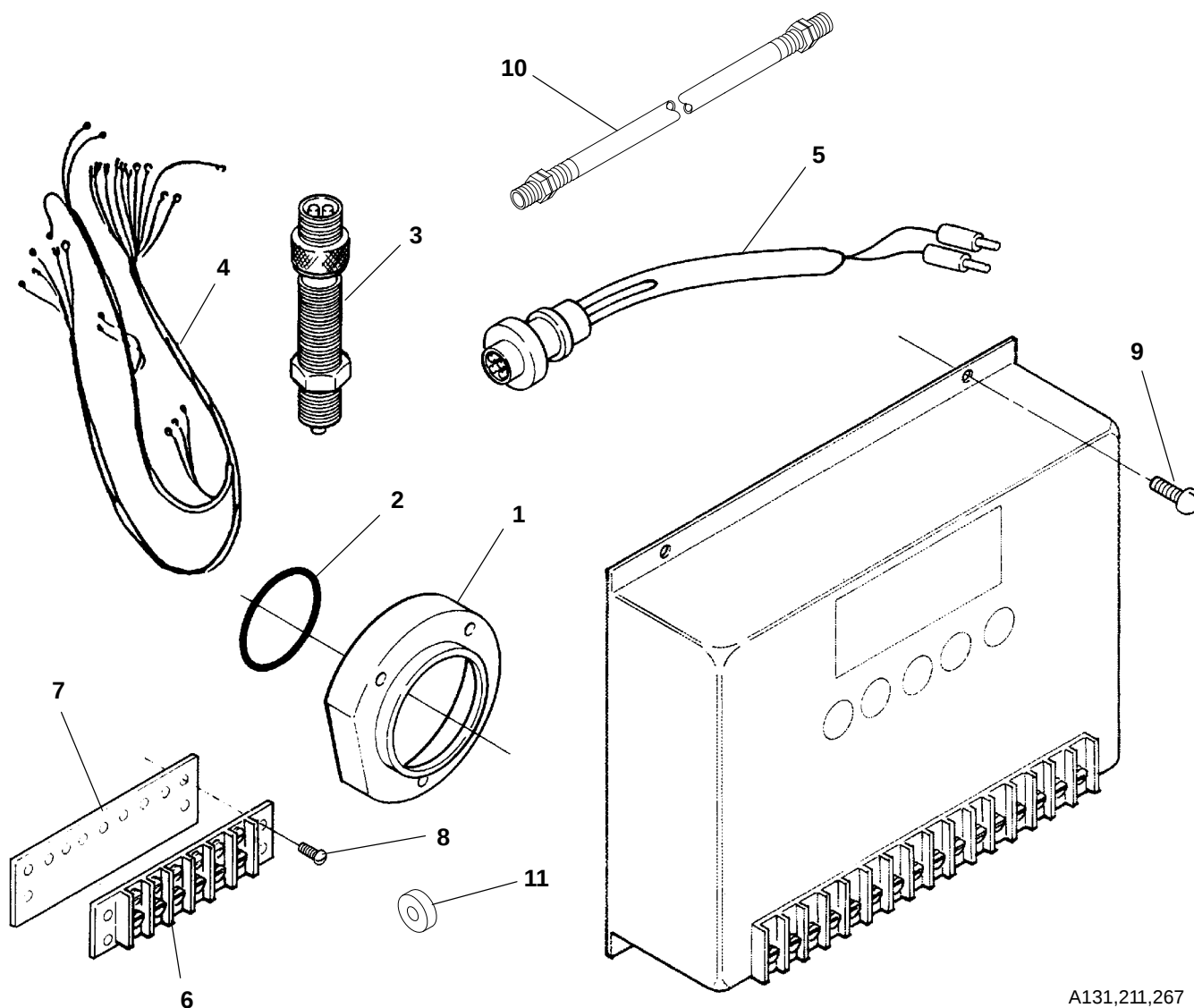
Electronic Governor



A332

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	151-0637-01	1	Control, Governor	6			Screw
2			Screw, Self-Locking - Hex Washer Head	813-0103	4		Spec A Through F - Machine - Round Head (#10-32 x 3/4")
	821-5002-03	4	Spec A Through F (1/4-20 x 1/2")	821-6001-03	4		Begin Spec G - Self-Locking - Hex Washer Head (M5 x 16mm)
	821-6002-03	4	Begin Spec G (M6 x 20mm)	7	338-2633	1	Harness, Wiring - Electronic Governor (6 Wire, 94") (A16 to P1,GND,T26,ACT) Spec A Through E
3	151-0411	1	Pickup, Magnetic				
4	150-2213	1	Cover, Governor Control				
5	850-0030	4	Washer, Lock - Spring (#10) Spec A Through F				

Woodward Governor



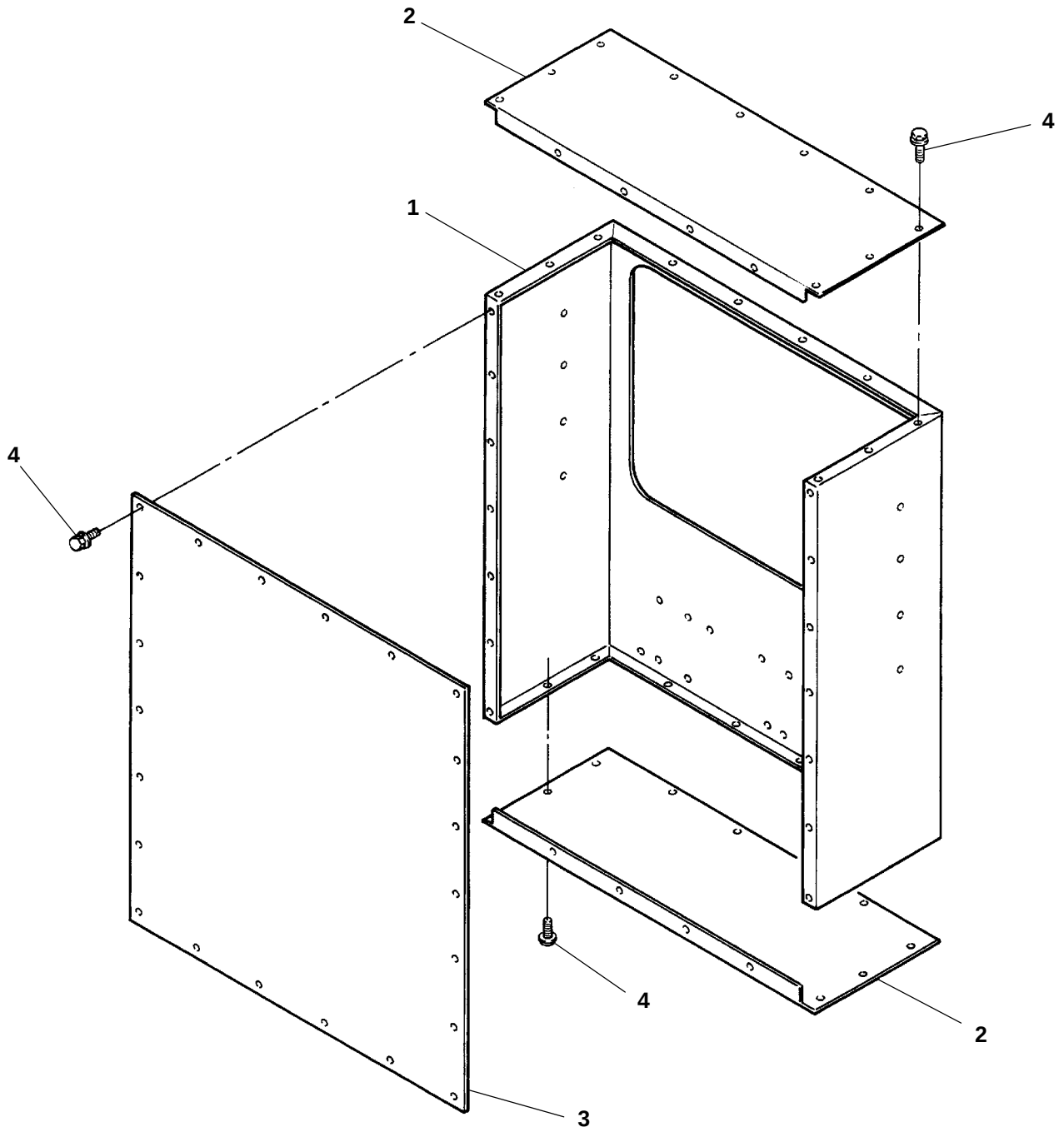
A131,211,267

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	150-2334	1	Plug - Fuel Pump EFC Cavity
2	509-0272-02	1	Seal, O-Ring - EFC Cavity Plug
3	151-0411	1	* Pickup, Magnetic
4	338-2633	1	* Harness, Wiring - Governor Control - Spec A Through E (6 Wire, 94°) (A16 to P1,GND,T26,ACT)
5	338-2538	1	* Harness, Wiring - Adapter - Woodward Governor to Engine Harness (12°) (ACT to ACT)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
6	332-0699	2	* Block, Terminal (6 Place)
7	332-0970	2	* Strip, Marker
8	822-1050	4	* Screw, Machine - Round Head (#8-32 x 3/4°)
9	813-0103	4	* Screw, Machine - Round Head (#10-32 x 3/4°)
10	501-0537-15	1	Hose, Fuel Pump (8°)
11	151-0663-02	1	Spacer (21/64° ID x 1/4°)

* - Not Used On All Models

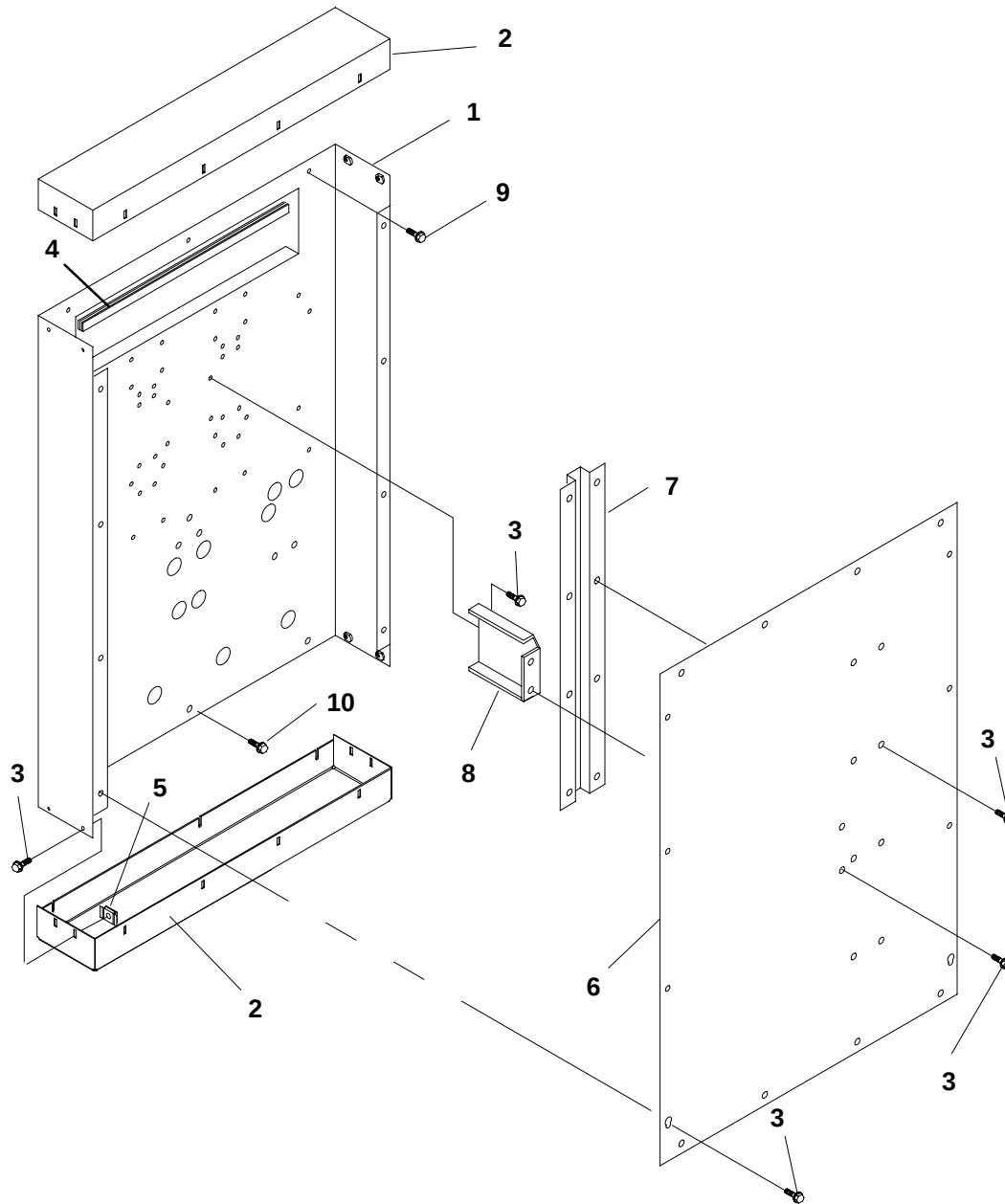
Entrance Box Spec A and B



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-0890	1	Box, Entrance
2	319-0892	2	Cover
3	319-0888	1	Cover

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	821-0010	52	Screw, Self-Locking - Hex Washer Head (1/4-20 x 1 1/2")

Entrance Box **Model HC5 Generators** **Spec C Through F**

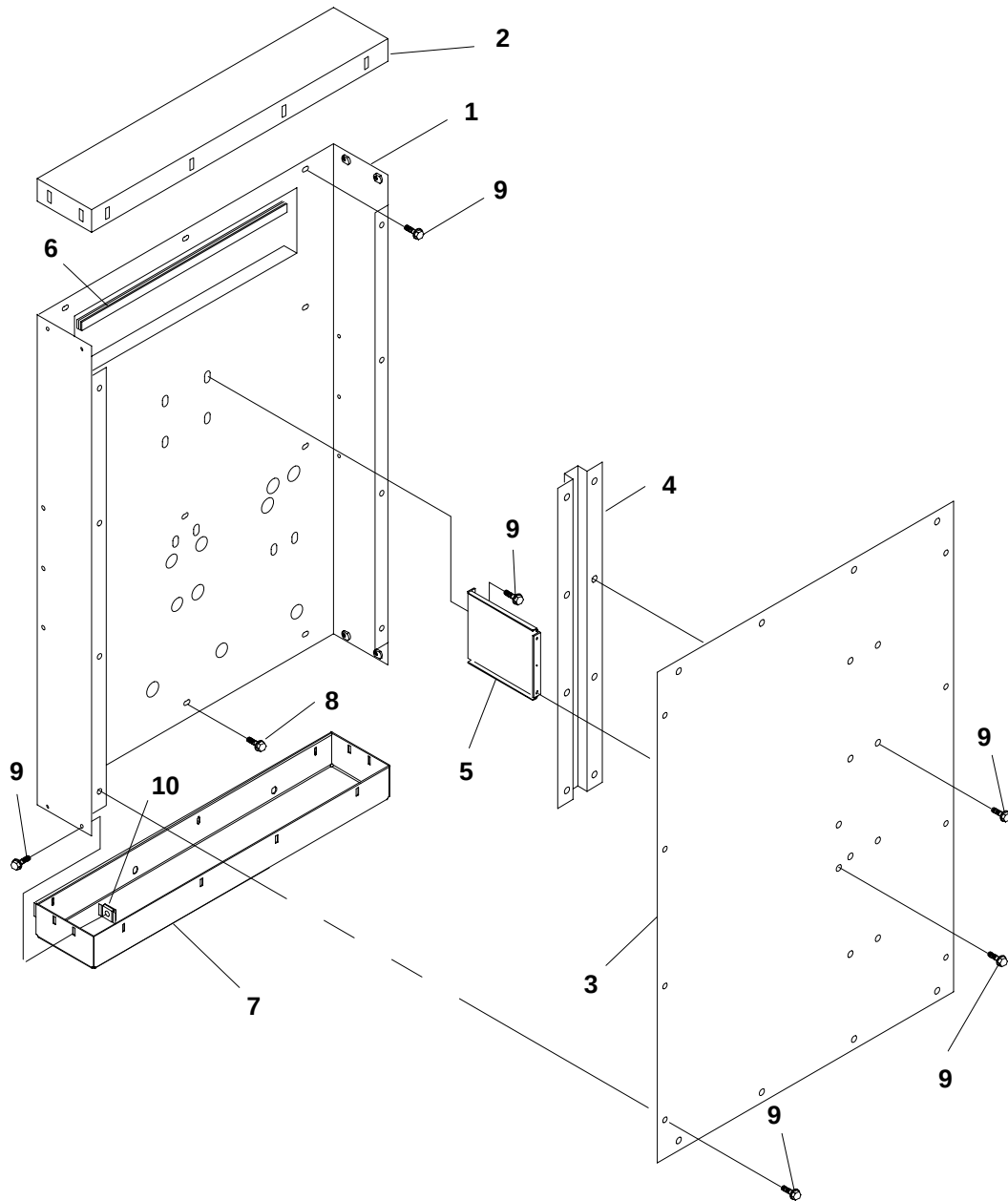


K882

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-2432	1	Box, Entrance
2	319-1915	2	Cover
3	821-5002-03	41	Screw, Self-Locking - Hex Washer Head (1/4-20 x 1/2")
4	508-1092	-	Edging - Bulk (Order By The Foot - 3 Feet Required)
5	870-0494	16	Nut, Self-Retaining - Floating (1/4-20)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
6	319-1916	1	Cover
7	319-1918	1	Brace, Cover
8	319-1927	1	Brace, Cover
9	821-5002-04	4	Screw, Self-Locking - Hex Washer Head (1/4-20 x 5/8")
10	821-0009	1	Screw, Self-Locking - Hex Washer Head (1/4-20 x 3/8")

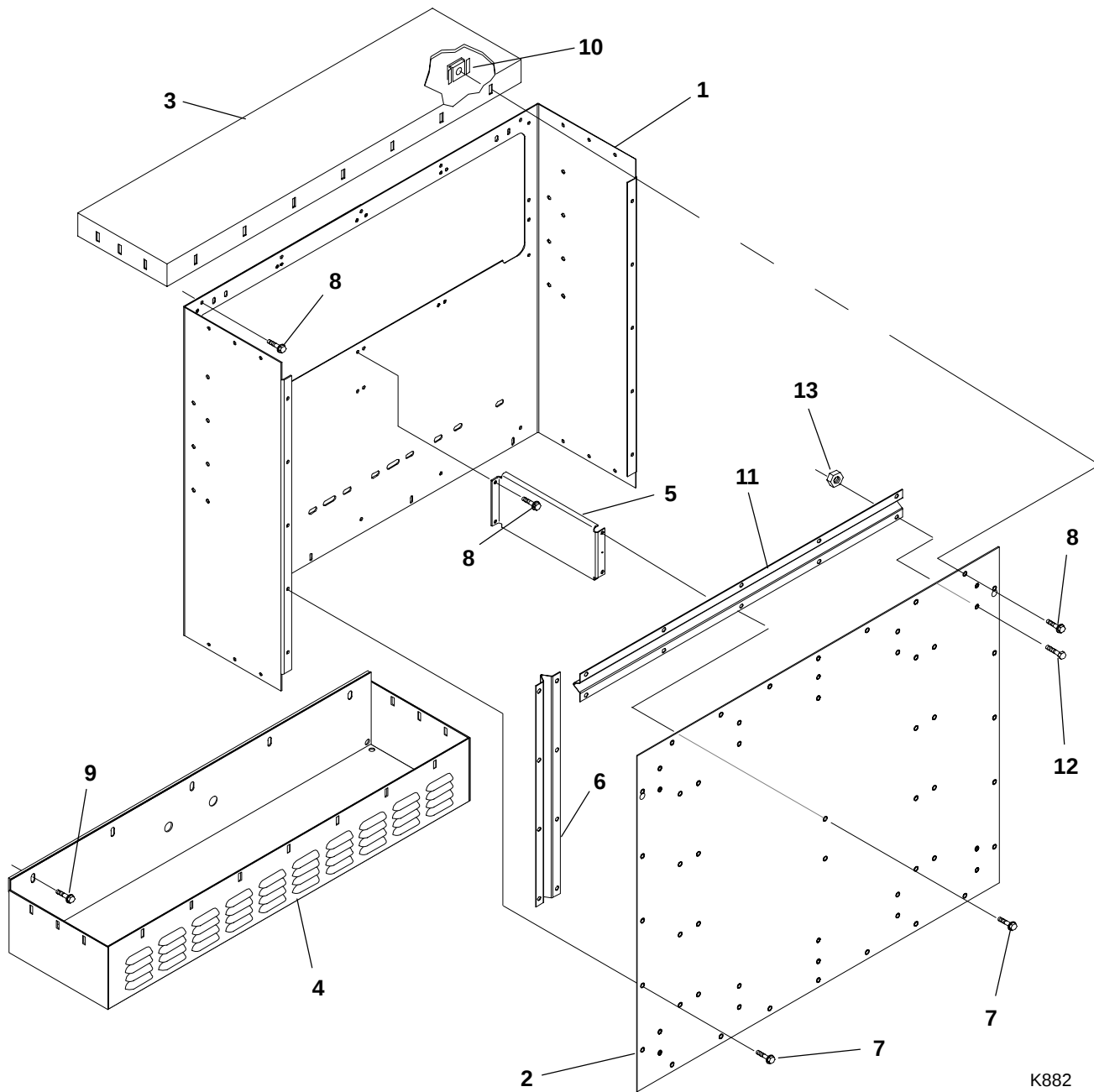
Entrance Box **Model HC5 Generators** **Begin Spec G**



K882

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3169	1	Box, Entrance	7	319-3183	1	Cover - Lower
2	319-1915	1	Cover - Upper	8	821-2035	2	Screw, Self-Locking - Hex Washer Head (M6 x 25mm)
3	319-1916	1	Cover	9	821-6002-03	44	Screw, Self-Locking - Hex Washer Head (M6 x 16mm)
4	319-3284	1	Brace, Cover	10	870-0504	16	Nut, Retaining (M6)
5	319-3251	1	Brace, Cover				
6	508-1092	-	Edging - Bulk (Order By The Foot - 2 Feet Required)				

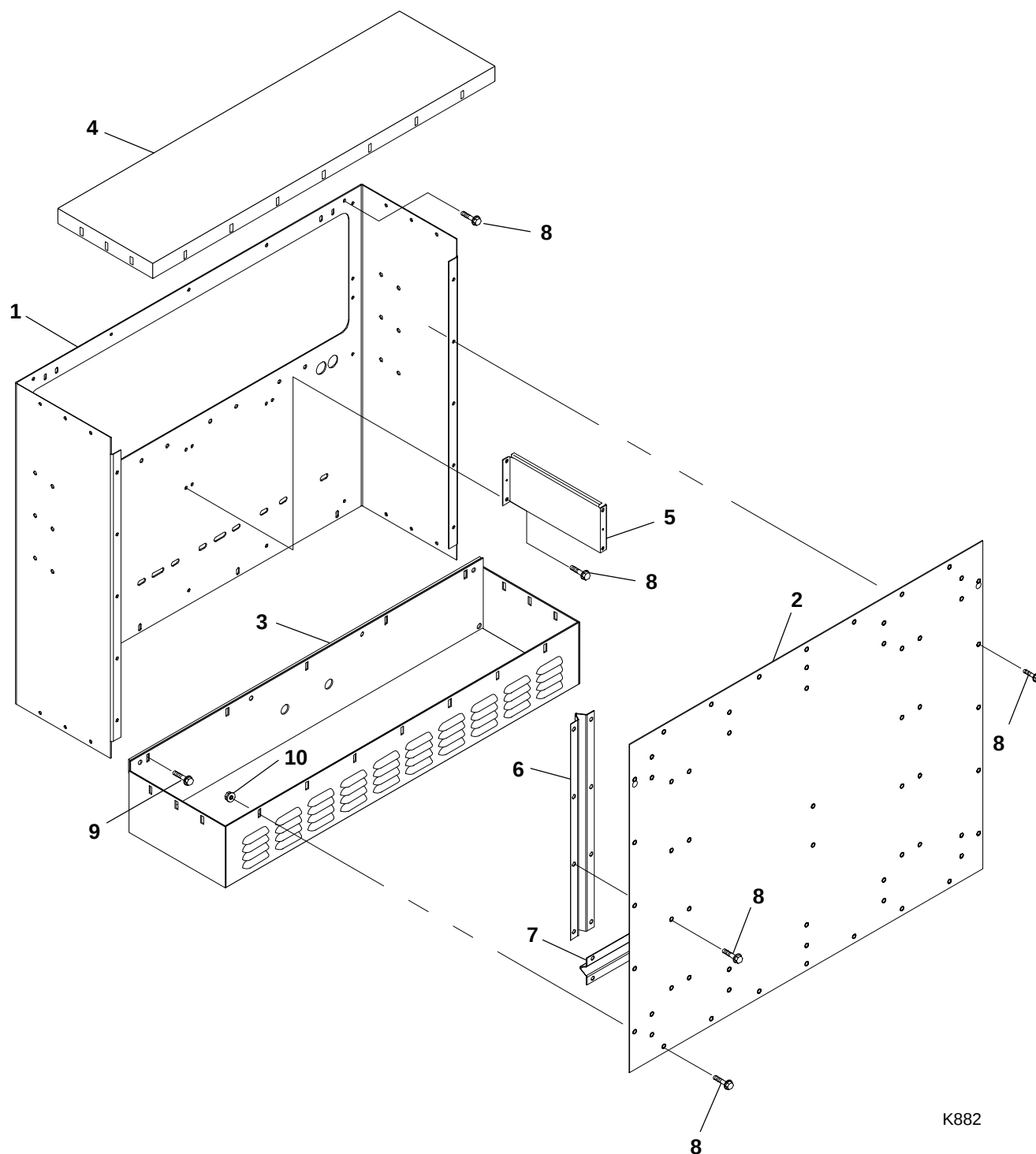
Entrance Box
Model HC6 and HC7 Generators
Spec C Through F



K882

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-1957	1	Box, Entrance	9	821-0011	5	Screw, Self-Locking - Hex Washer Head (1/4-20 x 7/8")
2	319-2378	1	Cover	10	870-0494	26	Nut, Retaining (1/4-20)
3	319-1961	1	Cover - Upper	11	319-2399	2	Brace, Cover (40-1/2")
4	319-1925	1	Cover - Lower	12	816-0098	36	Bolt, Carriage (5/16-18 x 5/8")
5	319-2377-01	1	Brace, Cover	13	870-0257	36	Nut, Locking (5/16-18)
6	319-2398	2	Brace, Cover (24°)				
7	821-0010	24	Screw, Self-Locking - Hex Washer Head (1/4-20 x 1/2")				
8	821-0018	21	Screw, Self-Locking - Hex Washer Head (1/4-20 x 5/8")				

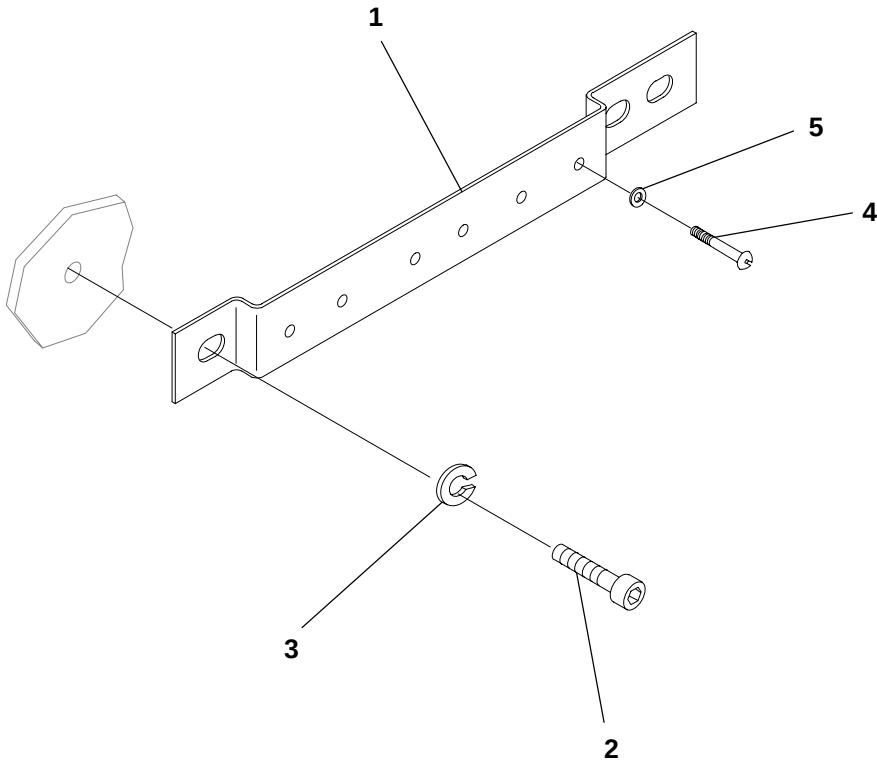
Entrance Box Model HC6 and HC7 Generators Begin Spec G



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3184	1	Box, Entrance
2	319-3265	1	Cover
3	319-1925	1	Cover - Lower
4	319-1961	1	Cover - Upper
5	319-3264	1	Brace, Cover
6	319-3286	2	Brace, Cover (24°)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
7	319-3288	2	Brace, Cover (40-1/2°)
8	821-6002-03	89	Screw, Self-Locking - Hex Washer Head (M6 x 16mm)
9	821-2035	5	Screw, Self-Locking - Hex Washer Head (M6 x 25mm)
10	870-0504	26	Nut, Retaining (M6)

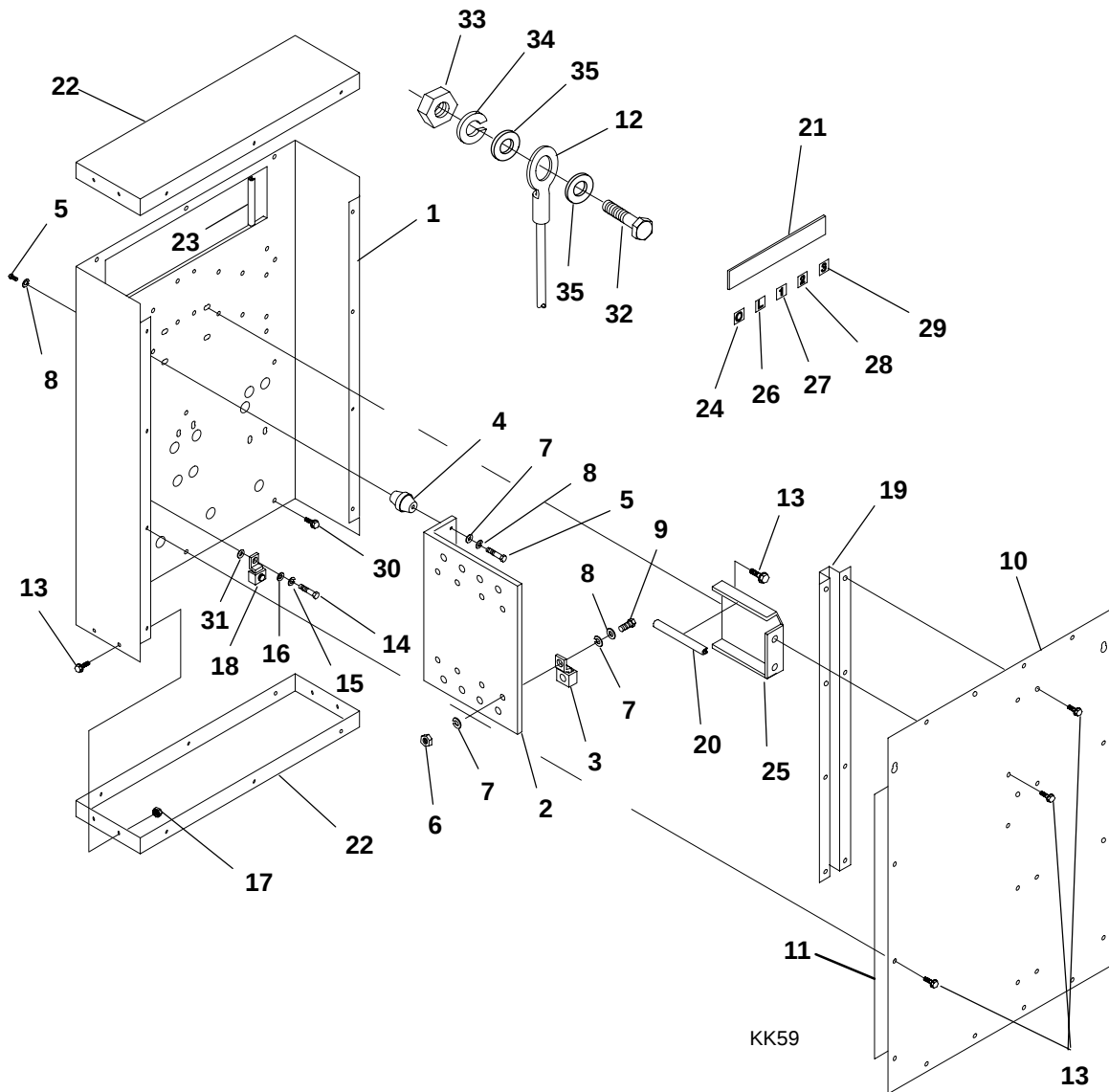
Resistive Temperature Detectors
Begin Spec D



B312,313,314,372,373,374

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	800-2052	2	Model HC6 Generators (M8 x 12mm)	5	526-0002	4	Washer, Flat (#6)
	800-2080	2	Model HC7 Generators (M10 x 12mm)				
3	850-2008	2	Washer, Lock - Spring Model HC6 Generators (M8)				
	850-2010	2	Model HC7 Generators (M10)				

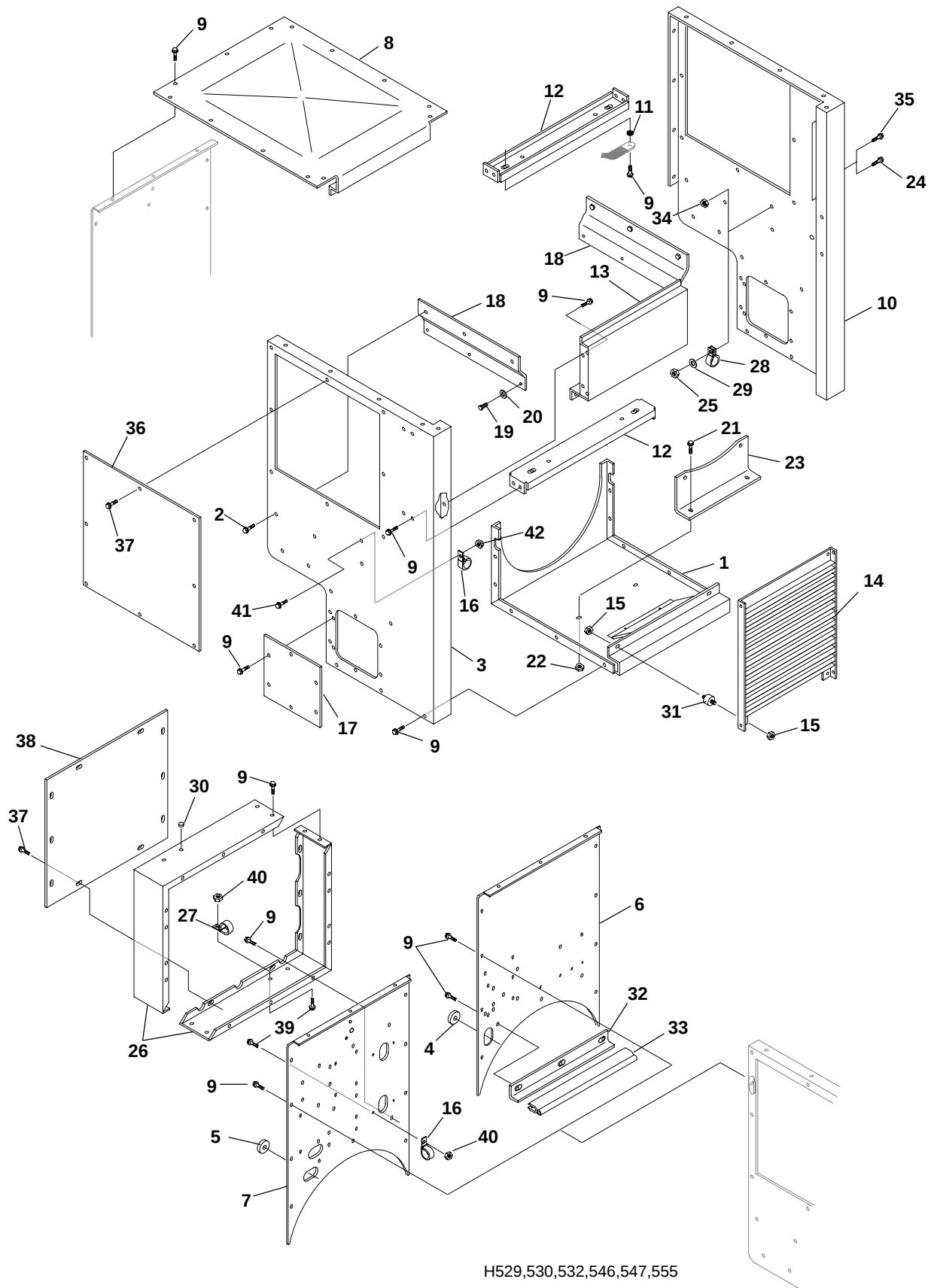
Bus Box Spec E and F



Bus Box Spec E and F

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-2727	1	Box, Bus	21	091-0002	1	Strip, Copper (Used For Wrapping Ends Of Leads) (Quantity Used As Required)
2	337-2868	4	Bus, Load Connection	22	319-1915	2	Panel
3	332-2001	16	Lug, Solderless	23	508-1092	-	Edging - Bulk (Order By The Foot - 3 Feet Required)
4	332-2744-02	8	Standoff, Insulator	24	098-5854-10	1	Label, Marker (10 Characters Per Card) Marked °0
5	800-0047	16	Screw, Cap - Hex Head (3/8-16 x 5/8°)	25	319-1927	1	Brace, Cover
6	862-0003	16	Nut, Hex (3/8°)	26	098-5854-06	4	Label, Marker (10 Characters Per Card) Marked °L
7	526-0029	40	Washer, Flat (3/8°)	27	098-5854-07	1	Label, Marker (10 Characters Per Card) Marked °1
8	850-0050	32	Washer, Lock - Spring (3/8°)	28	098-5854-08	1	Label, Marker (10 Characters Per Card) Marked °2
9	800-0051	16	Screw, Cap - Hex Head (3/8-16 x 1-1/4°)	29	098-5854-09	1	Label, Marker (10 Characters Per Card) Marked °3
10	319-2726	1	Cover, Bus Box	30	821-0018	5	Screw, Self-Locking - Hex Washer Head (1/4-20 x 5/8°)
11	878-0367	1	Insulator (12° x 16°)	31	856-0010	1	Washer, Lock - EIT (3/8°)
12	226-4406-08	36	Lead (36°)	32	800-0094	15	Screw, Cap - Hex Head (1/2-13 x 2°)
13	821-0010	40	Screw, Self-Locking - Hex Washer Head (1/4-20 x 1/2°)	33	862-0005	15	Nut, Hex (1/2-13)
14	800-0050	1	Screw, Cap - Hex Head (3/8-16 x 1°)	34	850-0060	15	Washer, Lock - Spring (1/2°)
15	850-0050	1	Washer, Lock - Spring (3/8°)	35	526-0219	30	Washer, Flat (1/2°)
16	526-0029	1	Washer, Flat (3/8°)				
17	870-0494	16	Nut, Self-Retaining - Floating (1/4-20)				
18	332-2001	1	Lug, Solderless (Grounding)				
19	319-1918	1	Brace, Cover				
20	508-1107	2	Edging (8°)				

Control Housing Model HC5 Generators Spec A Through F



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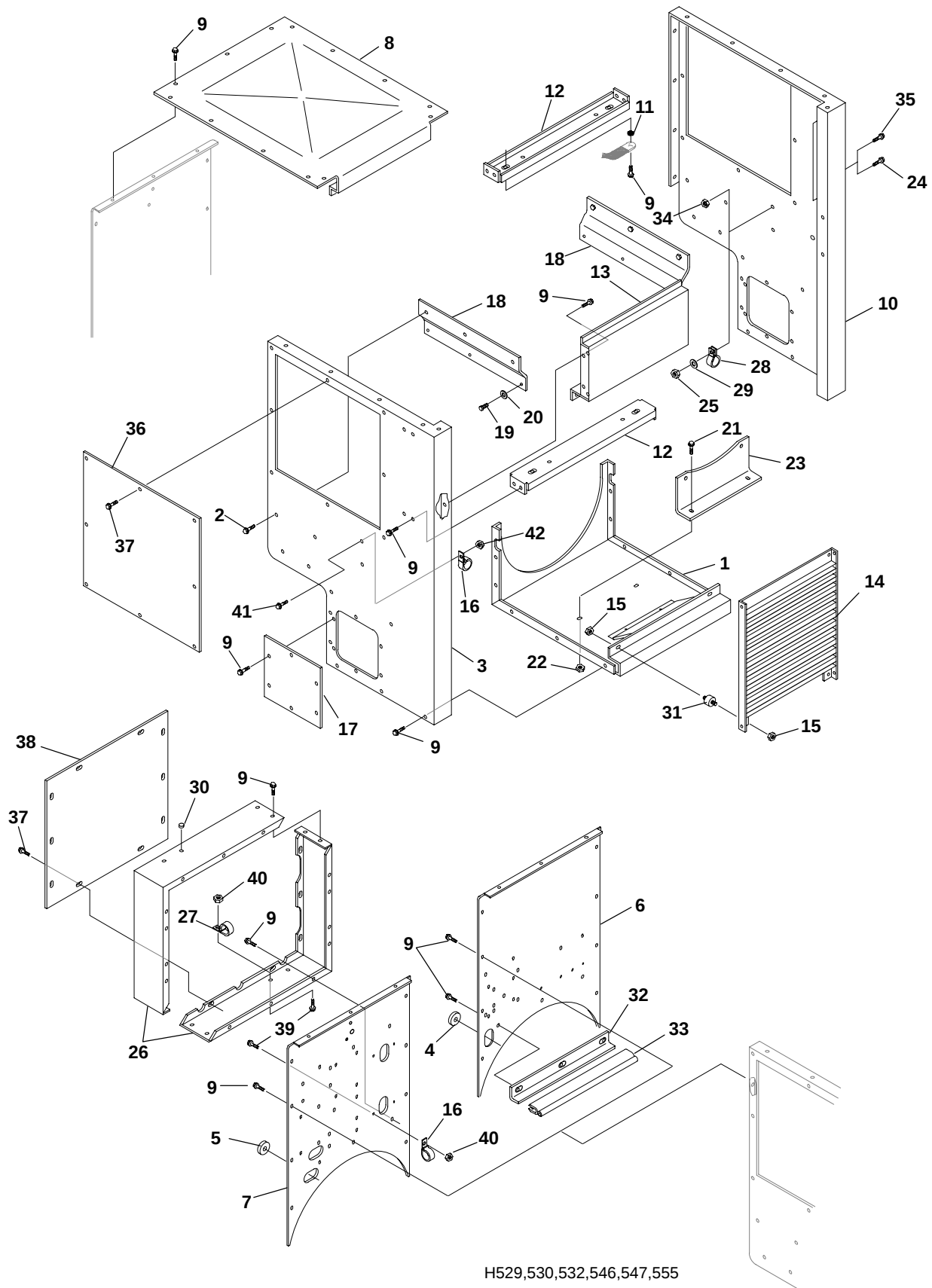
Control Housing Model HC5 Generators Spec A Through F

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-0740	1	Panel - Bottom Spec A and B	16			Clamp, ^a J ^o
	319-2771-02	1	Spec C Through F		332-2634	1	* Sets With Detector Control Spec A and B
2	821-5004-02	6	Screw, Self-Locking - Hex Washer Head (3/8-16 x 3/4")		332-2634	2	* Spec C Through F
					332-2634	1	# Sets With PowerCommand Control - Spec C Through F
3	319-0739-01	1	Panel - Right Side Spec A and B	17	301-9629	2	Cover, Side - Lower
	319-2784-01	1	Spec C Through F	18	319-0745	2	Bracket, Mounting
4			* Grommet, Rubber (Fits 2-1/4" Hole)	19	800-2111	6	Screw, Cap - Hex Head (M12 x 25mm)
	508-0051	1	Spec A and B	20	850-2012	6	Washer, Lock - Spring (M12)
	508-1057	1	Spec C Through F	21	821-5003-03	2	Screw, Self-Locking - Hex Washer Head (5/16-18 x 3/4")
5	508-1090	4	# Grommet, Rubber (Fits 3-1/4" Hole) Spec C Through F	22	870-0257	2	Nut, Hex (5/16-18)
			* Panel - Front Spec A and B	23	319-1346	1	Bracket, Panel
	319-0741	1	Spec A and B	24	821-5003-03	1	* Screw, Self-Locking - Hex Washer Head (5/16-18 x 3/4") Spec C Through F
	319-2786	1	Spec C Through F				* Nut, Locking - Hex Head (5/16-18) Spec C Through F
7	319-2217	1	# Panel - Front - Spec C Through F	25	870-0257	1	
8	301-9512	1	Cover, Top	26	319-2476	2	# Wrapper, Control Box - Spec C Through F
9			Screw, Self-Locking - Hex Washer Head (1/4-20 x 1/2")	27	332-2634	2	# Clamp, ^a J ^o - Spec C Through F
			Sets With Detector Control	28	518-0548-24	1	# Clamp, Retainer - Spec C Through F
	821-5002-03	78	* Spec A and B	29	526-0399-16	1	# Washer, Flat (5/16") Spec C Through F
	821-5002-03	61	* Spec C Through F	30	517-0131	2	# Plug, Hole (Fits 3/8" Hole) Spec C Through F
	821-5002-03	68	# Sets With PowerCommand Control - Spec C Through F	31	402-0508	4	Isolator, Vibration - Spec C Through F
10			Panel - Left Side Spec A and B	32	319-2787	1	* Angle, Stiffener - Spec C Through F
	319-0739-02	1	Spec A and B	33	508-1109	-	* Edging - Bulk (1/4") (Order By The Foot - 1 Foot Required) Spec C Through F
	319-2784-02	1	Spec C Through F	34	870-0257	1	* Nut, Locking - Hex Head (5/16-18) (Used As A Plug) Spec C Through F
11			Washer, Lock - EIT (1/4")				
			Sets With Detector Control				
	856-0006	2	* Spec A and B				
	856-0006	1	* Spec C Through F				
	856-0006	2	# Sets With PowerCommand Control - Spec C Through F				
12	301-9510	2	Support, Control Box				
13			Panel - Rear Spec A and B				
	319-0738	1	Spec A and B				
	319-2776	1	Spec C Through F				
14			Grille Spec A and B				
	234-0883	1	Spec A and B				
	319-2768	1	Spec C Through F				
15	870-0550-05	8	Nut, Locking - Hex Flange Head (1/4-20) Spec C Through F				

* - Parts Used On Sets With Detector Control
- Parts Used On Sets With PowerCommand Control

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Control Housing Model HC5 Generators Spec A Through F



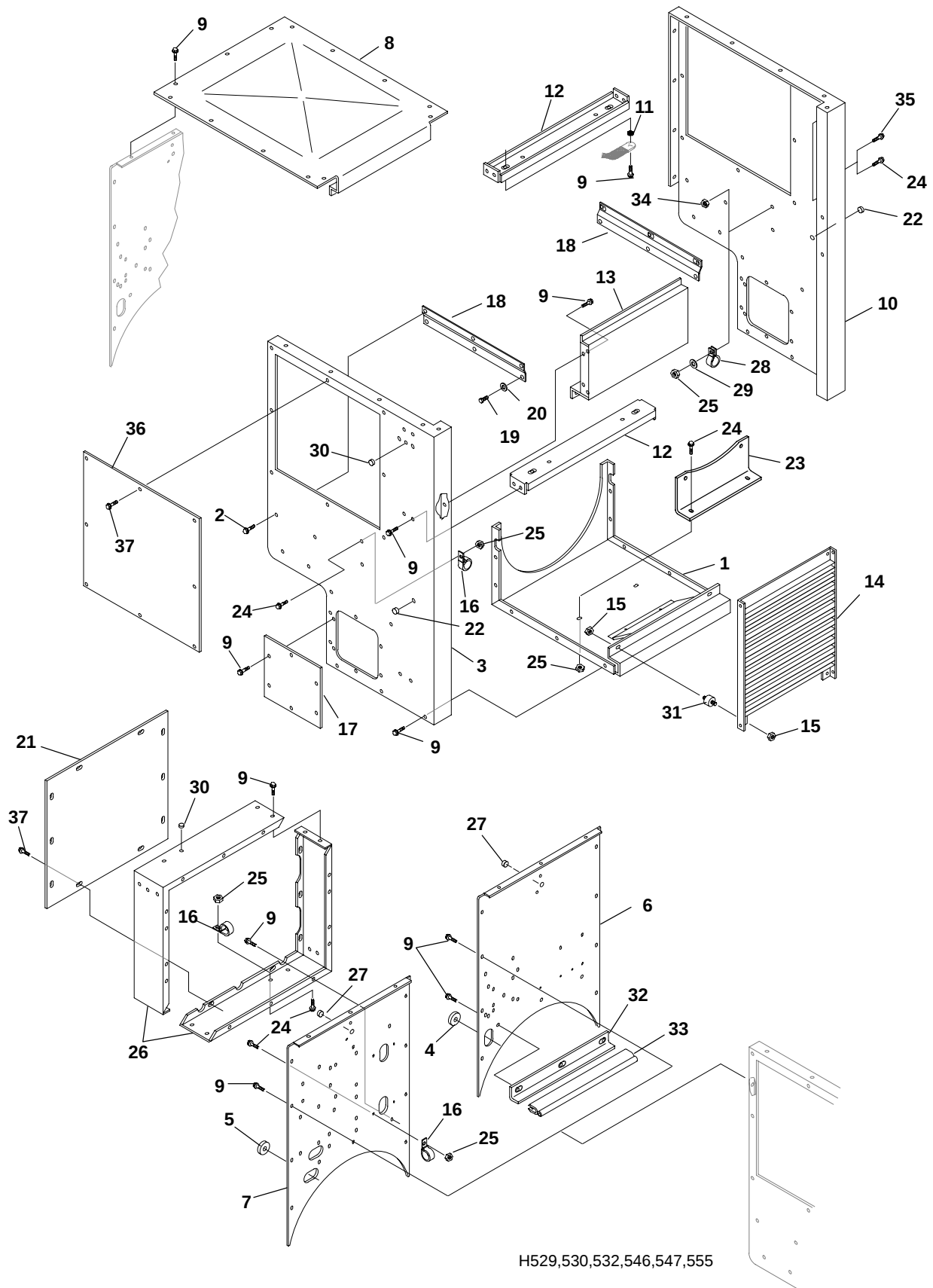
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Control Housing Model HC5 Generators Spec A Through F

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
Continued...							
35	821-5003-03	1	* Screw, Self-Locking - Hex Washer Head (5/16-18 x 3/4") (Used As A Plug) Spec C Through F	38	319-2220	1	# Cover, Control Box - Spec C Through F
36	301-9511	2	Cover, Side - Upper Without Circuit Breaker, Entrance Box or BUS Box	39	821-5003-03	2	# Screw, Self-Locking - Hex Washer Head (5/16-18 x 3/4") Spec C Through F
	301-9511	1	With Circuit Breaker, Entrance Box or BUS Box	40	870-0257	3	# Nut, Locking - Hex Head (5/16-18) Spec C Through F
37			Screw, Self-Locking - Hex Washer Head (1/4-20 x 1/2") Spec C Through F	41			Screw, Self-Locking - Hex Washer Head Spec A and B (1/4-20 x 5/8")
			Sets With Detector Control		821-0018	1	Spec C Through F (5/16-18 x 3/4")
821-5002-03	16	*	Without Circuit Breaker, Entrance Box or BUS Box		821-5003-03	2	Spec C Through F (5/16-18 x 3/4")
821-5002-03	8	*	With Circuit Breaker, Entrance Box or BUS Box	42	870-0212	1	Nut, Hex (1/4-20)
			Sets With PowerCommand Control				
821-5002-03	26	#	Without Circuit Breaker, Entrance Box or BUS Box				
821-5002-03	18	#	With Circuit Breaker, Entrance Box or BUS Box				

* - Parts Used On Sets With Detector Control
- Parts Used On Sets With PowerCommand Control

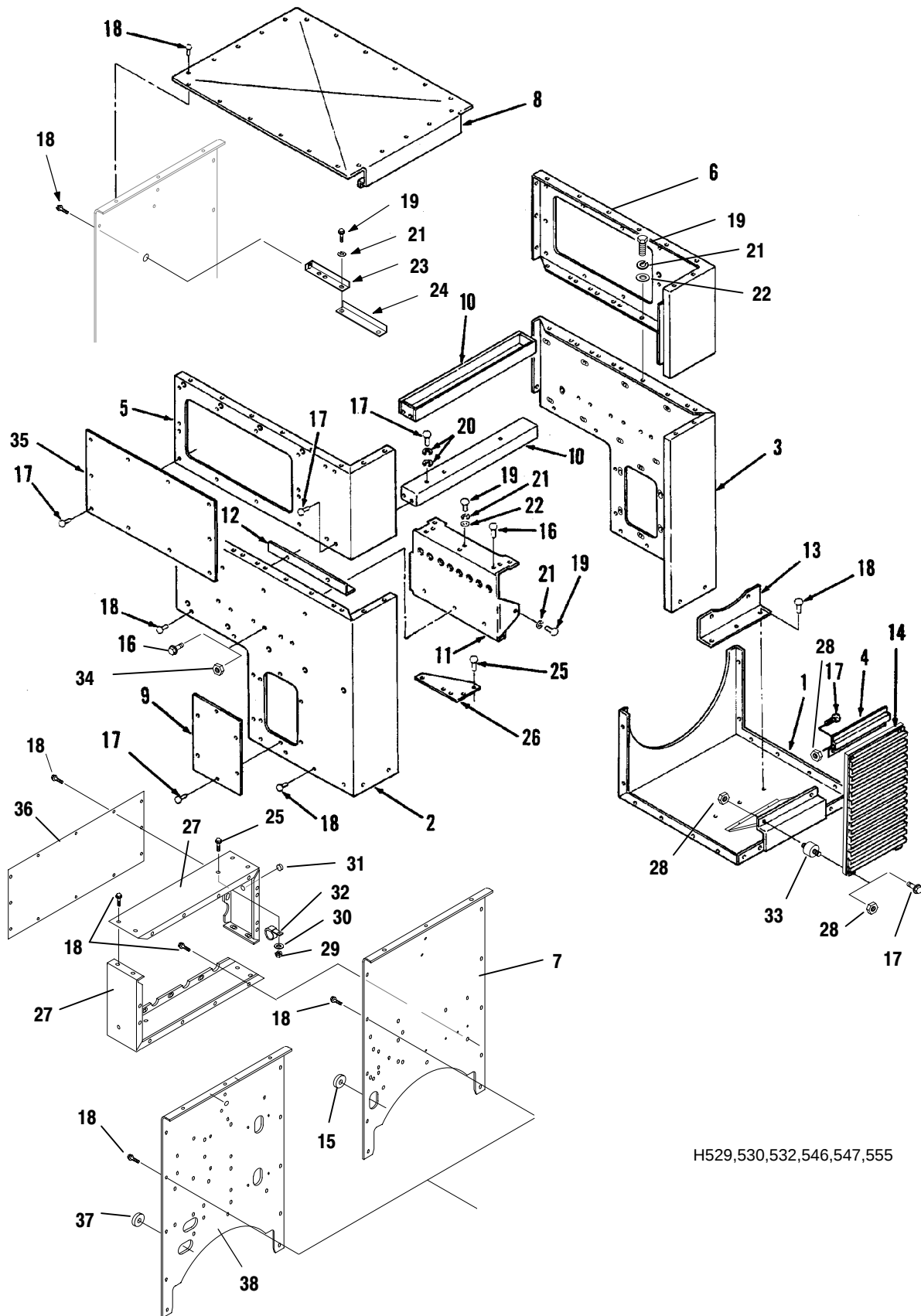
Control Housing Model HC5 Generators Begin Spec G



Control Housing Model HC5 Generators Begin Spec G

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3270-02	1	Panel - Bottom	26	319-3278	2	Wrapper, Control Box - Sets With PowerCommand Control
2	821-6004-01	6	Screw, Self-Locking - Hex Washer Head (M10 x 20mm)	27	517-0135	1	Plug, Hole (Fits 5/8" Hole)
3	319-3287-01	1	Panel - Right Side	28	518-0548-24	1	Clamp, Retainer - Sets With PowerCommand Control
4	508-1057	1	Grommet, Rubber (Fits 2-1/4" Hole) Sets With Detector Control	29	526-2100	1	Washer, Flat (M8) Sets With PowerCommand Control
5	508-1090	4	Grommet, Rubber (Fits 3-1/4" Hole) Sets With PowerCommand Control	30	517-0131	1	Plug, Hole (Fits 3/8" Hole) Sets With Detector Control
6	319-3290	1	Panel - Front - Sets With Detector Control	31	402-0729	4	Sets With Power Command Control
7	319-3273	1	Panel - Front - Sets With PowerCommand Control	32	319-3291	1	Isolator, Vibration
8	301-9512	1	Cover, Top	33	508-1109	-	Angle, Stiffener - Sets With Detector Control
9			Screw, Self-Locking - Hex Washer Head (M6 x 16mm)				Edging - Bulk (1/4") (Order By The Foot - 1 Foot Required) Sets With Detector Control
	821-6002-03	61	Sets With Detector Control	34	870-2055	1	Nut, Locking (Used As A Plug) (M8) Sets With Detector Control
	821-6002-03	68	Sets With PowerCommand Control	35	821-6002-03	1	Screw, Self-Locking - Hex Washer Head (Used As A Plug) (M8 x 16mm) Sets With Detector Control
10	319-3287-02	1	Panel - Left Side				Cover, Side - Upper
11			Washer, Lock - EIT (1/4")				Without Circuit Breaker, Entrance Box or BUS Box
	856-0006	1	Sets With Detector Control	36	301-9511	2	With Circuit Breaker, Entrance Box or BUS Box
	856-0006	2	Sets With PowerCommand Control		301-9511	1	Screw, Self-Locking - Hex Washer Head (M6 x 20mm)
12	319-3294	2	Support, Control Box				Sets With Detector Control
13	319-2776	1	Panel - Rear				Without Circuit Breaker, Entrance Box or BUS Box
14	319-2768	1	Grille				With Circuit Breaker, Entrance Box or BUS Box
15	870-2054	8	Nut, Locking (M6)	37			Sets With PowerCommand Control
16			Clamp, ^a J ^o				Without Circuit Breaker, Entrance Box or BUS Box
	332-2634	2	Sets With Detector Control		821-6002-03	16	With Circuit Breaker, Entrance Box or BUS Box
	332-2634	3	Sets With PowerCommand Control				Sets With PowerCommand Control
17	301-9629	2	Cover, Side - Lower				Without Circuit Breaker, Entrance Box or BUS Box
18	319-3327	2	Bracket, Mounting				With Circuit Breaker, Entrance Box or BUS Box
19	800-2111	6	Screw, Cap - Hex Head (M12 x 25mm)		821-6002-03	8	Sets With PowerCommand Control
20	850-2012	6	Washer, Lock - Spring (M12)				Without Circuit Breaker, Entrance Box or BUS Box
21	319-2220	1	Cover, Control Box - Sets With PowerCommand Control				With Circuit Breaker, Entrance Box or BUS Box
22	517-0136	2	Plug, Hole (Fits 3/4" Hole)		821-6002-03	26	Sets With PowerCommand Control
23	319-1346	1	Bracket, Panel				Without Circuit Breaker, Entrance Box or BUS Box
24			Screw, Self-Locking - Hex Washer Head (M8 x 20mm)		821-6002-03	18	With Circuit Breaker, Entrance Box or BUS Box
	821-6003-02	5	Sets With Detector Control				Sets With PowerCommand Control
	821-6003-02	7	Sets With PowerCommand Control				Without Circuit Breaker, Entrance Box or BUS Box
25			Nut, Locking (M8)				With Circuit Breaker, Entrance Box or BUS Box
	870-2055	5	Sets With Detector Control				Sets With PowerCommand Control
	870-2055	7	Sets With PowerCommand Control				Without Circuit Breaker, Entrance Box or BUS Box

Control Housing Model HC6 and HC7 Generators Spec A through F



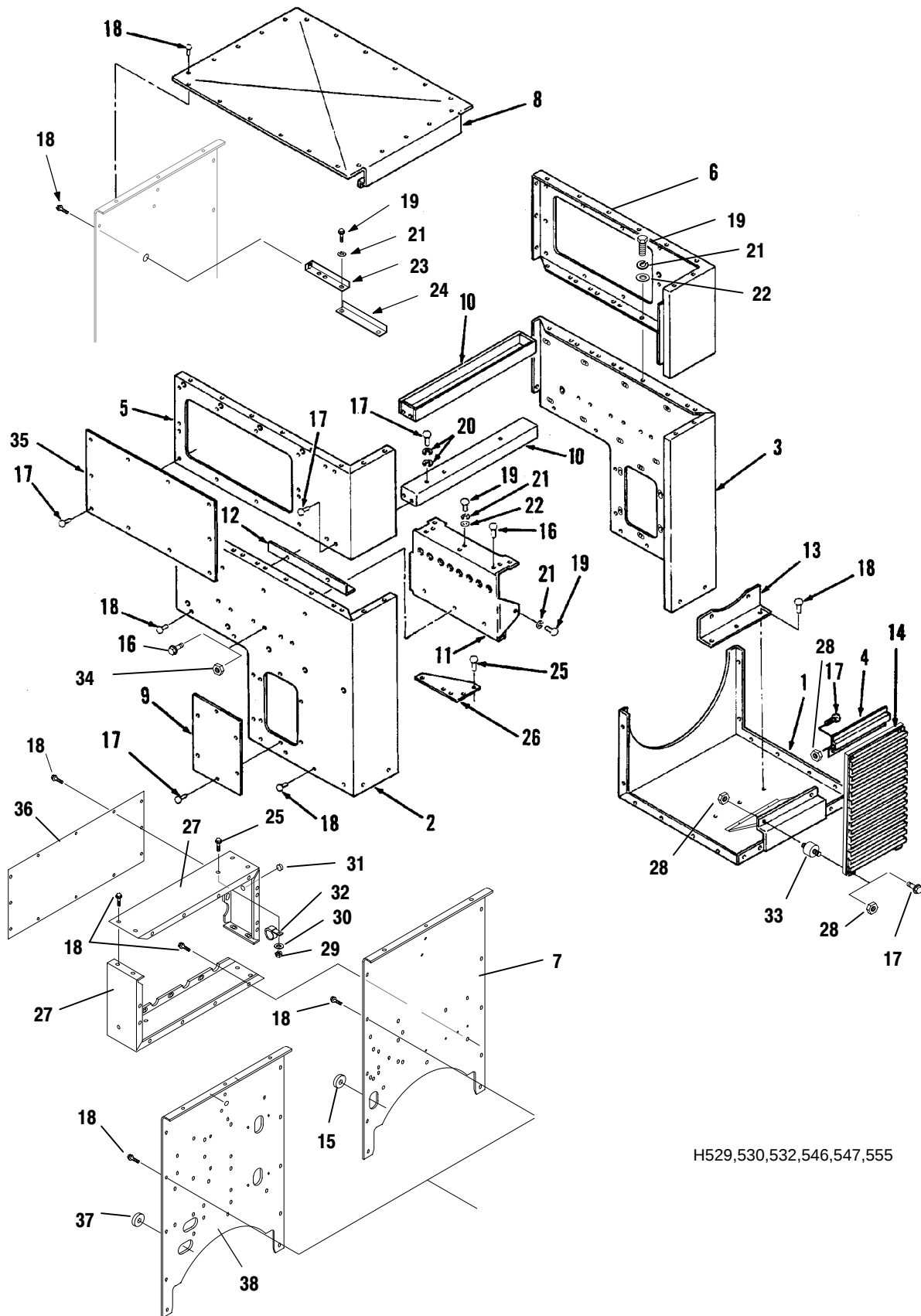
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Control Housing Model HC6 and HC7 Generators Spec A Through F

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-1083	1	Panel - Bottom Spec A and B Spec C Through F	18			Screw, Self-Locking - Hex Washer Head (5/16-18 x 1/2")
	319-2771-03	1	Model HC6 Generators				Model HC6 Generators
	319-2771-04	1	Model HC7 Generators				Sets With Detector Control
2	319-1085-01	1	Panel - Right Side - Lower Spec A and B	821-5003-01	56		Spec A and B
	319-2781-01	1	Spec C Through F	821-5003-01	70		Spec C Through F
3	319-1085-02	1	Panel - Left Side - Lower Spec A and B	821-5003-01	80		Sets With PowerCommand Control - Spec C Through F
	319-2781-02	1	Spec C Through F				Model HC7 Generators
4	319-1087	1	Panel - Rear Spec A and B				- Spec C Through F
	319-2778	1	Spec C Through F				Sets With Detector Control
5	319-1086-01	1	Panel - Right Side - Upper Spec A and B	821-5003-01	62		Sets With PowerCommand Control
	319-2779-01	1	Spec C Through F	821-5003-01	72		Sets With PowerCommand Control
6	319-1086-02	1	Panel - Left Side - Upper Spec A and B				Screw, Cap - Hex Head (M10 x 25mm)
	319-2779-02	1	Spec C Through F	19			Model HC6 Generators
7	319-1089	1	Panel - Front - Sets With Detector Control	800-2086	15		Model HC7 Generators
	319-1088	1	Model HC6 Generators	800-2086	11		Washer, Lock - EIT (1/4")
	319-1093	1	Model HC7 Generators	20			Sets With Detector Control
8	319-1093	1	Cover, Top				Spec A and B
9	319-0881	2	Cover, Side - Lower	856-0006	2		Spec C Through F
10	319-0879	2	Support - Control Box	856-0006	1		Sets With PowerCommand Control - Spec C Through F
11	319-1096	2	Bracket, Saddle	856-0006	2		Washer Lock - Spring (M10)
	319-1097	2	Model HC6 Generators				Model HC6 Generators
	319-1097	2	Model HC7 Generators				Model HC7 Generators
12	319-0883	2	Angle, Housing	21			Washer, Flat (3/8")
13	319-1091	1	Bracket, Panel	850-2010	15		Model HC6 Generators
	319-1092	1	Model HC6 Generators	850-2010	11		Model HC7 Generators
	319-1092	1	Model HC7 Generators	22			Model HC6 Generators
14	234-0908	1	Grille	526-0141	10		Model HC7 Generators
	319-2767	1	Spec A and B	526-0141	6		Angle, Support (5-1/2")
	319-2767	1	Spec C Through F	23	319-1090	1	Angle, Support (6-1/2")
15			Grommet, Rubber - Sets	24	319-1118	1	
			With Detector Control (Fits 2-1/4" Hole)				
	508-0051	1	Spec A and B				
	508-1057	1	Spec C Through F				
16	821-5004-02	12	Screw, Self-Locking - Hex Washer Head (3/8-16 x 3/4")				
17			Screw, Self-Locking - Hex Washer Head (1/4-20 x 1/2")				
	821-5002-03	53	Model HC6 Generators				
	821-5002-03	50	Spec A and B				
	821-5002-03	46	Spec C Through F				
			Model HC7 Generators - Spec C Through F				

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Control Housing Model HC6 and HC7 Generators Spec A through F

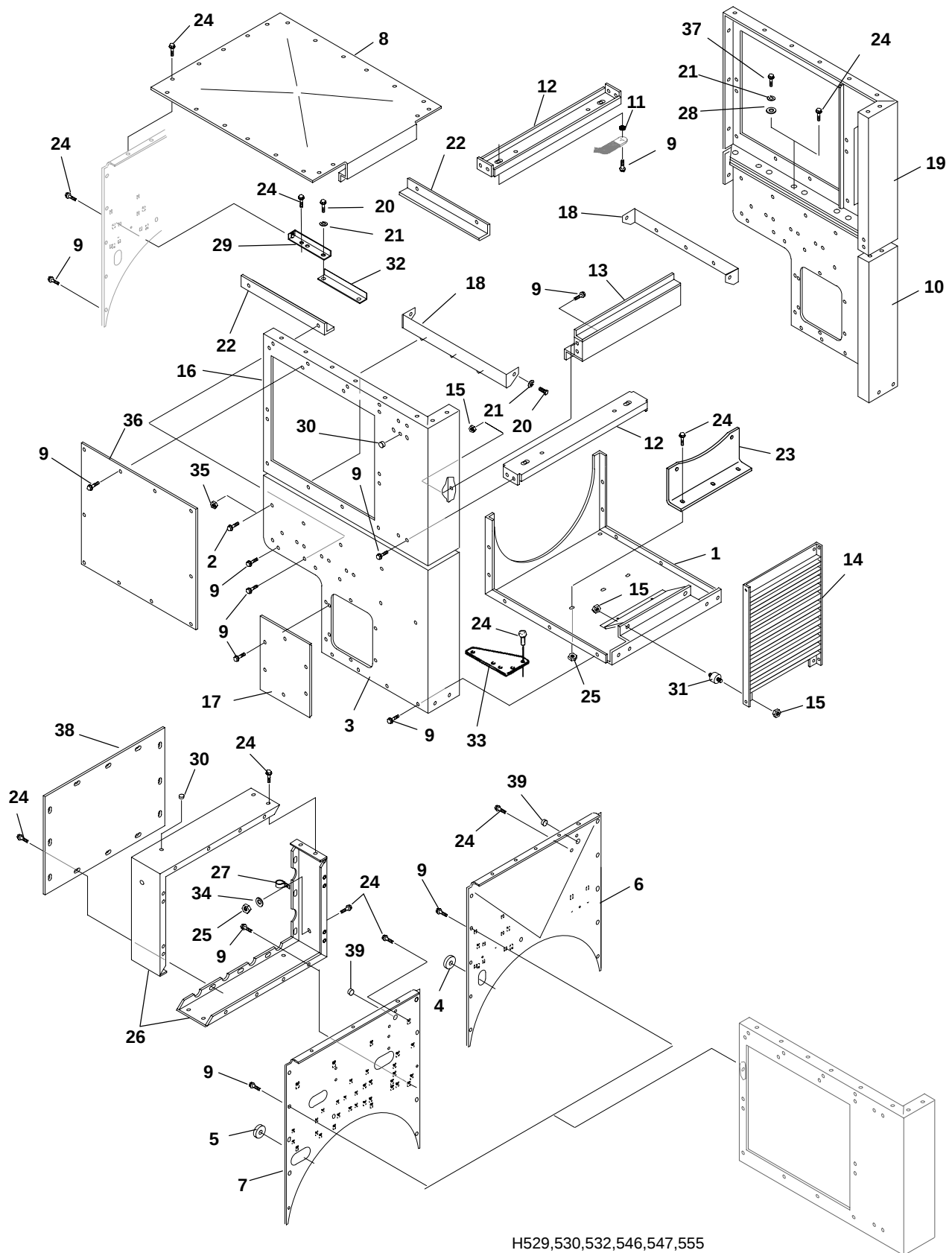


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Control Housing Model HC6 and HC7 Generators Spec A Through F

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
Continued...							
25			Screw, Self-Locking - Hex Washer Head (5/16-18 x 3/4")	31	517-0131	2	Plug, Hole (Fits 3/8" Hole) Sets With PowerCommand Control - Spec C Through F
			Model HC6 Generators	32	332-2634	4	Clamp, ^a J ^o - Sets With PowerCommand Control - Spec C Through F
			Sets With Detector Control				
821-5003-03	8		Spec A and B	33	402-0610	4	Isolator, Vibration - Spec C Through F
821-5003-03	9		Spec C Through F				
821-5003-03	11		Sets With	34	870-0550-09	6	Nut, Hex (3/8-16) Sets With HC7 Generators - Spec C Through F
			PowerCommand Control - Spec C Through F				
			Model HC7 Generators	35			Cover, Side - Upper
			- Spec C Through F		319-1095	2	Without Circuit Breaker, Entrance Box or BUS Box
821-5003-03	8		Sets With Detector Control		319-1095	1	With Circuit Breaker, Entrance Box or BUS Box
821-5003-03	10		Sets With	36	319-2245	1	Cover, Control Box - Sets With PowerCommand Control - Spec C Through F
			PowerCommand Control				
26	319-1203-01	2	Gusset				
27	319-2244	2	Wrapper, Control Box - Sets With PowerCommand Control - Spec C Through F	37	508-1090	3	Grommet, Rubber - Sets With PowerCommand Control - Spec C Through F
28	870-0550-05	10	Nut, Hex (1/4-20) Spec C Through F	38			Panel, Front - Sets With PowerCommand Control
29	870-0550-07	2	Nut, Hex (5/16-18) Sets With PowerCommand Control - Spec C Through F		319-2243	1	Model HC6 Generators
					319-2242	1	Model HC7 Generators
30	526-1115	2	Washer, Flat (5/16") Sets With PowerCommand Control - Spec C Through F				

Control Housing Model HC6 and HC7 Generators Begin Spec G

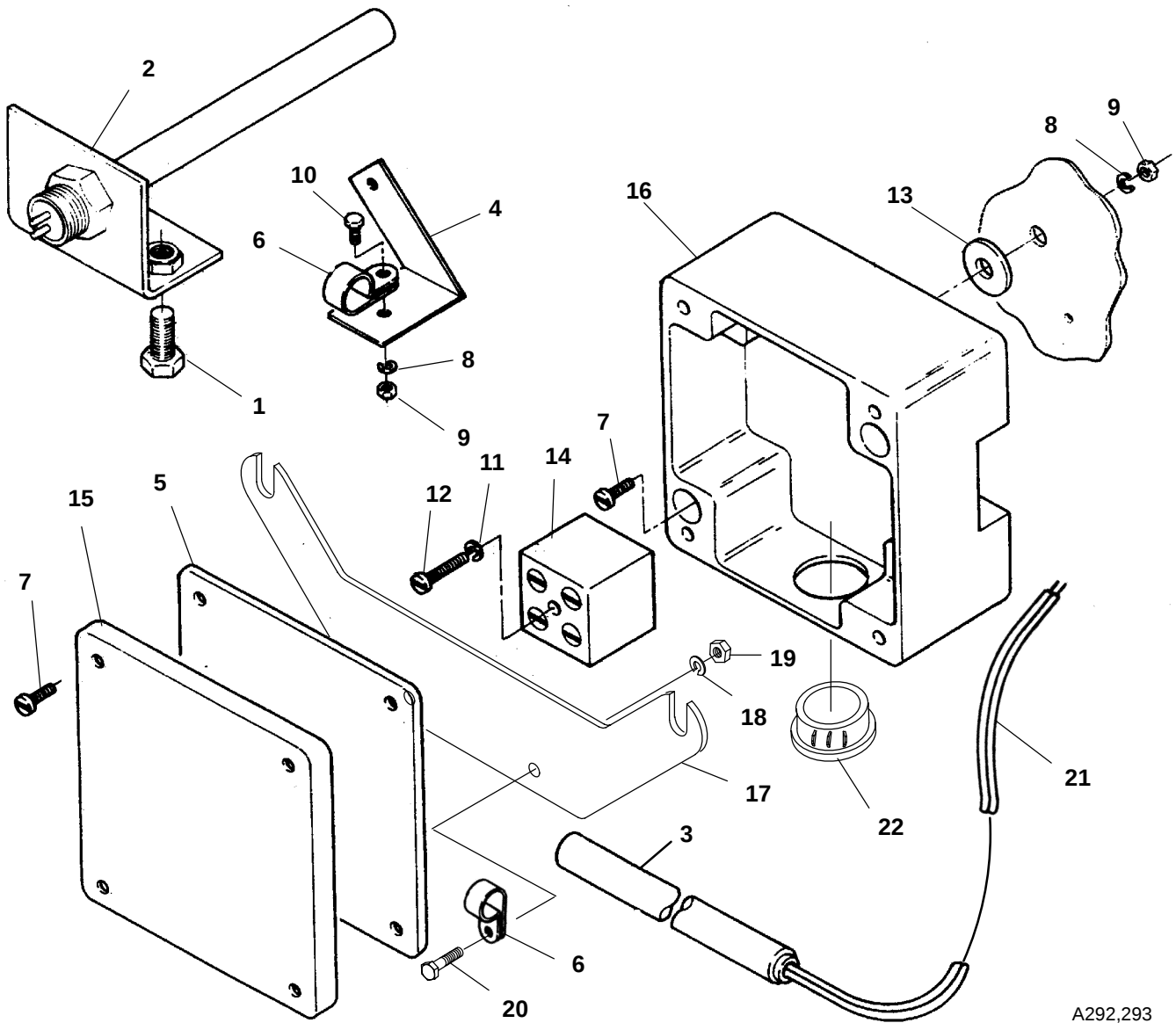


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Control Housing Model HC6 and HC7 Generators Begin Spec G

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3270-03	1	Panel - Bottom	21	850-2010	15	Washer, Lock - Spring (M10)
	319-3270-04	1	Model HC6 Generators		850-2010	11	Model HC6 Generators
2	821-6004-01	12	Model HC7 Generators	22	319-3260	2	Model HC7 Generators
			Screw, Self-Locking - Hex	23			Angle, Housing - Model HC6
			Washer Head (M10 x 20mm) Model HC6		319-1091	1	Generators
3	319-3283-01	1	Generators		319-1092	1	Bracket, Panel
4	508-1057	1	Panel - Right Side - Bottom	24			Model HC6 Generators
			Grommet, Rubber (Fits 2-1/4" Hole) Sets With				Model HC7 Generators
			Detector Control				Screw, Self-Locking - Hex
5	508-1090	3	Grommet, Rubber (Fits 3-1/4" Hole) Sets With				Washer Head (M8 x 20mm)
			PowerCommand Control		821-6003-02	63	Sets With Detector Control
6			Panel - Front - Sets With		821-6003-02	62	Model HC6
			Detector Control				Generators
	319-3262	1	Model HC6 Generators				Model HC7
	319-3261	1	Model HC7 Generators				Generators
7			Panel - Front - Sets With				Sets With PowerCommand Control
			PowerCommand Control		821-6003-02	87	Model HC6
	319-3276	1	Model HC6 Generators		821-6003-02	86	Generators
	319-3275	1	Model HC7 Generators				Model HC7
8	319-1093	1	Cover, Top				Generators
9			Screw, Self-Locking - Hex	25	870-2055	2	Nut, Locking (M8) Sets With
			Washer Head (M6 x 16mm)				PowerCommand Control
			Model HC6 Generators	26	319-3277	2	Wrapper, Control Box - Sets
	821-6002-03	50	Without Circuit Breaker,				With PowerCommand
			Entrance Box or BUS				Control
	821-6002-03	40	Box	27	332-2634	4	Clamp, ^a J ^o - Sets With
			With Circuit Breaker,				PowerCommand Control
			Entrance Box or BUS	28			Washer, Flat (3/8")
			Box		526-0141	10	Model HC6 Generators
			Model HC7 Generators		526-0141	6	Model HC7 Generators
	821-6002-03	46	Without Circuit Breaker,	29	319-3263	1	Angle, Support (5-1/2")
			Entrance Box or BUS	30			Plug, Hole (Fits 3/8" Hole)
			Box		517-0131	1	Sets With Detector Control
	821-6002-03	36	With Circuit Breaker,		517-0131	3	Sets With PowerCommand
			Entrance Box or BUS				Control
			Box	31	402-0729	4	Isolator, Vibration
10	319-3283-02	1	Panel - Left Side - Bottom	32	319-3269	1	Angle, Support (6-1/2")
11			Washer, Lock - EIT (1/4")	33	319-1203-01	2	Gusset
	856-0006	1	Sets With Detector Control	34	526-1115	2	Washer, Flat (5/16") Sets
	856-0006	2	Sets With PowerCommand				With PowerCommand
			Control				Control
12	319-3258	2	Support, Control Box	35	870-2056	6	Nut, Hex (M10) Model HC7
13	319-2778	1	Panel - Rear				Generators
14	319-2767	1	Grille	36			Cover, Side - Upper
15	870-2054	10	Nut, Locking (M6)		319-1095	2	Without Circuit Breaker,
16	319-3281-01	1	Panel - Right Side - Upper				Entrance Box or BUS Box
17	319-0881	2	Cover, Side - Lower		319-1095	1	With Circuit Breaker,
18			Bracket, Saddle				Entrance Box or BUS Box
	319-3267	2	Model HC6 Generators	37	800-2086	6	Screw, Cap - Hex Head
	319-3268	2	Model HC7 Generators				(M10 x 25mm) Model HC7
19	319-3281-02	1	Panel - Left Side - Upper				Generators
20			Screw, Cap - Hex Head	38	319-2245	1	Cover, Control Box - Sets
			(M10 x 25mm)				With PowerCommand
	800-2086	15	Model HC6 Generators				Control
	800-2086	5	Model HC7 Generators	39	517-0135	1	Plug, Hole (Fits 5/8" Hole)

Generator Heater

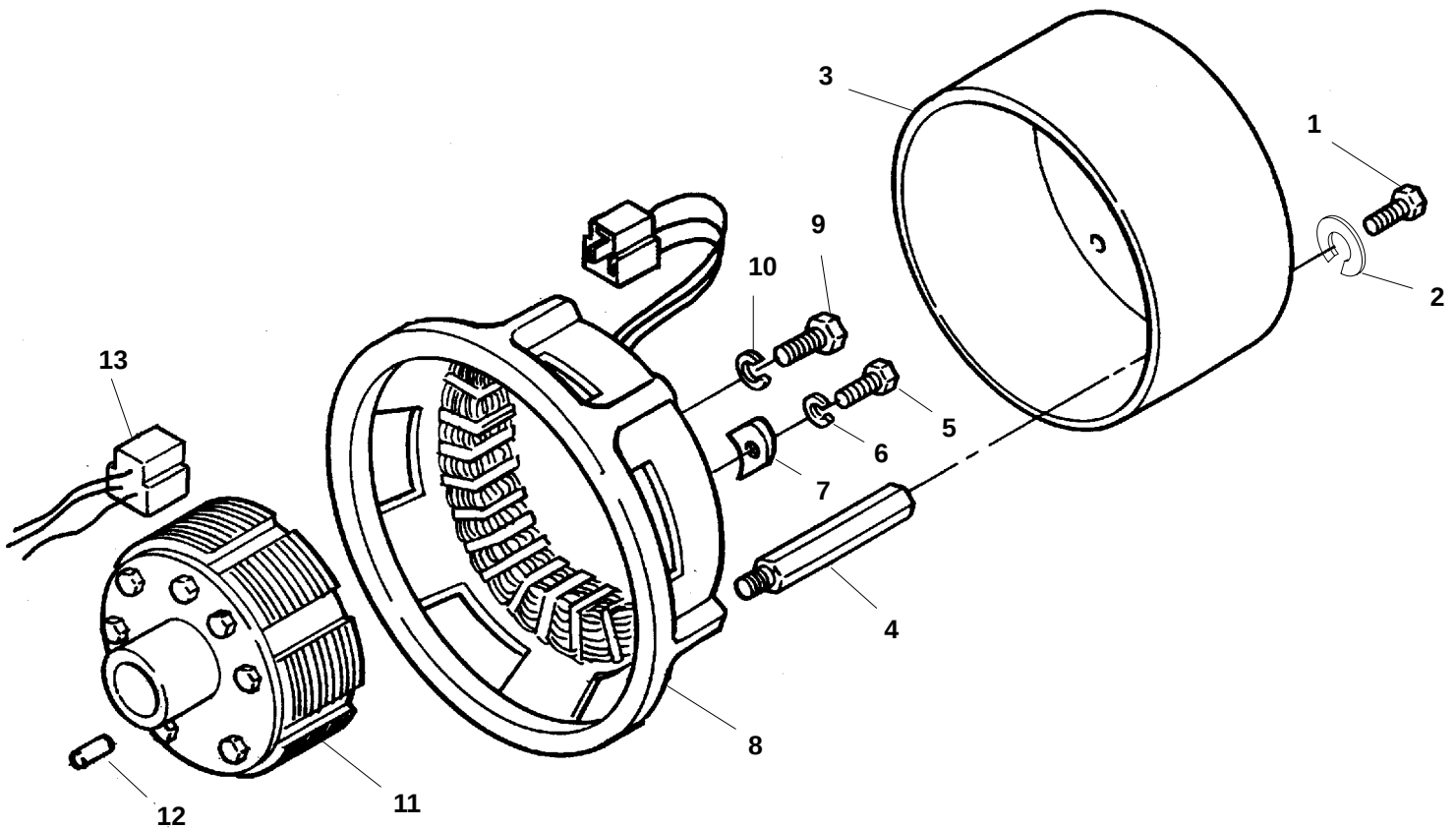


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Generator Heater

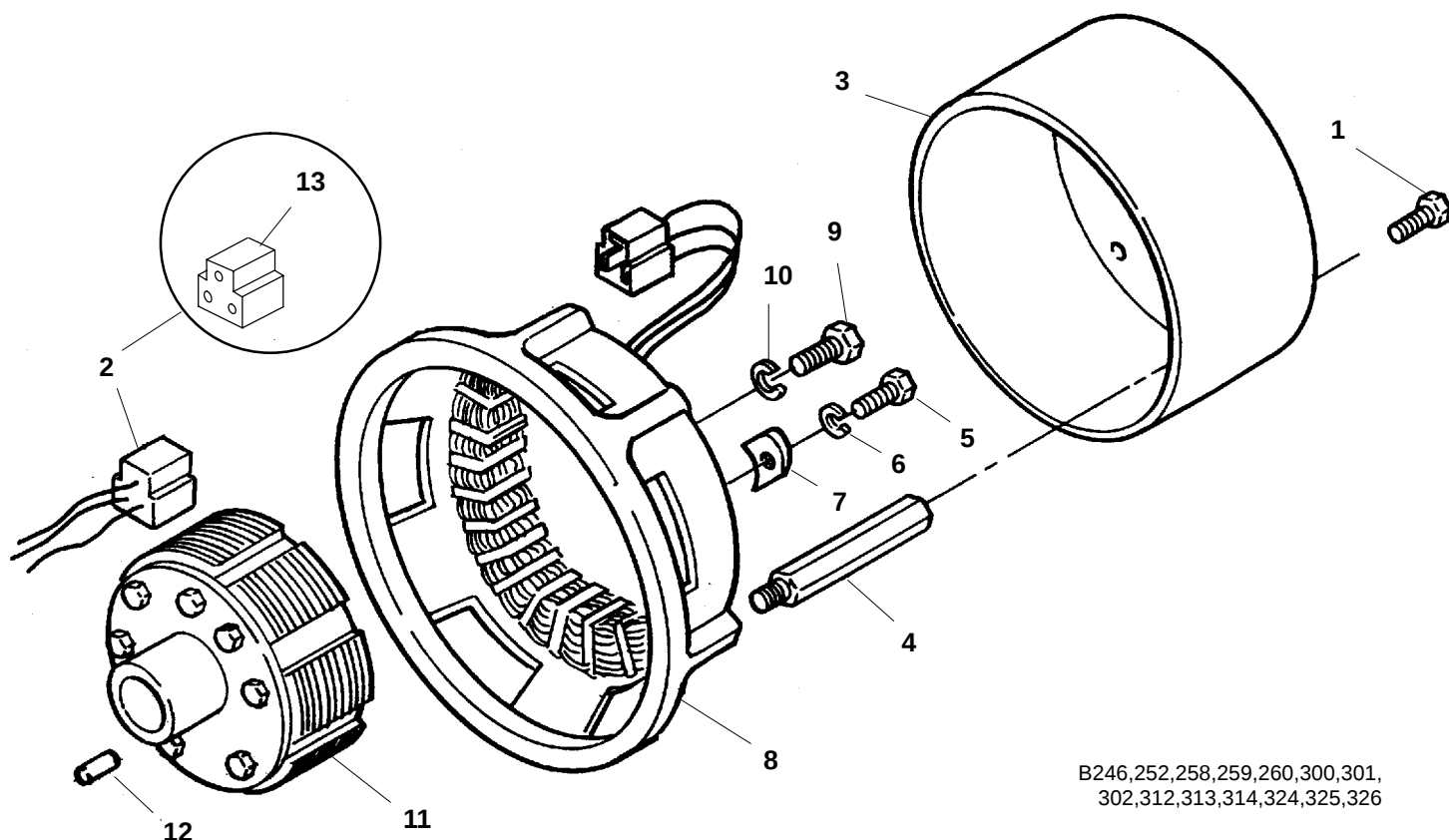
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	800-2010	4	Screw, Cap - Hex Head (M5 x 20mm) (Used On Some Early Spec A and B Models)	9			Nut, Hex (M4)
					860-2005	4	Spec A and B
					860-2005	2	Begin Spec C
2	333-0382-03	1	Heater, Generator (Includes Mounting Brackets And Terminal Block) (Used On Some Early Spec A and B Models) (120 Volt)	10	800-4074	2	Screw, Machine - Hex Head (M4 x 13mm) Spec A and B
3			Cartridge, Heater (300 Watt)	11	850-2003	1	Washer, Lock - Spring (M3)
	333-0438-05	1	120 Volt	12	822-3047	1	Screw, Machine - Pan Head (M3 x 20mm)
	333-0438-06	1	240 Volt	13	508-0228	1	Grommet
4			Bracket, Mounting - Heater - Spec A and B	14	332-3023	1	Block, Terminal
	232-3560	1	Left Side	15	330-0141-03	1	Cover, Box
	232-3561	1	Right Side	16	330-0142	1	Box, Terminal
5	330-0141-04	1	Gasket, Cover	17	232-3849	1	Bracket, Mounting - Heater - Begin Spec C
6	332-3024-14	2	Clamp, Loop	18	850-2005	2	Washer, Lock - Spring (M5) Begin Spec C
7	822-3075	6	Screw, Machine - Slotted Pan Head (M4 x 16mm)	19	860-2006	2	Nut, Hex (M5) Begin Spec C
8			Washer, Lock - Spring (M4)	20	800-2008	2	Screw, Cap - Hex Head (M5 x 16mm) Begin Spec C
	850-2004	4	Spec A and B	21	898-1254-25	1	Sleeving - Heater Leads (59") Begin Spec C
	850-2004	2	Begin Spec C	22	517-0021	1	Plug, Dot Button - Begin Spec C

Permanent Magnet Generator Spec A and B



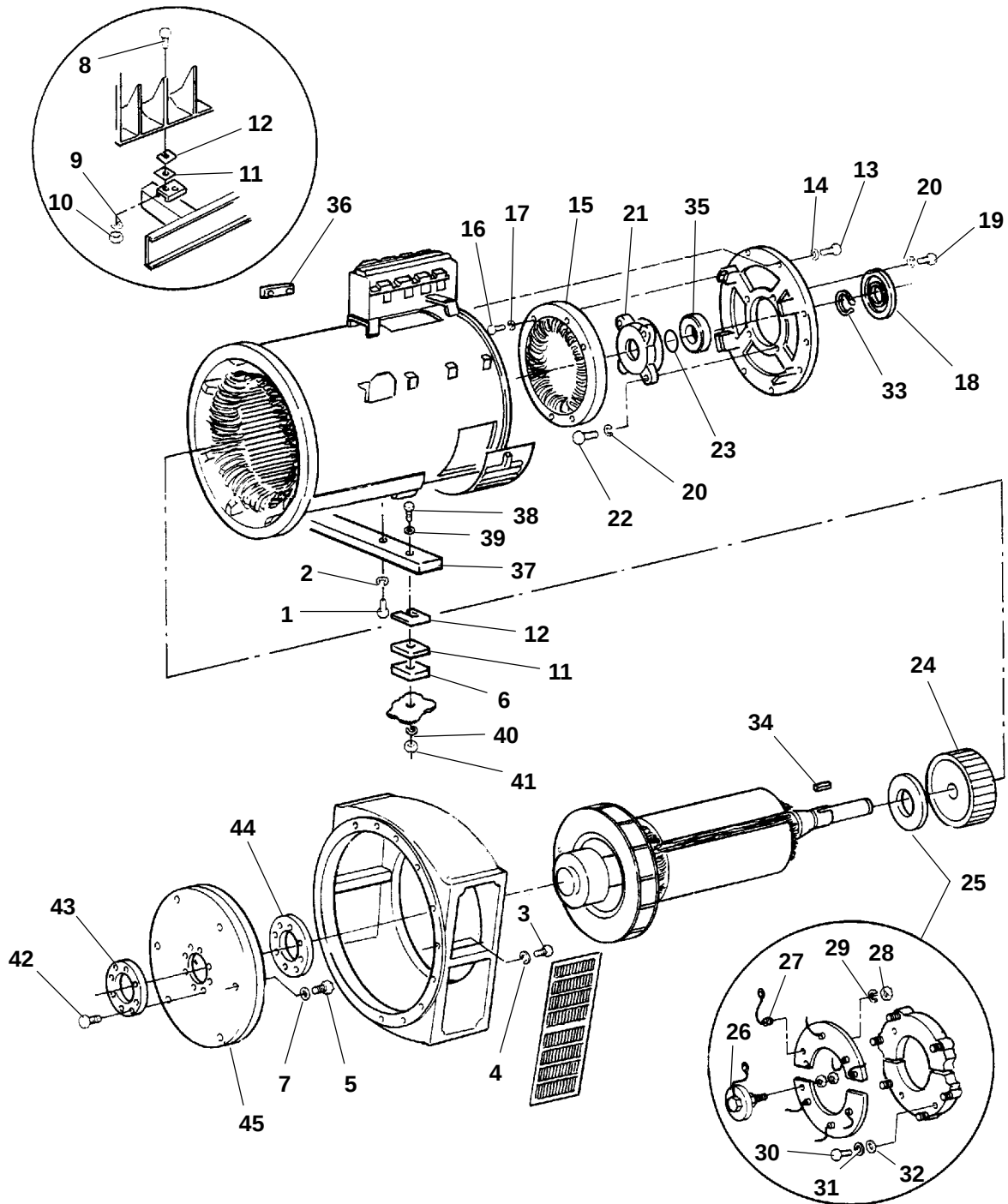
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	800-2004	3	Screw, Cap - Hex Head (M5 x 12mm)	8	249-0741	1	Stator
2	850-2005	3	Washer, Lock - Spring (M5)	9	249-0495	1	Bolt, Hex Head
3	234-0890	1	Cover	10	850-2010	1	Washer, Lock - Spring (M10)
4	232-3527	3	Spacer, Cover	11	249-0644	1	Rotor
5	800-2056	4	Screw, Cap - Hex Head (M8 x 16mm)	12	775-0049	1	Pin, Dowel
6	850-2008	4	Washer, Lock - Spring (M8)	13	249-0642	1	Harness, Wiring (Universal Replacement) Permanent Magnet Generator to AUX Terminal Strip
7	232-3526	4	Clamp, Stator				

**Permanent Magnet Generator
Model HC5 Generators
Begin Spec C**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	821-6001-02	3	Screw, Self-Locking - Hex Washer Head (M5 x 12mm)	6	850-0114-54	4	Washer, Lock - Spring (M8)
2	338-2508	1	Harness, Wiring - PMG (3 Wire, 30°) (Includes Housing Connector) (P2, P3, P4 to P2, P3, P4)	7	232-3526	4	Clamp, Stator
3	234-0890	1	Cover	8	220-4396	1	Stator, Exciter - PMG (Includes Four Mounting Spacers)
4	232-3527	3	Spacer, Mounting	9	815-0825	1	Bolt, Hex Head (M10 x 120mm)
5	800-3017-18	4	Screw, Cap - Hex Head (M8 x 16mm)	10	850-2010	1	Washer, Lock - Spring (M10)
				11	201-3510	1	Rotor, Exciter - PMG
				12	775-0049	1	Pin
				13	332-3021	1	Connector, Housing (3 Place)

Generator Model HC5 and HC6 Generators Spec A and B

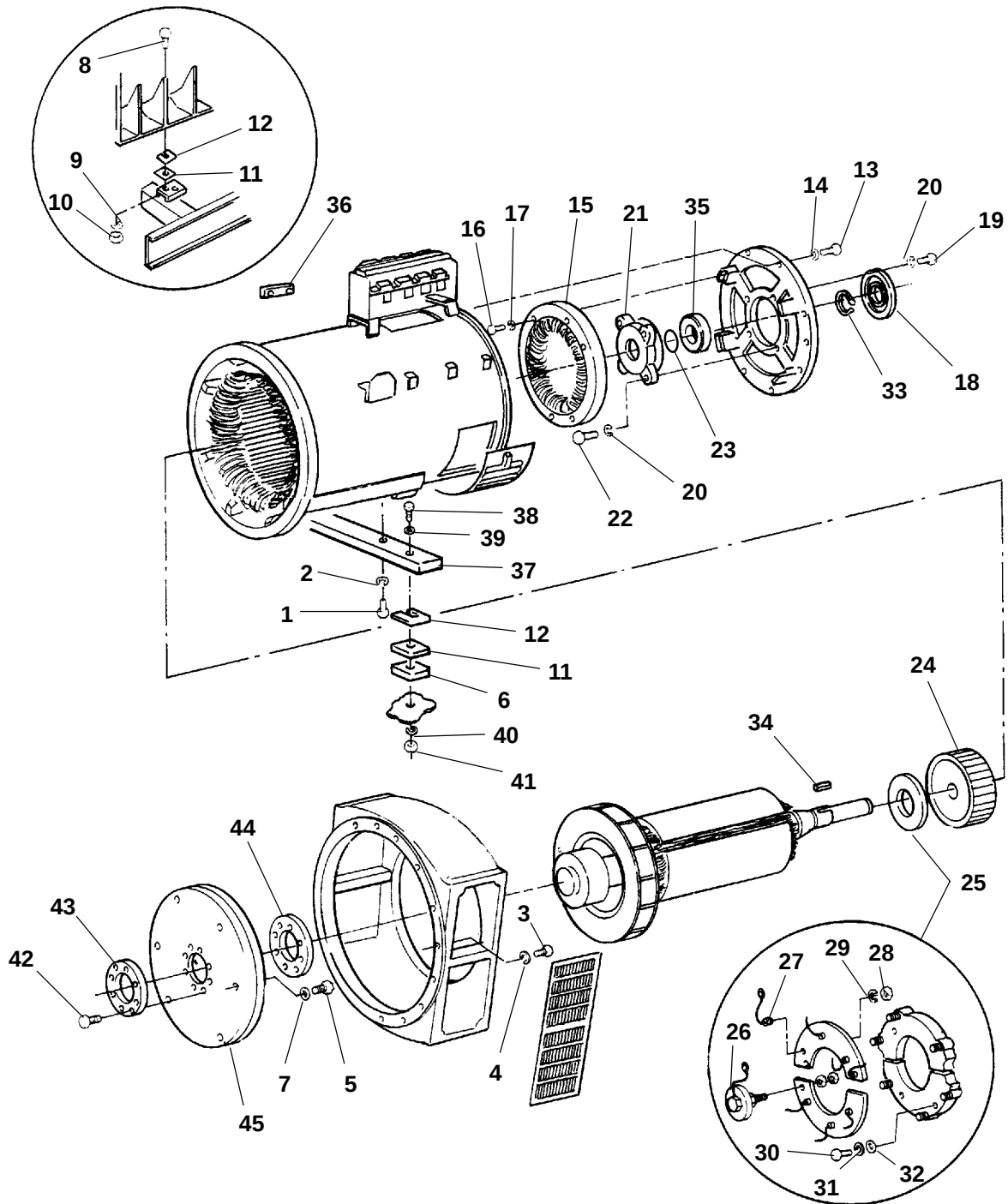


Generator Model HC5 and HC6 Generators Spec A and B

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	800-2242	2	Screw, Cap - Hex Head (M24 x 70mm) Model HC5 Generators	18	232-3519 249-0510	1 1	Cap, Bearing - Outer Model HC5 Generators Model HC6 Generators
2	850-2024	2	Washer, Lock - Spring (M24) Model HC5 Generators	19	800-2091	4	Screw, Cap - Hex Head Model HC5 Generators (M10 x 50mm)
3			Screw, Cap - Hex Head Model HC5 Generators		800-2528	4	Model HC6 Generators (M10 x 30mm)
	800-0092	8	1/2-13 x 1-1/2°				
	800-0094	4	1/2-13 x 2°	20	850-2010	8	Washer, Lock - Spring (M10)
	800-0576	16	Model HC6 Generators - 1/2-13 x 1-3/4°	21	232-3518-01	1	Cap, Bearing - Inner Model HC5 Generators
4			Washer, Lock - Spring (1/2°)		249-0509	1	Model HC6 Generators
	850-0060	12	Model HC5 Generators	22	800-2528	4	Screw, Cap - Hex Head (M10 x 30mm)
	850-0060	16	Model HC6 Generators				
5			Fastener	23	509-0266-03	1	Seal, O-Ring (Not Used On All Models)
	815-0725	6	Model HC5 Generators - Cap Screw - 12 Point (5/8-11 x 1-1/2°)	24			Rotor, Exciter
					249-0522	1	Model HC5 Generators
	805-0035	6	Model HC6 Generators - Place Bolt - Hex Head - Grade 8 (5/8-11 x 1-1/2°)		249-0512	1	Model HC6 Generators
				25	357-0093	1	Rectifier Assembly (Includes Diodes and Varistor)
				26			Varistor
6	403-2987	2	Spacer, Mounting (1-3/4° x 4°) Model HC5 Generators		249-0240	1	Model HC5 Generators
					249-0240	2	Model HC6 Generators
7	526-0416	6	Washer, Flat (5/8°)	27			Diode
8	800-0303	2	Screw, Cap - Hex Head (1-1/4-7 x 3-1/2°) Model HC6 Generators		249-0239	3	Forward
					249-0238	3	Reverse
				28	860-2006	6	Nut, Hex (M5)
9	850-0092	2	Washer, Lock - Spring (1-1/4°) Model HC6 Generators	29	850-2005	6	Washer, Lock - Spring (M5)
				30	800-2043	4	Screw, Cap - Hex Head (M6 x 65mm)
10	862-0017	2	Nut, Hex (1-1/4-7) Model HC6 Generators	31	850-2006	4	Washer, Lock - Spring (M6)
				32	526-2080	4	Washer, Flat (M6)
11	232-3710-03	4	Shim (1/8° Thk) Quantity Used As Required	33			Ring, Retaining
			Shim - Notched (Quantity Used As Required)		518-0018	1	Model HC5 Generators
12					249-0447	1	Model HC6 Generators
				34			Key
	232-3710-01	4	1/32° Thk		515-0300-01	1	Model HC5 Generators
	232-3710-02	4	5/64° Thk		249-0620	1	Model HC6 Generators
13			Screw, Cap - Hex Head Model HC5 Generators (M10 x 35mm)	35			Bearing, Ball
	800-2088	8	Model HC5 Generators		510-0168	1	Model HC5 Generators
					249-0448	1	Model HC6 Generators
	800-2114	8	Model HC6 Generators (M12 x 40mm)	36	249-0490	3	Link, Terminal (Quantity Used As Required)
14			Washer, Lock - Spring Model HC5 Generators (M10)	37	232-3591	1	Spacer, Bar - Model HC5 Generator
	850-2010	8	Model HC5 Generators				
	850-2012	8	Model HC6 Generators (M12)	38	800-0307	2	Screw, Cap - Hex Head (1-8 x 5°) Model HC5 Generators
15			Stator, Exciter				
	220-4248	1	Model HC5 Generators				
	249-0470	1	Model HC6 Generators				
16	800-2043	6	Screw, Cap - Hex Head (M6 x 65mm)				
17	850-2006	6	Washer, Lock - Spring (M6)				

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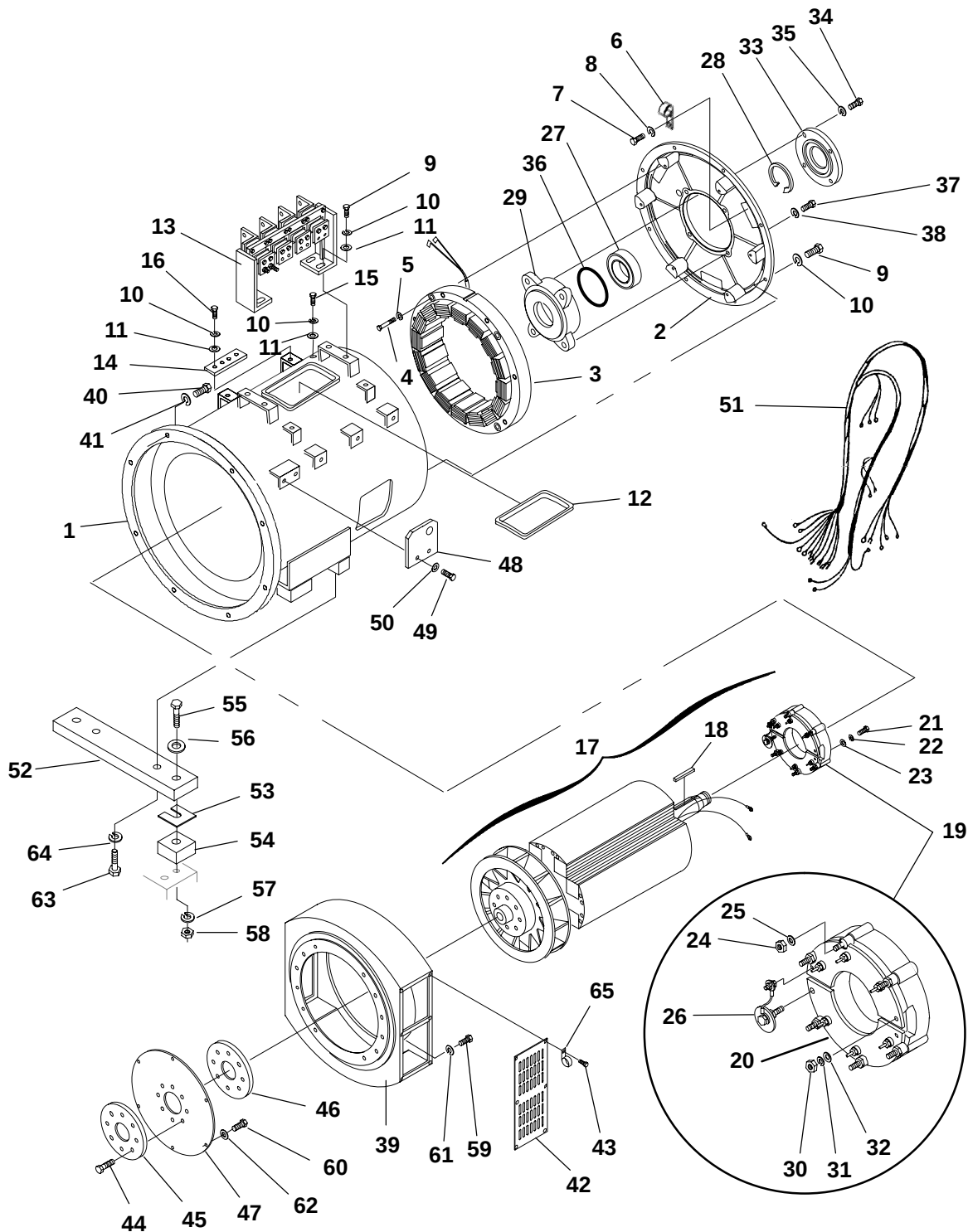
Generator Model HC5 and HC6 Generators Spec A and B



**Generator
Model HC5 and HC6 Generators
Spec A and B**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
Continued...							
39	526-0360	2	Washer, Flat (1 ⁹) Model HC5 Generators	For COMPLETE generator replacement, use the 249-XXXX-XX Cummins/Onan identification number listed in the Part No. Description column. In the Parts Description column is the corresponding generator model number. (Not Illustrated) HC534E-311-D52-4069 HC534F-311-D52-4070 HC534E-017-D52-4069 HC534F-017-D52-4070 MV634WJ-D67-1016 HC634G-311-D66-1032 HC634H-311-D66-1032 HC634G-007-D66-1032 MV634WG-D67-1016 MV634WJ-D67-1016			
40	850-0086	2	Washer, Lock - Spring (1 ⁹) Model HC5 Generators				
41	862-0018	2	Nut, Hex (1-8) Model HC5 Generators				
42			Screw, Cap - Hex Head - Model HC5 Generators				
	800-2206	8	M20 x 60mm				
	800-2208	8	M20 x 70mm				
43	232-3520-01	1	Spacer, Disc Drive - Model HC5 Generators	249-0175-03	1		
44			Spacer, Disc Drive - Model HC5 Generators	249-0175-04	1		
	232-3775-01	1	5/8 ⁹ Thk	249-0178-03	1		
	232-3775-03	1	23/32 ⁹ Thk	249-0178-04	1		
	232-3775-02	1	1 ⁹ Thk	249-0191-04	1		
45			Disc, Drive - Model HC5 Generators	249-5065-01	1		
	232-3821	1	17-3/4 ⁹ OD	249-5065-02	1		
	232-3522	1	18-3/8 ⁹ OD	249-5066-01	1		
	232-3744	1	22-1/2 ⁹ OD	249-5079-01	1		
				249-5079-02	1		

Generator Model HC5 Generators Begin Spec C



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313,314,324,325,326,372,373,374,392

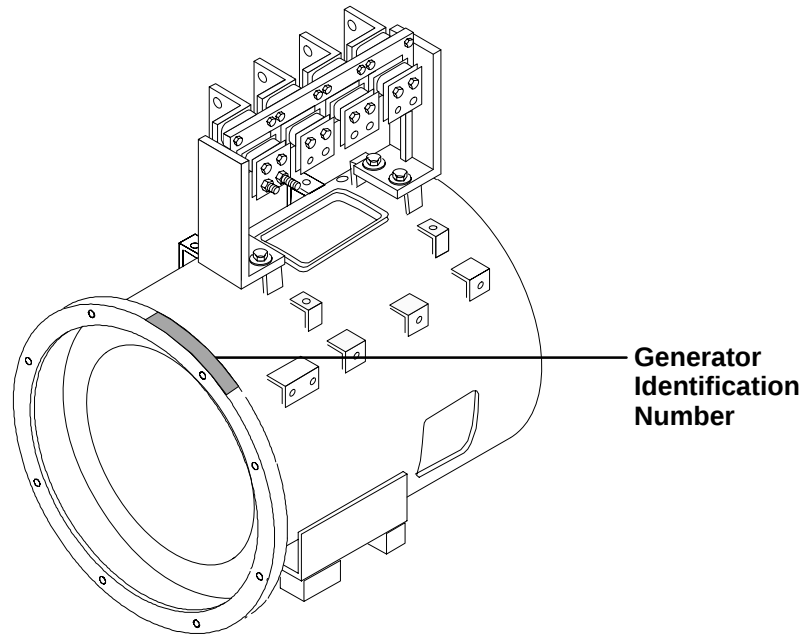
Generator Model HC5 Generators Begin Spec C

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	-	1	Stator Assembly, Generator - Complete (See Separate Page For Part Numbers) (Includes Parts Marked *)	40			Screw
2	211-0457	1	* Bell, End		800-3017-56	6	Cap - Hex Head (M12 x 40mm)
3	220-4389	1	* Stator, Exciter		725-1103	2	Socket Head (M12 x 40mm) (Bottom Holes)
4	800-2069	6	* Screw, Cap - Hex Head (M8 x 80mm)	41	850-0114-56	8	Washer, Lock - Spring (M12)
5	850-2008	6	* Washer, Lock - Spring (M8)	42	234-0944	2	Guard, Fan
6	425-1799	1	* Clamp, Cable	43	821-6001-02	12	Screw, Self-Locking - Hex Washer Head (M5 x 12mm)
7	800-2004	1	* Screw, Cap - Hex Head (M5 x 12mm)	44	720-1146	8	Screw, Cap - Hex Head (M20 x 60mm)
8	850-2005	1	* Washer, Lock - Spring (M5)	45	232-3520-01	1	Spacer, Drive Disc (3/8" Thk)
9	800-3017-39	12	* Screw, Cap - Hex Head (M10 x 35mm)	46	232-3775-01	1	Spacer, Drive Disc (5/8" Thk)
10	850-0114-55	14	* Washer, Lock - Spring (M10)	47	232-3744	4	Disc, Drive
11	526-2120	6	* Washer, Flat (M10)	48	232-3523	2	Bracket, Generator Lifting
12	508-1086	1	* Grommet	49	800-3017-55	4	Screw, Cap - Hex Head (M12 x 35mm)
13	232-3782	1	* Block, Main Terminal	50	850-0114-56	4	Washer, Lock - Spring (M12)
14	232-3785-02	3	* Bar, Terminal Link	51	338-3348	1	Harness, Wiring (5 Wire, 23°) (4,5,6,7,8 to 4,5,6,7,8) (Not Used On All Models)
15	800-2084	1	* Screw, Cap - Hex Head (M10 x 16mm)	52	232-3591	1	Spacer, Mounting (3-1/2" x 31°)
16	800-2090	1	* Screw, Cap - Hex Head (M10 x 45mm)	53			Shim (Quantity Used As Required)
17	-	1	Rotor Assembly, Generator - Complete (See Separate Page For Part Numbers) (Includes Parts Marked #)		403-2921	1	3-15/16" x 3-15/16" x 1/8" Thk (With 1-3/8" Hole)
18	515-0300-06	1	# Key		232-3552-01	1	4" x 4" x 1/64" Thk (With Slotted Hole and 1/4" Hole)
19	201-3508	1	# Rotor Assembly, Exciter (Includes Parts Marked +)		232-3552-02	1	4" x 4" x 5/64" Thk (With Slotted Hole and 1/4" Hole)
20	357-0093	1	#+ Rectifier Assembly (Includes Diodes and Varistor)	54	403-2987	2	Spacer, Mounting (4" x 4" x 1-3/4" Thk)
21	800-2045	4	#+ Screw, Cap - Hex Head (M6 x 75mm)	55	800-0307	2	Screw, Cap - Hex Head (1-8 x 5")
22	850-2006	4	#+ Washer, Lock - Spring (M6)	56	526-0360	2	Washer, Flat (1")
23	526-2080	4	#+ Washer, Flat (M6)	57	850-0086	2	Washer, Lock - Spring (1")
24	870-2064-02	6	#+ Nut, Hex (M5)	58	862-0018	2	Nut, Hex (1-8)
25	526-2060	6	#+ Washer, Flat (M5)	59			Screw, Cap - Hex Head - Grade 8
26	249-0797	1	Kit, Diode (Includes Varistor And All Diodes)		800-0558	8	1/2-13 x 1-1/2"
27	510-0168	1	# Bearing, Ball		800-0609	4	1/2-13 x 2" (3 and 9 O'Clock Positions)
28	518-0018	1	# Ring, Retaining	60	805-0035	6	Bolt, Place (5/8-11 x 1-1/2") Grade 8
29	232-3518-01	1	# Housing, Bearing	61	850-0060	12	Washer, Lock - Spring (1/2")
30	860-2006	2	# Nut, Hex (M5)	62	526-0416	6	Washer, Flat (5/8")
31	850-2005	2	# Washer, Lock - Spring (M5)	63	800-2242	2	Screw, Cap - Hex Head (M24 x 70mm)
32	526-2060	2	# Washer, Flat (M5)	64	850-2024	2	Washer, Lock - Spring (M24)
33	232-3981-01	1	# Cover, Bearing Housing	65	332-3196	1	Clamp, a J°
34	800-2087	4	# Screw, Cap - Hex Head (M10 x 30mm)	* - Parts Included In Generator Stator Assemblies			
35	850-2010	4	# Washer, Lock - Spring (M10)	# - Parts Included In Generator Rotor Assemblies			
36	509-0266-03	1	# O-Ring	+ - Parts Included In 201-3508 Exciter Rotor Assembly			
37	800-2091	4	Screw, Cap - Hex Head (M10 x 50mm)				
38	850-2010	4	Washer, Lock - Spring (M10)				
39	231-0344	1	Adapter, Generator				

Generator Rotor and Stator Part Numbers

Model HC5 Generators

Begin Spec C

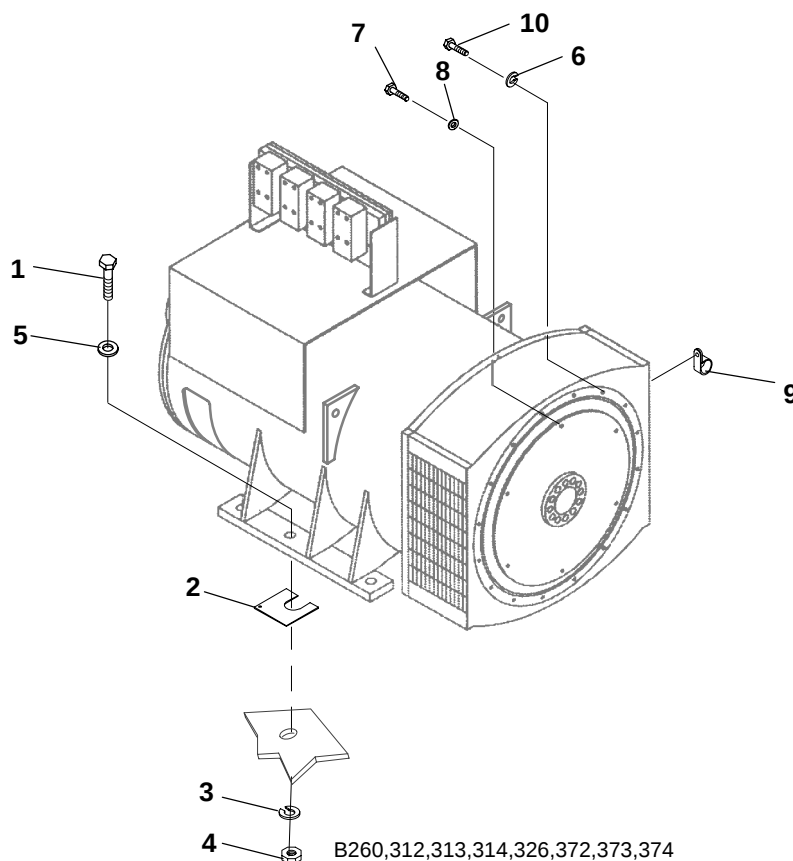


Service replacement part numbers for the main generator stator and rotor can be determined by locating the Cummins/Onan 249-XXXX-XX generator identification number. This number is stamped on the engine end of the main stator adapter ring in the area shown in the above illustration. Find the corresponding number in the chart below for the stator and rotor replacement part numbers and also to determine the generator model number. For COMPLETE generator replacement use the 249-XXXX-XX Cummins/Onan identification number.

Component parts that are included with the main stator and rotor are listed on the ^a Generator, Model HC5 Generators, Begin Spec C^o pages of this catalog.

Cummins/Onan Identification Number	Generator Model	Stator Assembly Part Number	Rotor Assembly Part Number
249-0175-02	HC5	220-4398-02	201-3505-02
249-0175-03	HC5	220-4398-03	201-3505-03
249-0175-04	HC5	220-4398-04	201-3505-04
249-0178-02	HC5	220-4398-06	201-3505-02
249-0178-03	HC5	220-4398-07	201-3505-03
249-0178-04	HC5	220-4398-08	201-3505-04
249-5085-02	HC5	220-4474-02	201-3505-02
249-5085-03	HC5	220-4474-03	201-3505-03
249-5085-04	HC5	220-4474-04	201-3505-04
249-5086-02	HC5	220-4474-06	201-3505-02
249-5086-03	HC5	220-4474-07	201-3505-03
249-5086-04	HC5	220-4474-08	201-3505-04

Generator Mounting **Model HC6 and HC7 Generators** **Begin Spec C**



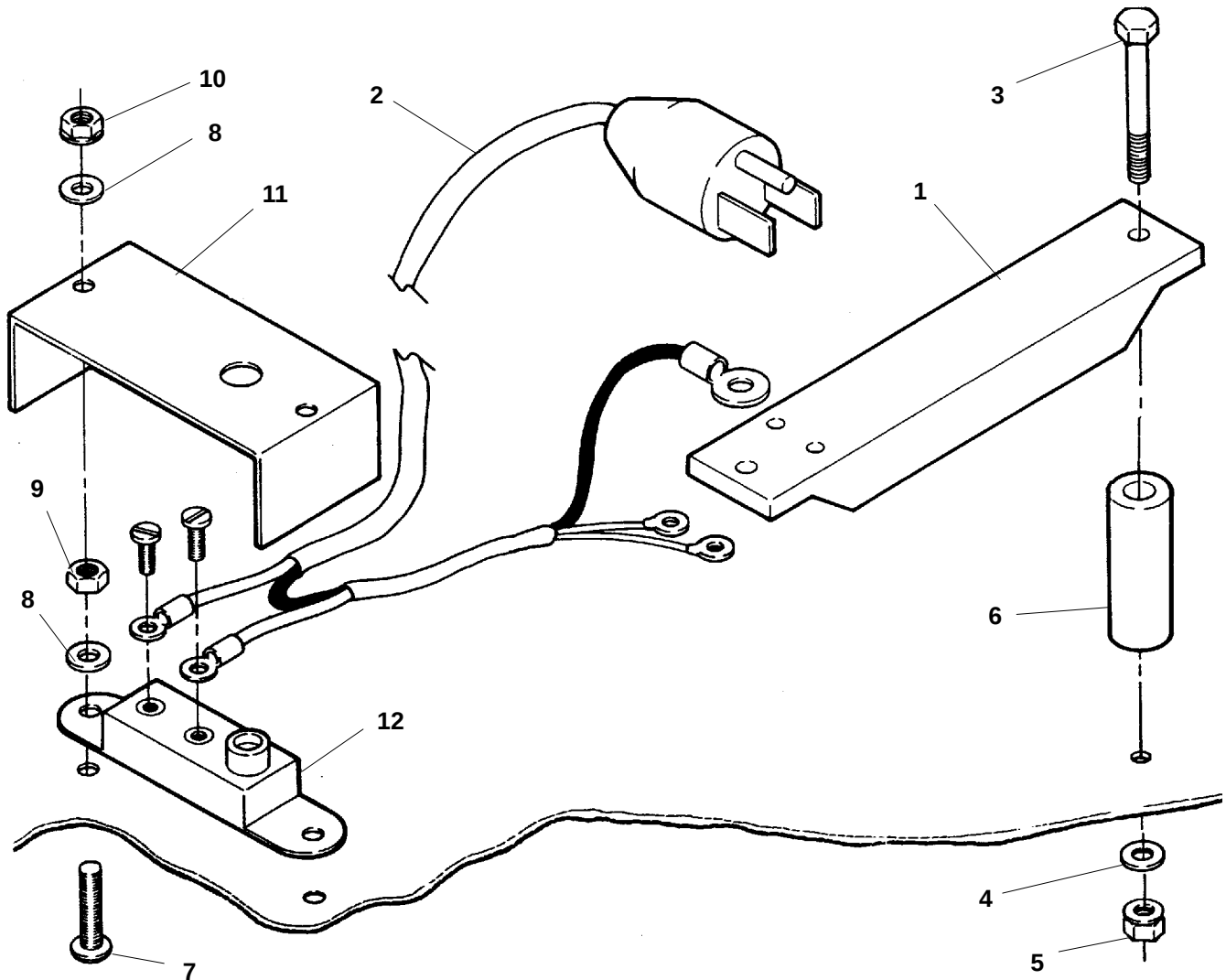
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	800-0303	2	Screw, Cap - Hex Head (1-1/4-7 x 3-1/2 ^o)	6	850-0060	16	Washer, Lock - Spring (1/2 ^o)
2			Shim (Quantity Used As Required)	7	805-0035	6	Bolt, Place (5/8-11 x 1-1/2 ^o) Grade 8
	232-3710-01	4	1/64 ^o Thk	8	526-0416	6	Washer, Flat (5/8 ^o)
	232-3710-02	4	5/64 ^o Thk	9	332-3196	1	Clamp, ^a J ^o
	232-3710-031	4	1/8 ^o Thk	10			Screw, Cap - Hex Head - Grade 8
3	850-0092	2	Washer, Lock - Spring (1-1/4 ^o)		800-0576	16	Model HC6 Generators (1/2-13 x 1-3/4 ^o)
4	862-0017	2	Nut, Hex (1-1/4-7)		800-0596	16	Model HC7 Generators (1/2-13 x 2-1/4 ^o)
5	526-0445	4	Washer, Flat (1-3/8 ^o ID x 3 ^o OD x .136 Thk) Model HC7 Generators				

Generator
Model HC6 and HC7 Generators
Begin Spec C

Frame 6 and Frame 7 generator component parts cannot be ordered from Onan. Refer to the Newage nameplate and supply all available information. Contact your nearest Newage distributor for assistance in ordering component parts. For COMPLETE generator replacement use the 249-XXXX-XX Onan identification number listed below.

Cummins/Onan Identification Number	Generator Model
249-0192-04	MV734WE
249-5065-01	HC634G
249-5065-02	HC634H
249-5066-01	HC634G
249-5079-02	MV634WJ
249-5088-01	HC634G
249-5088-02	HC634H
249-5090-01	HC634G
249-5095-04	MV734WE
249-5096-02	MV634WJ

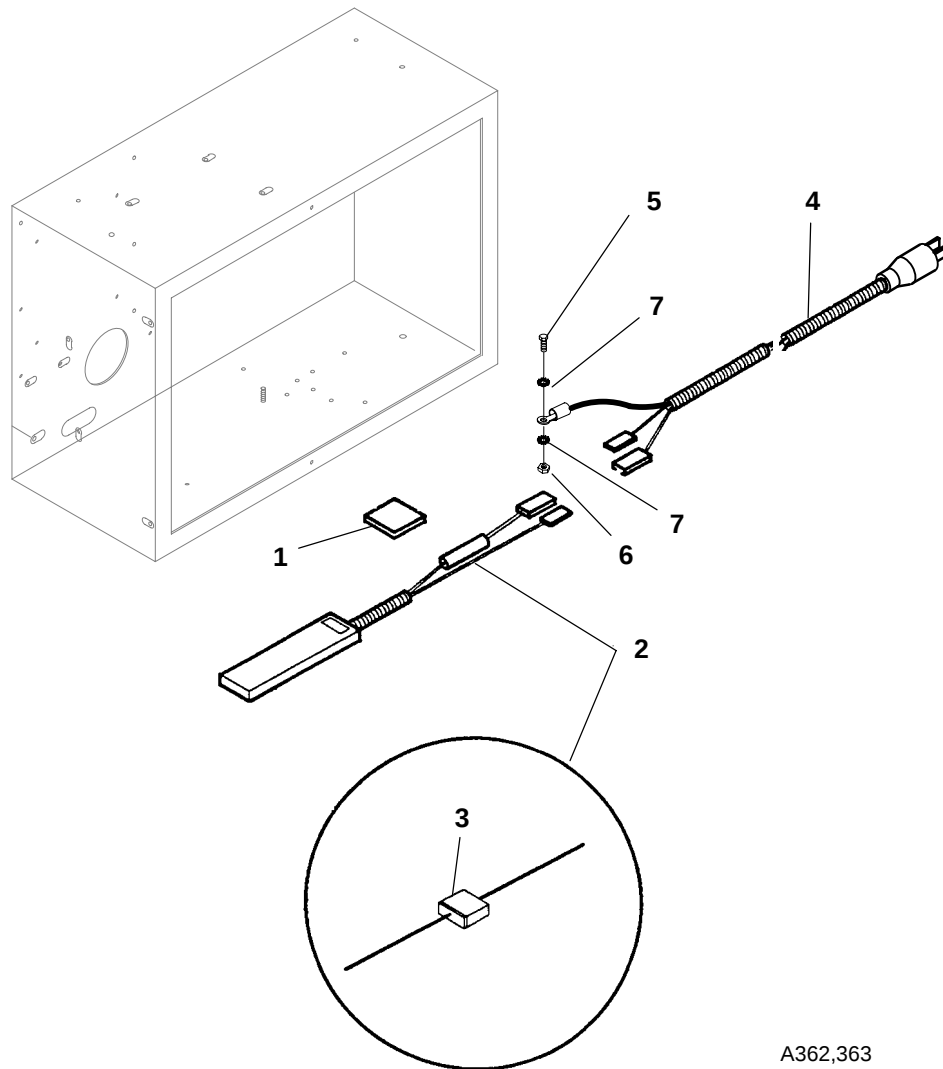
**Control Heater
Generator Sets With Detector Control
Spec A through C**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	333-0151	1	Heater (75 Watt, 120 Volt) (HR1)
2	335-0161	1	Harness, Wiring (7') (P1)
3	800-0034	2	Screw, Cap - Hex Head (5/16-18 x 2-1/4 ⁹)
4	526-0113	2	Washer, Flat (5/16 ⁹)
5	870-0257	2	Nut, Self-Locking - Hex Head (5/16-18)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
6	130-1107	2	Spacer
7	812-0070	2	Screw, Machine - Round Head (#6-32 x 1-1/4 ⁹)
8	854-0006	4	Washer, Lock - IT (#6)
9	860-0006	2	Nut, Hex (#6-32)
10	870-0183	2	Nut, Hex - W/ET (#6-32)
11	301-1886	1	Cover
12	309-0128	1	Thermostat - Adjustable (S1)

**Control Heater
Generator Sets With Detector Control
Begin Spec D**

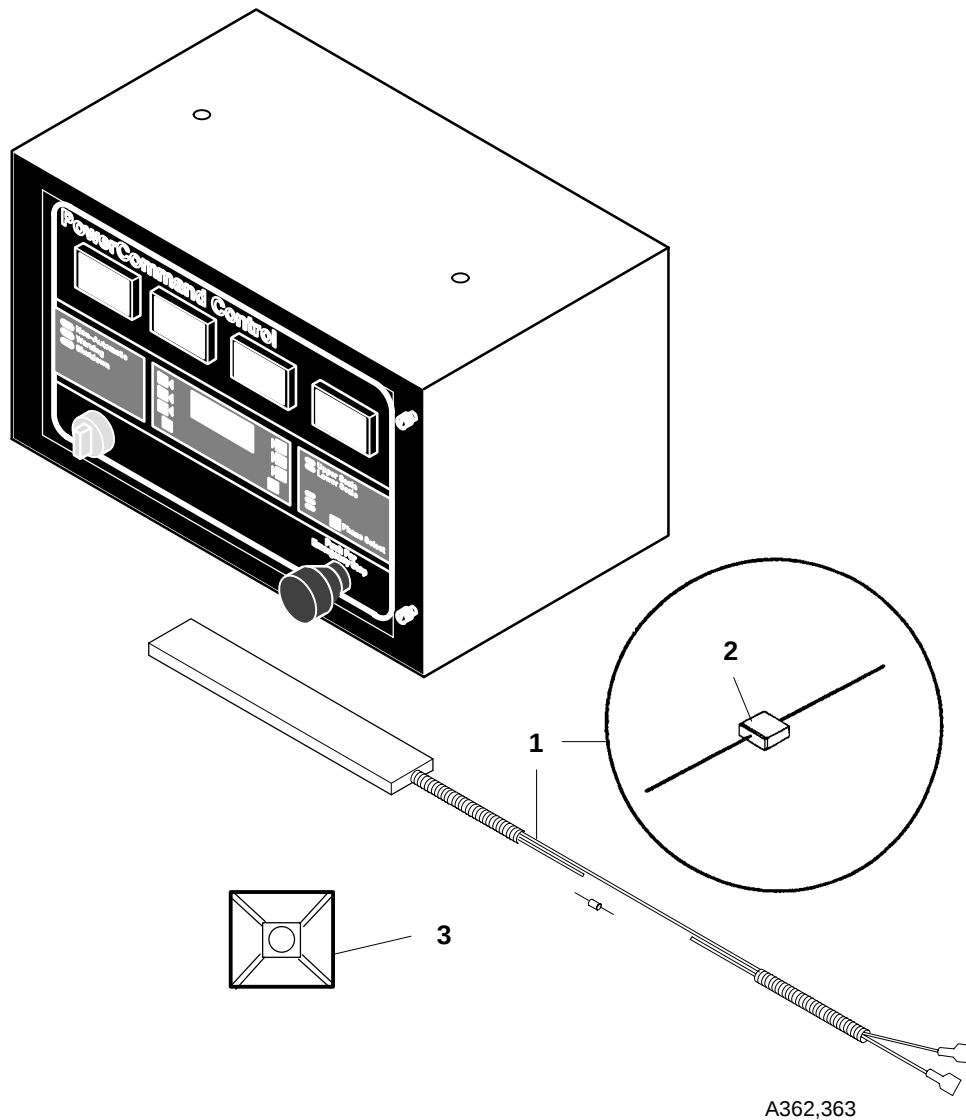


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REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-3338	2	*#Mount, Cable	6	870-0257	1	*Nut, Locking - Hex (5/16-18)
2			Heater Assembly, Control - 100 Watt (Includes Rectifier)	7	856-0008	2	*Washer, Lock - EIT (5/16 ⁹)
	300-4515-01	1	* 120 Volt				
	300-4515-02	1	# 240 Volt				
3	357-0114	1	*#Rectifier (3 Amp)				
4	335-0173	1	*Cable, Heater (7')				
5	800-0024	1	*Screw, Cap - Hex Head (5/16-18 x 3/4 ⁹)				

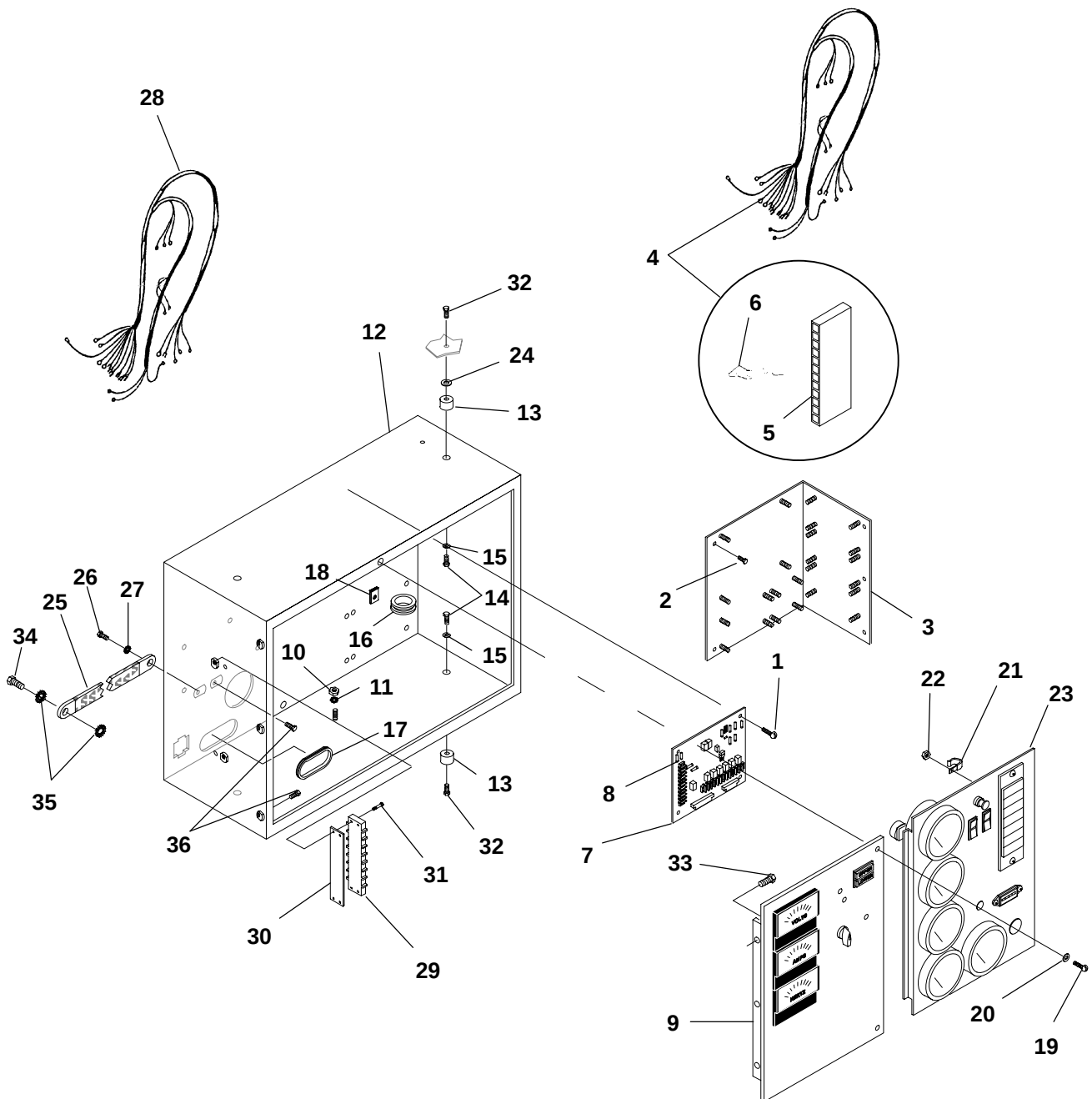
* - Parts Used in 120 Volt Control Heater Application
- Parts Used in 240 Volt Control Heater Application

Control Heater Generator Sets With PowerCommand Control Begin Spec D



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				

Detector Control

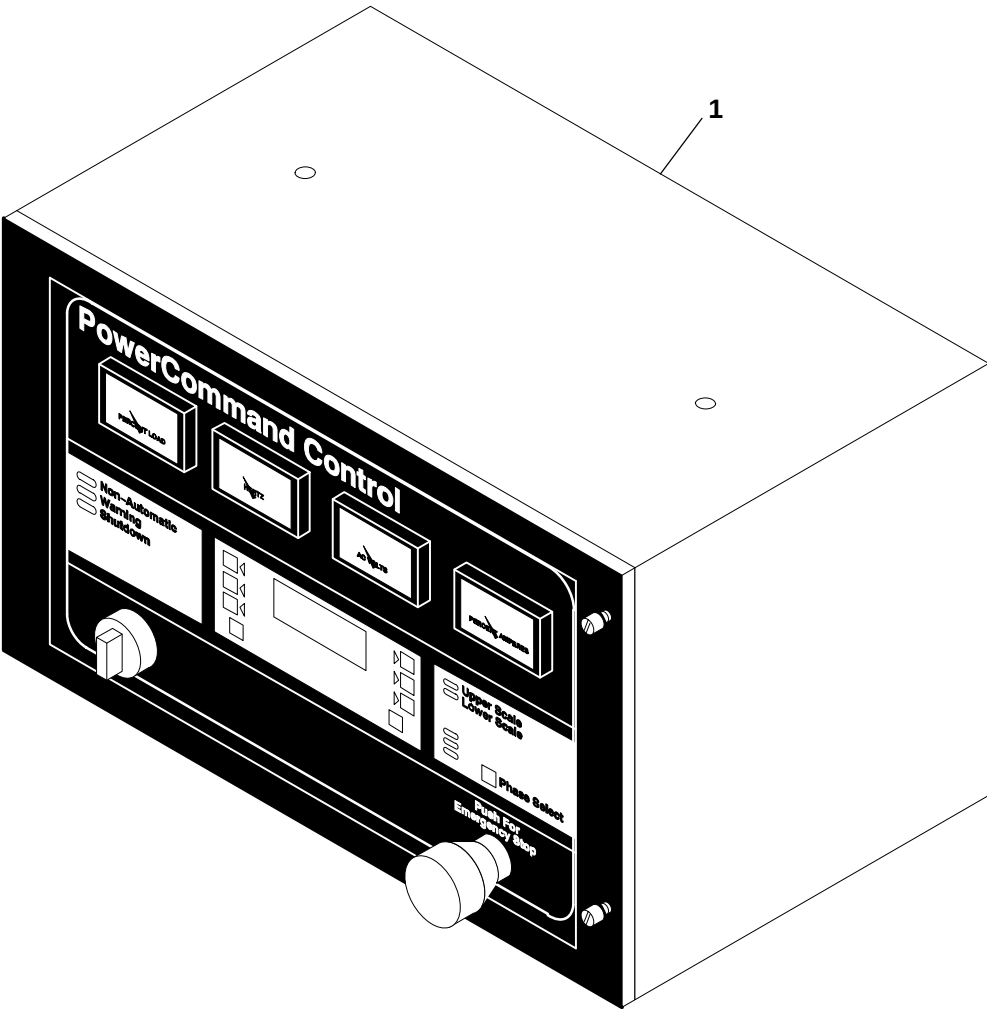


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Detector Control

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	815-0388	4	Screw, Pan Head - Cross Recessed (#6-32 x 1/2 ^o)	13	402-0527	4	Isolator, Vibration
2	821-0004	8	Screw, Self-Locking - Hex Washer Head (#10-32 x 5/16 ^o)	14	800-0045	4	Screw, Cap - Hex Head (5/16-18 x 3/8 ^o)
3	301-8851	1	Bracket, Mounting - Used Spec A Through Early Portion Of Spec G	15	850-0045	4	Washer, Lock - Spring (5/16 ^o)
4			Harness, Wiring - DC Control Door Assembly to Engine Monitor Board (Includes Connector Housing and Contact Pins)	16	508-0001	1	Grommet (Fits 1-1/16 ^o Hole)
	338-2277	1	Spec A and B	17	508-0051	1	Grommet (Fits 2 ^o Hole)
	338-3252	1	Begin Spec C	18	406-0332	2	Receptacle, Fastener
5	323-1308	1	Housing, Connector (12 Place) (J4)	19	406-0333	2	Stud, Fastener
6			Pin, Contact	20	406-0334	2	Washer, Stud Retainer
	323-1302	12	Spec A and B	21	332-0052	2	Clip, Wire
	323-1302	11	Begin Spec C	22	870-0131	6	Nut, Hex - W/ET (#10-32)
7			Board Assembly, Printed Circuit - Engine Monitor (Includes Fuses) (A11)	23	-	1	Door, Assembly - Control - DC (See Separate Page For Components)
	300-4295	1	7 Light Control	24	526-0013	2	Washer, Flat (25/64 ^o)
	300-4297	1	12 Light Control	25			Strap, Ground
8			Fuse		337-0049	1	Spec A and B
			Cylinder Shaped (Used Approximately During Spec A and B)		337-0049	3	Begin Spec C
	321-0270	2	20 Amp (F1,F2)	26	800-0024	3	Screw, Cap - Hex Head (5/16-18 x 1/2 ^o)
	321-0231	1	15 Amp (F3)	27	856-0008	3	Washer, Lock - W/EIT (5/16 ^o)
	321-0094	2	5 Amp (F4,F5)	28	338-2278	1	Harness, Wiring - AC Control Door Assembly to TB21 Terminal Block (Includes TB21 Terminal Block)
			U Shaped (Used Approximately Begin Spec C)	29	332-0607	1	Block, Terminal - 12 Place (TB21)
	321-0307-03	2	5 Amp (Tan) (F4, F5)	30	332-2723	1	Strip, Marker
	321-0307-06	1	15 Amp (Light Blue) (F3)	31	815-0901-06	2	Screw, Machine - Hex Head (#6-32 x 5/8 ^o)
	321-0307-07	2	20 Amp (Yellow) (F1, F2)	32	821-0014	4	Screw, Self-Locking - Hex Washer Head (5/16-18 x 1/2 ^o)
9	-	1	Door Assembly - Control - AC (See Separate Page For Components)	33	821-0004	8	Screw, Self-Locking - Hex Washer Head (#10-32 x 5/16 ^o)
10	871-0015	1	Nut, Hex (1/4-20)	34	821-0010	1	Screw, Self-Locking - Hex Washer Head (1/4-20 x 1/2 ^o)
11	853-0013	1	Washer, Lock - W/ET (1/4 ^o)	35	856-0006	2	Washer, Lock - EIT (1/4 ^o)
12			Box, Control	36	821-5000-05	8	Screw, Self-Locking - Hex Washer Head (#10-32 x 1/2 ^o)
			Sets Without AC Meters				
	301-8065	1	Spec A Through Early Portion Of Spec G (Sets With PC Boards Mounted On 301-8851 L-Shaped Bracket)				
	319-3030	1	Begin Later Portion Of Spec G (Sets With PC Boards Mounted To Control Box)				
	301-8065	1	Sets With AC Meters				

PowerCommand Control
Begin Spec D

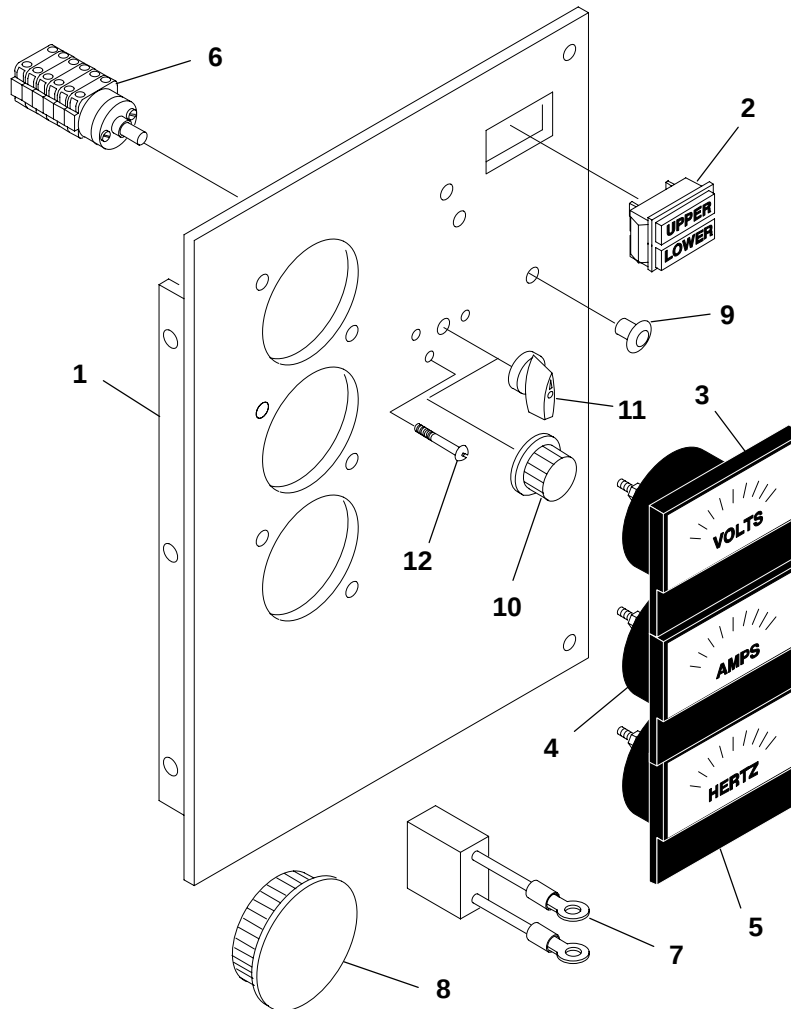


H530,532,555

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

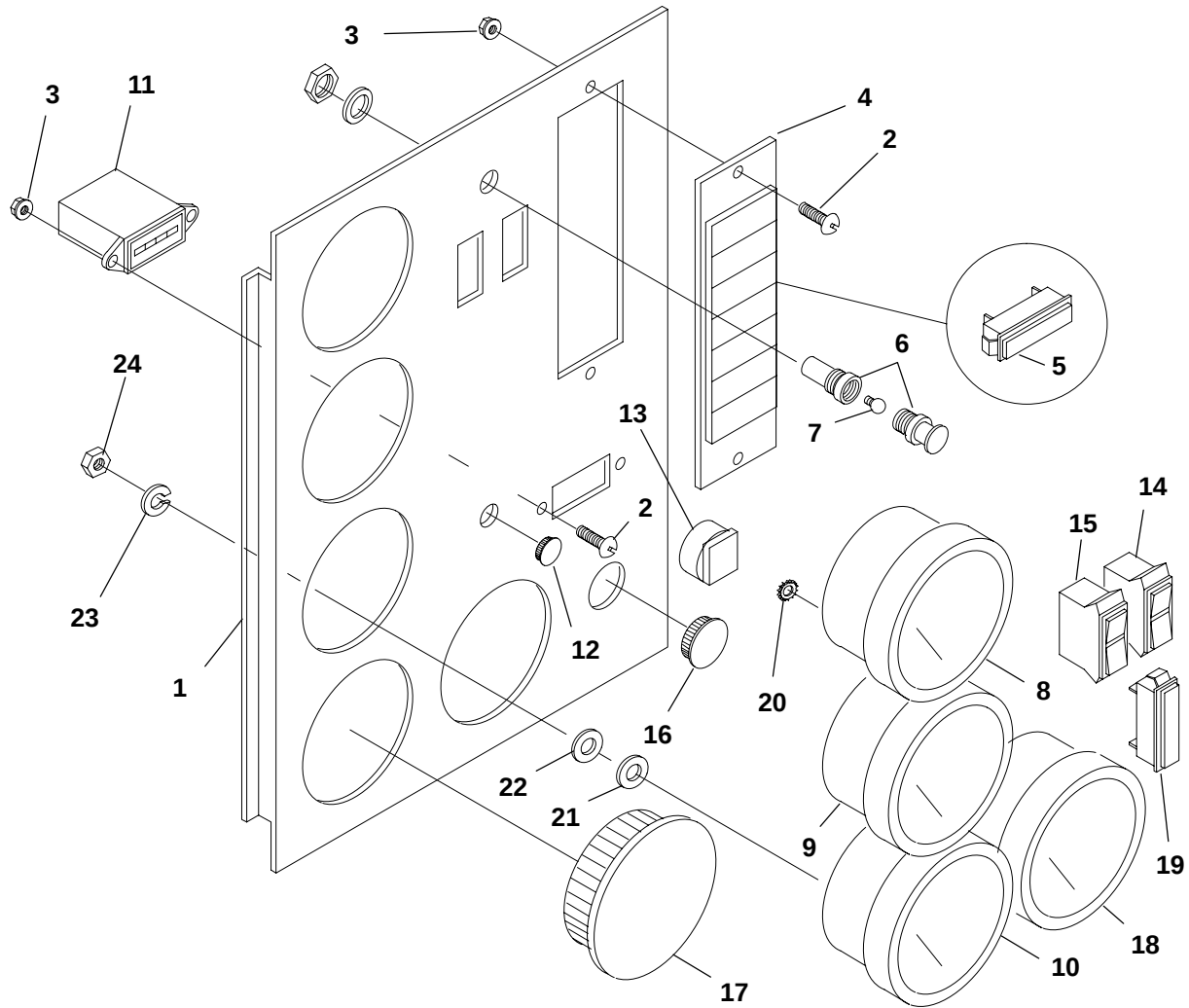
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
Note: For PowerCommand Control Service Replacement Parts, Order PowerCommand Control For Generator Sets Parts Catalog Number 960-0205.			

AC Control Door Assembly Generator Sets With Detector Control



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	301-9054-01	1	Door, Control - AC With Four Meter Holes	7	355-0189	1	Capacitor - Voltmeter (.1 Mfd., 500 WVDC) (C21)
	301-9054-04	1	Door, Control - AC With Six Meter Holes	8	517-0302	1	Plug, Hole (Fits 2-1/4" Hole)
2	322-0363	1	Light, Indicator - Upper/Lower Scale (DS21, DS22)	9	517-0131	1	Plug, Hole (Fits 3/8" Hole) Used Approximately During Spec A And B
3	302-1148	1	Voltmeter (M21) Scale Reads 0-300/600	10	303-0032	1	Knob, Rotary Switch (Earlier Round Style) Used Approximately During Spec A And B
	302-1753	1	Voltmeter (M21) Scale Reads 0-750	11	308-1082	1	Knob, Rotary Switch (Later Wedge Style) Used Approximately Begin Spec C
	302-1938	1	Voltmeter (M21) Scale Reads 0-5200	12	815-0875-02	3	Screw, Machine - Round Head (M4 x 8mm)
4	302-1147	1	Ammeter (M22) Scale Reads 0-75/150				
	302-1683	1	Ammeter (M22) Scale Reads 0-100/200				
	302-1684	1	Ammeter (M22) Scale Reads 0-150/300				
	302-1729	1	Ammeter (M22) Scale Reads 0-750/1500				
	302-1798	1	Ammeter (M22) Scale Reads 0-1000/2000				
	302-1799	1	Ammeter (M22) Scale Reads 0-1500/3000				
5	302-1968	1	Meter, Frequency (M23)				
6	308-1052	1	Switch, Rotary - Voltmeter/Ammeter (Includes Knob) (S21)				

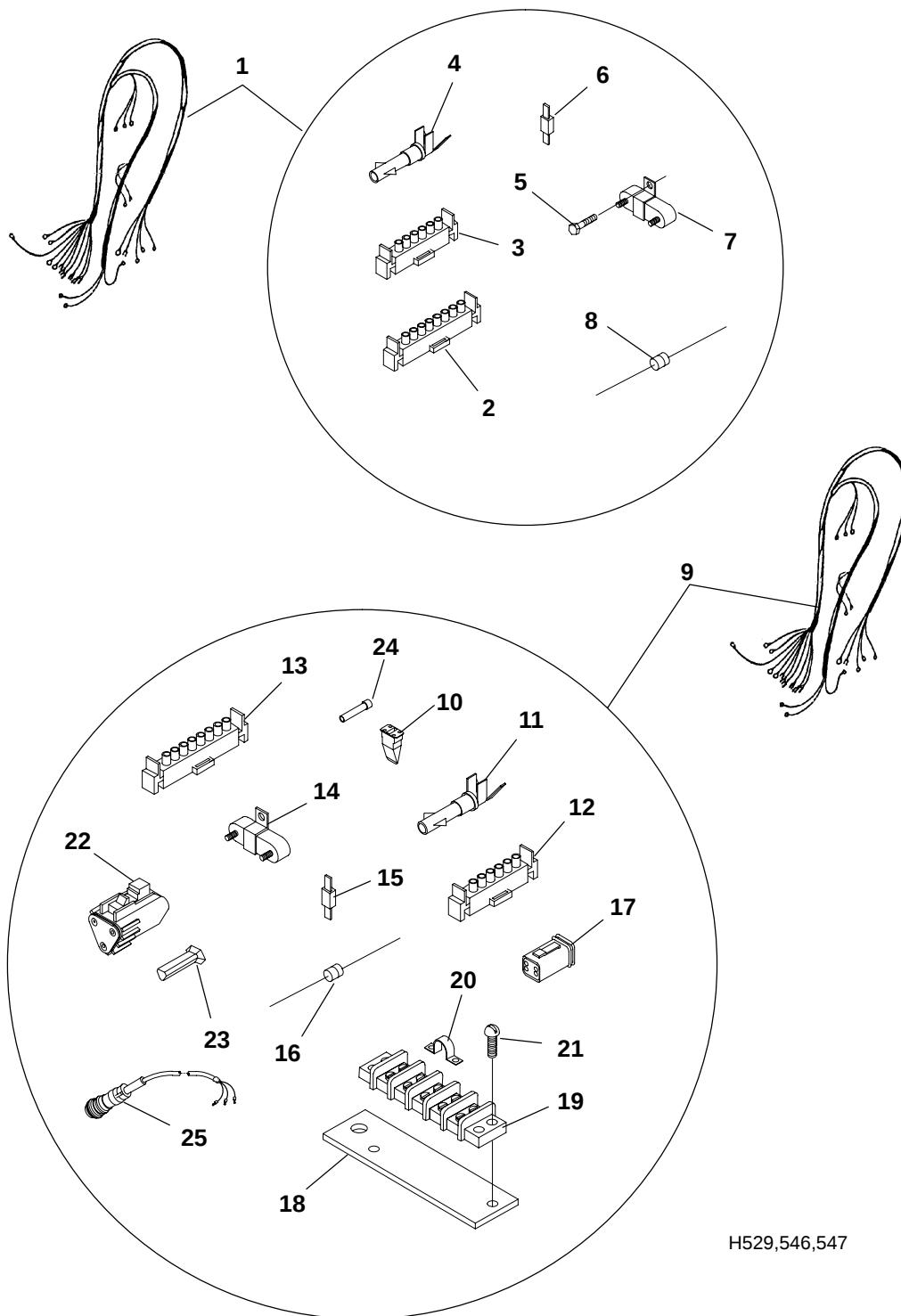
DC Control Door Assembly Generator Sets With Detector Control



DC Control Door Assembly Generator Sets With Detector Control

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Door, Control - DC	14			Switch, Rocker - Lamp
	301-9055-02	1	Doors With Three Round Gauge Holes				Test/Reset Panel Lamp - Preheat (S11)
	301-9055-01	1	Doors With Five Round Gauge Holes	308-0892	1		Used Approximately During Spec A And B
2	815-0385	4	Screw, Machine - Round Head (#6-32 x 1/2")	308-1010	1		Used Approximately Begin Spec C
3	870-0183	4	Nut, Hex - W/ET (#6-32)	15			Switch, Rocker -
4			Light Assembly, Indicator (Includes Wiring Harness and Connector Housing) (A12)	308-0784	1		Run/Stop/Remote (S12)
	322-0359-02	1	7 Light Assembly	308-1011	1		Used Approximately During Spec A And B
	322-0360-02	1	12 Light Assembly				Used Approximately Begin Spec C
5	322-0369-02	1	Light, Indicator - Replacement	16	517-0137	1	Plug, Hole (Fits 7/8" Hole)
6	322-0361	1	Light, Panel (DS11)	17	517-0301	1	Plug, Hole (Fits 2" Hole)
7	322-0017	1	Bulb, Panel Light - Replacement				Quantity Used As Required
8	193-0466	1	Gauge, Oil Pressure (M11)	18	302-1723	1	Ammeter - Blank Scale (Used Approximately During Spec A And B) (Quantity Used As Required)
9	193-0351	1	Gauge, Water Temperature (M12)				
10	302-1642	1	Voltmeter (M13)	19	301-6257	1	Switch - Blank (Used Approximately During Spec A And B)
11	302-0885	1	Meter, Time Totalizing (M14)				
12	517-0131	1	Plug, Hole (Fits 3/8" Hole)	20	853-0008	1	Washer, Lock - ET (#10)
13	193-0250	2	Resistor (Mounted on Oil Pressure and Water Temperature Gauges) (R12, R13) (R11, R12 Designation Used Approximately During Spec A And B)	21	526-0409	8	Washer, Nylon (3/8" OD x .194" ID x 1/8" Thk)
				22	526-0049	16	Washer, Flat (#10)
				23	850-0030	8	Washer, Lock - Spring (#10)
				24	871-0010	16	Nut, Hex - Brass (#10-32)

Wiring Harness **Engine to Control** **Generator Sets With Detector Control**



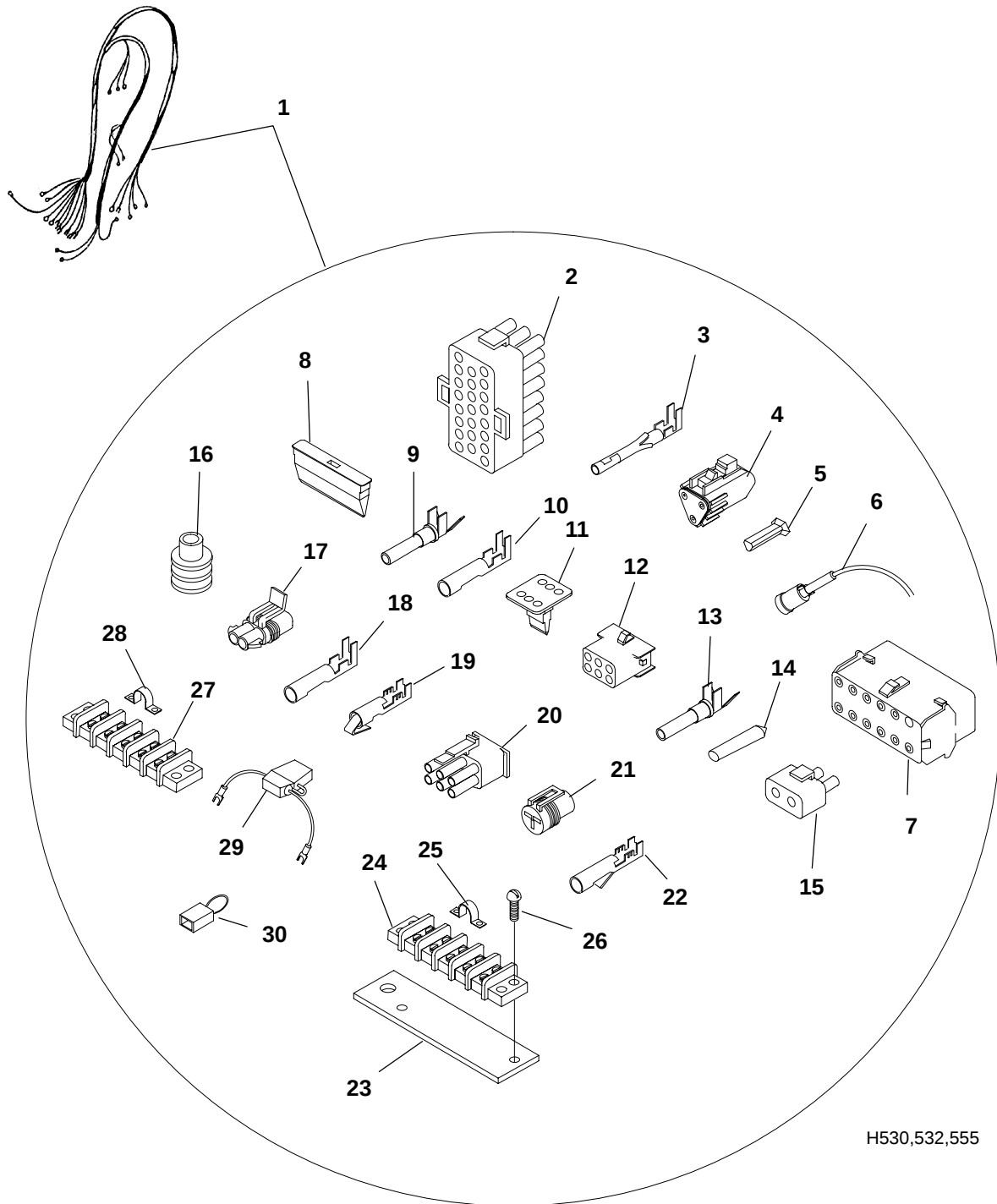
H529,546,547

Wiring Harness Engine to Control Generator Sets With Detector Control

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-2632	1	Harness, Wiring - EngineTo Control - Generator Sets With Detector Control - Spec A (Includes Parts Marked *)	13	323-1306	1	## Housing, Connector (8 Place) (J1)
2	323-1306	1	*Housing, Connector (8 Place) (J1)	14	353-0094-01	1	## Resistor (R1)
3	323-1304	1	*Housing, Connector (6 Place) (J2)	15	357-0030	1	## Rectifier (CR1)
4	323-1200	11	*Socket, Contact (Used in J1, J2)	16	359-0051	1	## Diode (CR2)
5	800-1003	1	*Screw, Cap - Hex Head (1/4-20 x 1/2 ⁹)	17	323-1546	1	+ Plug, Connector (4 Place) (E1)
6	357-0030	1	*Rectifier (CR1)	18	319-2006-01	1	## Marked °26° (T26)
7	353-0094-01	1	*Resistor (R1)		319-2006-02	1	## Marked °GND° (GND-ENG)
8	359-0051	1	*Diode (CR2)	19	332-0604	2	## Block, Terminal (5 Place)
9			Harness, Wiring - Engine To Control - Generator Sets With Detector Control	20	332-1043	8	## Jumper
	338-2994	1	Spec B Through E (Includes Parts Marked #)	21	815-0538	4	## Screw, Machine - Round Head - Cross Recessed W/IT (#8-32 x 1/2 ⁹)
	338-3345	1	Begin Spec F (Includes Parts Marked +)	22	323-1493	1	+ Plug, Connector (3 Place) (P3)
10	323-1548	1	+ Wedge (Used in E1)	23	323-1503	1	+ Wedge (Used In P3)
11	323-1200	11	## Socket, Contact (Used In J1, J2)	24	323-1591	1	+ Plug, Seal (Used In E1)
12	323-1304	1	## Housing, Connector (6 Place) (J2)	25	338-1765-05	1	# Cable, Magnetic Pickup (70°) (P1)

* - Parts Included In 338-2632 Wiring Harness
- Parts Included In 338-2994 Wiring Harness
+ - Parts Included In 338-3345 Wiring Harness

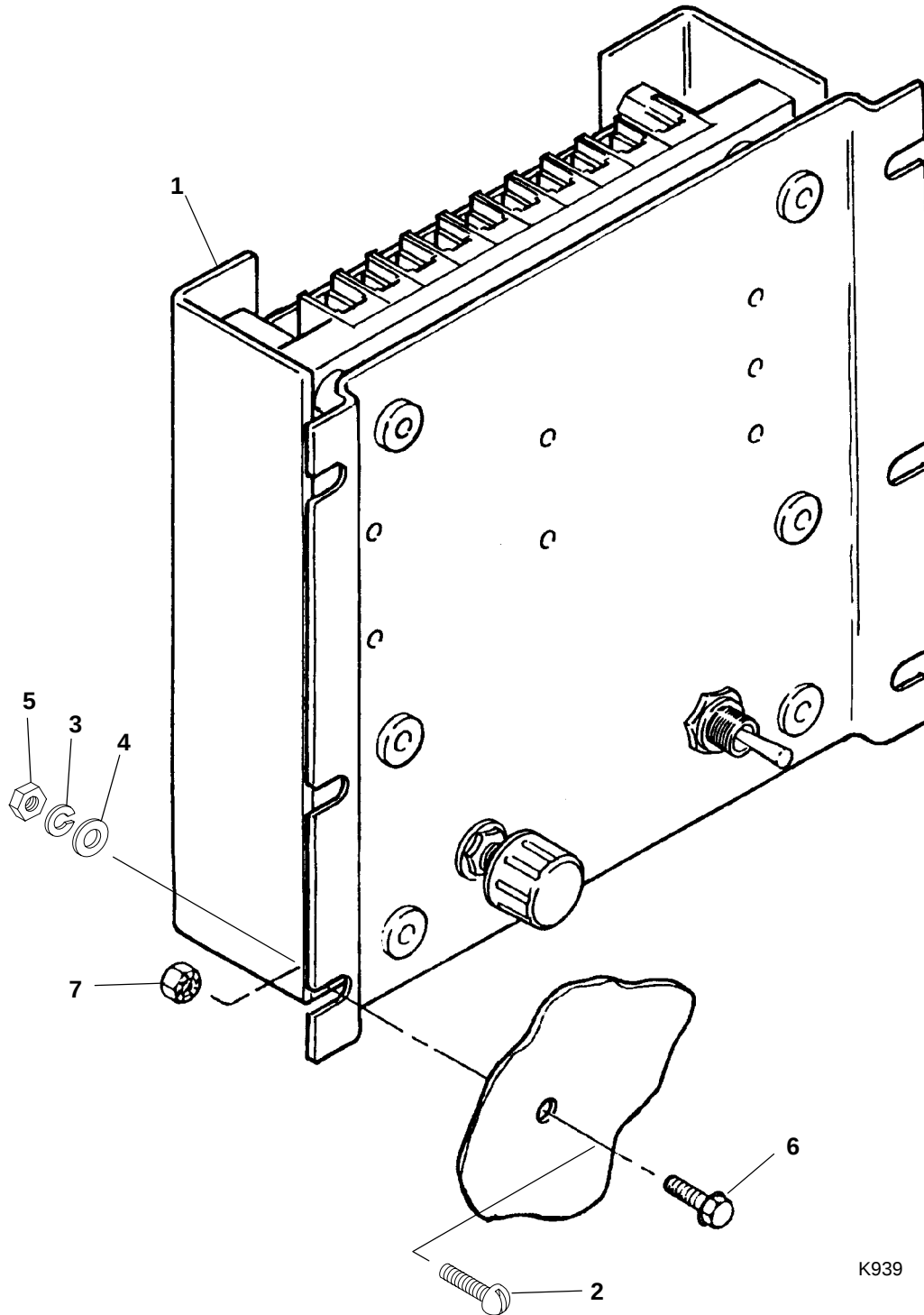
Wiring Harness Engine to Control Generator Sets With PowerCommand Control Begin Spec D



**Wiring Harness
Engine to Control
Generator Sets With PowerCommand Control
Begin Spec D**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Harness, Wiring - Engine To Control - Generator Sets With PowerCommand Control Spec D and E	14	323-1615	1	*+## Plug (Used On P4, P5, P6) (Quantity Used As Required)
	338-3015	1	Sets With Model HC5 Generator (Includes Parts Marked *)	15	323-1637	2	*+## Socket, Connector (2 Place) (E6, E7)
	338-3039	1	Sets With Model HC6 or HC7 Generator (Includes Parts Marked +)	16	323-1445	10	*+## Seal (Used On E2, E3, E4, E6, E7)
			Begin Spec F (Includes Parts Marked #)	17	323-1540	3	*+## Socket, Connector (2 Place) (E2, E3, E4)
	338-3352-01	1	Sets With Model HC5 Generator	18	323-1444	4	*+## Socket, Contact (Used In E6, E7)
	338-3352-02	1	Sets With Model HC6 or HC7 Generator	19	332-3096-01	6	*+## Socket, Contact (Used In E2, E3, E4)
2			Plug, Connector (23 Place)	20	323-1643-01	1	*+## Plug, Connector (6 Place) (P10)
	323-1605-03	1	*+## Colored Grey (P5)	21	323-1666	1	*+## Socket, Connector (3 Place) (E1)
	323-1605-02	2	*+## Colored Natural (P4, P6)	22	323-1667	3	*+## Socket, Contact (Used In E1)
3			Socket, Contact (Used In P4, P5, P6)	23			Bracket, Mounting - Terminal
	323-1614-01	53	* Sets With HC5 Generator Spec C Through E		319-2006-01	1	*+## Marked °26° (T26)
	323-1614-01	49	+ Sets With HC6 or HC7 Generator Spec C Through E		319-2006-02	1	*+## Marked °GND° (GND-ENG)
	323-1614-01	49	# All Generator Models Begin Spec F	24	332-0604	2	*+## Block, Terminal (5 Place)
4	323-1493	1	# Plug, Connector (3 Place) (P3)	25	332-1043	8	*+## Jumper
5	323-1503	1	# Wedge (Used In P3)	26	815-0538	4	*+## Screw, Machine - Round Head - Cross Recessed W/IT (#8-32 x 1/2°)
6	338-2592-03	1	*+## Cable, Magnetic Pickup (115°) (Includes Indented Sockets Listed Below) (P1)	27	332-0604	1	*+## Block, Terminal (5 Place) (TB-BAT)
	323-1614-01	3	Socket, Contact	28	332-1043	3	*+## Jumper (Used On TB-BAT)
7	323-1580	1	*+## Housing, Connector (12 Place) (J12)	29	321-0339	1	*+## Holder Assembly, Fuse (Used On TB-BAT) (Includes Indented Parts Listed Below)
8	323-1581	1	*+## Wedge (Used In J12)		321-0325	1	Holder, Fuse
9	323-1491	5	*+## Pin, Contact (Used In J12)		321-0307-07	1	Fuse - 20 Amp (Colored Yellow)
10	323-1648	5	*+## Socket, Contact (Used In P10)	30	338-3285	2	*+## Harness Assembly, Jumper (Includes Parts Indented Below) (Used on E6, E7)
11	323-1624	1	*+## Wedge (Used In P7)		323-1652	2	Socket, Connector (2 Place)
12	323-1623	1	*+## Plug, Connector (6 Place) (P7)		323-1445	4	Seal
13			Socket, Contact		323-1718	4	Pin, Contact
	323-1492	6	*+ Wiring Harness 338-3015 and 338-3039 (Used In P7)	* - Parts Included In 338-3015 Wiring Harness + - Parts Included In 338-3039 Wiring Harness # - Parts Included In 338-3352-01 and 338-3352-02 Wiring Harnesses			
	323-1492	9	# Wiring Harness 338-3352-01 and 338-3352-02 (Used In P3, P7)				

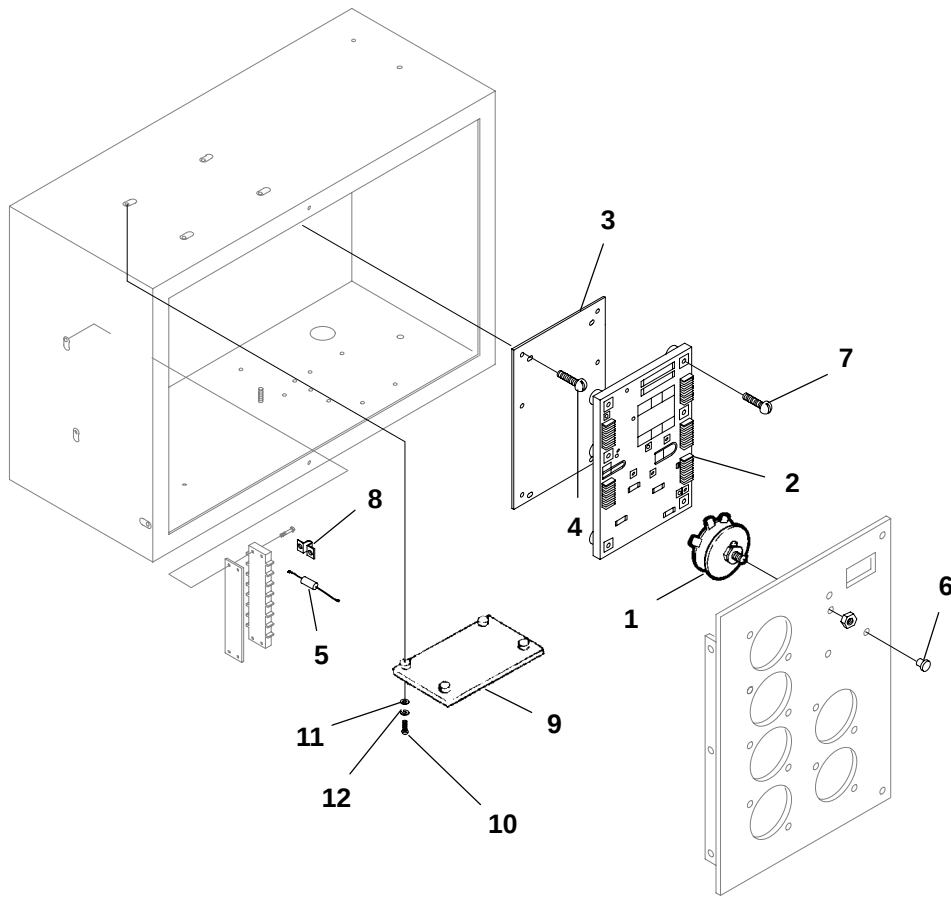
Manual Voltage Regulator



K939

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	305-0817	1	Regulator, Voltage - Manual (MVR)	5	871-0010	4	Nut, Hex (#10-32) Spec A,B
2	813-0100	4	Screw, Machine - Round Head (#10-32 x 1/2") Spec A,B	6	821-0005	4	Screw, Self-Locking - Hex Washer Head (#10-32 x 1/2") Begin Spec C
3	850-0030	4	Washer, Lock - Spring (#10) Spec A,B	7	870-0131	4	Nut, Hex - W/ET (#10-32) Begin Spec C
4	526-0008	4	Washer, Flat (#10) Spec A,B				

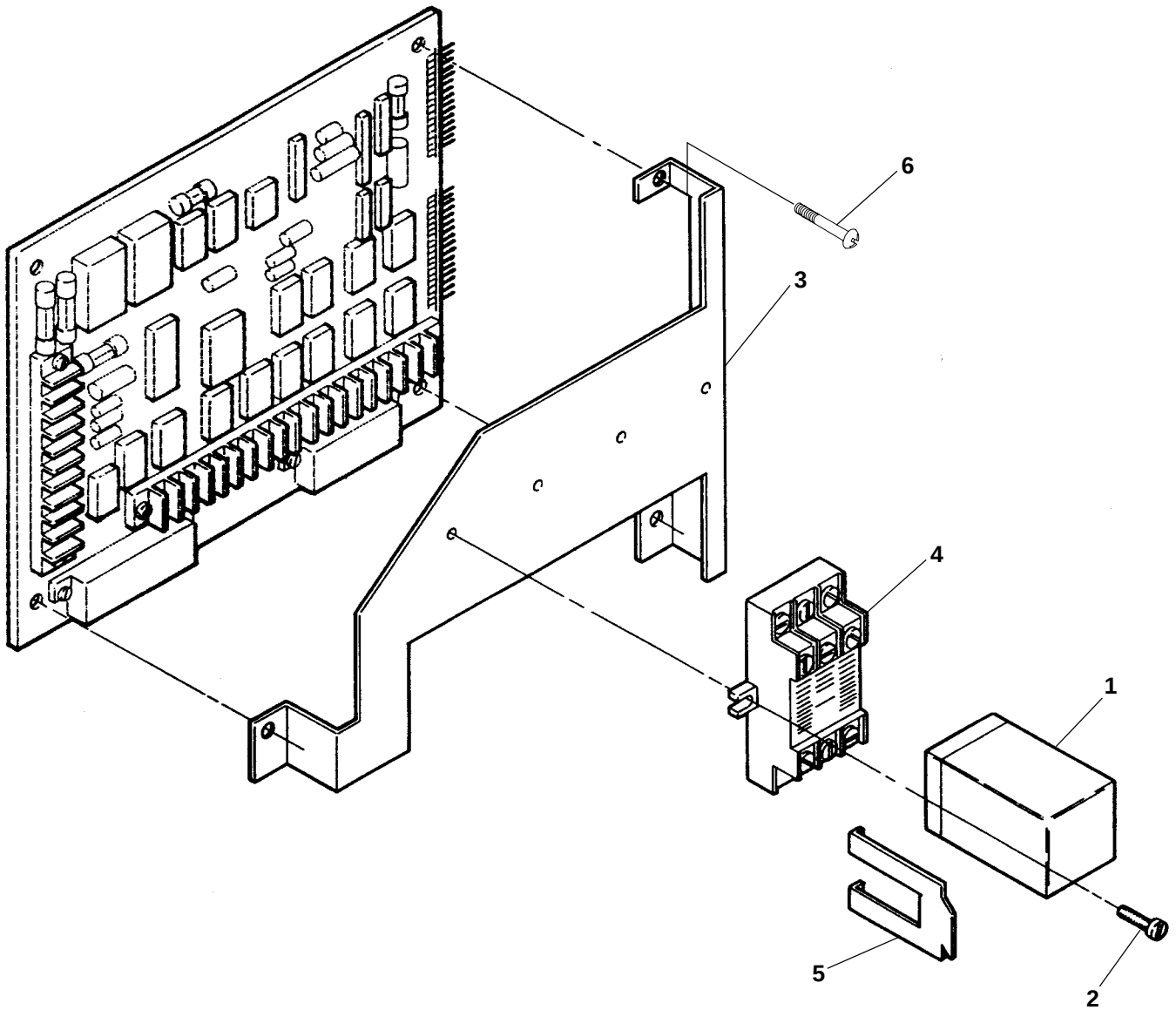
Voltage Regulator Generator Sets With Detector Control



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 (5K Ohms) (Used With Model MX321 Voltage Regulator) (R21)	8	332-1043	1	Jumper (Used On TB21)
				9	305-0868	1	*Board, Printed Circuit - Isolation Transformer (T30) Begin Spec C
2	305-0823	1	Board, Printed Circuit - Voltage Regulator (MX321) (VR21)	10	813-0108	4	*Screw, Machine - Round Head (#10-32 x 1-1/2") Begin Spec C
3	319-0652	1	Plate, Mounting				
4	815-0544	6	Screw, Machine - Round Head - Cross Recessed W/IT (#6-32 x 1/2")	11	526-0008	4	*Washer, Flat (#10) Begin Spec C
				12	850-0030	4	*Washer, Lock - Spring (#10) Begin Spec C
5	350-1222	1	Resistor (1.5K Ohms) (Used On TB21)				
6	517-0131	1	Plug, Hole (Fits 3/8" Hole)				
7			Screw, Machine - Round Head (#8-32 x 1")	* - Not Used On All Models			
	815-0540	4	Spec A,B - Cross Recessed W/IT				
	812-0084	4	Begin Spec C				

Run Relay Spec A

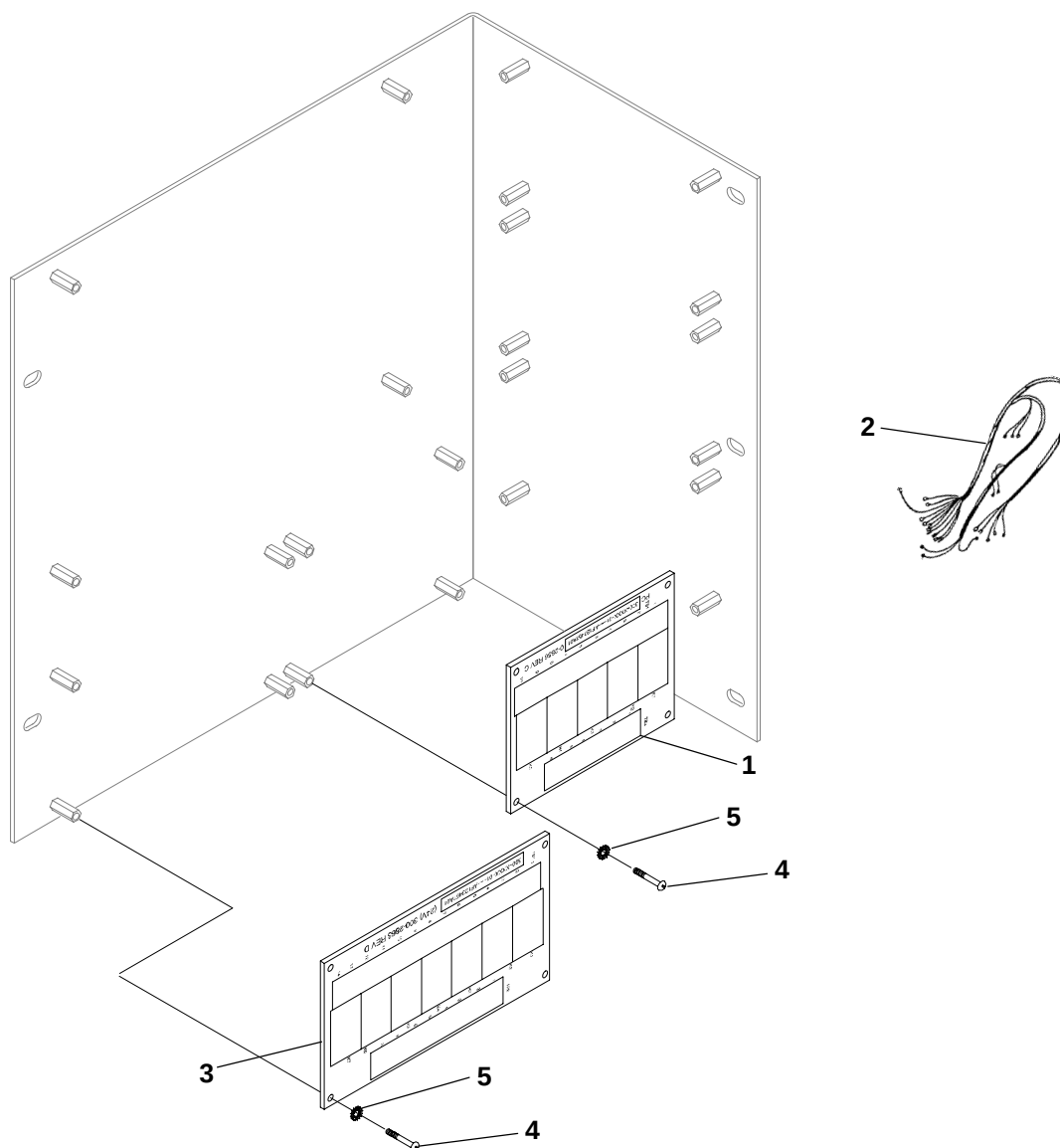


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	307-1056	1	*Relay, Run (K11)
2	815-0388	2	*Screw, Pan Head - Cross Recessed (#6-32 x 1/2 ⁹)
3	319-0447	1	Bracket, Mounting
4	323-0804	1	*Socket, Relay
5	307-1987	2	*Hold-Down, Relay

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
6	815-0544	4	Screw, Machine - Round Head - Cross Recessed W/IT (#6-32 x 1/2 ⁹)

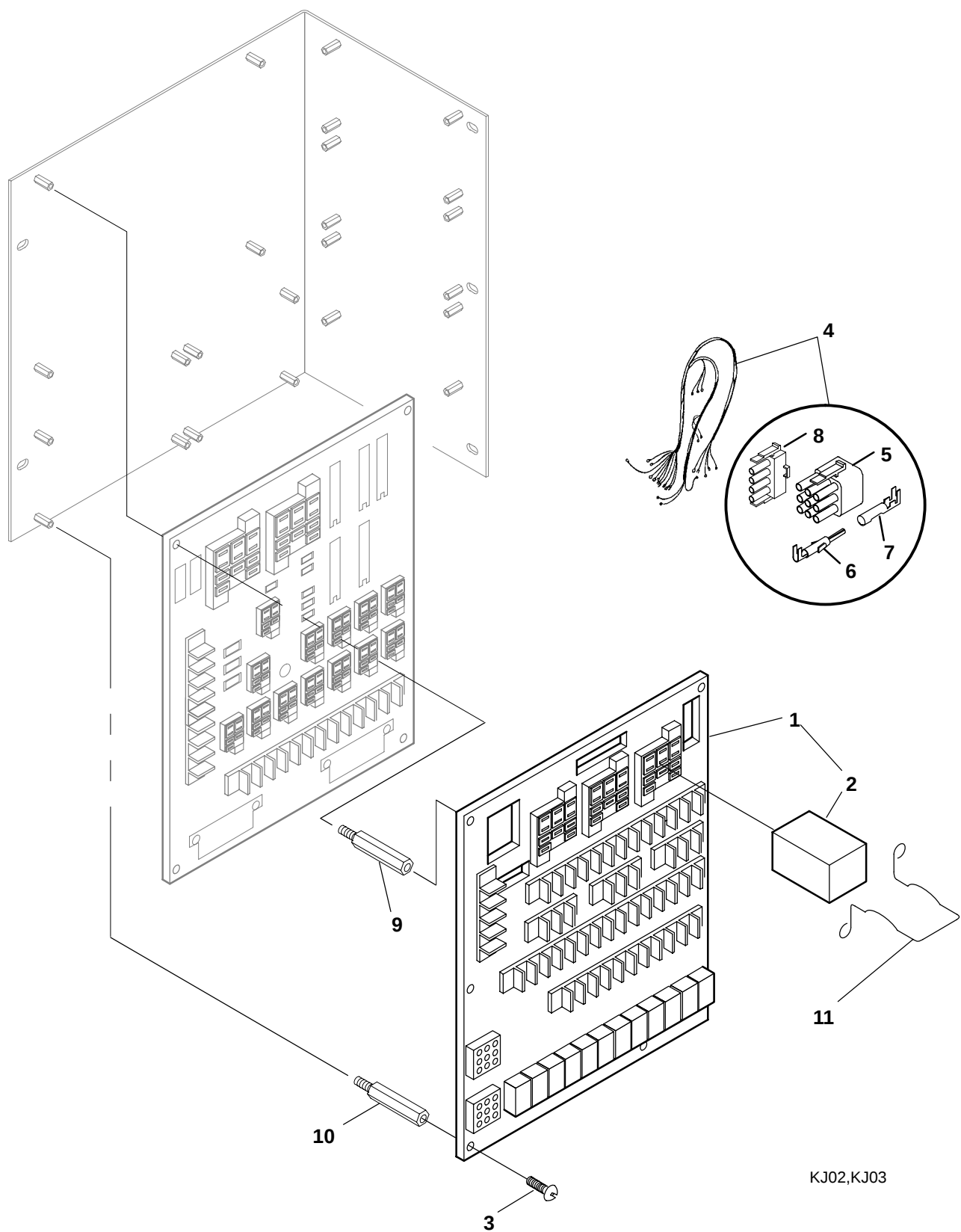
* - Quantities listed are for one mounted relay

Alarm Relay Board Spec A



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-2856	1	Board, Printed Circuit - Alarm Relay - 12 Light Control (A14)	4			Screw, Machine - Round Head (#6-32 x 1/2")
2	338-1835	1	Harness, Wiring A13 to A11TB1 and TB2 (8 Wire)	812-0063	4		Used With A13 Printed Circuit Board
	338-1836	1	A14 to A11TB2 (5 Wire)	812-0063	8		Used With A13 and A14 Printed Circuit Board
3	300-2863	1	Board, Printed Circuit - Alarm Relay - 7 and 12 Light Control (A13)	5	853-0003	8	Washer, Lock - W/ET (#6)

Alarm Relay Board Begin Spec B



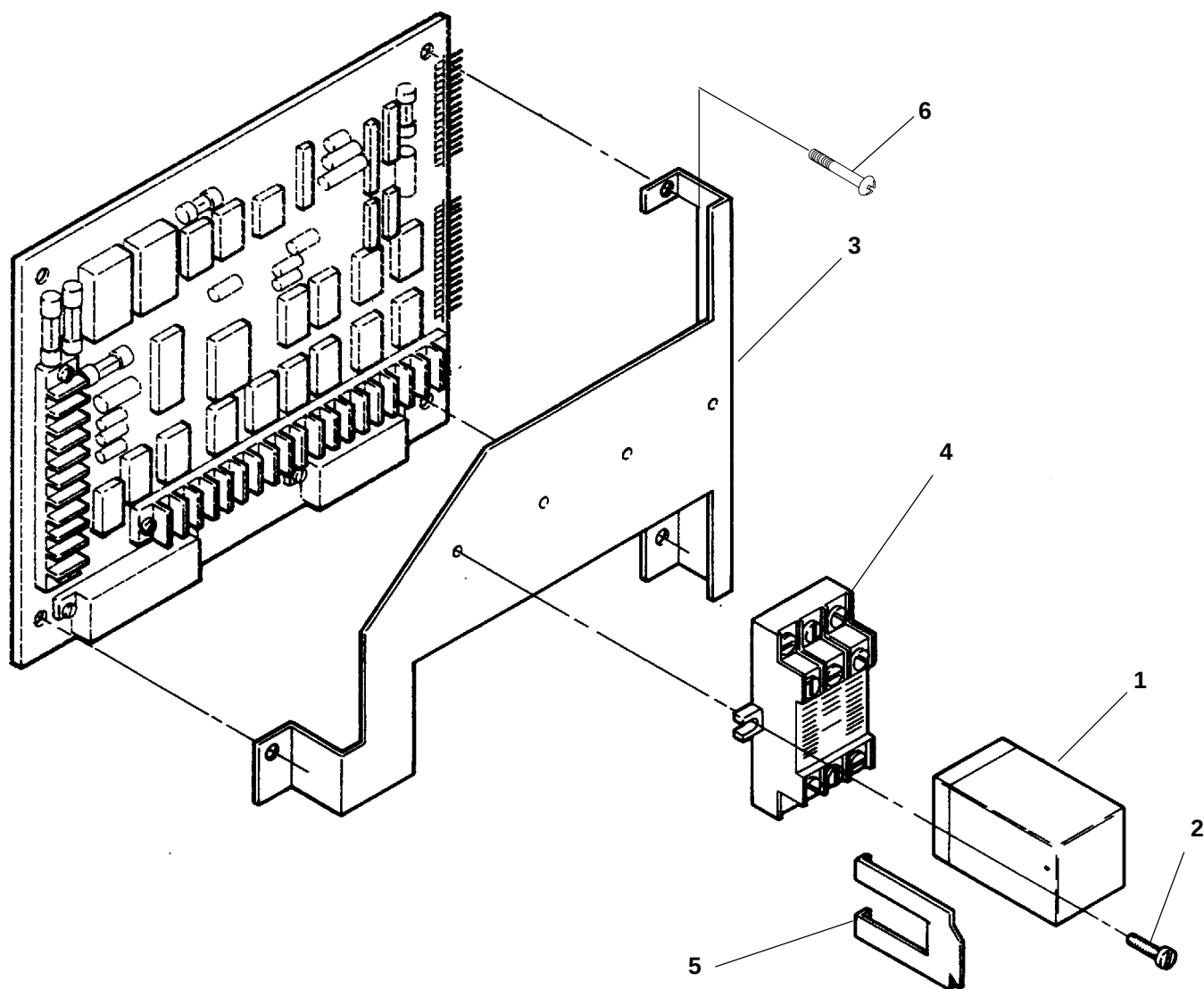
KJ02,KJ03

Alarm Relay Board Begin Spec B

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Board, Printed Circuit - Alarm	5	323-1291	2	*Plug - 9 Place (P1,P2)
	300-4111-02	1	Relay (Includes Relay)	6	323-1199	9	*Pin, Contact (Used In P1)
	300-4111-04	1	Without Form C Relays	7	323-1200	12	*Socket, Contact (Used In P2,P3)
2	307-1056	1	With Form C Relays	8	323-1292	1	*Plug - 4 Place (P3)
			Relay (Quantity Used As	9	870-0517-01	4	Standoff (Clear) (1-15/16")
			Required (K1,K2,K3)	10	870-0517-02	2	Standoff (Yellow) (2")
3	815-0544	6	Screw, Machine - Round	11	307-1157	1	Spring, Relay Hold-Down
			Head - Cross Recessed W/IT				(Quantity Used As Required)
			(#6-32 x 1/2")				
4	338-2875	1	Harness, Wiring (Includes Parts				
			Marked *) (A11TB1, TB2 To				
			P1,P2,P3)				

* - Parts Included in 338-2875 Wiring Harness

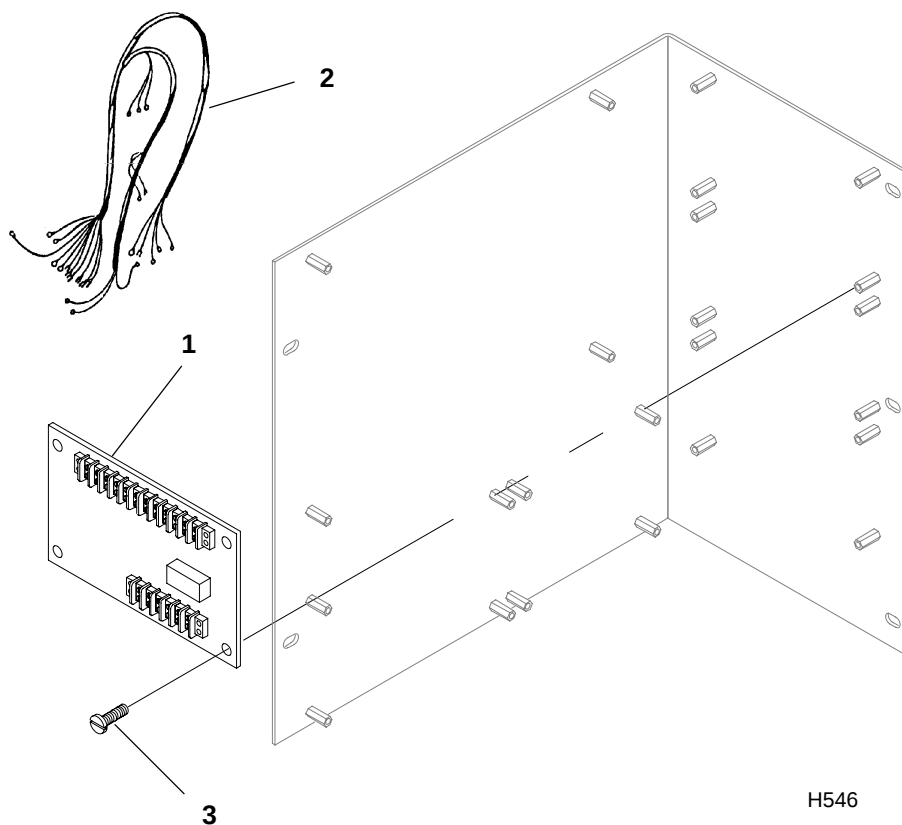
Common Alarm Relay Generator Sets With Detector Control Spec A and B



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	307-1056	1	Relay, Run (K11)
2	815-0388	2	Screw, Pan Head - Cross Recessed (#6-32 x 1/2")
3	319-0447	1	Bracket, Mounting - Relay
4	323-0804	1	Socket, Relay

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
5	307-1987	2	Hold-Down, Relay
6	815-0544	4	Screw, Machine - Round Head - Cross Recessed W/IT (#6-32 x 1/2")

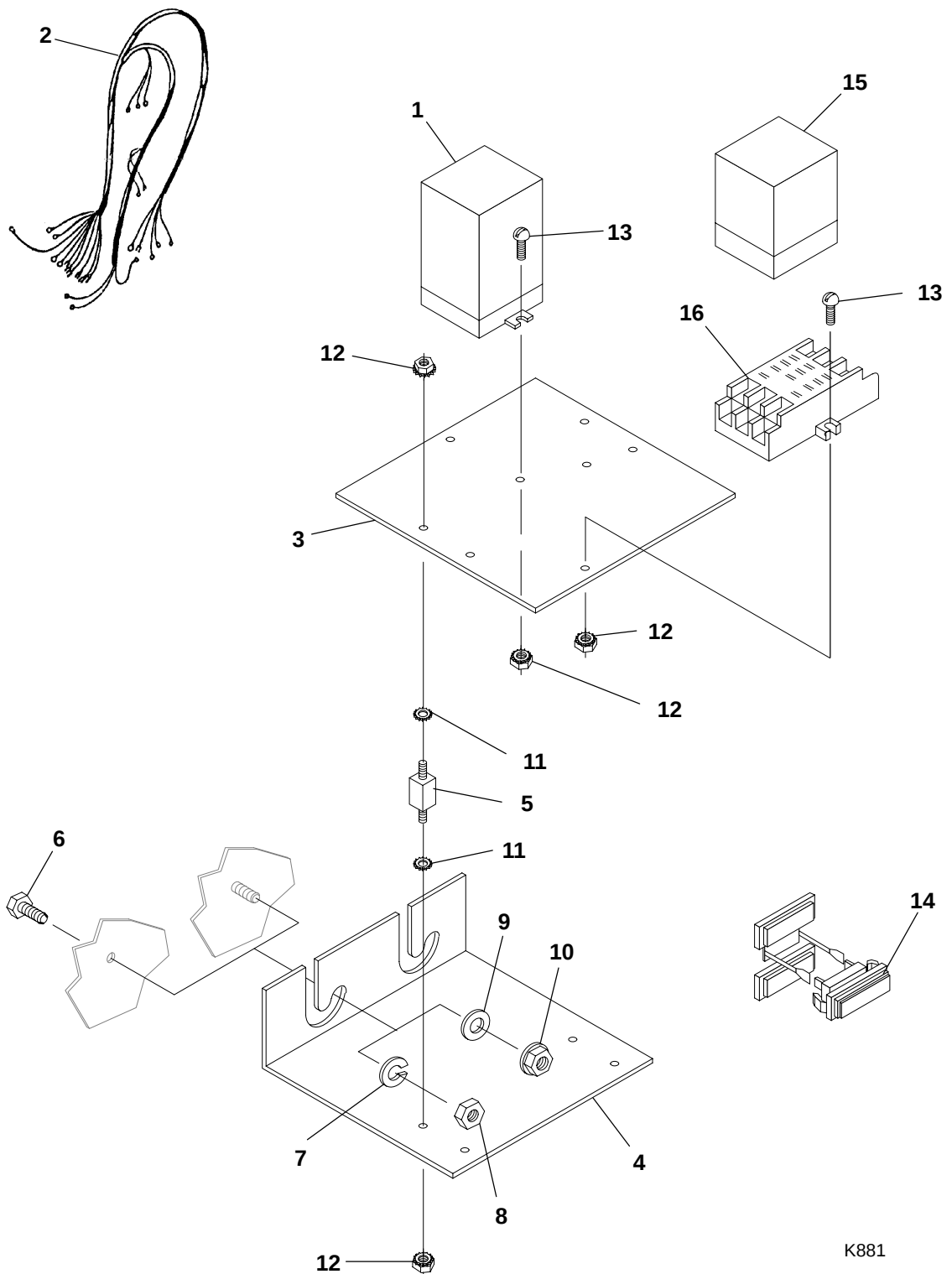
Common Alarm Board **Generator Sets With Detector Control** **Begin Spec C**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-4218-02	1	Board, Printed Circuit - Common Alarm (A27)
2	338-3033	1	Harness, Wiring (12 Wire) (A27 to A11)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
3	812-0063	4	Screw, Machine - Round Head (#6-32 x 1/2")

Over/Under Voltage Relay Spec A Through D

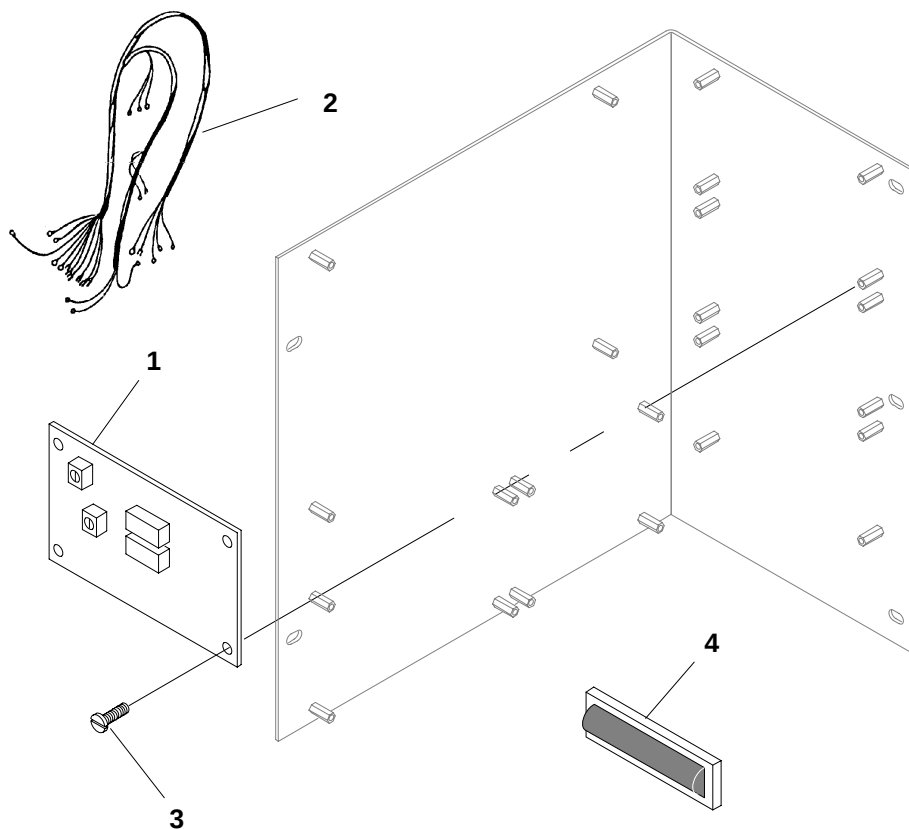


K881

Over/Under Voltage Relay Spec A Through D

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	307-2552	1	Relay, Voltage - Over/Under (A17)	12	870-0221	12	Nut, Hex - W/ET (#8-32)
2	338-2123	1	Harness, Wiring - Over/Under Voltage (TB21,A11,GND to A17,K17) (9 Wire, 61-1/2")	13	812-0081	4	Screw, Machine - Round Head (#8-32 x 5/8")
3	301-9933	1	Plate, Mounting	14	322-0384-09	1	Light, Indicator - Marked ^a O/U VOLT ^o (Not Used On All Models)
4	301-6987	1	Bracket, Mounting	15	307-1911	1	Relay, Time Delay (24 VDC) (K17)
5	402-0354	4	Mount, Shock	16	323-0804	1	Socket, Relay
6	821-0017	2	*Screw, Self-Locking - Hex Washer Head (5/16-18 x 1/2") Spec A,B	* - Mounting hardware used on early hole mounting application of reference number 4 mounting bracket (Used approximately during Spec A and B) # - Current mounting hardware used for stud mounting application of reference number 4 mounting bracket (Used approximately during Spec C and D)			
7	850-0045	2	*Washer, Lock - Spring (5/16") Spec A,B				
8	862-0014	2	*Nut, Hex (5/16-18) Spec A,B				
9	526-0115	2	#Washer, Flat (5/16") Spec C,D				
10	870-0048	2	#Nut, Hex - Self-Locking (5/16-18) Spec C,D				
11	853-0005	8	Washer, Lock - W/ET (#8)				

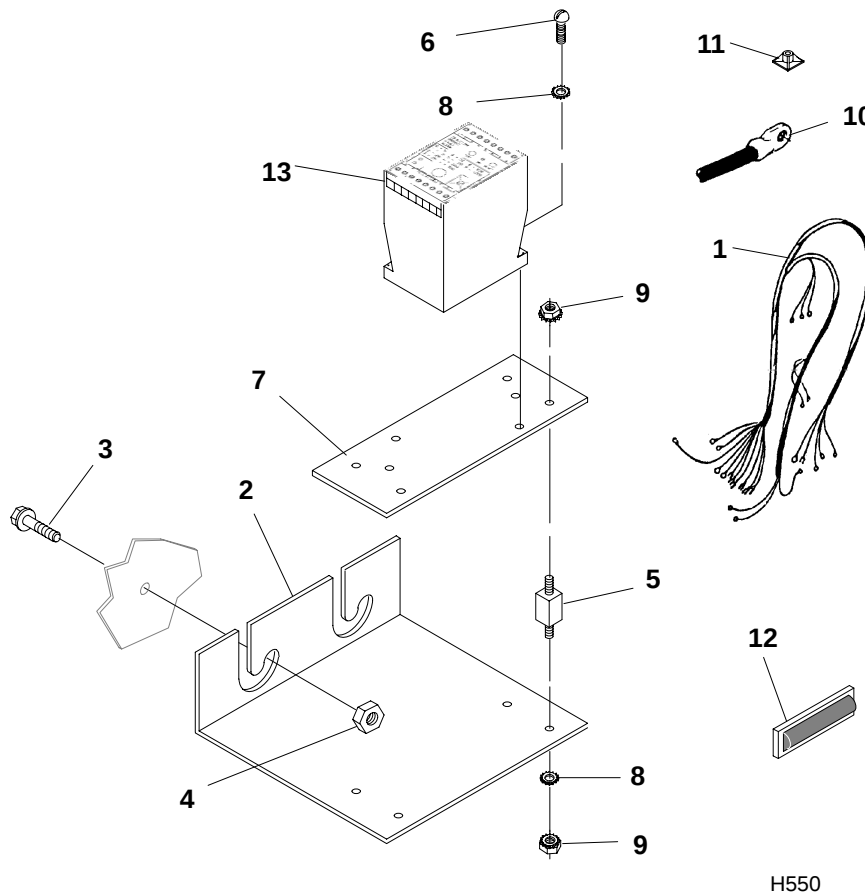
Over/Under Voltage Relay Begin Spec E



K881

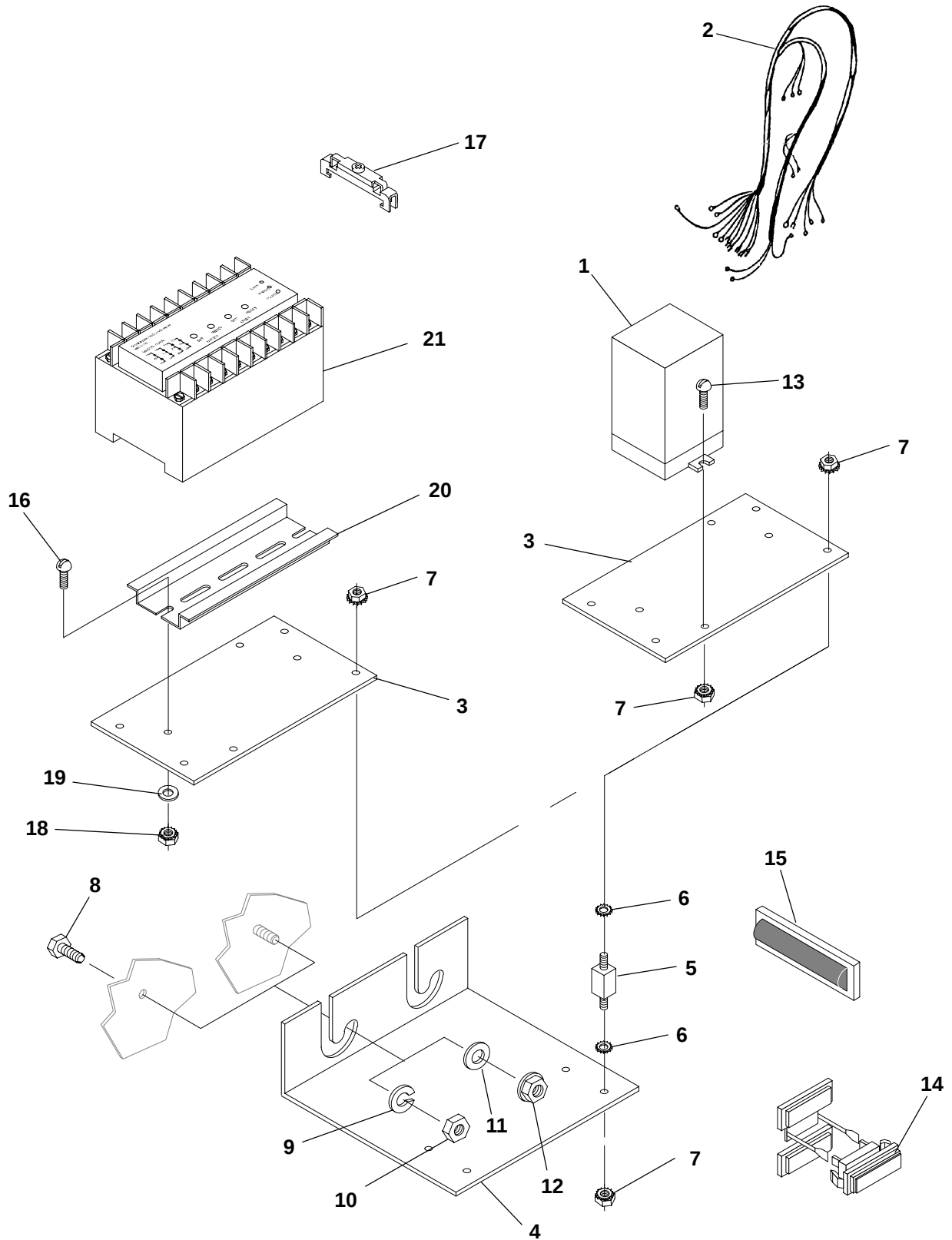
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	307-2868	1	Board, Printed Circuit - Over/Under Voltage Relay (A17)	3	815-0388	4	Screw, Pan Head - Cross Recessed (#6-32 x 1/2")
2	338-3366	1	Harness, Wiring (6 Wire) (30")	4	322-0431-03	1	Lens, Indicator Light (Marked "O/U VOLT")

Ground Fault Relay Begin Spec E



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Harness, Wiring Generator Sets With Detector Control (GFA to A11, GND, NEUTRAL, CONT GND)	4	870-0257	2	Nut, Hex - Self-Locking (5/16-18)
	338-3234	1	Model HC5 Generators (7 Wire, 78°)	5	402-0354	4	Mount, Shock
	338-3235	1	Model HC6, HC7 Generators (7 Wire, 92°)	6	812-0081	2	Screw, Machine - Round Head (#8-32 x 5/8°)
			Generator Sets With PowerCommand Control (GFA to TB1, GEN NEUTRAL, GND)	7	319-0030	1	Plate, Mounting
	338-3232	1	Model HC5 Generators (7 Wire, 102°)	8	853-0005	8	Washer, Lock - ET (#8)
	338-3233	1	Model HC6, HC7 Generators (7 Wire, 119°)	9	870-0221	10	Nut, Hex - W/ET (#8-32)
2	301-6987	1	Bracket, Mounting	10	226-4406-06	2	Cable, Generator (Generator Neutral to Generator Grounding Bolt) (24°)
3	821-0017	2	Screw, Self-Locking - Hex Washer Head (5/16-18 x 1/2°)	11	332-2420	2	Mount, Cable Tie
				12	322-0431-09	1	Lens, Indicator Light (Amber Color, Marked "GROUND FAULT") Generator Sets With Detector Control
				13	307-2843	1	Relay (GFA)

Over/Under Frequency Relay



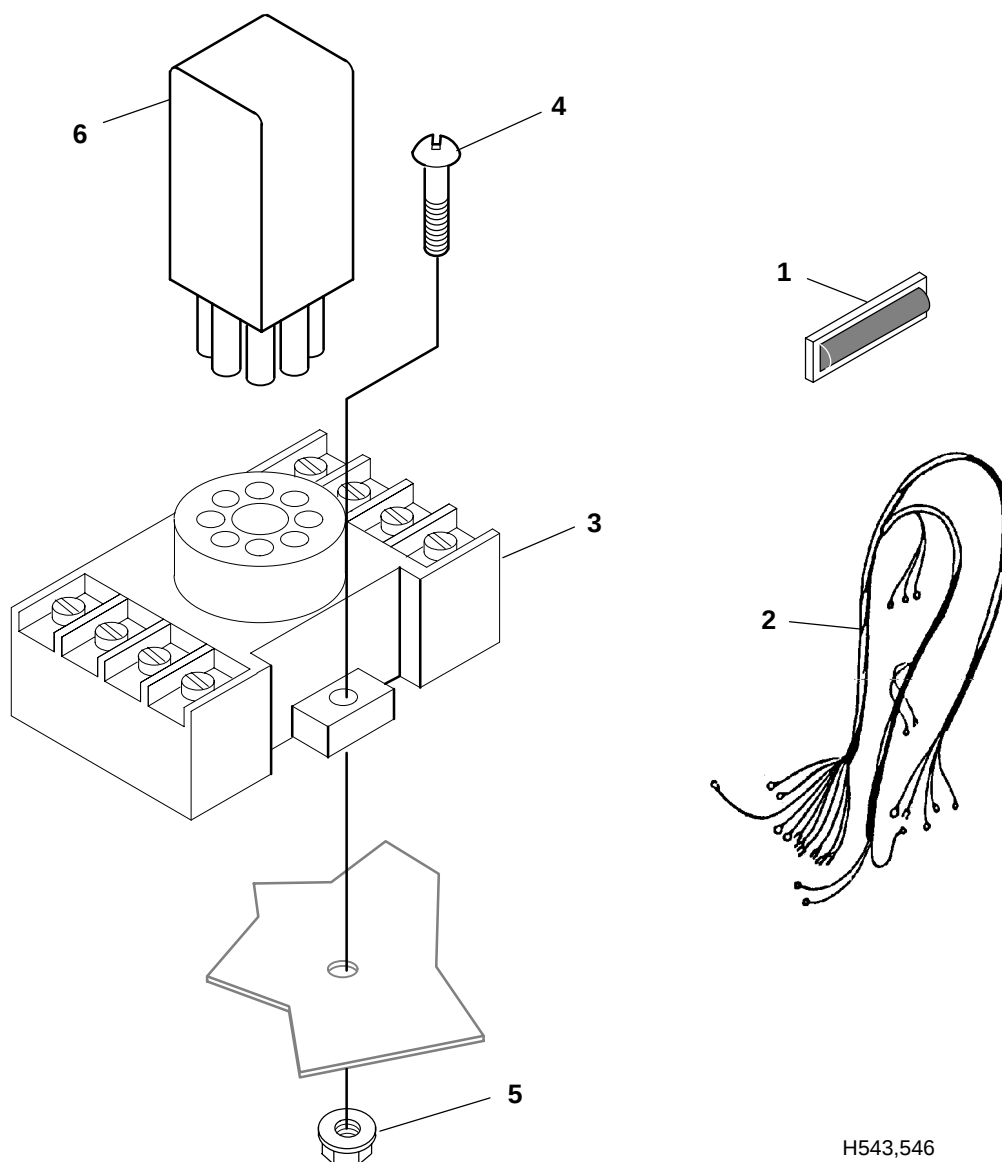
K906

Over/Under Frequency Relay

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Relay, Frequency - Over/Under - Spec A Through Early Portion Of Spec G (A18)	15	322-0431-04	1	Lens, Replacement - Marked ^a O/U HZ ^o (DS20) Begin Spec C
	307-2553	1	50 Hertz Sets	16	813-0100	2	Screw, Machine - Round Head (#10-32 x 1/2 ^o) Use Began During Later Portion Of Spec G
	307-2709	1	60 Hertz Sets				
2			Harness, Wiring - Over/Under Frequency (6 Wire, 62 ^o) (TB21,A11,GND to A19)	17	323-1411-01	2	Clip, Mounting - Use Began During Later Portion Of Spec G
	338-2124	1	Spec A and B				
	338-2347	1	Begin Spec C	18	870-0131	2	Nut, Hex - W/ET (#10-32) Use Began During Later Portion Of Spec G
3	301-9941	1	Plate, Relay Mounting				
4	301-6987	1	Bracket, Mounting	19	526-0008	2	Washer, Flat (#10) Use Began During Later Portion Of Spec G
5	402-0354	4	Mount, Shock				
6	853-0005	8	Washer, Lock - ET (#8)	20	332-2879-07	1	Rail, Mounting - Use Began During Later Portion Of Spec G
7			Nut, Hex - W/ET (#8-32)				
	870-0221	10	Spec A Through Early Portion Of Spec G	21			Relay, Frequency - Over/Under - Use Began During Later Portion Of Spec G (A18)
	870-0221	8	Use Began During Later Portion Of Spec G				
8	821-0017	2	*Screw, Self-Locking - Hex Washer Head (5/16-18 x 1/2 ^o) Spec A,B		307-2920	1	50 Hertz Sets
9	850-0045	2	*Washer, Lock - Spring (5/16 ^o) Spec A,B		307-2919	1	60 Hertz Sets
10	862-0014	2	*Nut, Hex (5/16-18) Spec A,B				
11	526-0115	2	#Washer, Flat (5/16 ^o) Begin Spec C				
12	870-0048	2	#Nut, Hex - Self-Locking (5/16-18) Begin Spec C				
13	812-0081	2	Screw, Machine - Round Head (#8-32 x 5/8 ^o) Spec A Through Early Portion Of Spec G				
14	322-0384-10	1	Light, Indicator - Marked ^a O/U FREQ ^o - Spec A,B				

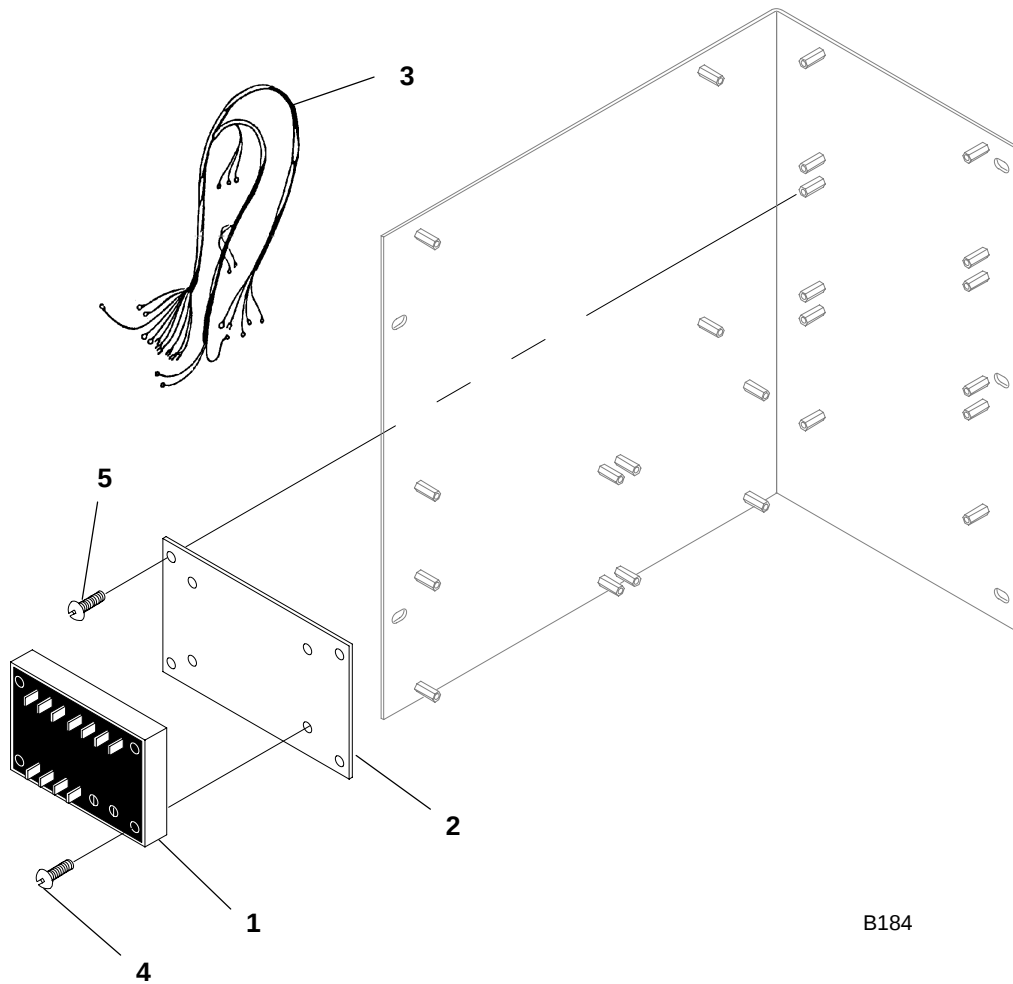
* - Mounting hardware used on early hole mounting application of reference number 4 mounting bracket (Used approximately during Spec A and B)
- Current mounting hardware used for stud mounting application of reference number 4 mounting bracket (Use began approximately during Spec C)

Low Battery Voltage Begin Spec C



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	322-0431-08	1	Lens, Indicator Light (Marked "Lo Battery")	5	870-1221	2	*Nut, Hex - W/ET (#8-32)
2	338-3034	1	*Harness, Wiring (4 Wire, 36°) (K15 to A11)	6	305-0901	1	*Sensor - Low Battery Voltage (K15)
3	323-1410-03	1	*Base, Relay	* - Not Used on All Models			
4	812-0084	2	*Screw, Machine - Round Head (#8-32 x 1")				

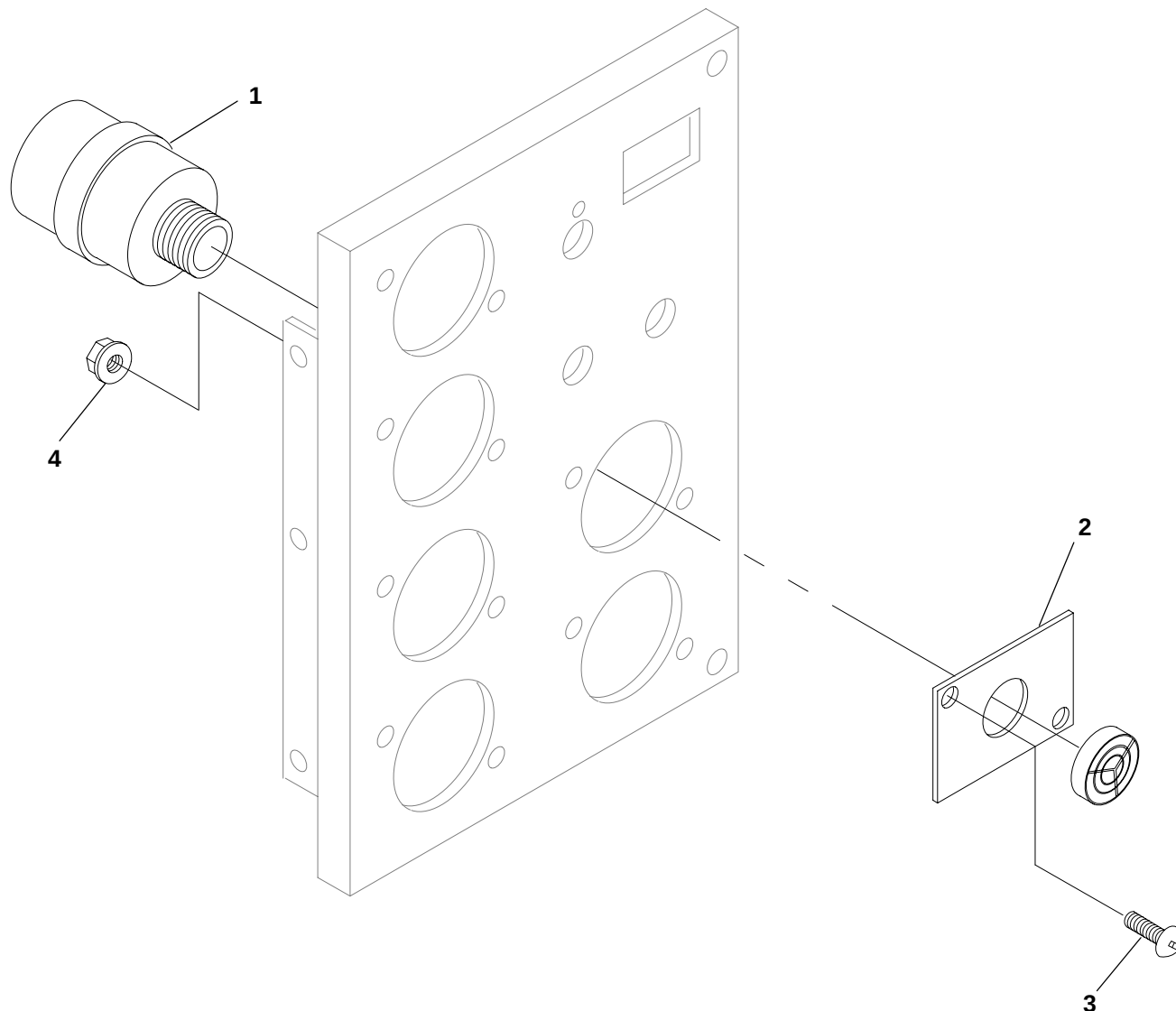
Electronic Overspeed



B184

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Board, Printed Circuit - Electronic Overspeed (A16)	5			Screw (#6-32 x 1/2")
	305-0818-02	1	Spec A,B	815-0544	4		Spec A,B - Machine - Round Head - Cross Recessed W/IT
	305-0902-02	1	Begin Spec C	815-0388	4		Begin Spec C - Pan Head - Cross Recessed - Thread Forming
2	319-0754	1	Plate, Mounting				
3			Harness, Wiring (A16 to A11, AUX) (6 Wire)				
	338-2447	1	200-500 kW Sets (66-1/2")				
	338-2529	1	501-1200 kW Sets (74")				
4			Screw, Machine - Round Head				
	812-0084	4	Spec A,B (#8-32 x 1")				
	812-0082	4	Begin Spec C (#8-32 x 3/4")				

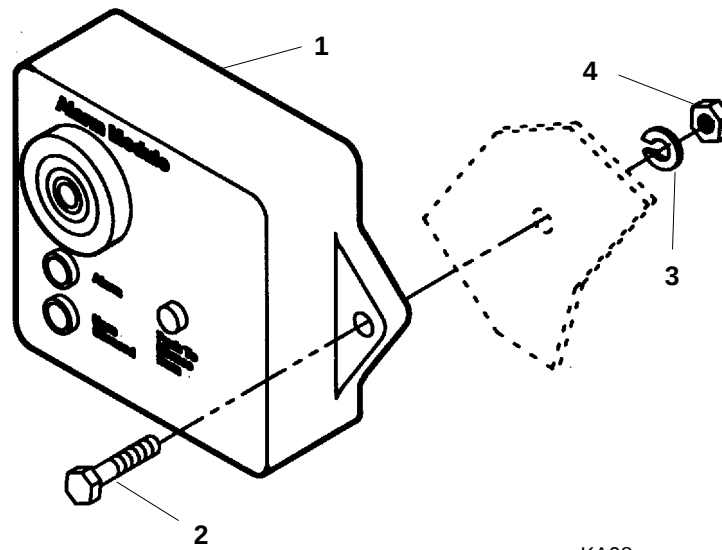
**Audible Alarm
Generator Sets With Detector Control
Begin Spec C**



KA08

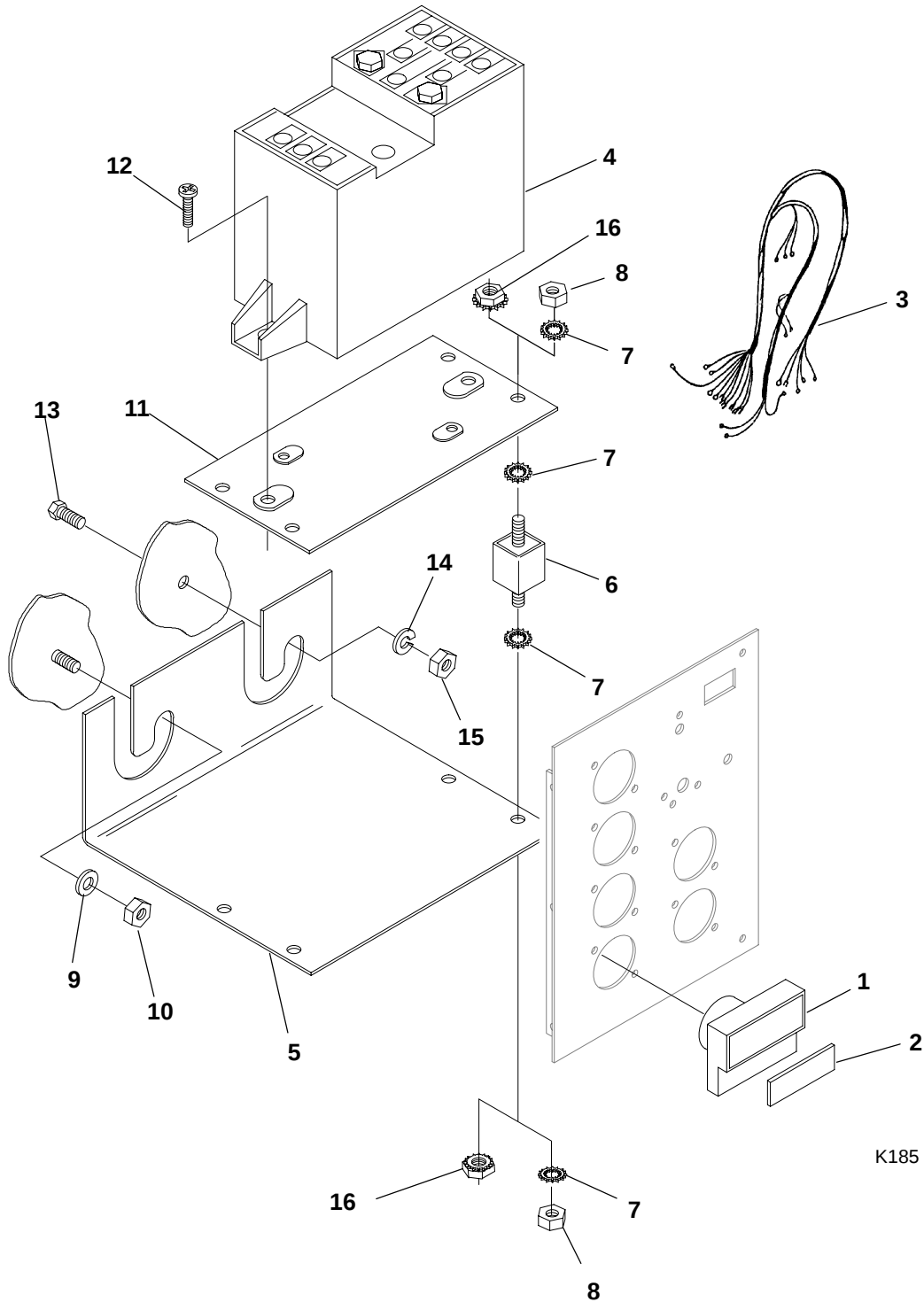
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	333-0133	1	Alarm, Audible (DS2)	4	870-0183	2	Nut, Hex - W/ET (#6-32)
2	319-0898	1	Plate, Mounting				
3	815-0385	2	Screw, Machine - Round Head (#6-32 x 1/2")				

Audible Alarm Module Begin Spec D



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-3998-01	1	Module, Audible Alarm (DS2)	3	850-0040	2	Washer, Lock - Spring (1/4 ⁹)
2	800-0006	2	Screw, Cap - Hex Head (1/4-20 x 7/8 ⁹)	4	862-0001	2	Nut, Hex (1/4 ⁹)

Wattmeter

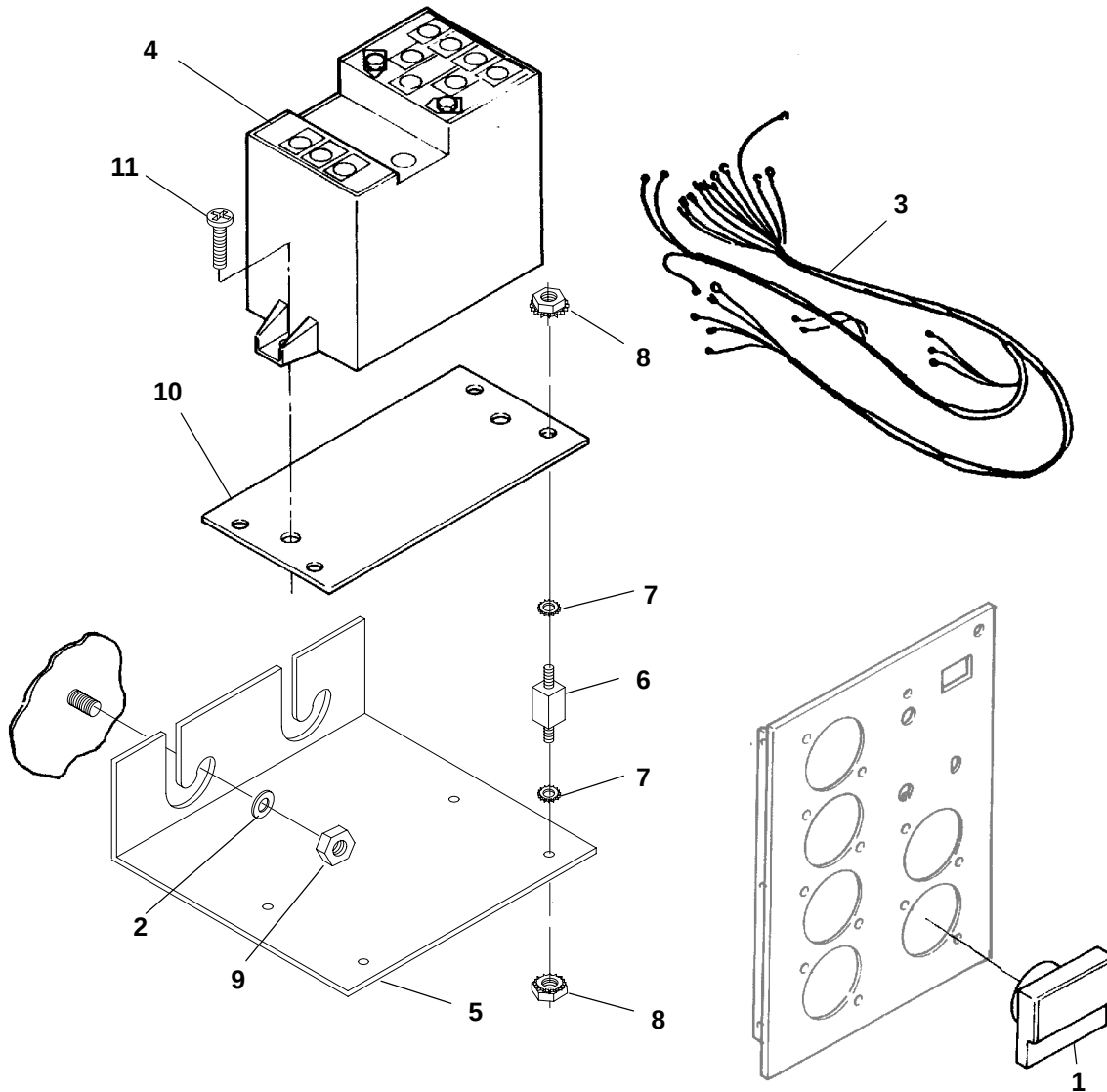


K185

Wattmeter

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	302-1722	1	Wattmeter (Dial Not Included) (M24)	9	526-0115	2	*Washer, Flat (5/16 ⁹)
2			Dial, Wattmeter	10	870-0048	2	*Nut, Locking (5/16-18)
	302-1721-14	1	0-600 kW Rating	11	319-0030	1	Plate, Mounting
	302-1721-15	1	0-700 kW Rating	12	815-0905-06	2	Screw, Machine - Pan Head - Cross Recessed (#10-32 x 5/8 ⁹)
3			Harness, Wiring - Wattmeter	13	821-0017	2	#Screw, Locking - Hex Washer Head (5/16-18 x 1/2 ⁹)
	338-1936	1	Reconnectable WYE, Three Phase	14	850-0045	2	#Washer, Lock - Spring (5/16 ⁹)
	338-2479	1	120/240 Volt Delta, Three Phase	15	862-0014	2	#Nut, Hex (5/16-18)
4			Transducer, Watts (A21)	16	870-0221	8	Nut, Hex - W/ET (#8-32) Begin Spec G
	302-1833-01	1	2-1/2 Element, Three Phase, 4 Wire				
	302-1833-05	1	2 Element, Three Phase, 3 Wire				
5	301-6987	1	Bracket, Mounting				* - Current mounting hardware used for stud mounting application of reference number 5 mounting bracket (Used approximately beginning with Spec C)
6	402-0354	4	Mount, Shock				# - Mounting hardware used on early hole mounting application of reference number 5 mounting bracket (Used approximately during Spec A and B)
7			Washer, Lock - W/ET				
	856-0002	16	Spec A Through F (#8)				
	853-0008	8	Begin Spec G (#10)				
8	860-0008	8	Nut, Hex (#8-32) Spec A Through F				

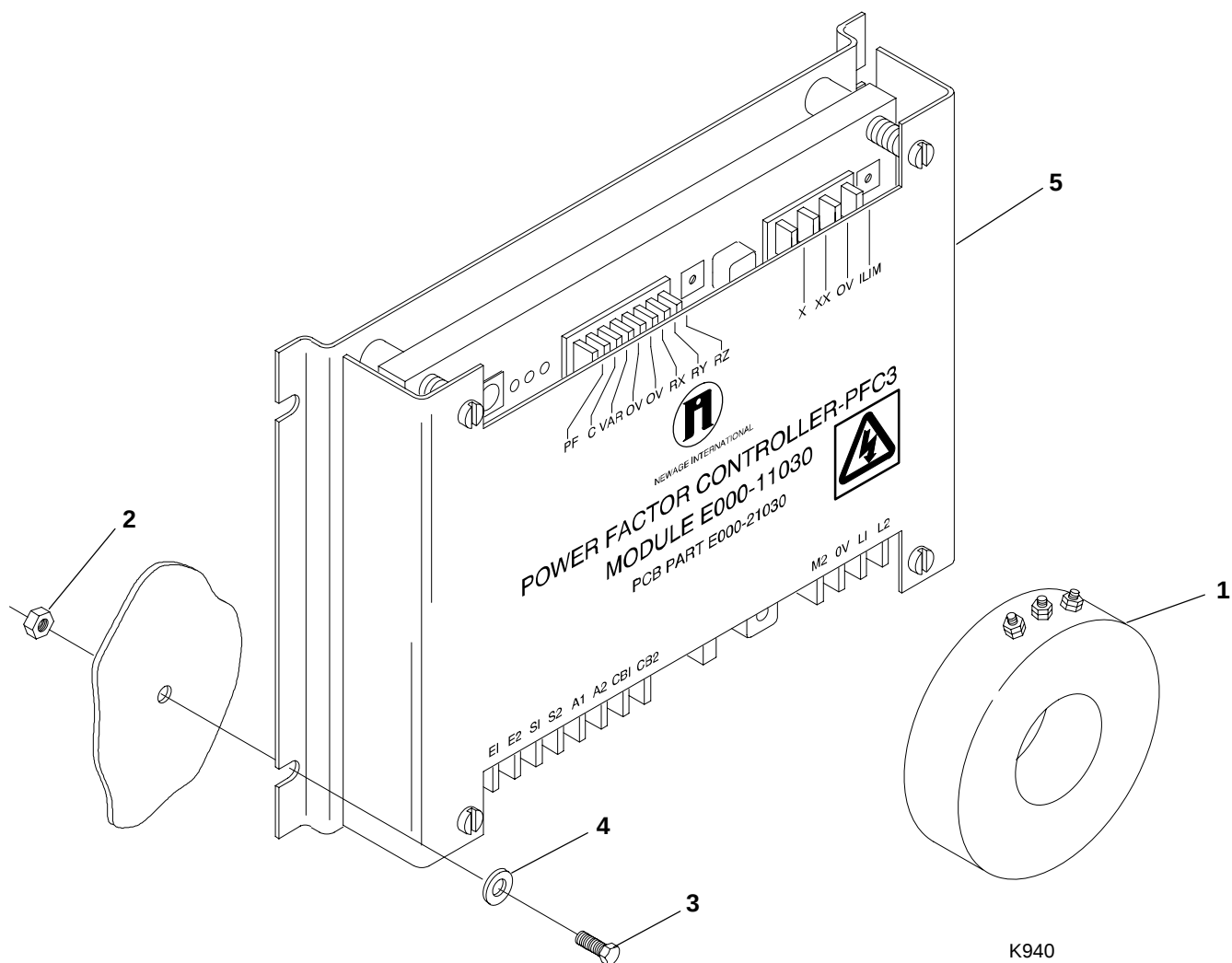
Power Factor Meter Begin Spec C



K264

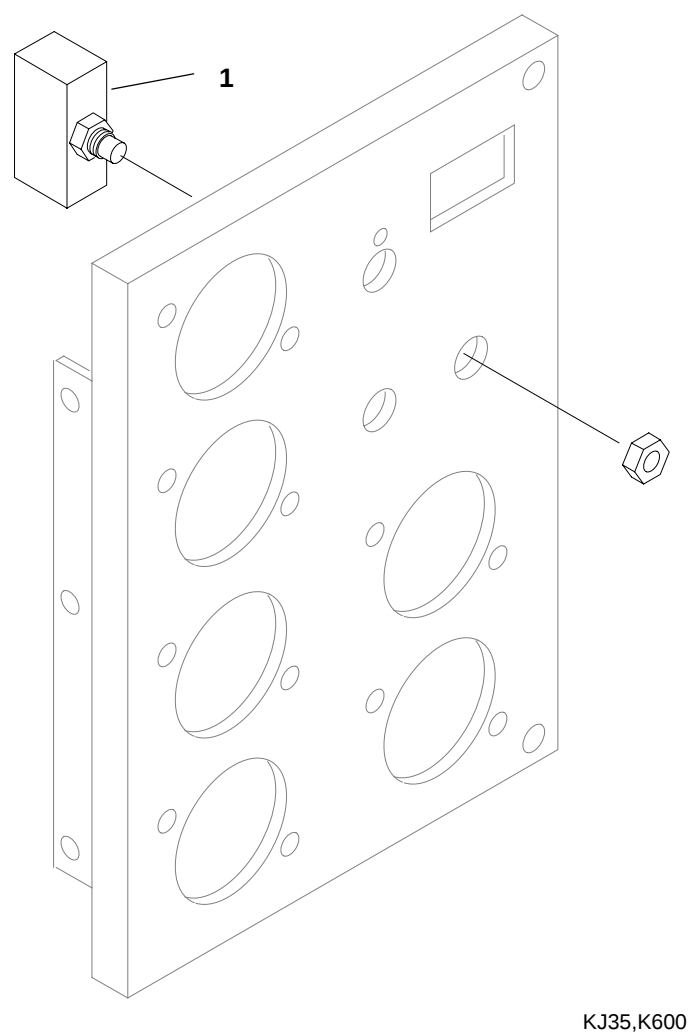
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	302-1883	1	Meter, Power Factor (M25)	7	853-0008	8	Washer, Lock - ET (#10)
2	526-0115	2	Washer, Flat (5/16")	8	870-0221	8	Nut, Hex - W/ET (#8-32)
3	338-2368	1	Harness, Wiring - Meter (6 Wire, 44") (M25,TB21,GND to A22)	9	870-0048	2	Nut, Locking (5/16-18)
4	302-1833-03	1	Transducer, Watts (A21)	10	319-0030	1	Plate, Mounting
5	301-6987	1	Bracket, Mounting	11	815-0905-06	2	Screw, Machine - Pan Head - Cross Recessed (#10-32 x 5/8")
6	402-0354	4	Mount, Shock				

VAR Power Factor Controller



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Transformer, Current (CT25)	2	870-0131	4	Nut, Hex - W/EIT (#10-32)
	302-1845-02	1	Ratio 100/5	3	813-0103	4	Screw, Machine - Round Head (#10-32 x 3/4")
	302-1845-03	1	Ratio 150/5				
	302-1845-08	1	Ratio 750/5	4	526-0008	4	Washer, Flat (#10)
	302-1845-10	1	Ratio 1000/5	5			Controller, Power Factor (VAR)
	302-1794-11	1	Ratio 1500/5		305-0836	1	Spec A,B
	302-1794-13	1	Ratio 3000/5		305-0870	1	Begin Spec C

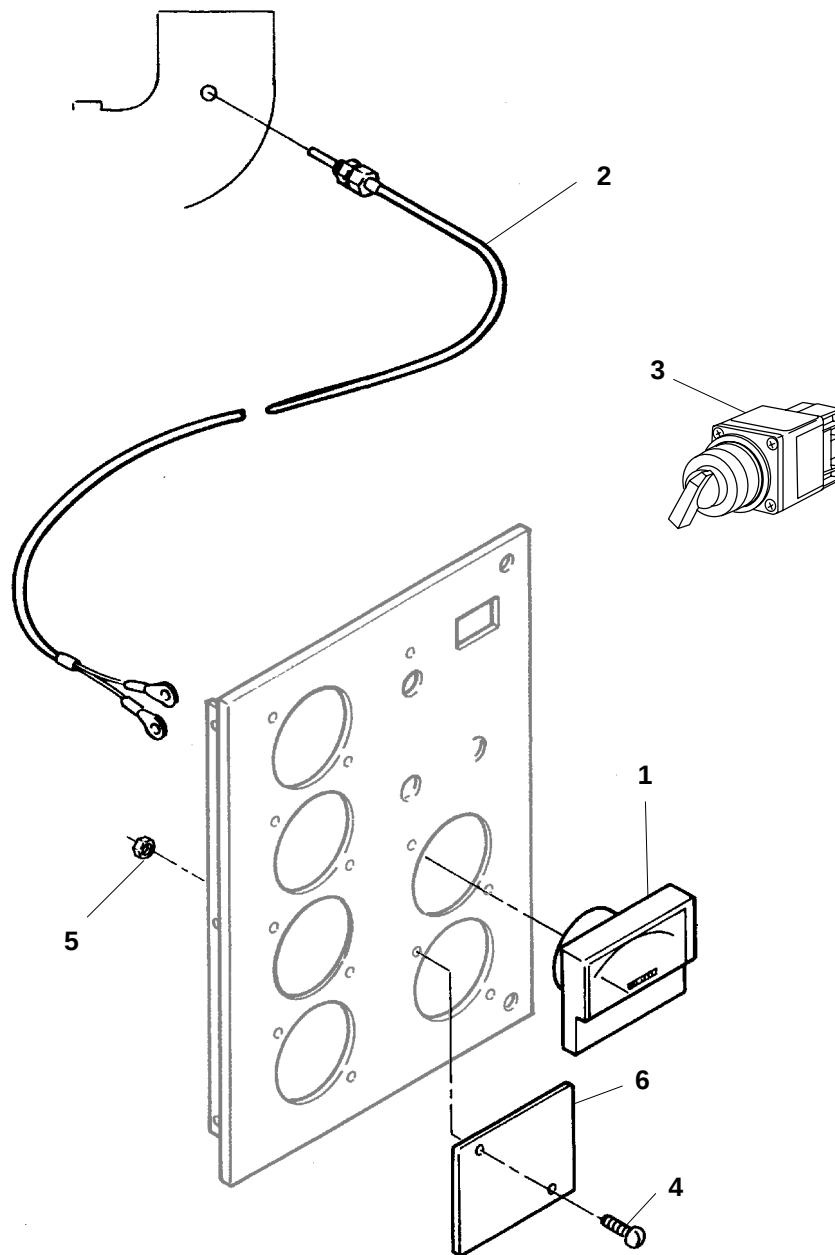
Circuit Breaker AC Control Door



KJ35,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

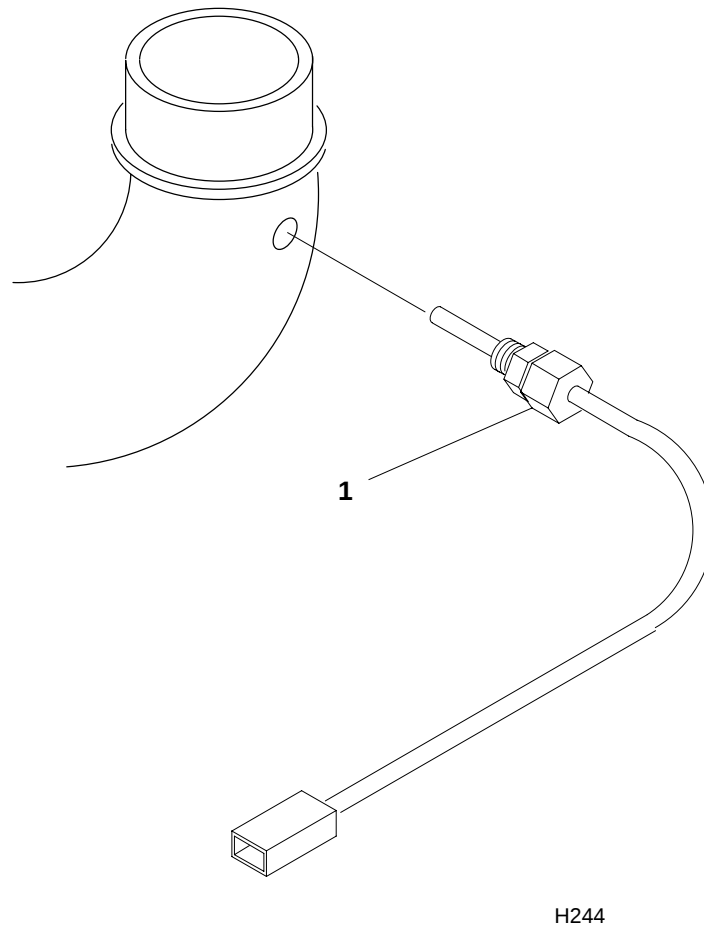


H244

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	302-1874	1	Pyrometer	5	870-0183	2	*Nut, Hex - W/ET (#6-32) Spec A,B
	302-1874	1	* Spec A,B (M25, M26)	6	301-9993	1	*Plate, Cover - Spec A,B
2	193-0299	2	# Begin Spec C (M26)				
3	308-0987	1	Lead, Thermocouple				
			#Switch, Selector (Left/Right Exhaust) Begin Spec C				
4	815-0385	2	*Screw, Machine - Round Head (#6-32 x 1/2") Spec A,B				

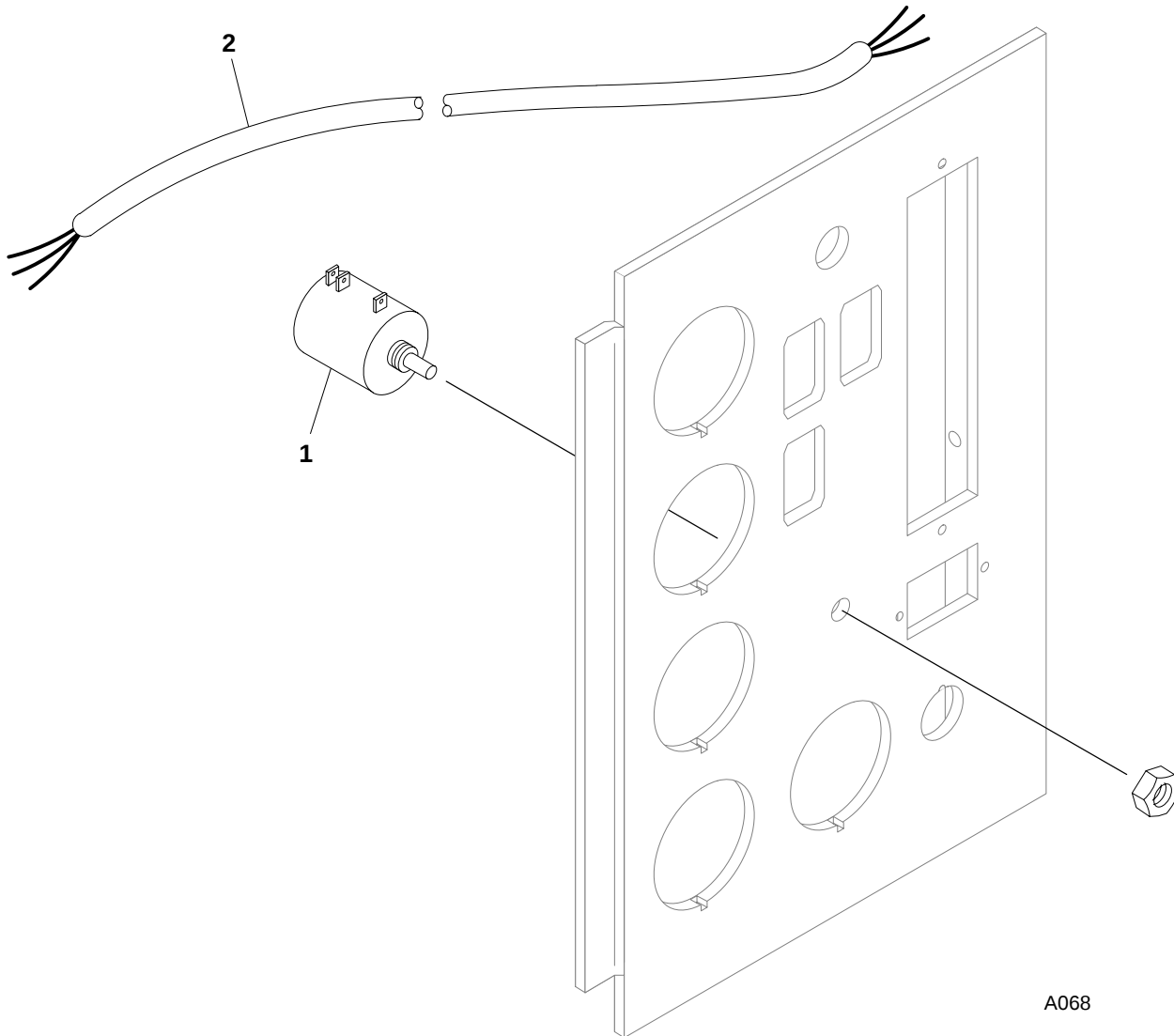
* - Used approximately during Spec A and B
- Use began approximately with Spec C

Pyrometer
Generator Sets With PowerCommand Control
Begin Spec D



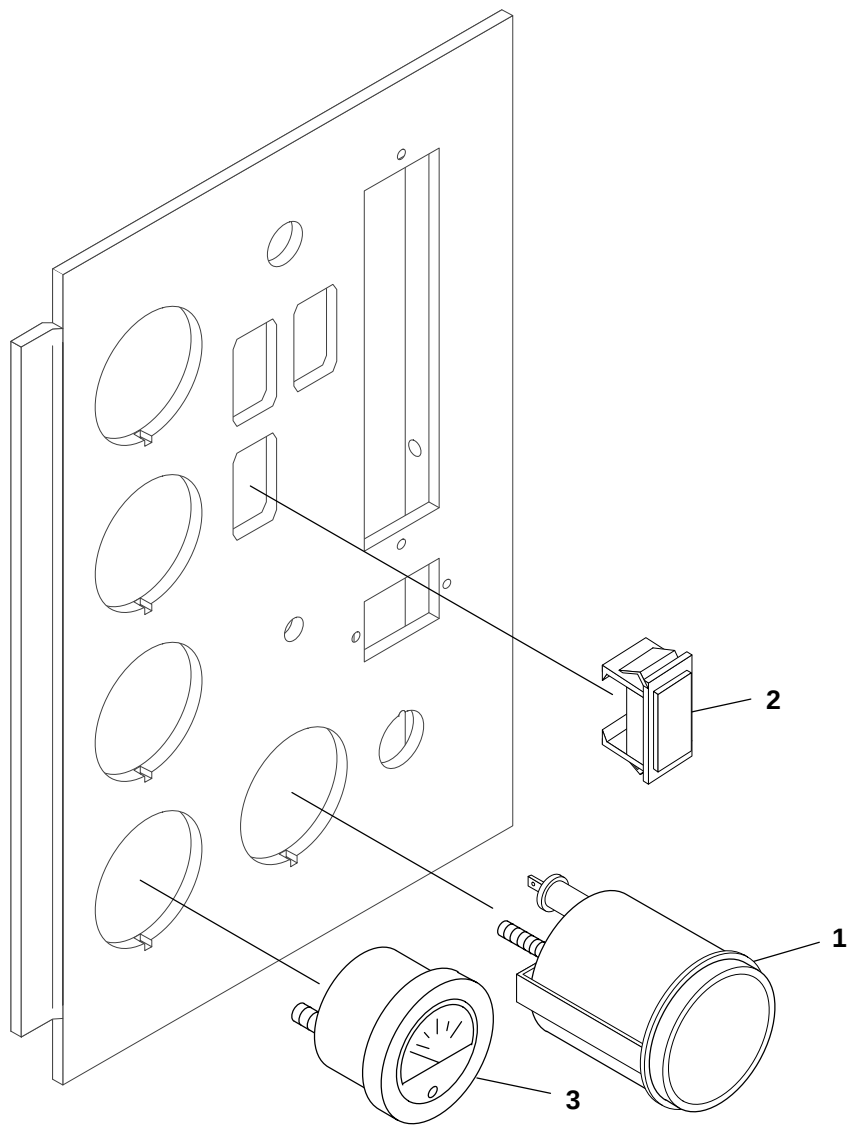
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	193-0446	2	Lead, Thermocouple (22-1/2") (M26)				

Potentiometer Speed Adjusting



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Potentiometer, Speed Adjusting - Governor Controller (R21)	2	334-0116	-	Cable, Shielded - Bulk (Order by the Foot - 7 Feet Required)
	151-0402	1	Spec A,B				
	303-0223-05	1	Begin Spec C				
	303-0280	1	100 Ohms				
			5K Ohms				

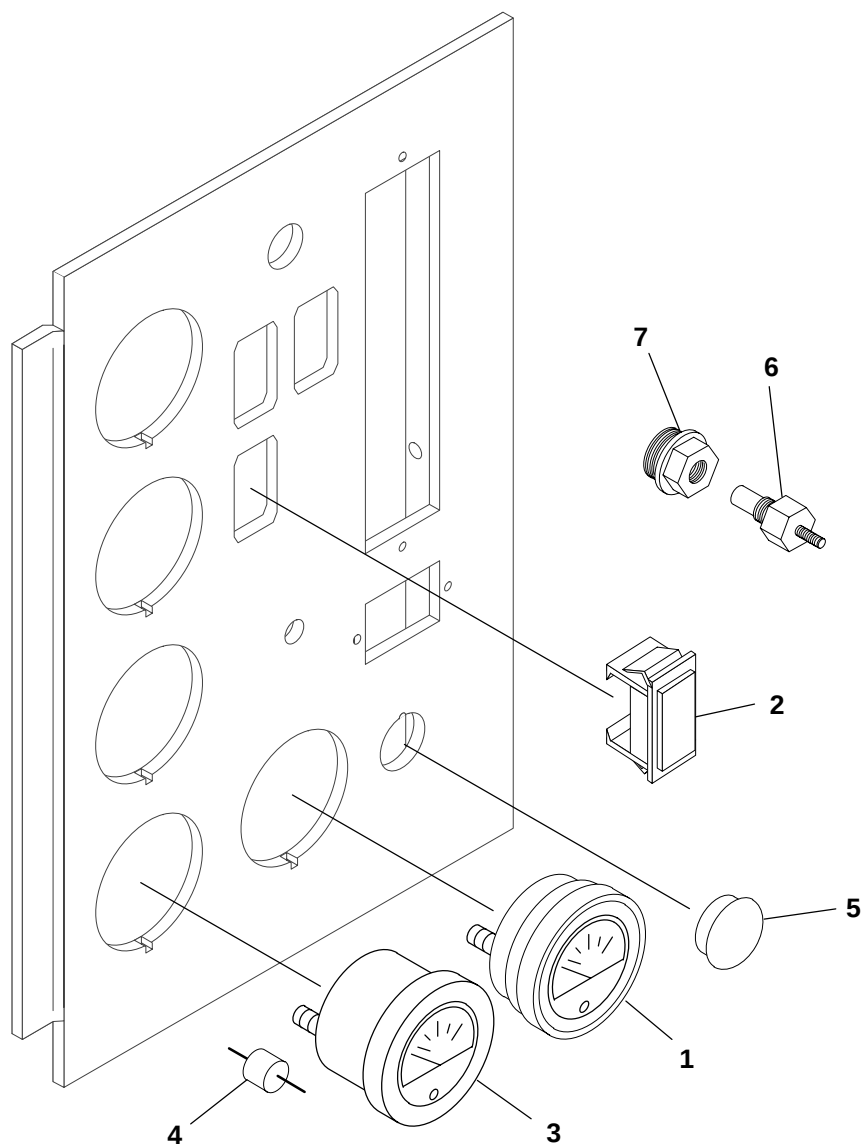
Tachometer



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

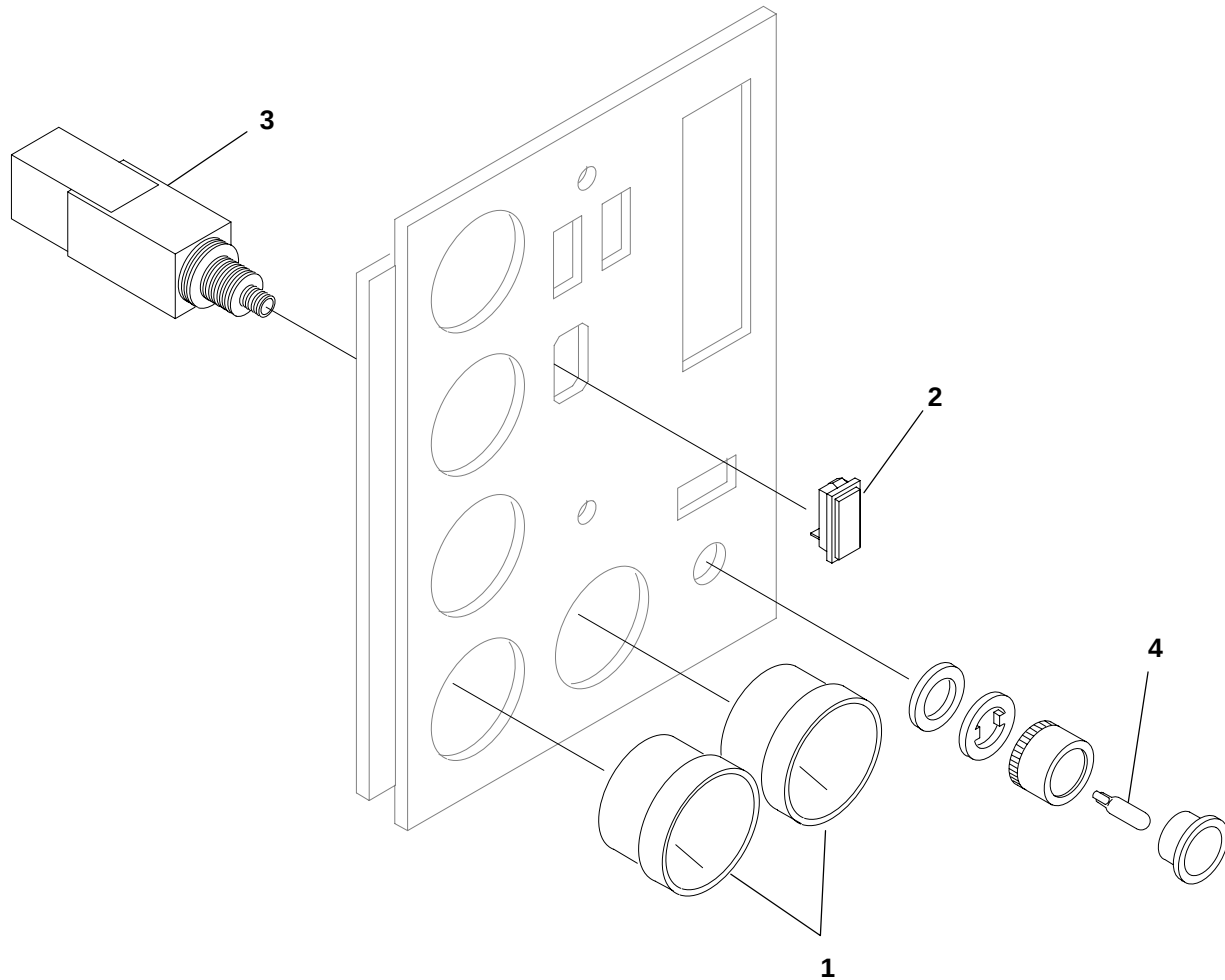
Oil Temperature Gauge



K486

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	302-1723	1	Ammeter - Blank Scale (Spec A Through E)	7	502-0029	1	Bushing, Reducer Brass (1/4" to 1/8")
2	301-6257	1	Switch - Blank				Pipe
3	193-0330	1	Gauge, Oil Temperature (M15) Spec A,B	505-0151	1	1/2" to 1/8" (Oil Pan Mounted) Spec A,B	
	193-0435	1	Begin Spec C	505-0020	1	3/4" to 1/4"	
4	193-0250	1	Resistor, Gauge (R13)				
5	517-0137	1	Plug, Hole (7/8" Hole)				
6	193-0388	1	Sender, Oil Temperature (E4) (Oil Pan Mounted) Begin Spec C				

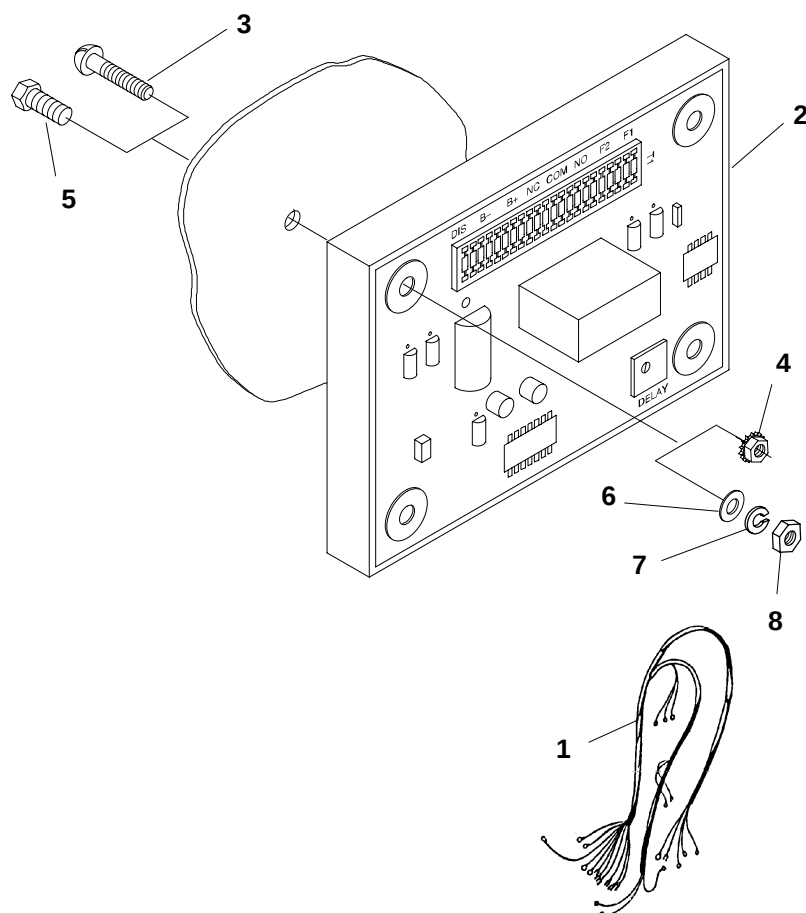
Emergency Stop Switch



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			Bulb, Replacement
2	301-6257	1	Switch - Blank	322-0223	1		With Round Base - Used
3	308-0853	1	Switch, Pushbutton - Emergency Stop (Includes Bulb) (S14)	322-0394	1		Approximately During Spec A and B
							With Wedge Base - Used
							Approximately Begin Spec C

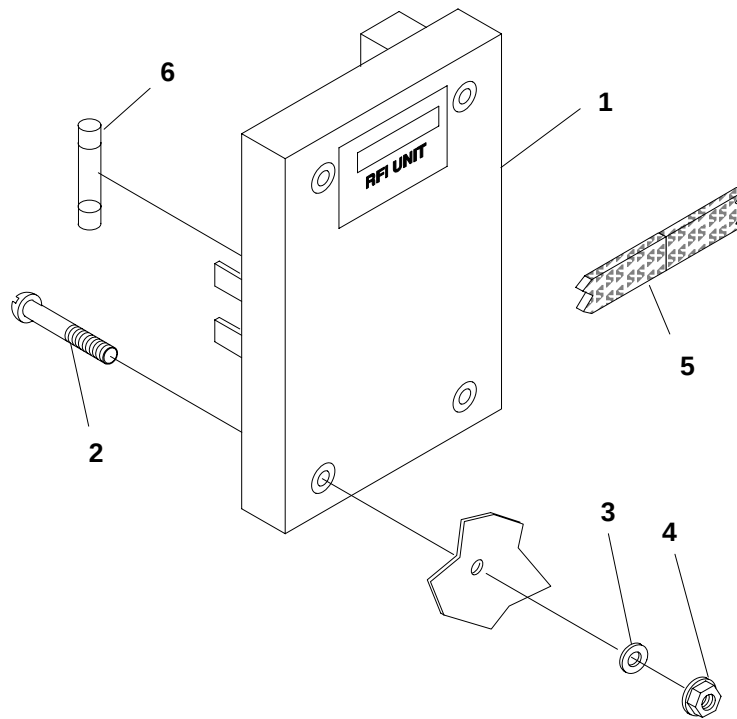
Excitation Loss Module



KJ35

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-2455	1	Harness, Wiring	5	800-2013	4	Screw, Cap - Hex Head (M5 x 35mm) Spec A,B
2	305-0821-02	1	Module (ELM)	6	526-2060	4	Washer, Flat (M5) Spec A,B
3	813-0103	4	Screw, Machine - Round Head (#10-32 x 3/4") Begin Spec C	7	850-2005	4	Washer, Lock - Spring (M5) Spec A,B
4	870-0131	4	Nut, Hex - W/ET (#10-32) Begin Spec C	8	860-2006	4	Nut, Hex (M5) Spec A,B

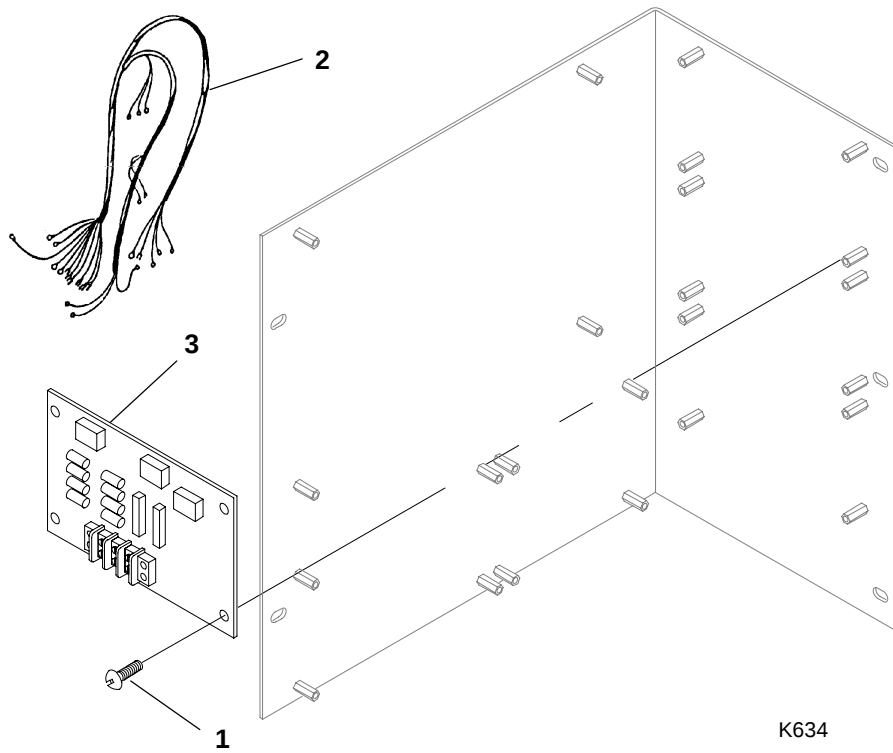
Radio Frequency Interference Module Begin Spec C



B220

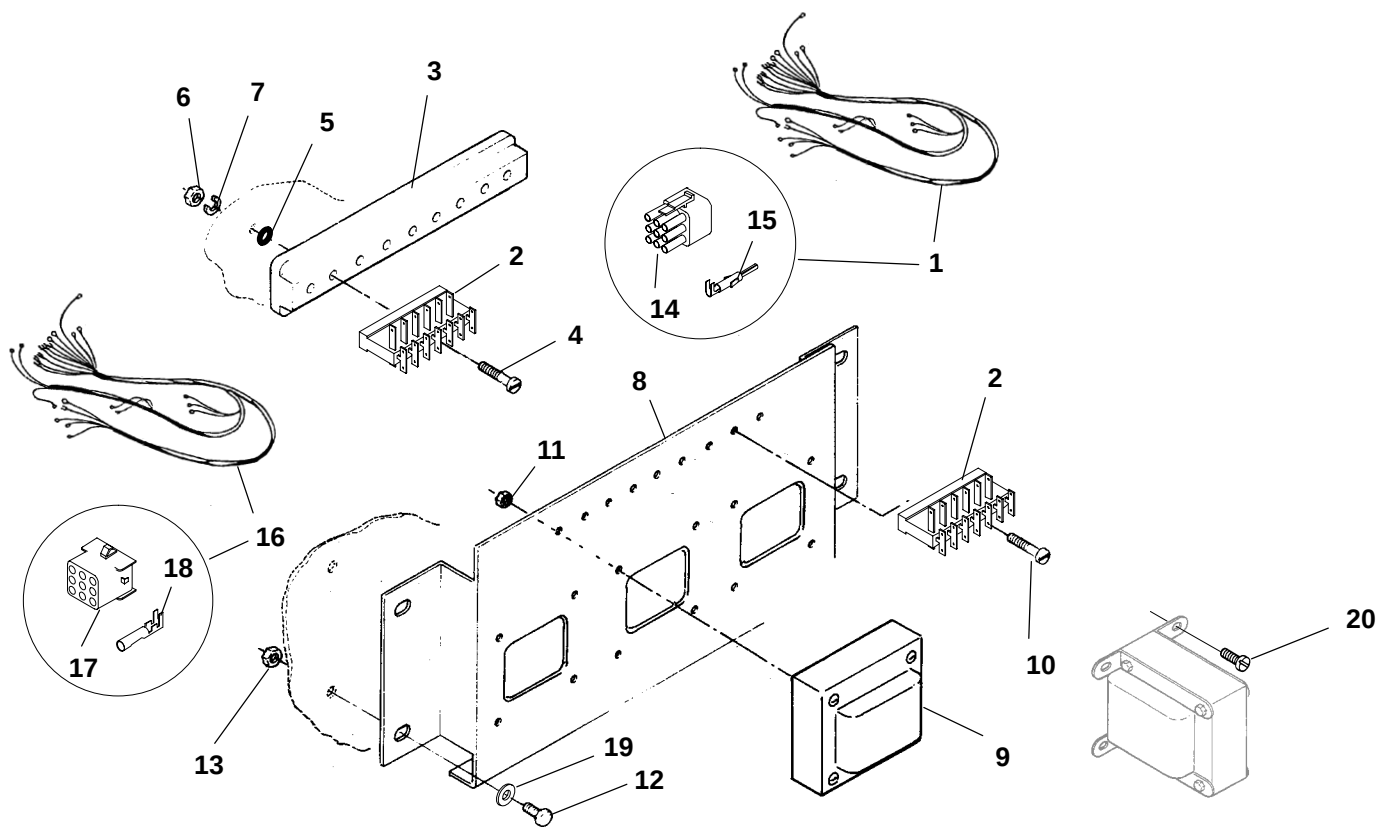
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	314-0212	1	Module	5	314-0213	-	Shielding, Wire - Bulk (3° Wide) (Order By The Foot - 12 Feet Required)
2	813-0107	4	Screw, Machine - Round Head (#10-32 x 1-1/4")	6	321-0327-01	4	Fuse (5 Amp)
3	526-0008	4	Washer, Flat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

Time Delay Start/Stop/Preheat



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			Board, Printed Circuit - Time Delay (A15 to A11TB1) (A15) Spec A and B
2	338-1904	1	Harness, Wiring (5 Wire) (21-1/2")	300-2899	1		Without Preheat
				300-2900	1		With Preheat
				300-2899	1		Begin Spec C

Auxiliary Terminal Block Generator Sets With Detector Control



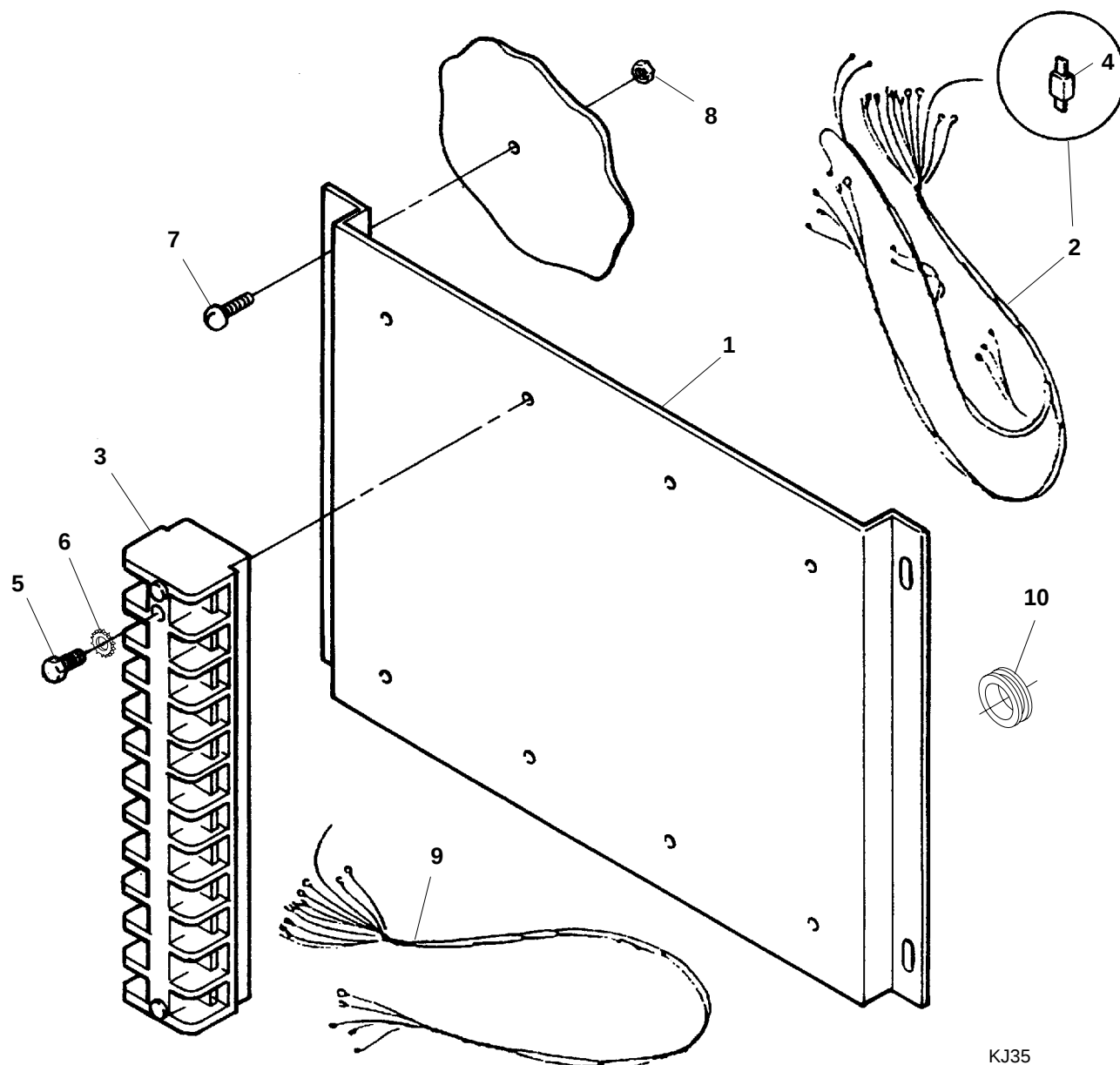
B246,252,258,259,260,300,301,302,312,
313,314,324,325,326,372,373,374,392

Auxiliary Terminal Block Generator Sets With Detector Control

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Harness, Wiring Spec A and B (Model HC6 Generators)	2	332-3007	3	*>#<^ Block, Terminal (AUX)
338-2713	1		6 Lead Generators (Includes Parts Marked ^)	3	232-3536	1	*>#<^ Base, Terminal Block
338-2530	1		12 Lead Generators, Reconnectable Begin Spec C 190-240, 380-480 Volt, 12 Lead Reconnectable Generators	4	812-0085	3	*#<^ Screw, Machine - Round Head (#8-32 x 1-1/8")
338-2491	1		Model HC5 Generators (Includes Parts Marked <) (AUX to TB21,VR21,A16,8,7,6,5,4,X,XX,P2,P3,P4)	5	509-0065	1	>#<^ Seal, O-Ring
338-2530	1		Model HC6, HC7 Generators (AUX to TB21,VR21,A16,X,XX,P2,P3,P4,5,8,7,4,6) 600 Volt Generators	6	870-0221	3	Nut, Hex - W/ET (#8-32)
338-2796	1		Model HC5 Generators Spec C Through E (AUX to TB21, VR21,TB1,TB2,8,7,6,5,X,XX,SP2,P3,P4)	7	850-0025	3	Washer, Lock - Spring (#10)
338-3359	1		Begin Spec F (Includes Parts Marked #) (AUX to TB21,A16,VR21,8,7,6,5,X,XX,P1,P2,P3,P4)	8	319-1245	1	* Bracket, Mounting
338-2713	1		Model HC6, HC7 Generators Spec C Through E (Includes Parts Marked ^) (AUX to TB21,VR21,A16,X,XX,P2,P3,P4,TB2,TB1,8,7,6,5)	9	315-0717	3	* Transformer (PTW,PTV,PTU)
338-3360	1		Begin Spec F (Includes Parts Marked >) (AUX to TB21,VR21,A16,X,XX,P2,P3,P4,P1,8,7,6,5)	10			Screw, Machine - Round Head
338-2867	1		4160-2400 Volt Generators - Model MV6, MV7 Generators (AUX to TB21, VR21, A16,X,XX,P2,P3,P4, TB1)		812-0082	3	Spec A and B (#8-32 x 3/4")
					812-0079	3	* Begin Spec C (#8-32 x 1/2")
				11	870-0221	12	* Nut, Hex - W/ET (#8-32)
				12	800-2088	4	* Screw
					821-0016	4	* Spec A and B - Cap - Hex Head (M10 x 35mm)
							Begin Spec C - Self-Locking - Hex Washer Head (5/16-18 x 3/4")
				13	870-0257	4	Nut, Locking - Hex Flange Head (5/16-18) Begin Spec C
				14	323-1644-01	1	># Plug, Connector (9 Place) Begin Spec F (P1)
				15	323-1647	8	># Pin, Contact - Begin Spec F
				16	338-3337	1	Harness, Wiring - Transformer (Includes Parts Marked +) Begin Spec F (J1 to PTW, PTV, PTU)
				17	323-1644-02	1	+ Housing, Connector (9 Place) Begin Spec F (J1)
				18	323-1648	9	+ Socket, Contact - Begin Spec F
				19	526-2120	4	* Washer, Flat (M10) Spec A and B
				20	813-0100	12	Screw, Machine - Round Head (#10-32 x 1/2") Spec A and B

^ - Parts Included In 338-2713 Wiring Harness
 < - Parts Included In 338-2491 Wiring Harness
 # - Parts Included In 338-3359 Wiring Harness
 > - Parts Included In 338-3360 Wiring Harness
 + - Parts Included In 338-3337 Wiring Harness
 * - Not Used On All Models

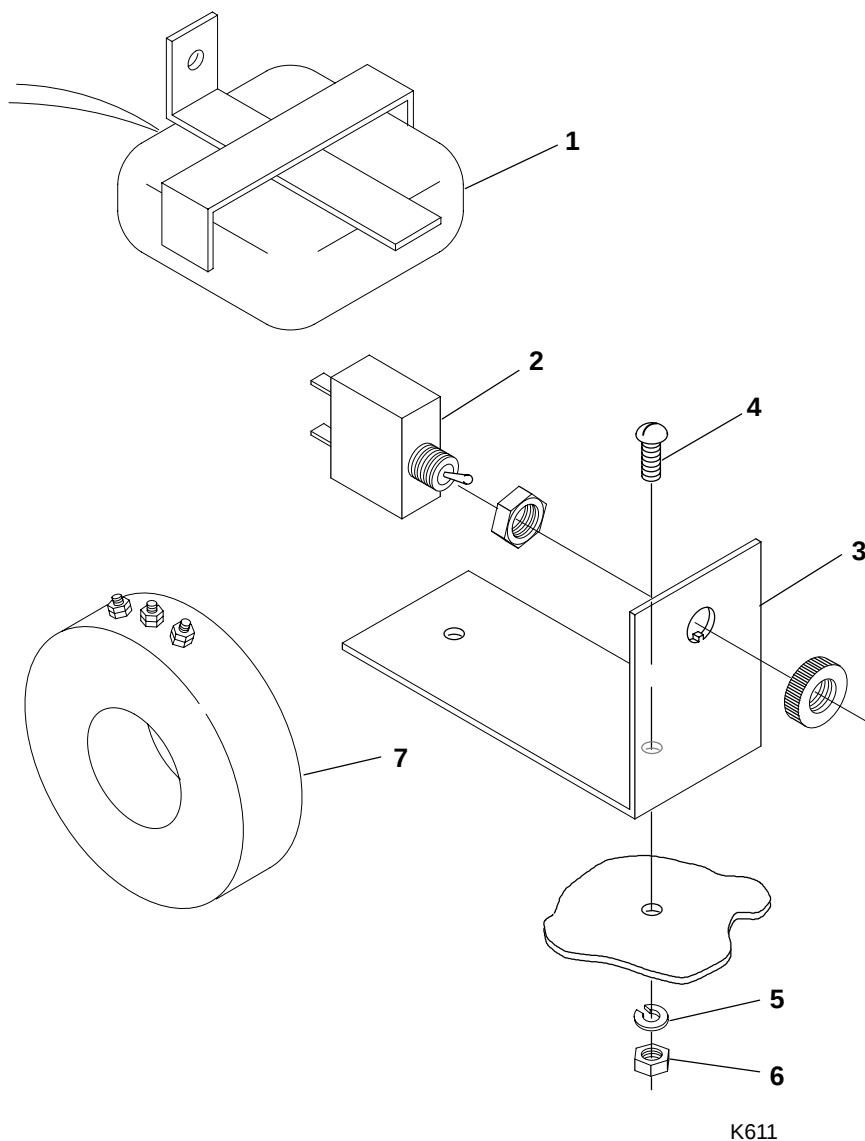
Paralleling Interconnect Terminal Block



KJ35

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-1137	1	Panel, Mounting	6	853-0005	8	Washer, Lock - W/ET (#8)
2	338-2590	1	Harness, Wiring (Includes Four Terminal Blocks And Diode) (30 Wire, 84°) (TB11, CR1 to VR21, CB21, ELM, A11 and GND)	7	813-0100	4	Screw, Machine - Round Head (#10-32 x 1/2°)
3	332-2315	4	Block, Terminal (TB11)	8	870-0131	4	Nut, Hex - W/ET (#10-32)
4	357-0030	1	Diode (6 Amp) (CR1)	9	338-2172	1	Harness, Wiring - Governor (Shielded) (5 Wire, 39°)
5			Screw, Machine - Round Head	10	508-0051	1	Grommet, Rubber (Fits 2° Hole)
	812-0084	8	Spec A and B (#8-32 x 1°)				
	812-0085	8	Begin Spec C (#8-32 x 1-1/8°)				

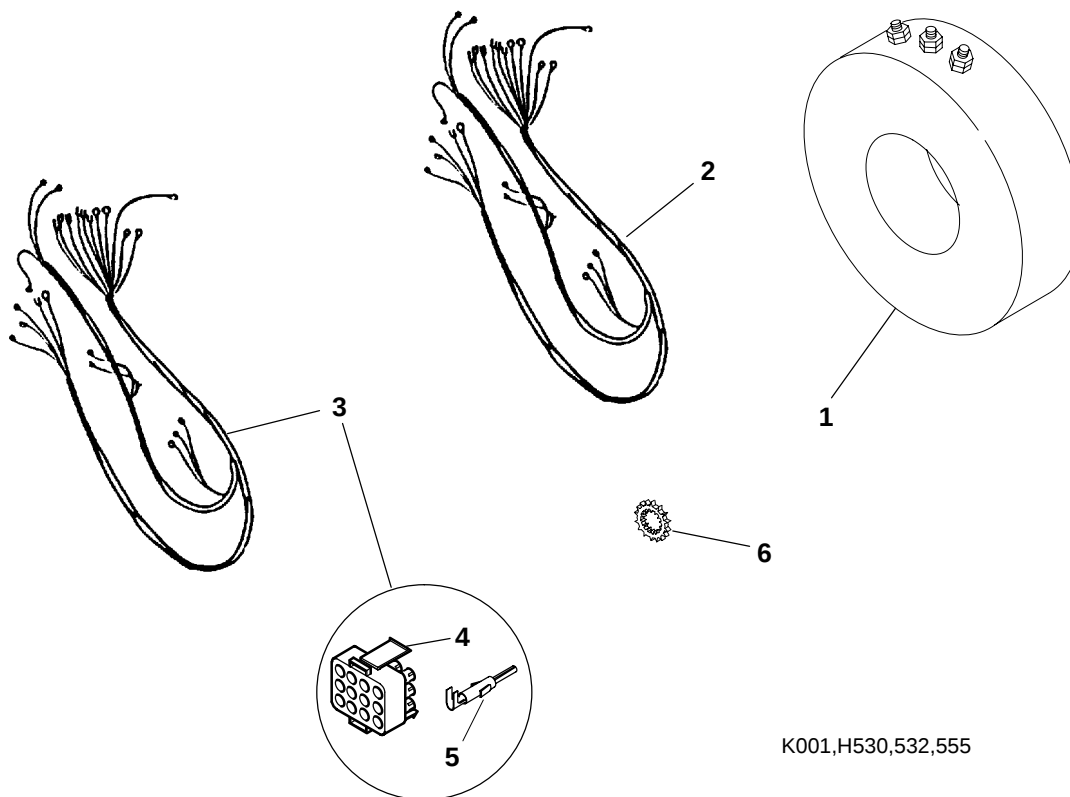
Cross Current Compensation Circuit



K611

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	302-1852-03	1	Transformer, Current (CT) 600:0.38 Ratio (Model HC5 Generators)	4	813-0100	2	Screw, Machine - Round Head (#10-32 x 1/2")
	302-1852-07	1	1000:0.38 Ratio (Model HC6 Generators) (Begin Spec E)	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	7	302-1926-30	1	Transformer, Current - 1667/1 Ratio (CT) (Model HC6,HC7,MV Generators)

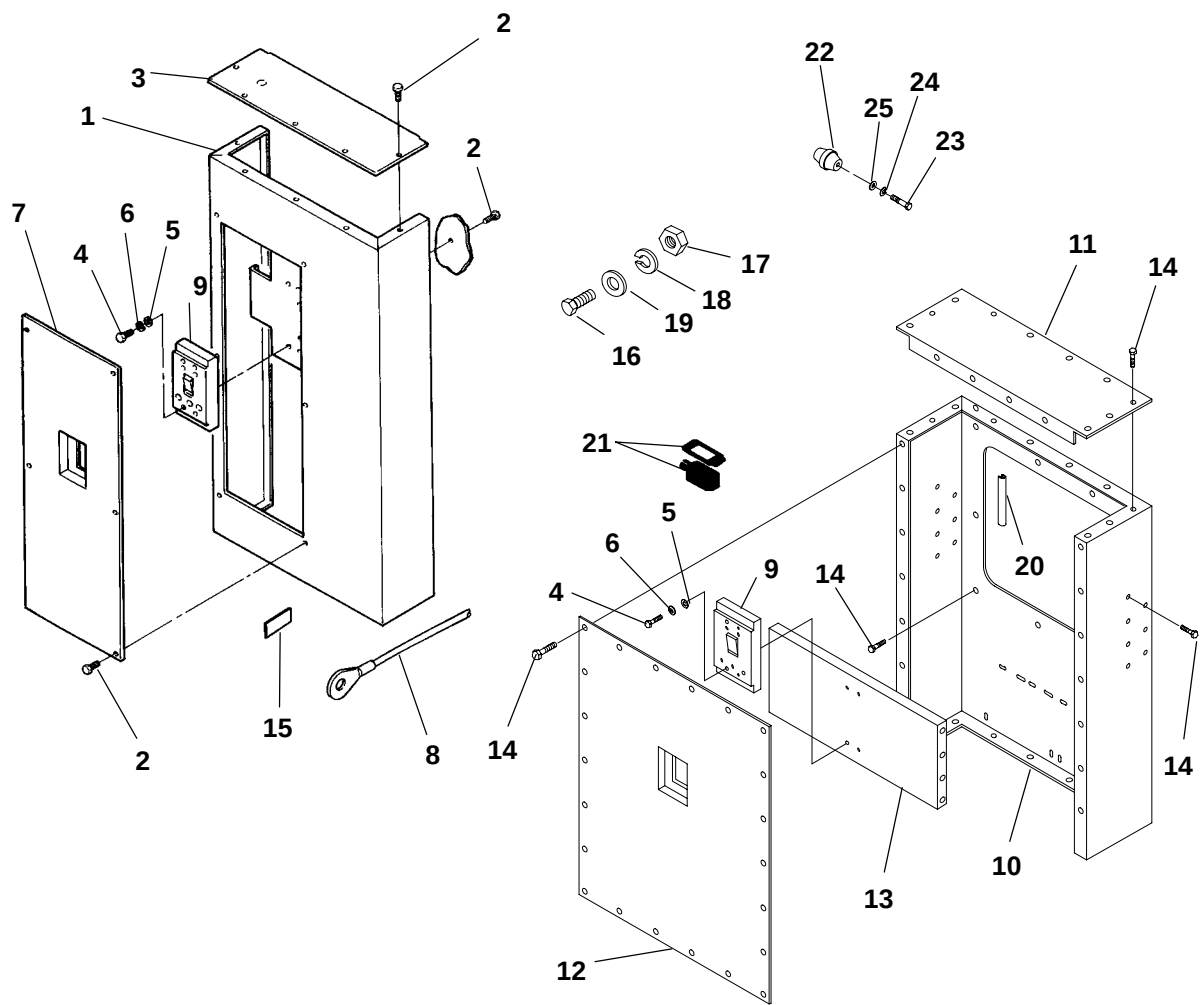
Current Transformer



K001,H530,532,555

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Transformer, Current (CT21, CT22, CT23) Generator Sets With Detector Control	3	338-3019	1	Harness, Wiring - Generator Sets With PowerCommand Control - Begin Spec D (Includes Plug And Sockets) (10 Wire) (P9 To CT21,22,23 And 5,6,7,8) (60°)
	302-1794-02	3	Ratio 100/5 or 200/5				
	302-1794-03	3	Ratio 150/5 or 300/5	4	323-1644-03	1	Plug - 12 Place - Generator Sets With PowerCommand Control - Begin Spec D (P9)
	302-1794-05	3	Ratio 250/5 or 500/5				
	302-1794-11	3	Ratio 750/5 or 1500/5	5	323-1648	10	Socket, Contract - Generator Sets With PowerCommand Control - Begin Spec D
	302-1794-12	3	Ratio 1000/5 or 2000/5				
	302-1794-13	3	Ratio 1500/5 or 3000/5	6	856-0008	2	Washer, Lock - EIT (5/16°) (Grounding Wires)
			Generator Sets With Power Command Control - Begin Spec D				
	302-1922-27	3	Ratio 1104/1 or 2208/1				
	302-1922-30	3	Ratio 1381/1 or 2762/1				
	302-1922-33	3	Ratio 1577/1 or 3154/1				
	302-1922-34	3	Ratio 1893/1 or 3786/1				
2			Harness, Wiring - Generator Sets With Detector Control (7 Wire) (TB21,GND to CT21,22,23)				
	338-1980	1	61°				
	338-2532	1	79°				

Circuit Breaker
Spec A and B

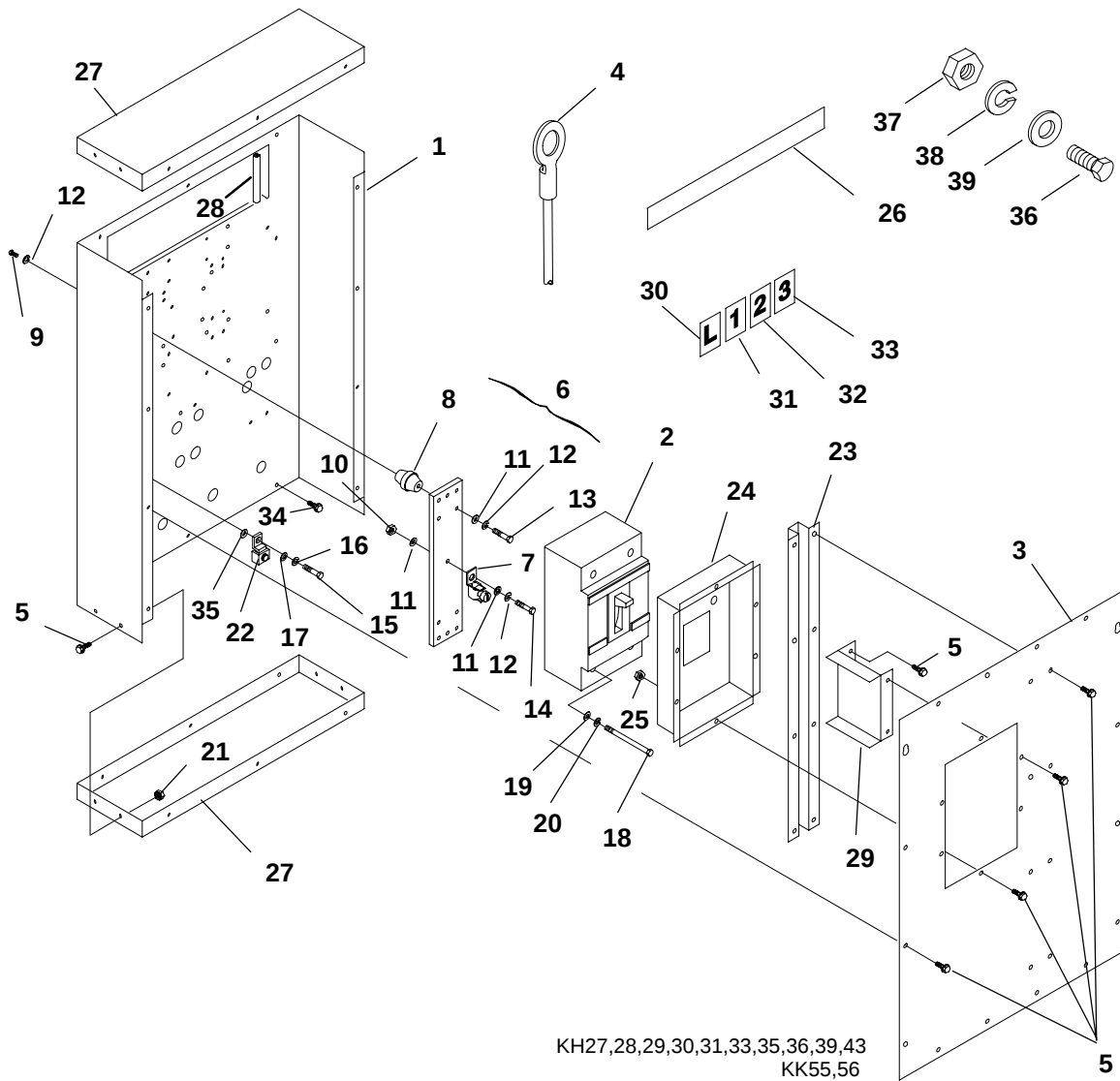


Circuit Breaker Spec A and B

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	301-9654	1	Box, Circuit Breaker	10	319-0890	1	Box, Circuit Breaker
2	821-0010	22	Screw, Self-Locking - Hex Washer Head (1/4-20 x 1/2")	11	319-0892	2	Panel Cover
3	301-9653	2	Panel	12	319-0893	1	UL Listed Circuit Breakers
4	800-0031	4	Screw, Cap - Hex Head (5/16-18 x 1-1/2")		319-1410	1	Non-UL Listed Circuit Breakers
5	526-0115	4	Washer, Flat (5/16")	13	319-0891	1	Bracket, Mounting
6	850-0045	4	Washer, Lock - Spring (5/16")	14	821-0010	60	Screw, Self-Locking - Hex Washer Head (1/4-20 x 1/2")
7			Cover	15	091-0002	1	Strip, Copper (Used for wrapping end of leads before securing to circuit breakers) (Quantity Used As Required)
	301-9652	1	1-1/4" x 3" Circuit Breaker Opening				
	301-9651	1	3-1/2" x 4-1/4" Circuit Breaker Opening	16	800-0094	8	Screw, Cap - Hex Head (1/2-13 x 2")
8			Lead, Circuit Breaker (Quantity Used As Required) (#1/0 Wire)	17	862-0005	8	Nut, Hex (1/2-13)
			UL Listed Circuit Breakers	18	850-0060	8	Washer, Lock - Spring (1/2")
	226-3371	1	40°	19	526-0219	16	Washer, Flat (1/2")
	226-3376	1	56°	20	508-0239	-	Edging - Bulk (Order By The Foot - 9 Feet Required)
			Non-UL Listed Circuit Breakers (39°)				Non-UL Listed Circuit Breakers
	226-4406-04	1	Without ^a LO° Marking	21	320-1755-15	3	Lug Set - Non-UL Listed Circuit Breakers (Packaged In Sets - Two Lugs Per Set)
	226-4537	1	With ^a LO° Marking				
9			Breaker, Circuit (CB21)	22	332-2744-07	1	Standoff, Insulator - Non-UL Listed Circuit Breakers
			Standard	23	800-0050	2	Screw, Cap - Hex Head (3/8-16 x 1") Non-UL Listed Circuit Breakers
	320-1461-08	1	* 800 Amp	24	850-0050	2	Washer, Lock - Spring (3/8") Non-UL Listed Circuit Breakers
			1000 Amp				
	320-1461-09	1	* UL Listed	25	526-0029	2	Washer, Flat (3/8") Non-UL Listed Circuit Breakers
	320-1730-03	1	# Non-UL Listed				
	320-1461-10	1	* 1200 Amp				
	320-1730-04	1	# 1250 Amp - Non-UL Listed				
			With Auxiliary Contacts				
	320-1465-08	1	* 800 Amp				
	320-1465-09	1	* 1000 Amp				
	320-1473-09	1	* With Shunt Trip - 1000 Amp				
	320-1822-04	1	* With Auxiliary Contacts, Shunt Trip and Bell Alarm - 1200 Amp				

* - UL Listed Circuit Breakers; Includes Lugs and Interchangeable Trip
- Non-UL Listed Circuit Breakers; Lugs Not Included

**Circuit Breaker
UL Listed
Model HC5 Generators
Spec C Through F**



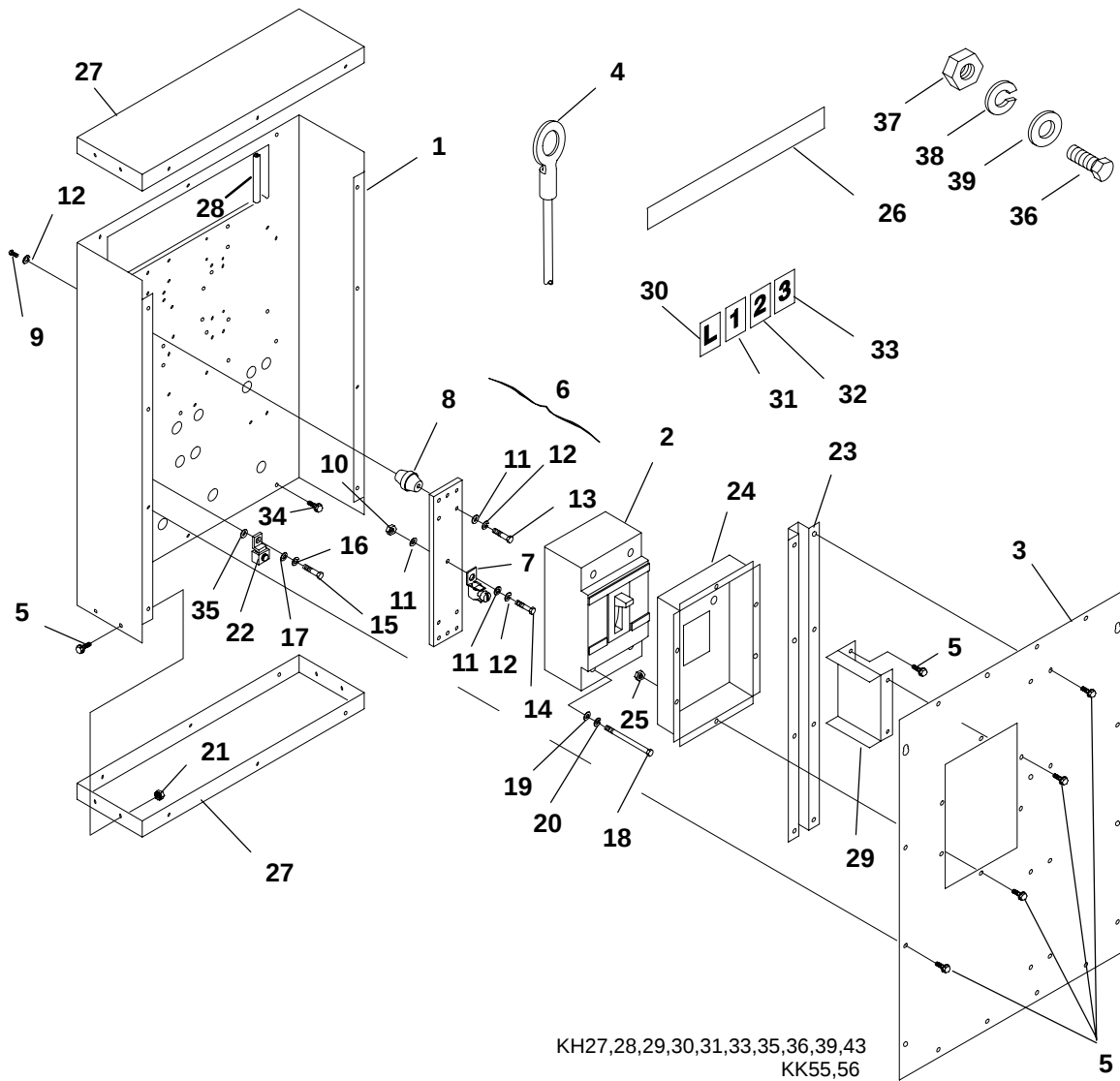
**Circuit Breaker
UL Listed
Model HC5 Generators
Spec C Through F**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-2432	1	Box, Circuit Breaker	10	862-0003	3	*Nut, Hex (3/8 ^o)
2			Breaker, Circuit - 3 Pole With Interchangeable Trip (Includes Lugs) (CB21)	11	526-0029	8	*Washer, Flat (3/8 ^o)
			Standard	12	850-0050	7	*Washer, Lock - Spring (3/8 ^o)
	320-1460-10	1	450 Amp	13	800-0051	2	*Screw, Cap - Hex Head (3/8-16 x 1-1/4 ^o)
	320-1460-11	1	500 Amp	14	800-0052	3	*Screw, Cap - Hex Head (3/8-16 x 1-1/2 ^o)
	320-1460-12	1	600 Amp	15	800-0050	1	Screw, Cap - Hex Head (3/8-16 x 1 ^o)
	320-1461-07	1	700 Amp	16	850-0050	1	Washer, Lock - Spring (3/8 ^o)
	320-1461-08	1	800 Amp	17	526-0029	1	Washer, Flat (3/8 ^o)
	320-1461-09	1	1000 Amp	18			Screw
	320-1461-10	1	1200 Amp		812-0157	4	Machine - Round Head (1/4-20 x 1-3/4 ^o) 450 To 600 Amp Breakers
			With Auxiliary Contacts		800-0031	4	Cap - Hex Head (5/16-18 x 1-1/2 ^o) 700 To 1200 Amp Breakers
	320-1464-10	1	450 Amp	19			Washer, Flat
	320-1464-11	1	500 Amp		526-0108	4	1/4 ^o - 450 To 600 Amp Breakers
	320-1464-12	1	600 Amp		526-0115	4	5/16 ^o - 700 To 1200 Amp Breakers
	320-1465-07	1	700 Amp	20			Washer, Lock - Spring
	320-1465-08	1	800 Amp		850-0040	4	1/4 ^o - 450 To 600 Amp Breakers
	320-1465-09	1	1000 Amp		850-0045	4	5/16 ^o - 700 To 1200 Amp Breakers
	320-1465-10	1	1200 Amp	21	870-0494	16	Nut, Self-Retaining (1/4-20)
			With Shunt Trip	22	332-2001	1	Lug, Solderless
	320-1472-10	1	450 Amp	23	319-1918	1	Brace, Cover
	320-1472-11	1	500 Amp	24			Cup, Circuit Breaker
	320-1472-12	1	600 Amp		319-2431-13	1	2-9/16 ^o x 3-5/8 ^o Opening
	320-1473-07	1	700 Amp		319-2431-14	1	3-1/8 ^o x 4-1/8 ^o Opening
	320-1473-08	1	800 Amp	25	870-0212	6	Nut, Locking (1/4-20)
	320-1473-09	1	1000 Amp	26	091-0002	1	Strip, Copper (Used for wrapping end of leads before securing to circuit breakers) (Quantity Used As Required)
	320-1473-10	1	1200 Amp				
			With Auxiliary Contacts and Shunt Trip	27	319-1915	2	Panel
	320-1492-10	1	450 Amp	28	508-1092	-	Edging - Bulk (Order By The Foot - 3 Feet Required)
	320-1492-11	1	500 Amp				
	320-1492-12	1	600 Amp				
	320-1493-07	1	700 Amp				
	320-1493-08	1	800 Amp				
	320-1493-09	1	1000 Amp				
	320-1493-10	1	1200 Amp				
	320-1641-11	1	With Auxiliary Contacts and Bell Alarm 800 Amp				
3	319-1917	1	Cover				
4			Lead, Circuit Breaker (Quantity Used As Required) 39 ^o (Without Markings) (#1/0 Wire)				
	226-4406-03	1	1/2 ^o Ring Terminal End to 1 ^o Stripped End				
	226-4406-04	1	1/2 ^o Ring Terminal End to 1/2 ^o Ring Terminal End				
5	821-5002-03	40	Screw, Self-Locking - Hex Washer Head (1/4-20 x 1/2 ^o)				
6	300-4318-01	1	Bar Assembly, Neutral (Includes Neutral Bars, Labels and Parts Marked *)				
7	332-2001	3	*Lug, Solderless				
8	332-2744-07	2	*Standoff, Insulator				
9	800-0048	2	*Screw, Cap - Hex Head (3/8-16 x 3/4 ^o)				

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

Continued...

Circuit Breaker
UL Listed
Model HC5 Generators
Spec C Through F



**Circuit Breaker
UL Listed
Model HC5 Generators
Spec C Through F**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
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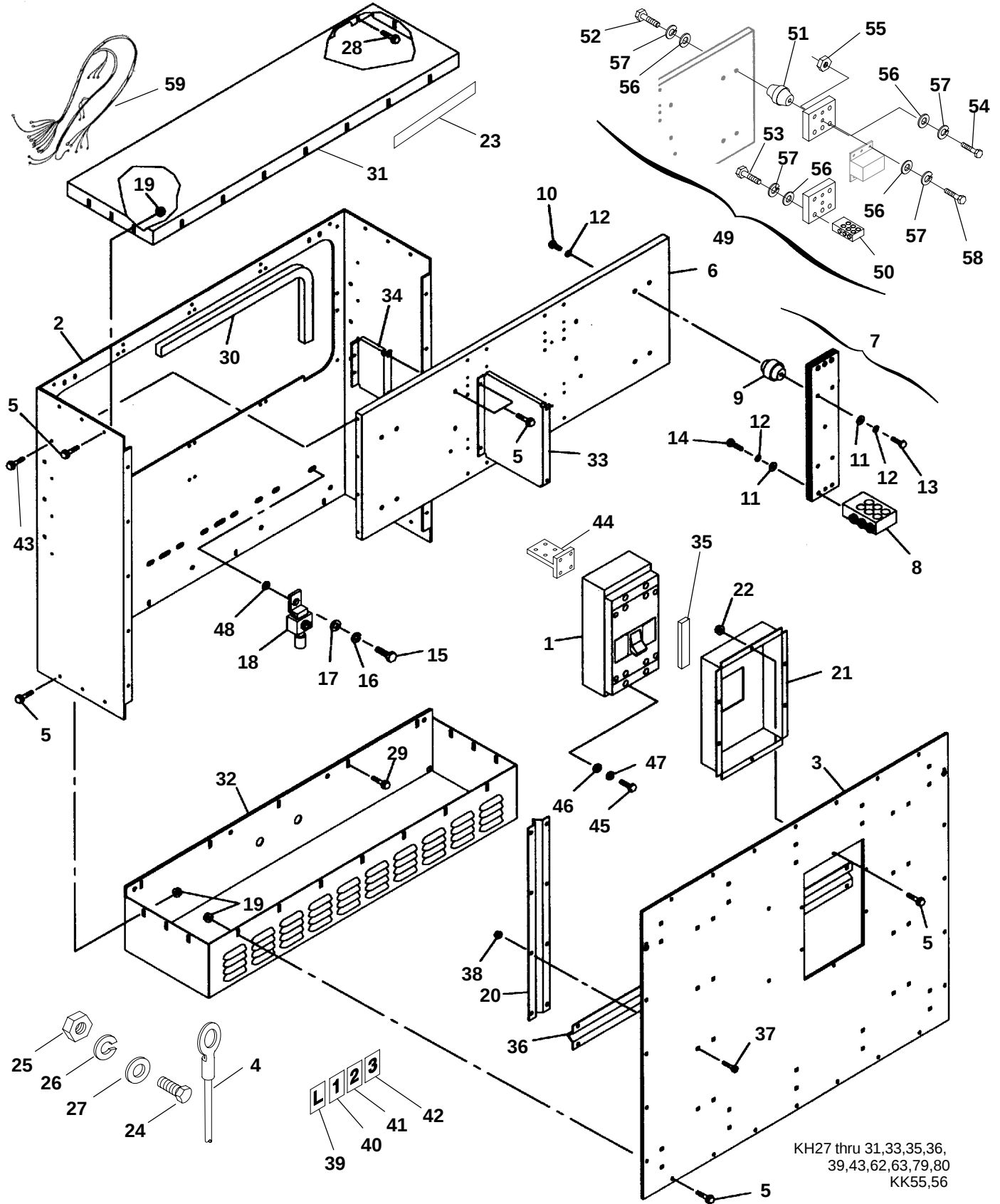
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29	319-1927	1	Brace, Cover
30	098-5854-06	3	Label, Marker (10 Characters Per Card) Marked 1°
31	098-5854-07	1	Label, Marker (10 Characters Per Card) Marked 1°
32	098-5854-08	1	Label, Marker (10 Characters Per Card) Marked 2°
33	098-5854-09	1	Label, Marker (10 Characters Per Card) Marked 3°
34	821-5002-04	5	Screw, Self-Locking - Hex Washer Head (1/4-20 x 5/8°)
35	856-0010	1	Washer, Lock - EIT (3/8°)

The following four hardware items are used to fasten the load leads to the generator and neutral bar. Quantity used as required.			
36	800-0094	1	Screw, Cap - Hex Head (1/2-13 x 2°)
37	862-0005	1	Nut, Hex (1/2-13)
38	850-0060	1	Washer, Lock - Spring (1/2°)
39	526-0219	1	Washer, Flat (1/2°)

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

**Circuit Breaker
UL Listed
Model HC6 and HC7 Generators
Spec C Through F**

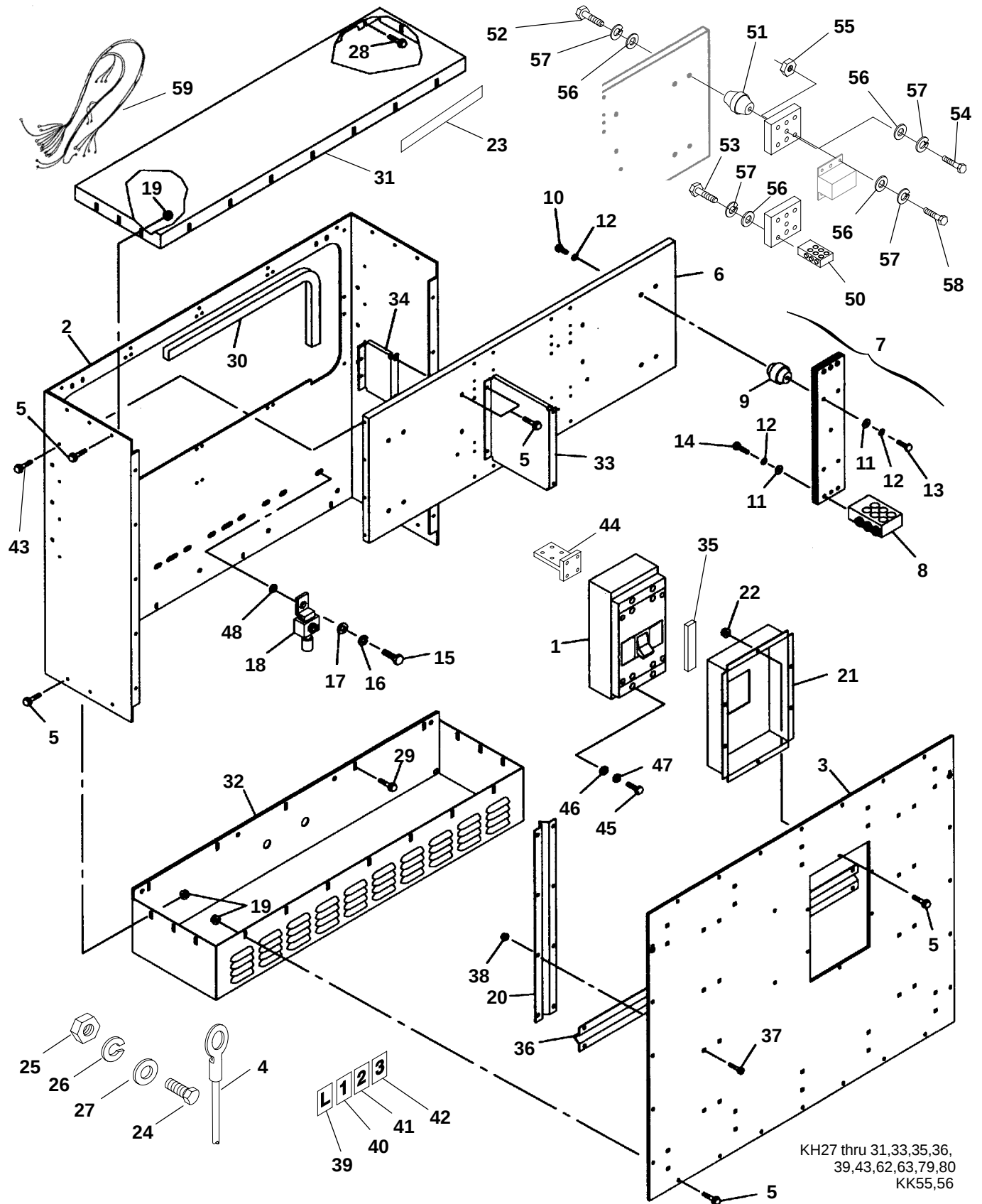


**Circuit Breaker
UL Listed
Model HC6 and HC7 Generators
Spec C Through F**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Breaker, Circuit (Includes Mounting Screws) 3 Pole (CB21)				This second group of circuit breakers are 100% rated. Frame size CM2000-HH circuit breakers include bus bars (T-bars).
			This first group of circuit breakers have interchangeable trip and include the lugs.				
			Standard				
	320-1460-10	1	450 Amp		320-1783-01	1	Standard
	320-1460-11	1	500 Amp				Frame Size
	320-1460-12	1	600 Amp		320-1783	1	CM1250-HH
	320-1461-07	1	700 Amp				Frame Size
	320-1461-08	1	800 Amp		320-1783-02	1	CM1600-HH
	320-1461-09	1	1000 Amp				Frame Size
	320-1461-10	1	1200 Amp				CM2000-HH
			With 4 Wire Ground				With 4 Wire Ground
			Fault				Fault
			Contacts		320-1783-13	1	Frame Size
	320-1464-10	1	450 Amp				CM1250-HH
	320-1464-11	1	500 Amp		320-1783-12	1	Frame Size
	320-1464-12	1	600 Amp				CM1600-HH
	320-1465-07	1	700 Amp		320-1783-14	1	Frame Size
	320-1465-08	1	800 Amp				CM2000-HH
	320-1465-09	1	1000 Amp				With 24 Volt Shunt
	320-1465-10	1	1200 Amp				Trip
			With 24 Volt Shunt Trip		320-1783-05	1	Frame Size
							CM1250-HH
	320-1472-10	1	450 Amp		320-1783-04	1	Frame Size
	320-1472-11	1	500 Amp				CM1600-HH
	320-1472-12	1	600 Amp		320-1783-06	1	Frame Size
	320-1473-07	1	700 Amp				CM2000-HH
	320-1473-08	1	800 Amp				With Auxiliary
	320-1473-09	1	1000 Amp				Contacts and Bell
	320-1473-10	1	1200 Amp				Alarm
			With Auxiliary		320-1783-18	1	Frame Size
			Contacts and 24				CM1250-HH
			Volt Shunt Trip		320-1783-17	1	Frame Size
	320-1492-10	1	450 Amp				CM1600-HH
	320-1492-11	1	500 Amp		320-1783-19	1	Frame Size
	320-1492-12	1	600 Amp				CM2000-HH
	320-1493-07	1	700 Amp				With Auxiliary
	320-1493-08	1	800 Amp				Contacts, Bell
	320-1493-09	1	1000 Amp				Alarm and 24 Volt
	320-1493-10	1	1200 Amp				Shunt Trip
					320-1783-09	1	Frame Size
							CM1250-HH
					320-1783-08	1	Frame Size
							CM1600-HH
					320-1783-10	1	Frame Size
							CM2000-HH
				2	319-1957	1	Box, Circuit Breaker

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**Circuit Breaker
UL Listed
Model HC6 and HC7 Generators
Spec C Through F**



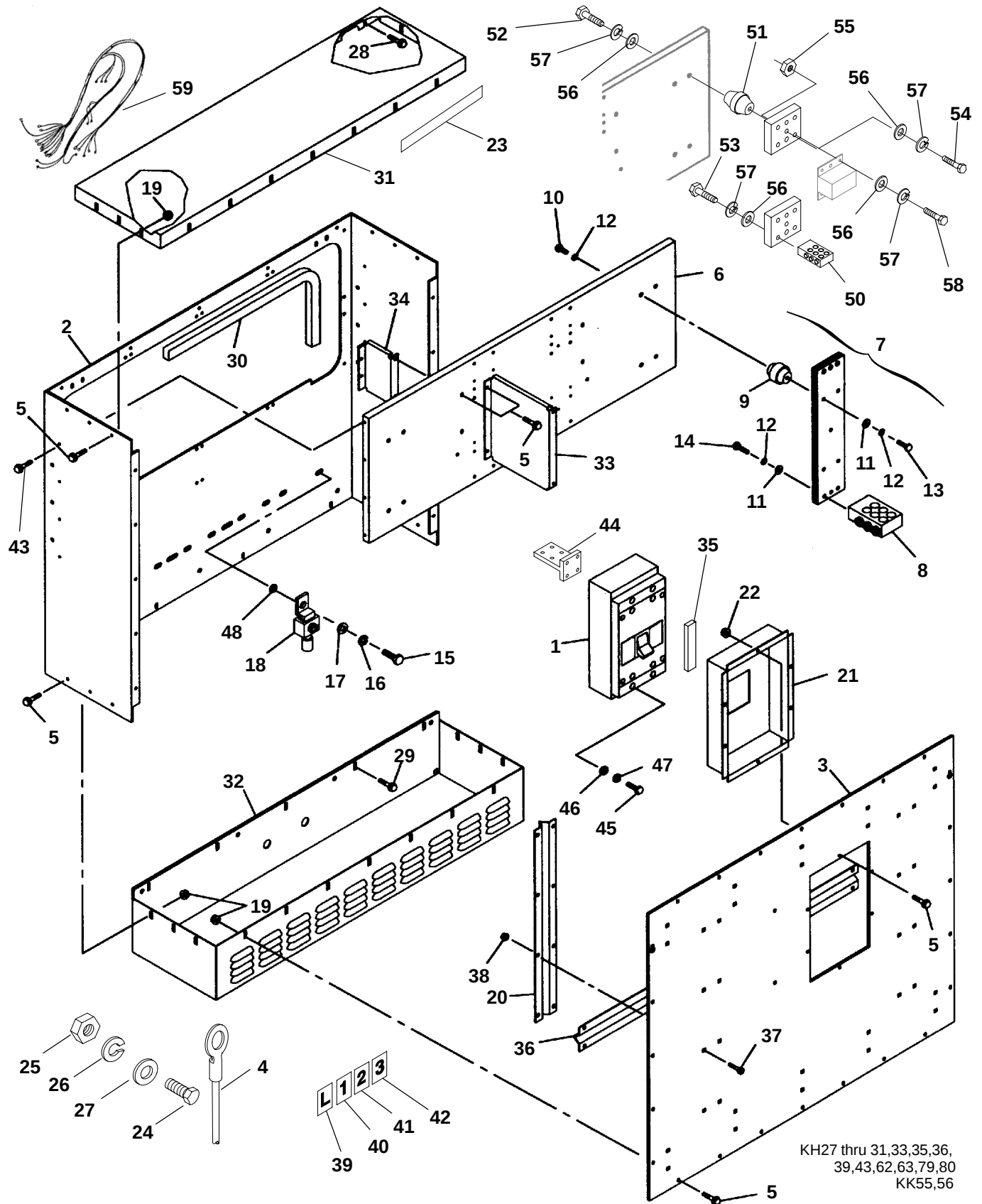
**Circuit Breaker
UL Listed
Model HC6 and HC7 Generators
Spec C Through F**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
Continued...				13	800-0052	4	* Screw, Cap - Hex Head (3/8-16 x 1-1/2 ^o)
3	319-1964	1	Cover, Circuit Breaker 450 to 1200 Amp Breakers	14	800-2089	3	* Screw, Cap - Hex Head (M10 x 40mm)
	319-1959-01	1	CM1250-HH to CM2000-HH Breakers	15	800-0050	1	Screw, Cap - Hex Head (3/8-16 x 1 ^o)
4			Lead - Circuit Breaker (Quantity Used As Required) (Without Markings) (#1/0 Wire)	16	850-0050	1	Washer, Lock - Spring (3/8 ^o)
			450 to 1200 Amp Breakers (39^o)	17			Washer, Flat (3/8 ^o)
	226-4406-03	1	1/2 ^o Ring Terminal End to 1 ^o Stripped End		526-0029	4	450 to 1200 Amp Breakers
	226-4406-04	1	1/2 ^o Ring Terminal End to 1/2 ^o Ring Terminal End		526-0029	2	CM1250-HH to CM2000-HH Breakers
			CM1250-HH to CM2000-HH Breakers	18	332-2001	1	Lug, Solderless
	226-4406-05	1	3/8 ^o Ring Terminal End to 1 ^o Stripped End (39 ^o)	19	870-0494	26	Nut, Self-Retaining - Floating (1/4-20)
	226-4498-03	1	1/2 ^o Ring Terminal End to 1/2 ^o Ring Terminal End (30 ^o)	20	319-2398	2	Brace, Cover (Vertical)
5			Screw, Self-Locking - Hex Washer Head (1/4-20 x 1/2 ^o)	21	319-2431-18	1	Cup, Circuit Breaker Opening Recessed 2-7/8 ^o
	821-0010	52	450 to 1200 Amp Breakers		319-2431-21	1	Opening Recessed 4-5/16 ^o
	821-0010	44	CM1250-HH to CM2000-HH Breakers	22	870-0212	6	Nut, Locking (1/4-20)
6			Bracket, Mounting - Circuit Breaker	23	091-0002	1	Strip, Copper (Used for wrapping ends of leads before securing to circuit breakers and neutral bar lug) (Quantity Used As Required)
	319-1963	1	450 to 1200 Amp Breakers				The following four hardware items are used to fasten the load leads to the generator and neutral bar. Quantity used as required.
	319-1962	1	CM1250-HH to CM2000-HH Breakers	24	800-0094	1	Screw, Cap - Hex Head (1/2-13 x 2 ^o)
7	300-4480-01	1	Bar Assembly, Neutral (Includes Neutral Bars, Labels and Parts Marked *)	25	862-0005	1	Nut, Hex (1/2-13)
			(Note: Used In All Circuit Breaker Applications Except CM1250-HH to CM2000-HH With 4 Wire Ground Fault)	26	850-0060	1	Washer, Lock - Spring (1/2 ^o)
				27	526-0219	1	Washer, Flat (1/2 ^o)
				28	821-0018	5	Screw, Self-Locking - Hex Washer Head (1/4-20 x 5/8 ^o)
				29	821-0011	5	Screw, Self-Locking - Hex Washer Head (1/4-20 x 7/8 ^o)
				30	508-1109	-	Edging - Bulk (Order By The Foot - 3 Feet Required)
8	332-3303-01	1	* Lug, Solderless	31	319-1961	1	Panel - Top
9	332-2744-07	4	* Standoff, Insulator	32	319-1925	1	Panel - Bottom
10	800-0048	4	* Screw, Cap - Hex Head (3/8-16 x 3/4 ^o)	33			Brace, Cover
11	526-2120	7	* Washer, Flat (M10)		319-1926-01	1	450 to 1200 Amp Breakers
12	850-2010	11	* Washer, Lock - Spring (M10)		319-1926-02	1	CM1250-HH to CM2000-HH Breakers

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

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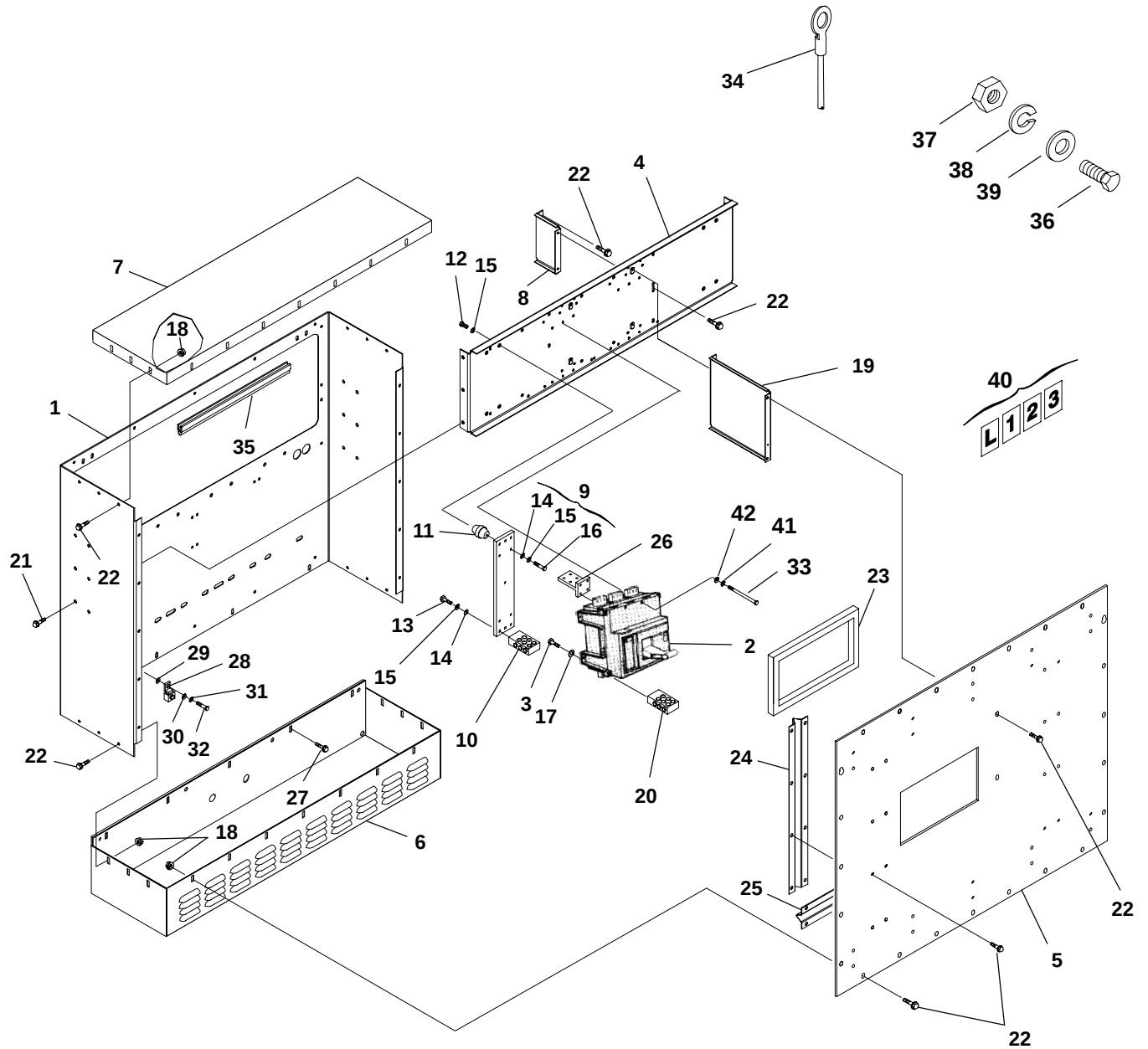
**Circuit Breaker
UL Listed
Model HC6 and HC7 Generators
Spec C Through F**



**Circuit Breaker
UL Listed
Model HC6 and HC7 Generators
Spec C Through F**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
Continued...				46			Washer, Flat
				526-0108	4		450 to 600 Amp Breakers (1/4")
34			Brace, Mounting Bracket - Circuit Breaker	526-0115	4		700 to 1200 Amp Breakers and CM1250-HH to CM2000-HH Breakers (5/16")
	319-2316-01	1	450 to 1200 Amp Breakers				
	319-2316-02	1	CM1250-HH to CM2000-HH Breakers	47			Washer, Lock - Spring
35			Stripping, Weather - Bulk (Order By The Foot)	850-0040	4		450 to 600 Amp Breakers (1/4")
	895-0182	-	450 to 1200 Amp Breakers (1 Foot Required)	850-0045	4		700 to 1200 Amp Breakers and CM1250-HH to CM2000-HH Breakers (5/16")
	895-0182	-	CM1250-HH to CM2000-HH Breakers (4 Feet Required)	48	856-0010	1	Washer, Lock - EIT (3/8")
36	319-2399	2	Brace, Cover (Horizontal)	49	337-2794	1	Bar Assembly, Neutral (Includes Neutral Bars, Label and Parts Marked #)
37	816-0098	36	Bolt, Carriage (5/16-18 x 5/8")				(Note: Used With CM1250-HH to CM2000-HH Circuit Breaker Applications With 4 Wire Ground Fault)
38	870-0257	36	Nut, Locking (5/16-18)	50	332-3303	1	# Lug, Solderless
39	098-5854-06	3	Label, Marker (10 Characters Per Card) Marked ^a L ^o	51	332-2744-07	2	# Standoff, Insulated
40	098-5854-07	1	Label, Marker (10 Characters Per Card) Marked ^a 1 ^o	52	800-0048	2	# Screw, Cap - Hex Head (3/8-16 x 3/4")
41	098-5854-08	1	Label, Marker (10 Characters Per Card) Marked ^a 2 ^o	53	800-0053	3	# Screw, Cap - Hex Head (3/8-16 x 1-3/4")
42	098-5854-09	1	Label, Marker (10 Characters Per Card) Marked ^a 3 ^o	54	800-0051	2	# Screw, Cap - Hex Head (3/8-16 x 1-1/4")
43			Screw, Self-Locking - Hex Washer Head	55	862-0003	6	# Nut, Hex (3/8")
	821-0010	6	450 to 1200 Amp Breakers (1/4-20 x 1/2")	56	526-0030	22	# Washer, Flat (3/8")
	821-0030	6	CM1250-HH to CM2000-HH Breakers (3/8-16 x 1")	57	850-0050	13	# Washer, Lock - Spring (3/8")
				58	800-0055	6	# Screw, Cap - Hex Head (3/8-16 x 2-1/4")
44			Bar, Bus (T-Bar) (Includes Mounting Hardware)	59	338-3012	1	Harness, Wiring - Neutral Sensor to Circuit Breaker (2 Wire, 30") Used With CM1250-HH to CM2000-HH Circuit Breakers With 4 Wire Ground Fault
	337-2789	4	Sets With CM1250-HH and CM1600-HH Breakers				
	337-2789	1	Sets With CM2000-HH Breakers				
45			Screw				
	812-0157	4	Machine - Round Head - 450 to 600 Amp Breakers (1/4-20 x 1-3/4")	* - Parts Included In 300-4480-01 Neutral Bar Assembly			
	800-0031	4	Cap - Hex Head - 700 to 1200 Amp Breakers (5/16-18 x 1-1/2")	# - Parts Included In 337-2794 Neutral Bar Assembly			
	800-0033	4	Cap - Hex Head - CM1250-HH to CM2000-HH Breakers (5/16-18 x 2")				

Circuit Breaker
UL Listed
Model HC6 and HC7 Generators
DFGA, DFGB Spec G
DFGA Spec H

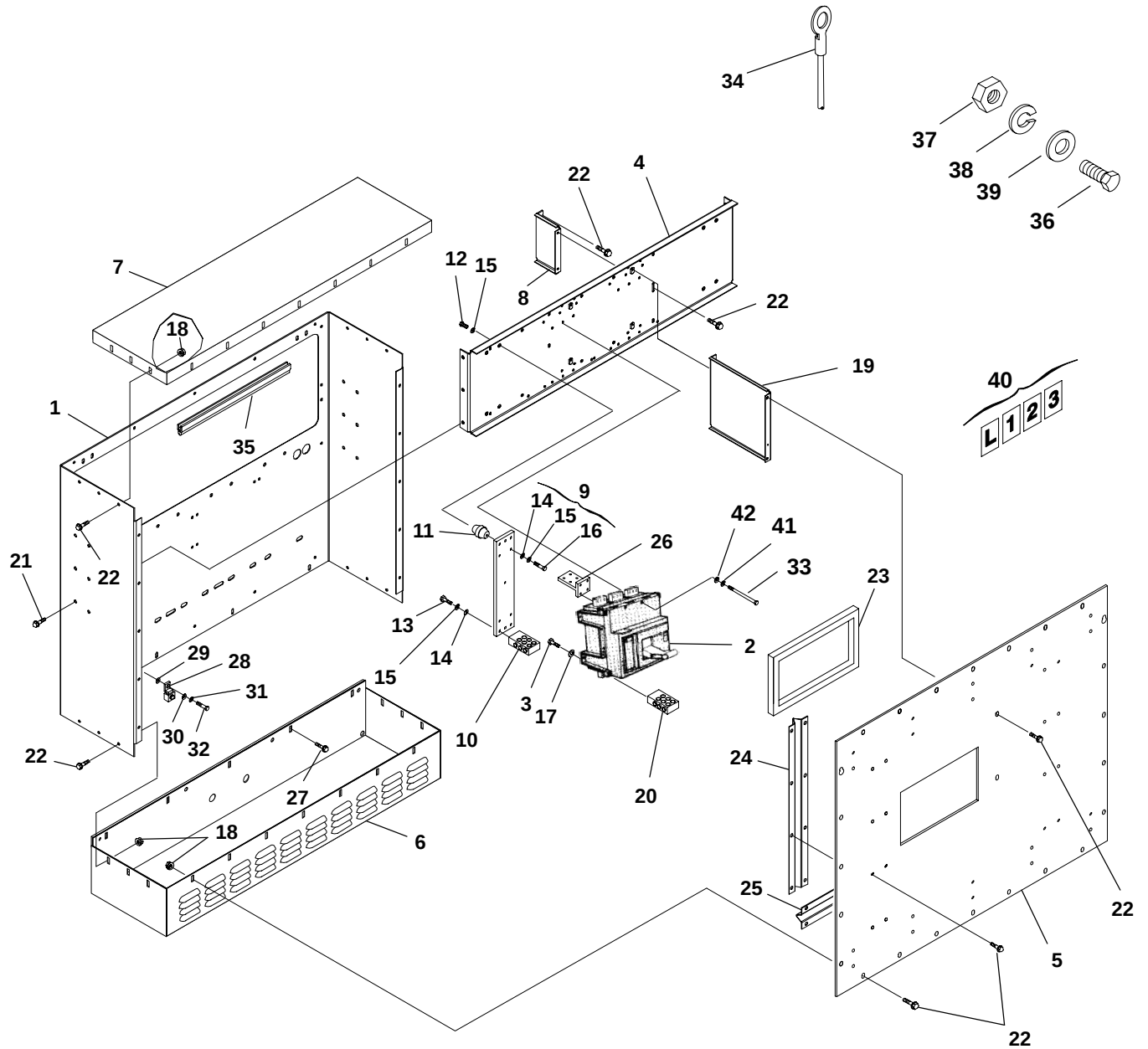


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**Circuit Breaker
UL Listed
Model HC6 and HC7 Generators
DFGA, DFGB Spec G
DFGA Spec H**

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

Circuit Breaker
UL Listed
Model HC6 and HC7 Generators
DFGA, DFGB Spec G
DFGA Spec H



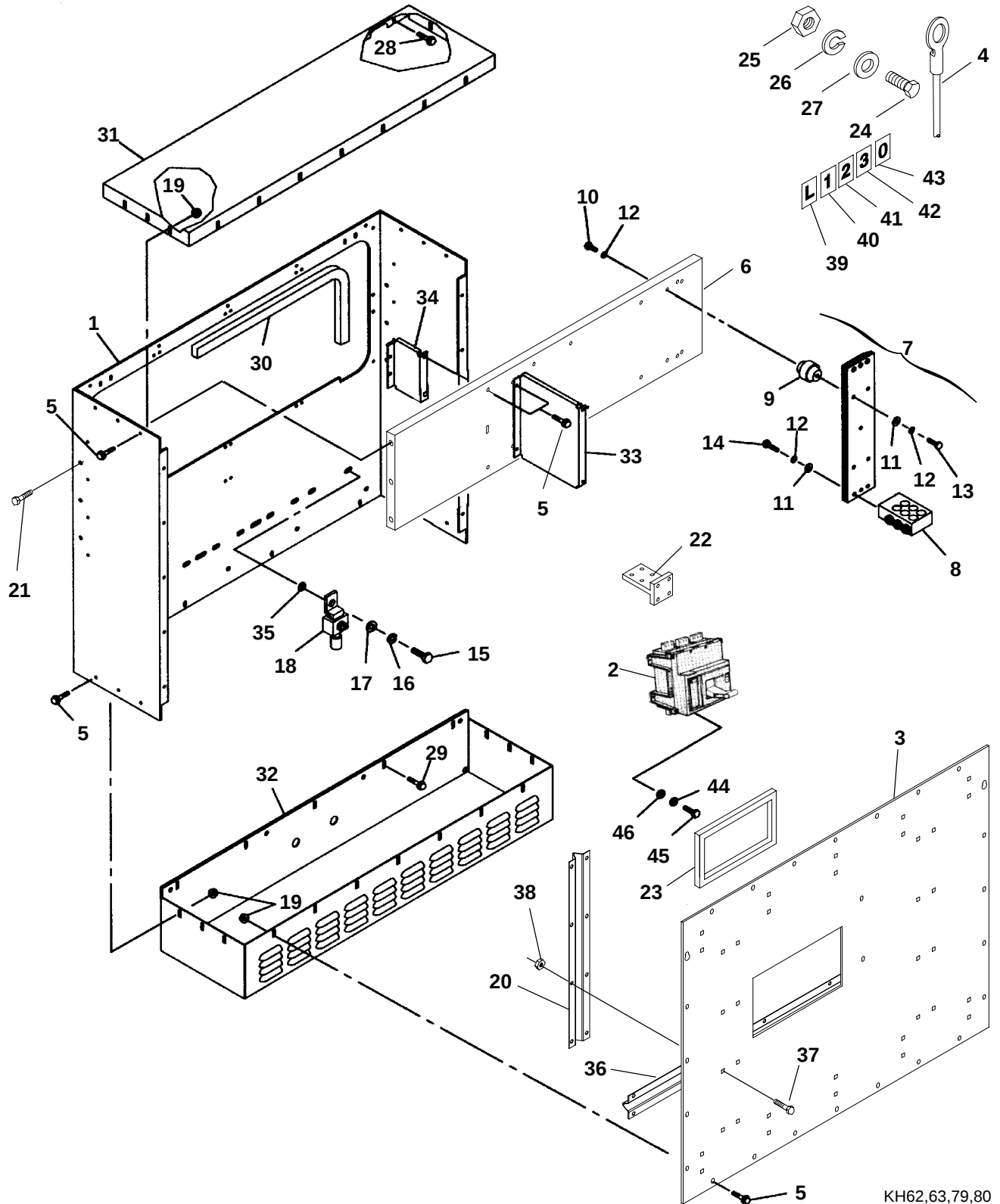
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**Circuit Breaker
UL Listed
Model HC6 and HC7 Generators
DFGA, DFGB Spec G
DFGA Spec H**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
Continued...							
33	800-2063	4	Screw, Cap - Hex Head (M8 x 50mm)	37	860-2010	1	Nut, Hex (M12)
34	226-4498-03	1	Lead - Circuit Breaker (Quantity Used As Required) 30° (Without Markings) (#1/0 Wire)	38	850-2012	1	Washer, Lock - Spring (M12)
35	508-1109	-	Edging - Bulk (Order By The Foot - 3 Feet Required) The following four hardware items are used to fasten the load leads to the generator and neutral bar. Quantity used as required.	39	526-2140	1	Washer, Flat (M12)
				40			Label, Marker (10 Characters Per Card) (Quantity Used As Required)
					098-5854-06	3	Marked ^a L°
					098-5854-07	1	Marked ^a 1°
					098-5854-08	1	Marked ^a 2°
					098-5854-09	1	Marked ^a 3°
				41	850-2008	4	Washer, Lock - Spring (M8)
36	800-2116	1	Screw, Cap - Hex Head (M12 x 50mm)	42	526-2100	4	Washer, Flat (M8)

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

**Circuit Breaker
IEC Conformity
Model HC6 and HC7 Generators
Spec C Through F**



KH62,63,79,80

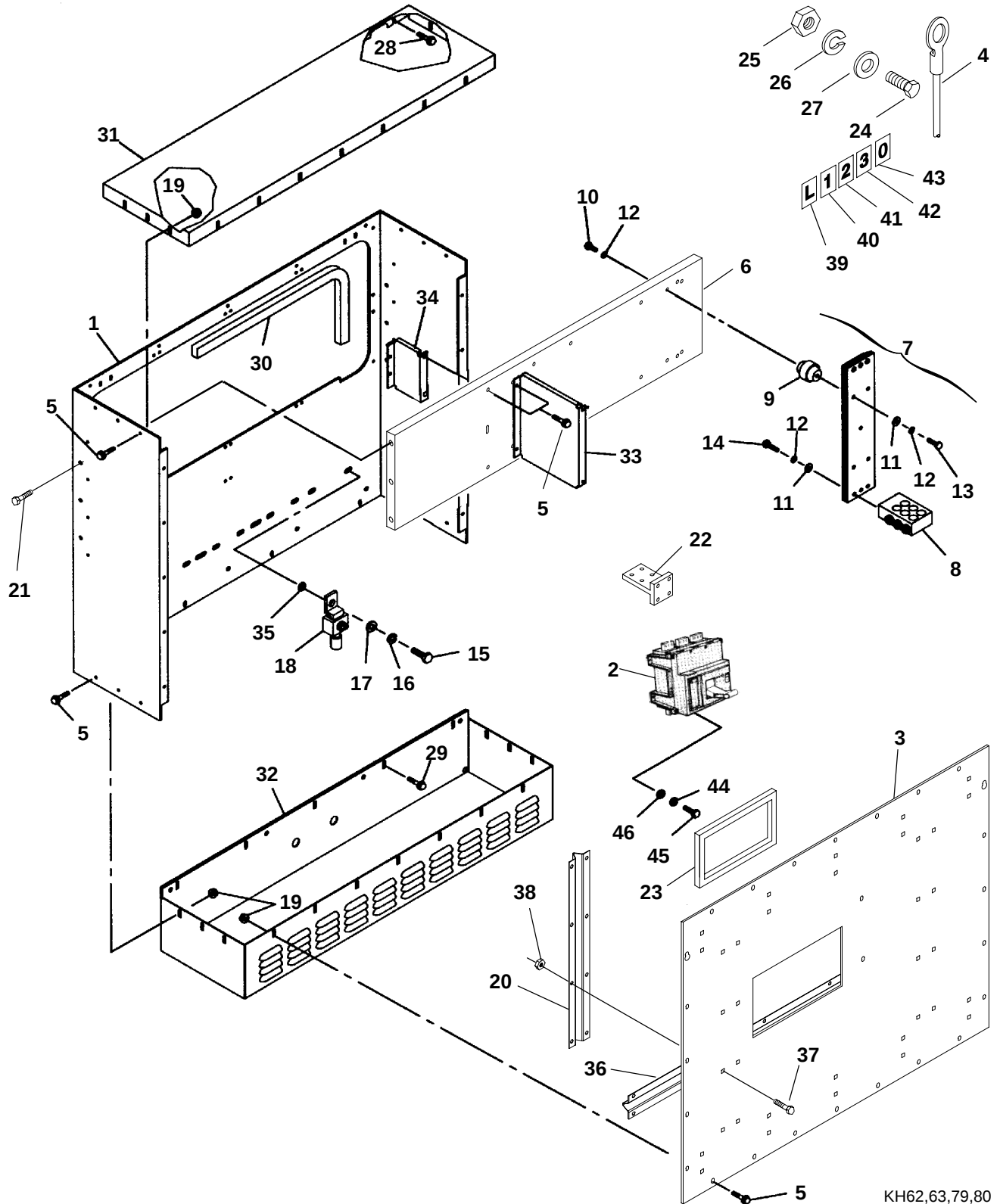
**Circuit Breaker
IEC Conformity
Model HC6 and HC7 Generators
Spec C Through F**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-1957	1	Box, Circuit Breaker	5	821-0010	44	Screw, Self-Locking - Hex Washer Head (1/4-20 x 1/2")
2			Breaker, Circuit (Includes Mounting Screws) (CB21)	6	319-1962	1	Bracket, Mounting - Circuit Breaker
			Three Pole Breakers	7	300-4480-01	1	Bar Assembly, Neutral (Includes Neutral Bars, Labels and Parts Marked *) (Used With 3 Pole Circuit Breakers)
			Standard				
	320-1699	1	Frame Size CM1600				
	320-1699-02	1	Frame Size CM2000				
			With 24 Volt Shunt Trip				
	320-1699-04	1	Frame Size CM1600	8	332-3303-01	1	* Lug, Solderless
	320-1699-06	1	Frame Size CM2000	9	332-2744-07	4	* Standoff, Insulator
			With Auxiliary Contacts, Bell Alarm and 24 Volt Shunt Trip	10	800-0048	4	* Screw, Cap - Hex Head (3/8-16 x 3/4")
				11	526-2120	7	* Washer, Flat (M10)
				12	850-2010	11	* Washer, Lock - Spring (M10)
				13	800-0052	4	* Screw, Cap - Hex Head (3/8-16 x 1-1/2")
	320-1699-08	1	Frame Size CM1600	14	800-2089	3	* Screw, Cap - Hex Head (M10 x 40mm)
	320-1699-10	1	Frame Size CM2000	15	800-0050	1	Screw, Cap - Hex Head (3/8-16 x 1")
			Four Pole Breakers	16	850-0050	1	Washer, Lock - Spring (3/8")
			Standard	17	526-0029	2	Washer, Flat (3/8")
	320-1699-21	1	Frame Size CM1600	18	332-2001	1	Lug, Solderless
	320-1699-23	1	Frame Size CM2000	19	870-0494	26	Nut, Self-Retaining - Floating (1/4-20)
			With 24 Volt Shunt Trip	20			Brace, Cover (Vertical)
	320-1699-25	1	Frame Size CM1600		319-2398	2	Sets With 3 Pole Circuit Breakers
	320-1699-27	1	Frame Size CM2000		319-2398	1	Sets With 4 Pole Circuit Breakers
			With Auxiliary Contacts, Bell Alarm and 24 Volt Shunt Trip	21	821-0030	6	Screw, Self-Locking - Hex Washer Head (3/8-16 x 1")
				22			Bar, Bus (T-Bar) (Includes Mounting Hardware)
	320-1699-29	1	Frame Size CM1600		337-2789	4	Sets With Frame Size CM1600 Circuit Breakers
	320-1699-31	1	Frame Size CM2000		337-2789	1	Sets With Frame Size CM2000 Circuit Breakers
3			Cover, Circuit Breaker				
	319-1959-01	1	Sets With 3 Pole Breaker Mounted On Left Or Right Side When Facing Control				
	319-1959-01	1	Sets With 4 Pole Breaker Mounted On Left Side When Facing Control				
	319-1959-02	1	Sets With 4 Pole Breaker Mounted On Right Side When Facing Control				
4	226-4498-03	1	Lead - Circuit Breaker (Quantity Used As Required) 30° (Without Markings) (#1/0 Wire)				

Continued...

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

**Circuit Breaker
IEC Conformity
Model HC6 and HC7 Generators
Spec C Through F**

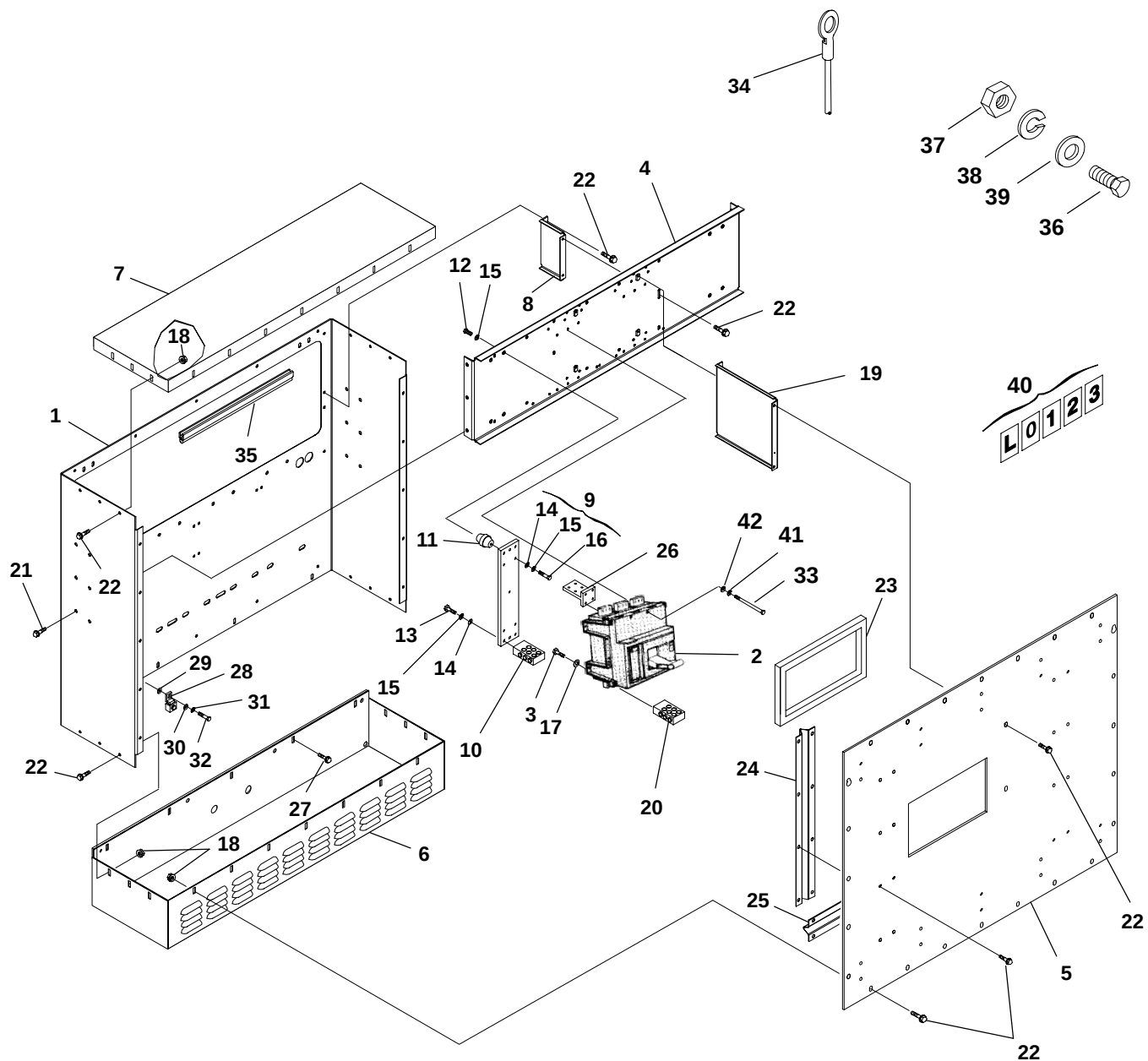


KH62,63,79,80

**Circuit Breaker
IEC Conformity
Model HC6 and HC7 Generators
Spec C Through F**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
Continued...							
23			Stripping, Weather - Bulk (Order By The Foot)	38			Nut, Locking (5/16-18)
	895-0182	-	Sets With 3 Pole Circuit Breakers (4 Feet Required)		870-0257	36	Sets With 3 Pole Breaker Mounted On Left Or Right Side When Facing Control
	895-0182	-	Sets With 4 Pole Circuit Breakers (6 Feet Required)		870-0257	36	Sets With 4 Pole Breaker Mounted On Left Side When Facing Control
			The following four hardware items are used to fasten the load leads to the generator. Quantity used as required.		870-0257	28	Sets With 4 Pole Breaker Mounted On Right Side When Facing Control
				39			Label, Marker (10 Characters Per Card) Marked ^a L ^o
24	800-0094	1	Screw, Cap - Hex Head (1/2-13 x 2 ^o)		098-5854-06	3	3 Pole Breakers
25	862-0005	1	Nut, Hex (1/2-13)		098-5854-06	4	4 Pole Breakers
26	850-0060	1	Washer, Lock - Spring (1/2 ^o)	40	098-5854-07	1	Label, Marker (10 Characters Per Card) Marked ^a 1 ^o
27	526-0219	1	Washer, Flat (1/2 ^o)	41	098-5854-08	1	Label, Marker (10 Characters Per Card) Marked ^a 2 ^o
28	821-0018	5	Screw, Self-Locking - Hex Washer Head (1/4-20 x 5/8 ^o)	42	098-5854-09	1	Label, Marker (10 Characters Per Card) Marked ^a 3 ^o
29	821-0011	5	Screw, Self-Locking - Hex Washer Head (1/4-20 x 7/8 ^o)	43	098-5854-10	1	Label, Marker (10 Characters Per Card) Marked ^a 0 ^o (4 Pole Breakers)
30	508-1109	-	Edging - Bulk (Order By The Foot - 3 Feet Required)	44	850-0045	4	Washer, Lock - Spring (5/16 ^o)
31	319-1961	1	Panel - Top	45	800-0033	4	Screw, Cap - Hex Head (5/16-18 x 2 ^o)
32	319-1925	1	Panel - Bottom	46	526-0115	4	Washer, Flat (5/16 ^o)
33	319-1926-02	1	Brace, Cover				
34	319-2316-02	1	Brace, Mounting - Circuit Breaker Bracket				
35	856-0010	1	Washer, Lock - EIT (3/8 ^o)	* - Parts Included In 300-4480-01 Neutral Bar Assembly			
36	319-2399	2	Brace, Cover (Horizontal)				
37			Bolt, Carriage (5/16-18 x 5/8 ^o)				
	816-0098	36	Sets With 3 Pole Breaker Mounted On Left Or Right Side When Facing Control				
	816-0098	36	Sets With 4 Pole Breaker Mounted On Left Side When Facing Control				
	816-0098	28	Sets With 4 Pole Breaker Mounted On Right Side When Facing Control				

**Circuit Breaker
IEC Conformity
Model HC6 and HC7 Generators
Begin Spec G**



KH62,63,79,80

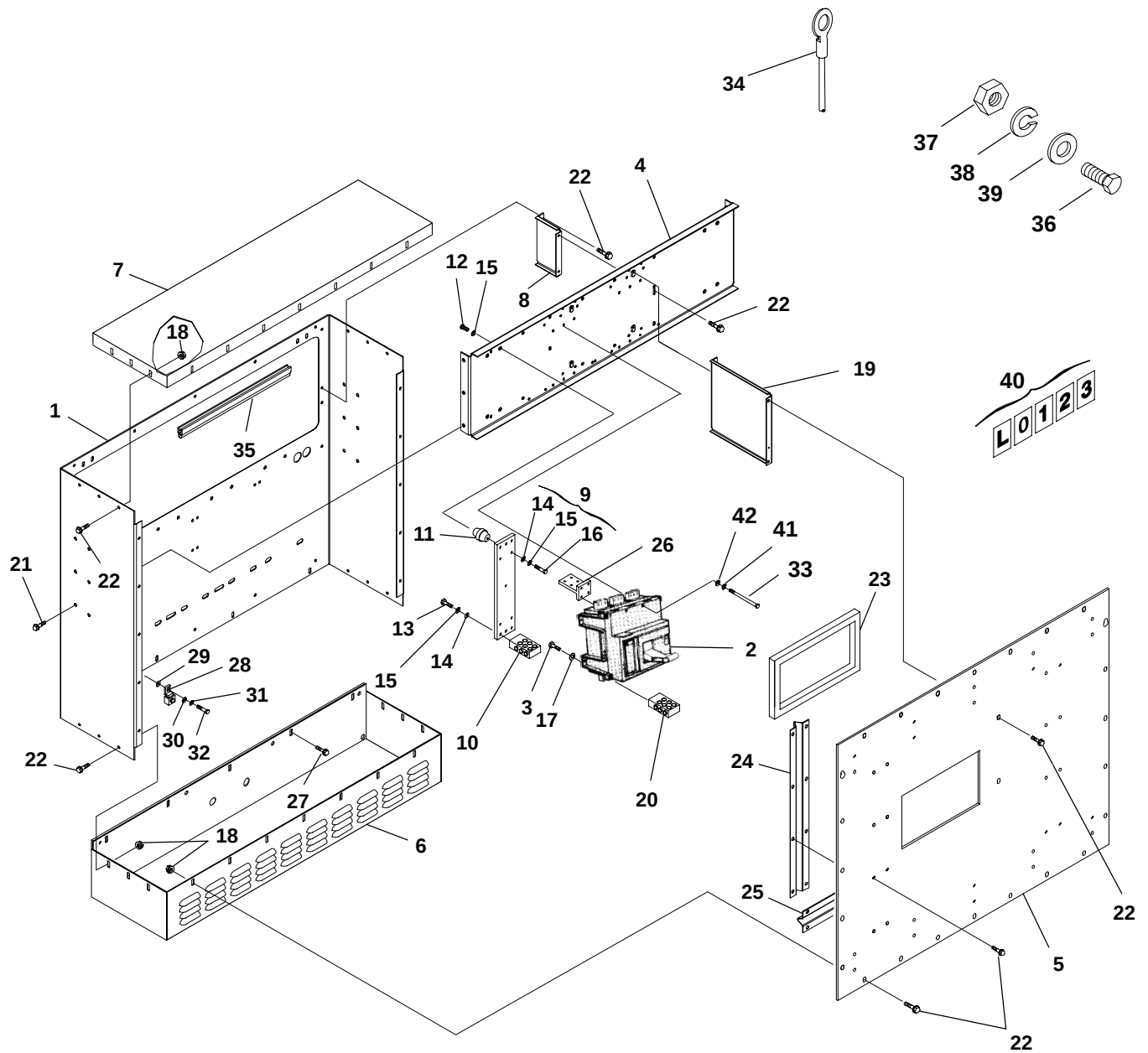
**Circuit Breaker
IEC Conformity
Model HC6 and HC7 Generators
Begin Spec G**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3184	1	Box, Circuit Breaker	9	300-4480-01	1	Bar Assembly, Neutral
2			Breaker, Circuit (Includes Mounting Screws) (CB21)				(Includes Neutral Bars, Labels and Parts Marked *)
			Three Pole Breakers				(Used With 3 Pole Circuit Breakers)
			Standard				
	320-1699	1	Frame Size CM1600	10	332-3303-01	1	* Lug, Solderless
	320-1699-02	1	Frame Size CM2000	11	332-2744-07	4	* Standoff, Insulator
			With 24 Volt Shunt Trip	12	800-0048	4	* Screw, Cap - Hex Head (3/8-16 x 3/4")
	320-1699-04	1	Frame Size CM1600	13	800-2089	3	* Screw, Cap - Hex Head (M10 x 40mm)
	320-1699-06	1	Frame Size CM2000	14	526-2120	7	* Washer, Flat (M10)
			With Auxiliary Contacts, Bell Alarm and 24 Volt Shunt Trip	15	850-2010	11	* Washer, Lock - Spring (M10)
				16	800-0052	4	* Screw, Cap - Hex Head (3/8-16 x 1-1/2")
	320-1699-08	1	Frame Size CM1600	17	850-2010	9	Washer, Lock - Spring (M10)
	320-1699-10	1	Frame Size CM2000		850-2010	12	Sets With 3 Pole Circuit Breakers
			Four Pole Breakers				Sets With 4 Pole Circuit Breakers
			Standard	18	870-0504	26	Nut, Self-Retaining (M6)
	320-1699-21	1	Frame Size CM1600	19	319-3252-02	1	Brace, Cover
	320-1699-23	1	Frame Size CM2000	20	332-3303-01	3	Lug, Solderless
			With 24 Volt Shunt Trip		332-3303-01	4	Sets With 3 Pole Circuit Breakers
	320-1699-25	1	Frame Size CM1600		332-3303-01	4	Sets With 4 Pole Circuit Breakers
	320-1699-27	1	Frame Size CM2000	21	821-6003-02	6	Screw, Self-Locking - Hex Washer Head (M8 x 20mm)
			With Auxiliary Contacts, Bell Alarm and 24 Volt Shunt Trip	22	821-6002-03	89	Screw, Self-Locking - Hex Washer Head (M6 x 16mm)
					821-6002-03	81	Sets With 3 Pole Circuit Breakers
	320-1699-29	1	Frame Size CM1600		821-6002-03	81	Sets With 4 Pole Circuit Breakers
	320-1699-31	1	Frame Size CM2000	23	895-0182	-	Stripping, Weather - Bulk (Order By The Foot)
3			Screw, Cap - Hex Head (M10 x 40mm)		895-0182	-	Sets With 3 Pole Circuit Breakers (4 Feet Required)
	800-2089	9	Sets With 3 Pole Circuit Breakers				Sets With 4 Pole Circuit Breakers (6 Feet Required)
	800-2089	12	Sets With 4 Pole Circuit Breakers				
4	319-3153	1	Bracket, Mounting				
5			Cover, Circuit Breaker				
	319-3266-01	1	Sets With 3 Pole Circuit Breakers				
	319-3266-02	1	Sets With 4 Pole Circuit Breakers				
6	319-1925	1	Panel - Bottom				
7	319-1961	1	Panel - Top				
8	319-3253-02	1	Brace, Mounting - Circuit Breaker				

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

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**Circuit Breaker
IEC Conformity
Model HC6 and HC7 Generators
Begin Spec G**

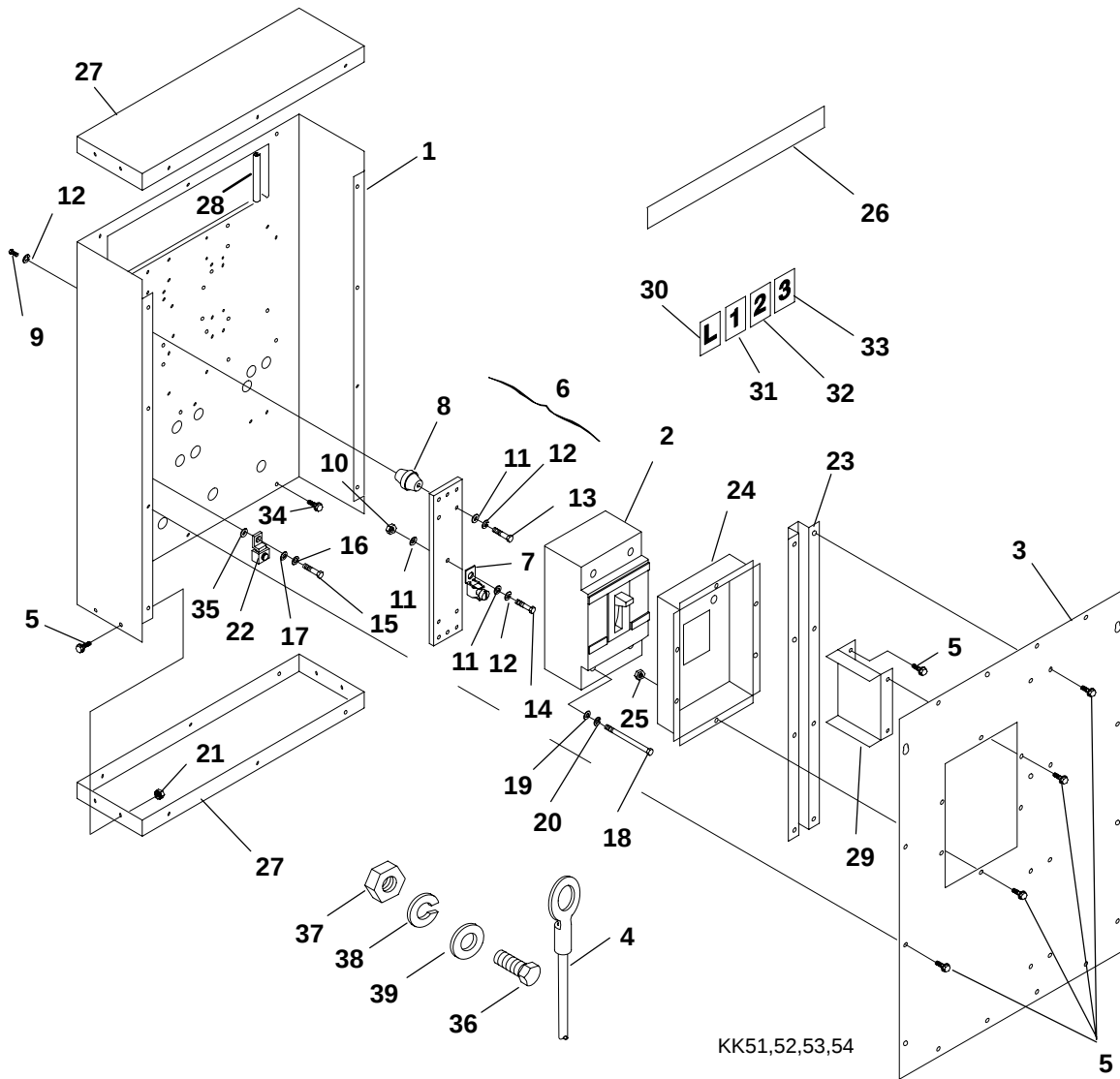


KH62,63,79,80

**Circuit Breaker
IEC Conformity
Model HC6 and HC7 Generators
Begin Spec G**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
Continued...							
24	319-3286	2	Brace, Cover (Vertical) Sets With 3 Pole Circuit Breakers	The following four hardware items are used to fasten the load leads to the generator. Quantity used as required. 36 800-2116 1 Screw, Cap - Hex Head (M12 x 50mm) 37 860-2010 1 Nut, Hex (M12) 38 850-2012 1 Washer, Lock - Spring (M12) 39 526-2140 1 Washer, Flat (M12) 40 Label, Marker (10 Characters Per Card) (Quantity Used As Required) Marked ^a L ^o			
	319-3286	1	Sets With 4 Pole Circuit Breakers				
25	319-3288	2	Brace, Cover (Horizontal)				
26			Bar, Bus (T-Bar) (Includes Mounting Hardware)				
	337-2789	4	Sets With Frame Size CM1600 Circuit Breakers				
	337-2789	1	Sets With Frame Size CM2000 Circuit Breakers				
27	821-2035	5	Screw, Self-Locking - Hex Washer Head (M6 x 25mm)	098-5854-06	3		Sets With 3 Pole Circuit Breakers
28	332-2001	1	Lug, Solderless	098-5854-06	4		Sets With 4 Pole Circuit Breakers
29	856-0010	1	Washer, Lock - EIT (3/8")				
30	526-2120	1	Washer, Flat (M10)	098-5854-07	1		Marked ^a 1 ^o
31	850-2010	1	Washer, Lock - Spring (M10)	098-5854-08	1		Marked ^a 2 ^o
32	800-2086	1	Screw, Cap - Hex Head (M10 x 25mm)	098-5854-09	1		Marked ^a 3 ^o
33	800-2063	4	Screw, Cap - Hex Head (M8 x 50mm)	098-5854-10	1		Marked ^a 0 ^o (Sets With 4 Pole Circuit Breakers)
34	226-4498-03	1	Lead - Circuit Breaker (Quantity Used As Required) 30 ^o (Without Markings) (#1/0 Wire)	41 850-2008	4		Washer, Lock - Spring (M8)
				42 526-2100	4		Washer, Flat (M8)
35	508-1109	-	Edging - Bulk (Order By The Foot - 3 Feet Required)	* - Parts Included In 300-4480-01 Neutral Bar Assembly			

**Disconnect Switch
Molded Case
UL Listed
Model HC5 Generators
Spec E and F**

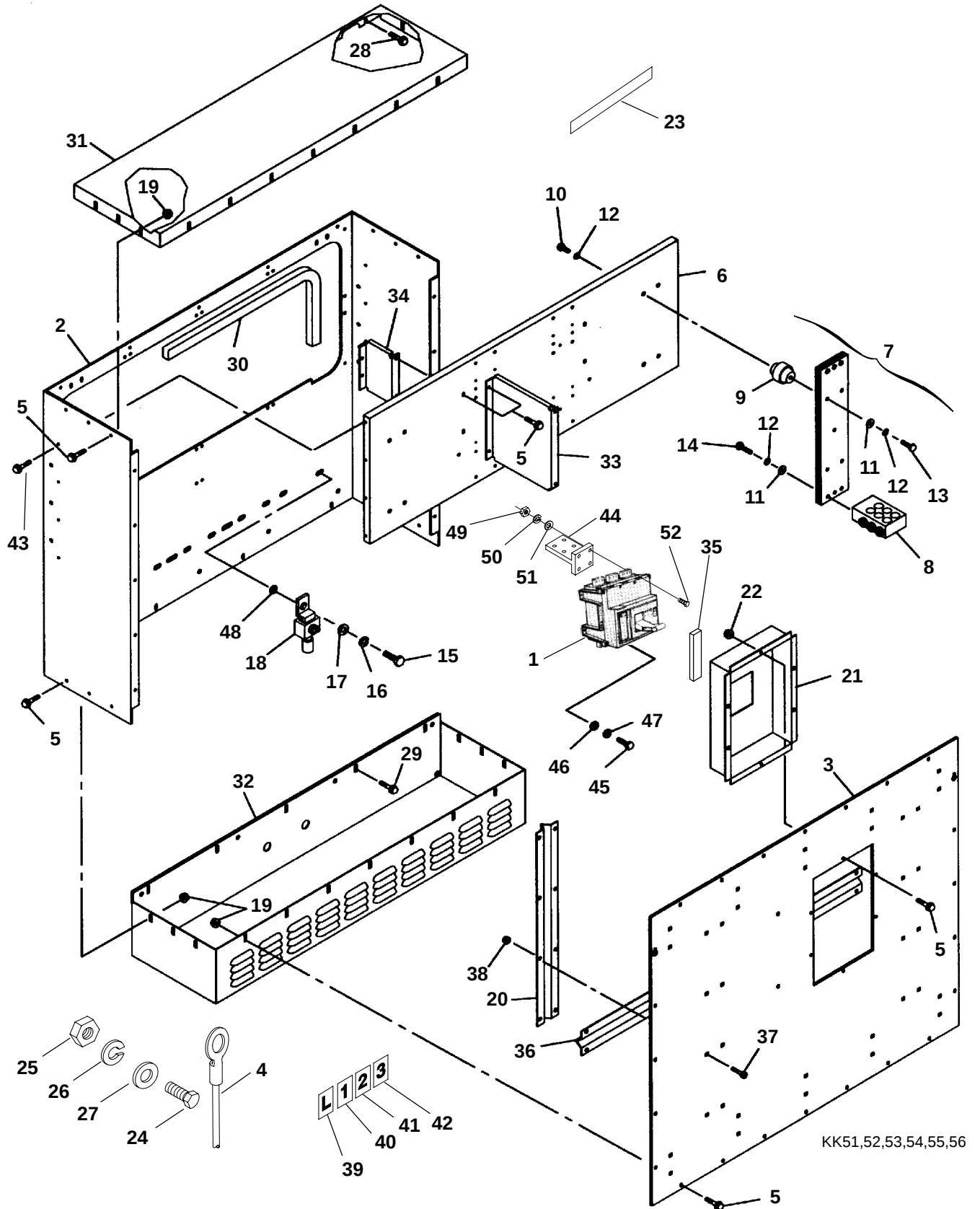


**Disconnect Switch
Molded Case
UL Listed
Model HC5 Generators
Spec E and F**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-2432	1	Box, Disconnect Switch	20			Washer, Lock - Spring
2			Switch, Disconnect - 3 Pole (Includes Line and Load Lugs) (CB21)	850-0040	4		1/4" - 600 Amp Switches
				850-0045	4		5/16" - 800 to 1200 Amp Switches
	320-1906-18	1	600 Amp	21	870-0494	16	Nut, Self-Retaining (1/4-20)
	320-1906-19	1	800 Amp	22	332-2001	1	Lug, Solderless
	320-1906-20	1	1000 Amp	23	319-1918	1	Brace, Cover
	320-1906-21	1	1200 Amp	24			Cup, Disconnect Switch
3	319-1917	1	Cover	319-2431-13	1		Opening Recessed 4-7/8" (600 Amp Switches)
4			Lead, Disconnect Switch (Quantity Used As Required) 39" (Without Markings) (#1/0 Wire)	319-2431-14	1		Opening Recessed 3-1/2" (800 to 1200 Amp Switches)
	226-4406-03	1	1/2" Ring Terminal End to 1" Stripped End	25	870-0212	6	Nut, Locking (1/4-20)
	226-4406-04	1	1/2" Ring Terminal End to 1/2" Ring Terminal End	26	091-0002	1	Strip, Copper (Used for wrapping end of leads before securing to disconnect switches) (Quantity Used As Required)
5	821-0010	40	Screw, Self-Locking - Hex Washer Head (1/4-20 x 1/2")	27	319-1915	2	Panel
6	300-4318-01	1	Bar Assembly, Neutral (Includes Parts Marked *)	28	508-1092	-	Edging - Bulk (Order By The Foot - 3 Feet Required)
7	332-2001	3	*Lug, Solderless	29	319-1927	1	Brace, Cover
8	332-2744-07	2	*Standoff, Insulator	30	098-5854-06	3	Label, Marker (10 Characters Per Card) Marked 1°
9	800-0048	2	*Screw, Cap - Hex Head (3/8-16 x 3/4")	31	098-5854-07	1	Label, Marker (10 Characters Per Card) Marked 1°
10	862-0003	3	*Nut, Hex (3/8")	32	098-5854-08	1	Label, Marker (10 Characters Per Card) Marked 2°
11	526-0029	8	*Washer, Flat (3/8")	33	098-5854-09	1	Label, Marker (10 Characters Per Card) Marked 3°
12	850-0050	7	*Washer, Lock - Spring (3/8")	34	821-0018	5	Screw, Self-Locking - Hex Washer Head (1/4-20 x 5/8")
13	800-0051	2	*Screw, Cap - Hex Head (3/8-16 x 1-1/4")	35	856-0010	1	Washer, Lock - EIT (3/8")
14	800-0052	3	*Screw, Cap - Hex Head (3/8-16 x 1-1/2")				The following four hardware items are used to fasten the load leads to the generator and neutral bar. Quantity used as required.
15	800-0050	1	Screw, Cap - Hex Head (3/8-16 x 1")	36	800-0094	1	Screw, Cap - Hex Head (1/2-13 x 2")
16	850-0050	1	Washer, Lock - Spring (3/8")	37	862-0005	1	Nut, Hex (1/2-13)
17	526-0029	1	Washer, Flat (3/8")	38	850-0060	1	Washer, Lock - Spring (1/2")
18			Screw	39	526-0219	1	Washer, Flat (1/2")
	812-0157	4	Machine - Round Head (1/4-20 x 1-3/4") 600 Amp Switches				
	800-0031	4	Cap - Hex Head (5/16-18 x 1-1/2") 800 to 1200 Amp Switches				
19			Washer, Flat				
	526-0108	4	1/4" - 600 Amp Switches				
	526-0115	4	5/16" - 800 to 1200 Amp Switches				

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

**Disconnect Switch
Molded Case
UL Listed
Model HC6 and HC7 Generators
Spec E and F**

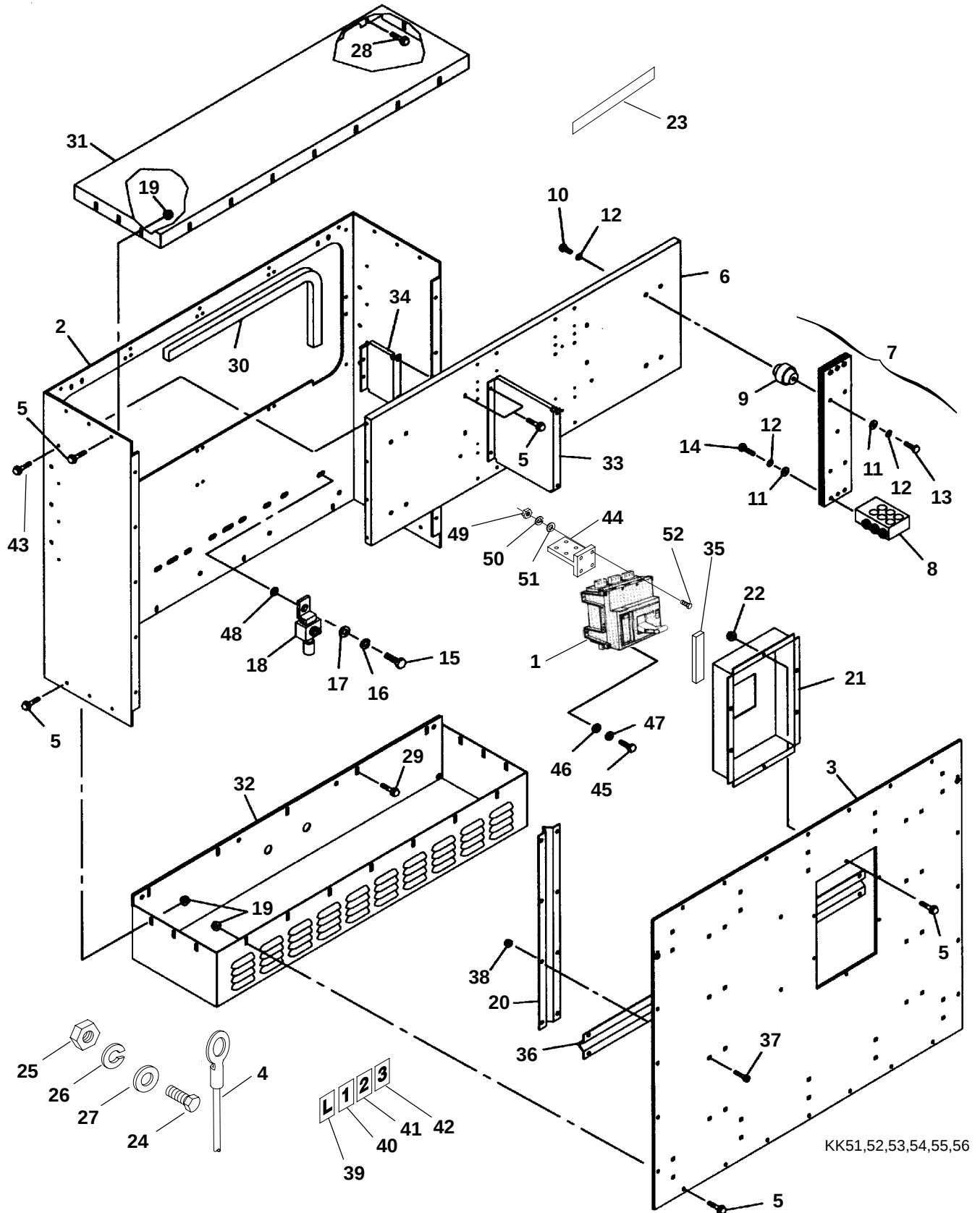


**Disconnect Switch
Molded Case
UL Listed
Model HC6 and HC7 Generators
Spec E and F**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Switch, Disconnect - 3 Pole (Includes Lugs for 600 to 1200 Amp Switches) (CB21)	14	800-2089	3	* Screw, Cap - Hex Head (M10 x 40mm)
	320-1906-18	1	600 Amp	15	800-0050	1	Screw, Cap - Hex Head (3/8-16 x 1")
	320-1906-19	1	800 Amp	16	850-0050	1	Washer, Lock - Spring (3/8")
	320-1906-20	1	1000 Amp	17			Washer, Flat (3/8")
	320-1906-21	1	1200 Amp		526-0029	4	600 to 1200 Amp Switches
	320-1907-01	1	1600 Amp		526-0029	2	1600, 2000 Amp Switches
	320-1907-02	1	2000 Amp	18	332-2001	1	Lug, Solderless
2	319-1957	1	Box, Disconnect Switch	19	870-0494	26	Nut, Self-Retaining - Floating (1/4-20)
3			Cover, Disconnect Switch	20	319-2398	2	Brace, Cover (Vertical)
	319-1964	1	600 to 1200 Amp Switches	21			Cup, Disconnect Switch - 600 to 1200 Amp Switches
	319-1959-01	1	1600, 2000 Amp Switches				Opening Recessed 2-7/8" - 800 to 1200 Amp Switches
4			Lead - Disconnect Switch (Quantity Used As Required) (Without Markings) (#1/0 Wire) 600 to 1200 Amp Switches (39")		319-2431-18	1	Opening Recessed 4-5/16" - 600 Amp Switches
	226-4406-03	1	1/2" Ring Terminal End to 1" Stripped End	22	870-0212	6	Nut, Locking (1/4-20) 600 to 1200 Amp Switches
	226-4406-04	1	1/2" Ring Terminal End to 1/2" Ring Terminal End	23	091-0002	1	Strip, Copper (Used for wrapping ends of leads before securing to disconnect switches and neutral bar lug) (Quantity Used As Required) 600 to 1200 Amp Switches
	226-4498-03	1	1600, 2000 Amp Switches - 1/2" Ring Terminal End to 1/2" Ring Terminal End (30")				The following four hardware items are used to fasten the load leads to the generator and neutral bar. Quantity used as required.
5			Screw, Self-Locking - Hex Washer Head (1/4-20 x 1/2")				
	821-0010	52	600 to 1200 Amp Switches	24	800-0094	1	Screw, Cap - Hex Head (1/2-13 x 2")
	821-0010	44	1600, 2000 Amp Switches	25	862-0005	1	Nut, Hex (1/2-13)
6			Bracket, Mounting - Disconnect Switch	26	850-0060	1	Washer, Lock - Spring (1/2")
	319-1963	1	600 to 1200 Amp Switches	27	526-0219	1	Washer, Flat (1/2")
	319-1962	1	1600, 2000 Amp Switches	28	821-0018	5	Screw, Self-Locking - Hex Washer Head (1/4-20 x 5/8")
7	300-4480-01	1	Bar Assembly, Neutral (Includes Neutral Bars, Labels and Parts Marked *)	* - Parts Included In 300-4480-01 Neutral Bar Assembly			
8	332-3303-01	1	* Lug, Solderless				
9	332-2744-07	4	* Standoff, Insulator				
10	800-0048	4	* Screw, Cap - Hex Head (3/8-16 x 3/4")				
11	526-2120	7	* Washer, Flat (M10)				
12	850-2010	11	* Washer, Lock - Spring (M10)				
13	800-0052	4	* Screw, Cap - Hex Head (3/8-16 x 1-1/2")				

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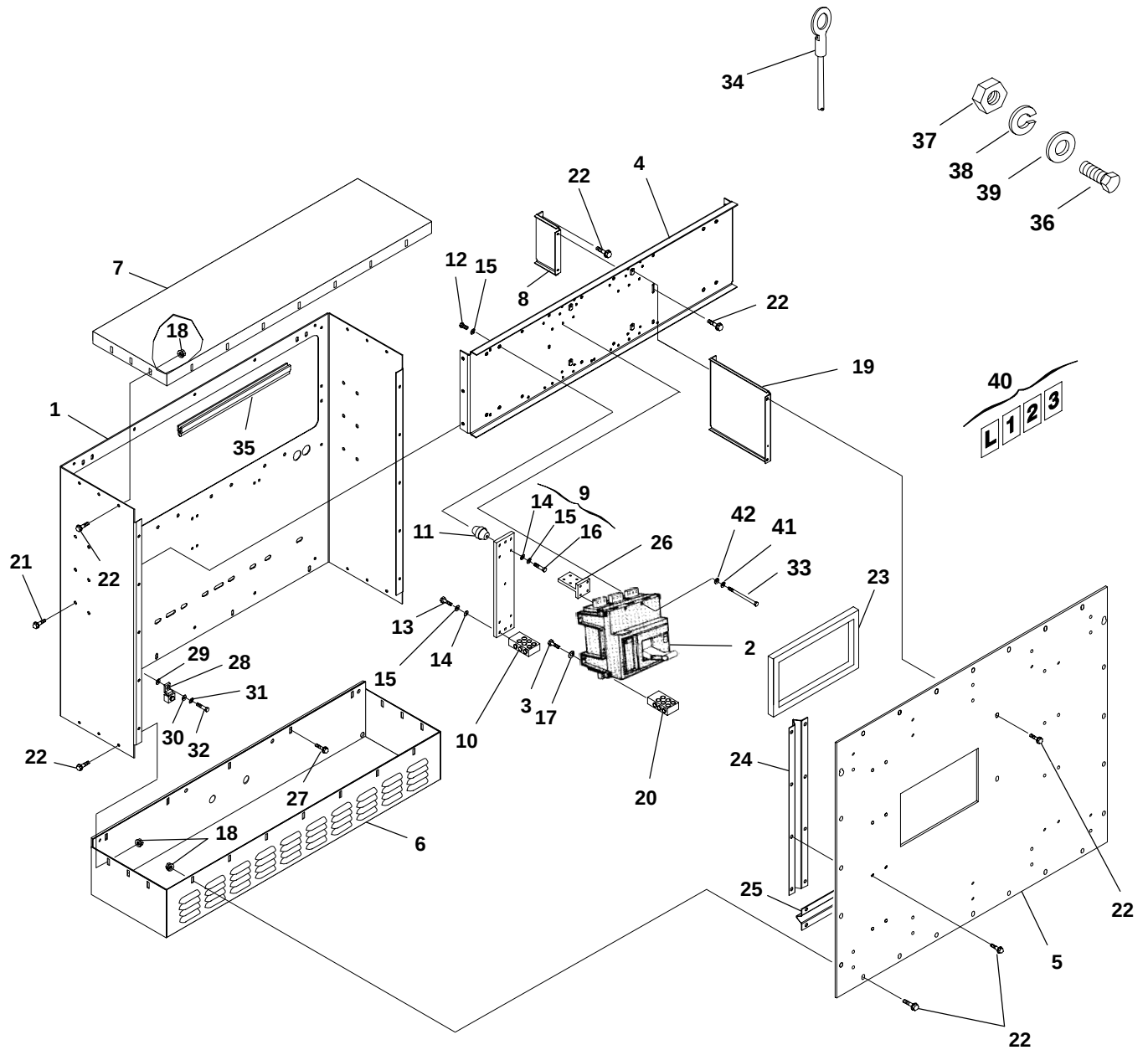
**Disconnect Switch
Molded Case
UL Listed
Model HC6 and HC7 Generators
Spec E and F**



**Disconnect Switch
Molded Case
UL Listed
Model HC6 and HC7 Generators
Spec E and F**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
Continued...							
29	821-0011	5	Screw, Self-Locking - Hex Washer Head (1/4-20 x 7/8 ⁹)	44			Bar, Bus (T-Bar) (Includes Mounting Hardware) 1600, 2000 Amp Switches
30	508-1109	-	Edging - Bulk (Order By The Foot - 3 Feet Required)	337-2789	4		Sets With 1600 Amp Switches
31	319-1961	1	Panel - Top	337-2789	1		Sets With 2000 Amp Switches
32	319-1925	1	Panel - Bottom				
33			Brace, Cover	45			Screw
	319-1926-01	1	600 to 1200 Amp Switches	812-0157	4		Machine - Round Head - 600 Amp Switches (1/4-20 x 1-3/4 ⁹)
	319-1926-02	1	1600, 2000 Amp Switches				
34			Brace, Mounting Bracket - Disconnect Switch	800-0031	4		Cap - Hex Head - 800 to 1200 Amp Switches (5/16-18 x 1-1/2 ⁹)
	319-2316-01	1	600 to 1200 Amp Switches				
	319-2316-02	1	1600, 2000 Amp Switches	800-0033	4		Cap - Hex Head - 1600, 2000 Amp Switches (5/16-18 x 2 ⁹)
35			Stripping, Weather - Bulk (Order By The Foot)	46			Washer, Flat
	895-0182	-	600 to 1200 Amp Switches (1 Foot Required)	526-0108	4		600 Amp Switches (1/4 ⁹)
				526-0115	4		800 to 2000 Amp Switches (5/16 ⁹)
	895-0182	-	1600, 2000 Amp Switches (4 Feet Required)	47			Washer, Lock - Spring
				850-0040	4		600 Amp Switches (1/4 ⁹)
36	319-2399	2	Brace, Cover (Horizontal)	850-0045	4		800 to 2000 Amp Switches (5/16 ⁹)
37	816-0098	36	Bolt, Carriage (5/16-18 x 5/8 ⁹)	48	856-0010	1	Washer, Lock - EIT (3/8 ⁹)
38	870-0257	36	Nut, Locking (5/16-18)	49	862-0003	12	Nut, Hex (3/8 ⁹) 1600, 2000 Amp Switches
39	098-5854-06	3	Label, Marker (10 Characters Per Card) Marked ^a L ^o	50	850-0050	25	Washer, Lock - Spring (3/8 ⁹) 1600, 2000 Amp Switches
40	098-5854-07	1	Label, Marker (10 Characters Per Card) Marked ^a 1 ^o	51	526-0029	36	Washer, Flat (3/8 ⁹) 1600, 2000 Amp Switches
41	098-5854-08	1	Label, Marker (10 Characters Per Card) Marked ^a 2 ^o	52	800-0054	13	Screw, Cap - Hex Head (3/8-16 x 2 ⁹) 1600, 2000 Amp Switches
42	098-5854-09	1	Label, Marker (10 Characters Per Card) Marked ^a 3 ^o				
43			Screw, Self-Locking - Hex Washer Head				
	821-0010	6	600 to 1200 Amp Switches (1/4-20 x 1/2 ⁹)	* - Parts Included In 300-4480-01 Neutral Bar Assembly			
	821-0030	6	1600, 2000 Amp Switches (3/8-16 x 1 ⁹)				

**Disconnect Switch
Molded Case
UL Listed
Model HC6 and HC7 Generators
Begin Spec G**



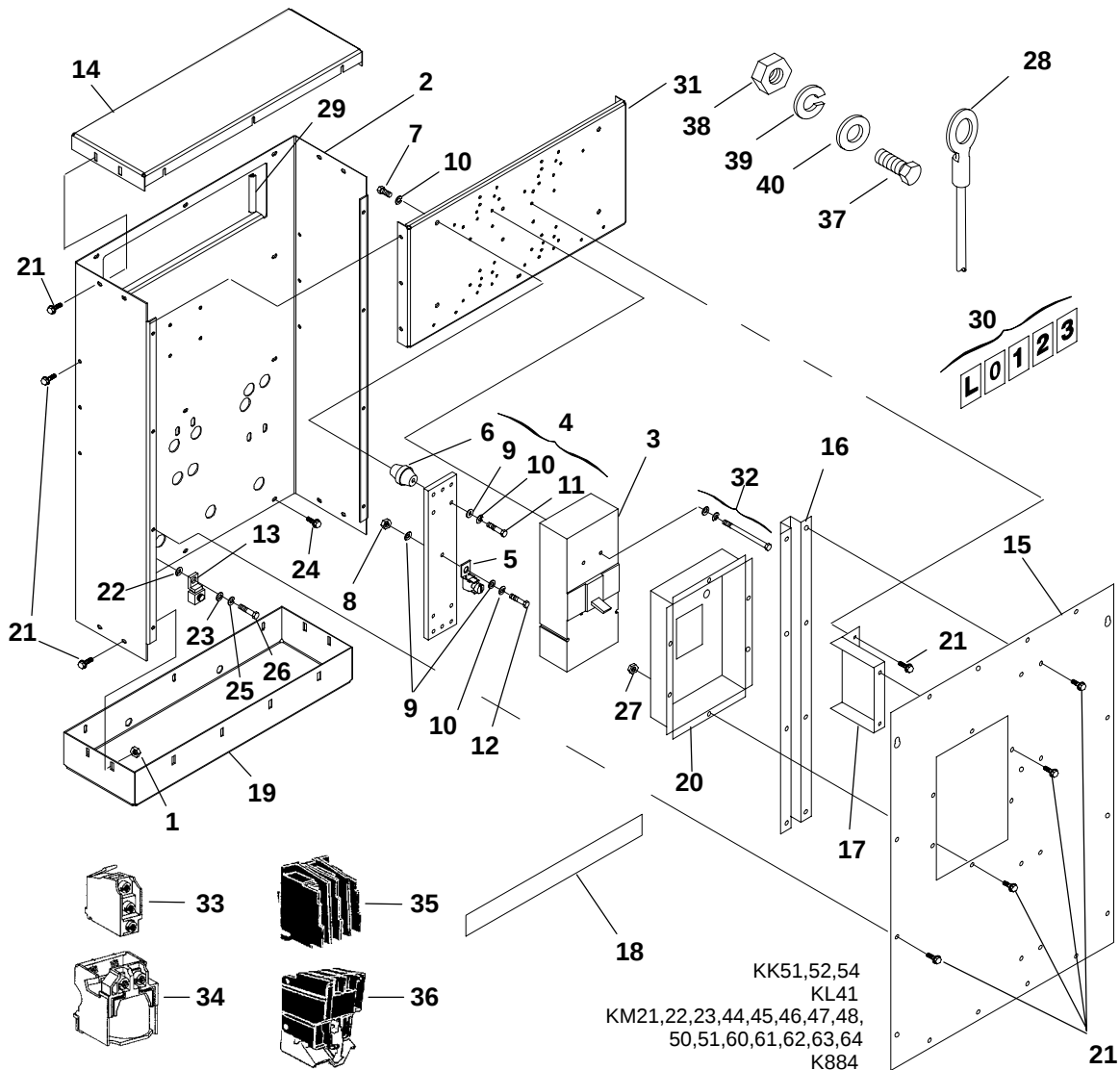
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**Disconnect Switch
Molded Case
UL Listed
Model HC6 and HC7 Generators
Begin Spec G**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3184	1	Box, Disconnect Switch	27	821-2035	5	Screw, Self-Locking - Hex
2			Switch, Disconnect - 3 Pole				Washer Head (M6 x 25mm)
			(Includes Mounting	28	332-2001	1	Lug, Solderless
			Screws) (CB21)	29	856-0010	1	Washer, Lock - EIT (3/8")
	320-1907-01	1	1600 Amp	30	526-2120	1	Washer, Flat (M10)
	320-1907-02	1	2000 Amp	31	850-2010	1	Washer, Lock - Spring (M10)
3	800-2089	9	Screw, Cap - Hex Head	32	800-2086	1	Screw, Cap - Hex Head
			(M10 x 40mm) 1600 Amp				(M10 x 25mm)
			Disconnect Switches	33	800-2063	4	Screw, Cap - Hex Head (M8
4	319-3153	1	Bracket, Mounting				x 50mm)
5	319-3266-01	1	Cover, Disconnect Switch	34	226-4498-03	1	Lead - Disconnect Switch
6	319-1925	1	Panel - Bottom				(Quantity Used As
7	319-1961	1	Panel - Top				Required) 30° (Without
8	319-3253-02	1	Brace, Mounting -				Markings) (#1/0 Wire)
			Disconnect Switch	35	508-1109	-	Edging - Bulk (Order By The
9	300-4480-01	1	Bar Assembly, Neutral				Foot - 3 Feet Required)
			(Includes Neutral Bars,				The following four
			Labels and Parts Marked *)				hardware items are used
10	332-3303-01	1	* Lug, Solderless				to fasten the load leads to
11	332-2744-07	4	* Standoff, Insulator				the generator and neutral
12	800-0048	4	* Screw, Cap - Hex Head				bar. Quantity used as
			(3/8-16 x 3/4")				required.
13	800-2089	3	* Screw, Cap - Hex Head	36	800-2116	1	Screw, Cap - Hex Head
			(M10 x 40mm)				(M12 x 50mm)
14	526-2120	7	* Washer, Flat (M10)	37	860-2010	1	Nut, Hex (M12)
15	850-2010	11	* Washer, Lock - Spring (M10)	38	850-2012	1	Washer, Lock - Spring (M12)
16	800-0052	4	* Screw, Cap - Hex Head	39	526-2140	1	Washer, Flat (M12)
			(3/8-16 x 1-1/2")	40			Label, Marker (10 Characters
17	850-2010	9	Washer, Lock - Spring (M10)				Per Card) (Quantity Used
			1600 Amp Switches				As Required)
18	870-0504	26	Nut, Self-Retaining (M6)		098-5854-06	3	Marked ^a L ^o
19	319-3252-02	1	Brace, Cover		098-5854-07	1	Marked ^a 1 ^o
20	332-3303-01	3	Lug, Solderless		098-5854-08	1	Marked ^a 2 ^o
21	821-6003-02	6	Screw, Self-Locking - Hex		098-5854-09	1	Marked ^a 3 ^o
			Washer Head (M8 x 20mm)	41	850-2008	4	Washer, Lock - Spring (M8)
22	821-6002-03	89	Screw, Self-Locking - Hex	42	526-2100	4	Washer, Flat (M8)
			Washer Head (M6 x 16mm)				
23	895-0182	-	Stripping, Weather - Bulk				
			(Order By The Foot - 4				
			Feet Required)				
24	319-3286	2	Brace, Cover (Vertical)				
25	319-3288	2	Brace, Cover (Horizontal)				
26			Bar, Bus (T-Bar) (Includes				
			Mounting Hardware)				
	337-2789	4	Sets With 1600 Amp				
			Disconnect Switches				
	337-2789	1	Sets With 2000 Amp				
			Disconnect Switches				

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

Circuit Breaker and Disconnect Switch
UL Listed, IEC Conformity
Model HC5 Generators
DFGA, DFGB Spec G
DFGA Spec H



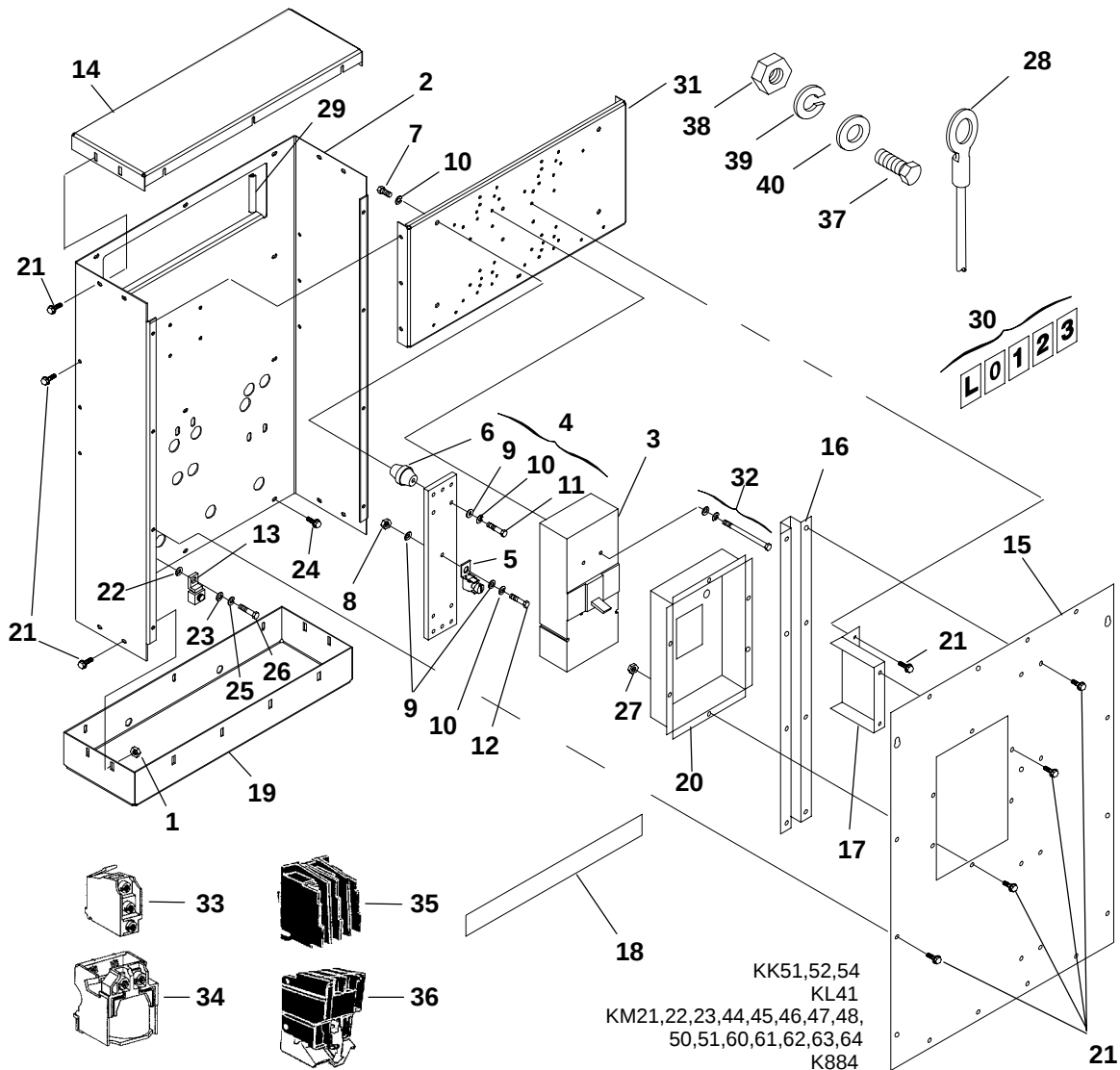
Circuit Breaker and Disconnect Switch
UL Listed, IEC Conformity
Model HC5 Generators
DFGA, DFGB Spec G
DFGA Spec H

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	870-0504	16	Nut, Self-Retaining (M6)	15			Cover
2	319-3169	1	Box, Circuit Breaker		319-1917	1	All Except 4 Pole Switches Mounted on the Right Side When Facing Control
3			The following listed Circuit Breakers and Disconnect Switches include lugs and mounting hardware.		319-2463	1	4 Pole Switches Mounted on the Right Side When Facing Control
			Circuit Breakers				
			3 Pole (UL, IEC)	16	319-3284	1	Brace, Cover
			450 Amp	17	319-3333	1	Brace, Cover
320-1963-03	1		DFGA, DFGB Spec G	18	091-0002	1	Strip, Copper (Used for wrapping end of leads before securing to circuit breakers and disconnect switches) (Quantity Used As Required)
320-1960-03	1		DFGA Spec H				
			500 Amp				
320-1963-02	1		DFGA, DFGB Spec G				
320-1960-02	1		DFGA Spec H				
			600 Amp	19	319-3183	1	Panel - Bottom
320-1963-01	1		DFGA, DFGB Spec G	20			Cup
320-1960-01	1		DFGA Spec H		319-2431-26	1	2-7/8" x 4° Opening
320-1964-05	1		700 Amp		319-2431-30	1	3-5/16" x 4-3/8" Opening
320-1964-04	1		800 Amp		319-2431-31	1	2-1/2" x 4-9/16" Opening
320-1964-03	1		900 Amp	21	821-6002-03	53	Screw, Self-Locking - Hex Washer Head (M6 x 16mm)
320-1964-02	1		1000 Amp				
320-1964-01	1		1200 Amp	22	856-0010	1	Washer, Lock - EIT (3/8")
			4 Pole (IEC)	23	526-2120	1	Washer, Flat (M10)
			500 Amp	24	821-2034	2	Screw, Self-Locking - Hex Washer Head (M6 x 20mm)
320-1960-08	1		630 Amp				
320-1960-07	1		800 Amp	25	850-2010	1	Washer, Lock - Spring (M10)
320-1964-08	1		1000 Amp	26	800-2088	1	Screw, Cap - Hex Head (M10 x 35mm)
320-1964-07	1		1250 Amp				
320-1964-06	1			27	870-2054	4	Nut, Hex - Flange (M6)
			Disconnect Switches	28			Lead (Quantity Used As Required) 39° (Without Markings) (#1/0 Wire)
			3 Pole (UL, IEC)				
			600 Amp		226-4406-03	1	1/2° Ring Terminal End to 1° Stripped End
320-1991-01	1		DFGA, DFGB Spec G		226-4406-04	1	1/2° Ring Terminal End to 1/2° Ring Terminal End
320-1990-01	1		DFGA Spec H				Edging - Bulk (Order By The Foot - 3 Feet Required)
320-1992-02	1		800 Amp				Label, Marker (10 Characters Per Card) (Quantity Used As Required)
320-1992-01	1		1200 Amp				Marked °L°
4	300-4318-01	1	Bar Assembly, Neutral - Used on 3 Pole Circuit Breakers and Disconnect Switches (Includes Neutral Bars, Labels and Parts Marked *)	29	508-1092	-	Marked °1°
				30			Marked °2°
5	332-2001	3	*Lug, Solderless				Marked °3°
6	332-2744-07	2	*Standoff, Insulator		098-5854-06	1	Marked °0°
7	800-0048	2	*Screw, Cap - Hex Head (3/8-16 x 3/4")		098-5854-07	1	
					098-5854-08	1	
8	862-0003	3	*Nut, Hex (3/8")		098-5854-09	1	
9	526-0029	8	*Washer, Flat (3/8")		098-5854-10	1	
10	850-0050	7	*Washer, Lock - Spring (3/8")	31	319-3329	1	Bracket, Mounting
11	800-0051	2	*Screw, Cap - Hex Head (3/8-16 x 1-1/4")				
12	800-0052	3	*Screw, Cap - Hex Head (3/8-16 x 1-1/2")				
13	332-2001	1	Lug, Solderless				
14	319-1915	1	Panel - Top				

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

Continued...

Circuit Breaker and Disconnect Switch
UL Listed, IEC Conformity
Model HC5 Generators
DFGA, DFGB Spec G
DFGA Spec H

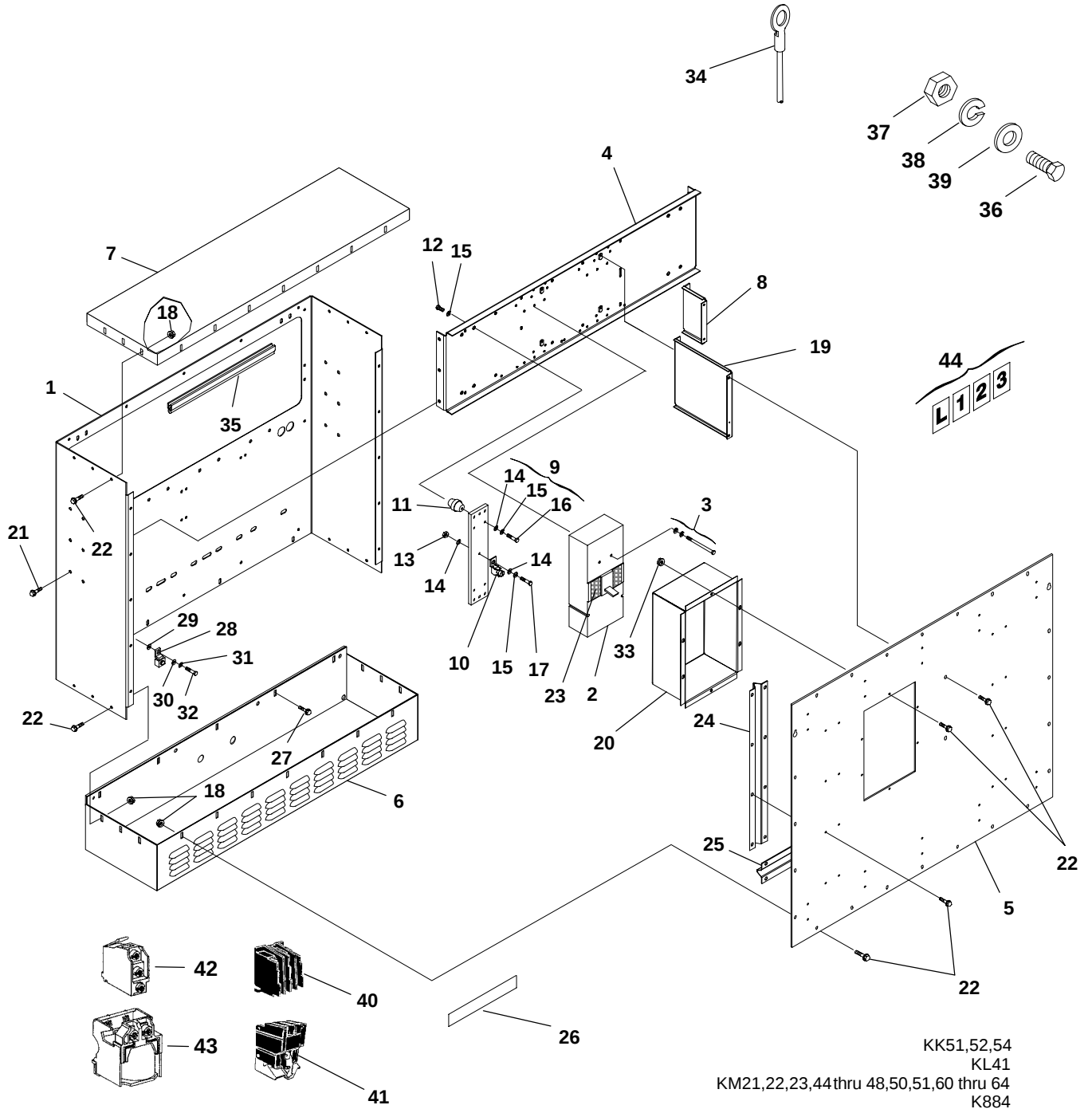


Circuit Breaker and Disconnect Switch
UL Listed, IEC Conformity
Model HC5 Generators
DFGA, DFGB Spec G
DFGA Spec H

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
Continued...							
32			Package, Hardware - Mounting (Includes Screws, Nuts and Lock Washers - 1 Package Required Per Switch)				Accessories, Circuit Breaker: The following are used on 320-1963-XX and 320-1964-XX Circuit Breakers
	320-1986-07	1	Used With 320-1960-XX Circuit Breakers	35	320-1977-01	1	Switches - Includes 1 Trip Alarm and 1 Auxiliary Contact
	320-1986-02	1	Used With 320-1963-XX Circuit Breakers and 320-1991-XX Disconnect Switch	36	320-1977-03	1	24 Volt Shunt Trip
	320-1986-01	1	Used With 320-1964-XX Circuit Breakers and 320-1992-02 Disconnect Switches				The following four hardware items are used to fasten the load leads to the generator and neutral bar. Quantity used as required.
			Accessories, Circuit Breaker: The following are used on 320-1960-XX Circuit Breakers	37	800-2116	1	Screw, Cap - Hex Head (M12 x 50mm)
				38	860-2010	1	Nut, Hex (M12)
				39	850-2012	1	Washer, Lock - Spring (M12)
				40	526-2140	1	Washer, Flat (M12)
33	320-1981-01	1	Switch - Used as a Trip Alarm or Auxiliary Contact				
34	320-1981-03	1	24 Volt Shunt Trip				

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

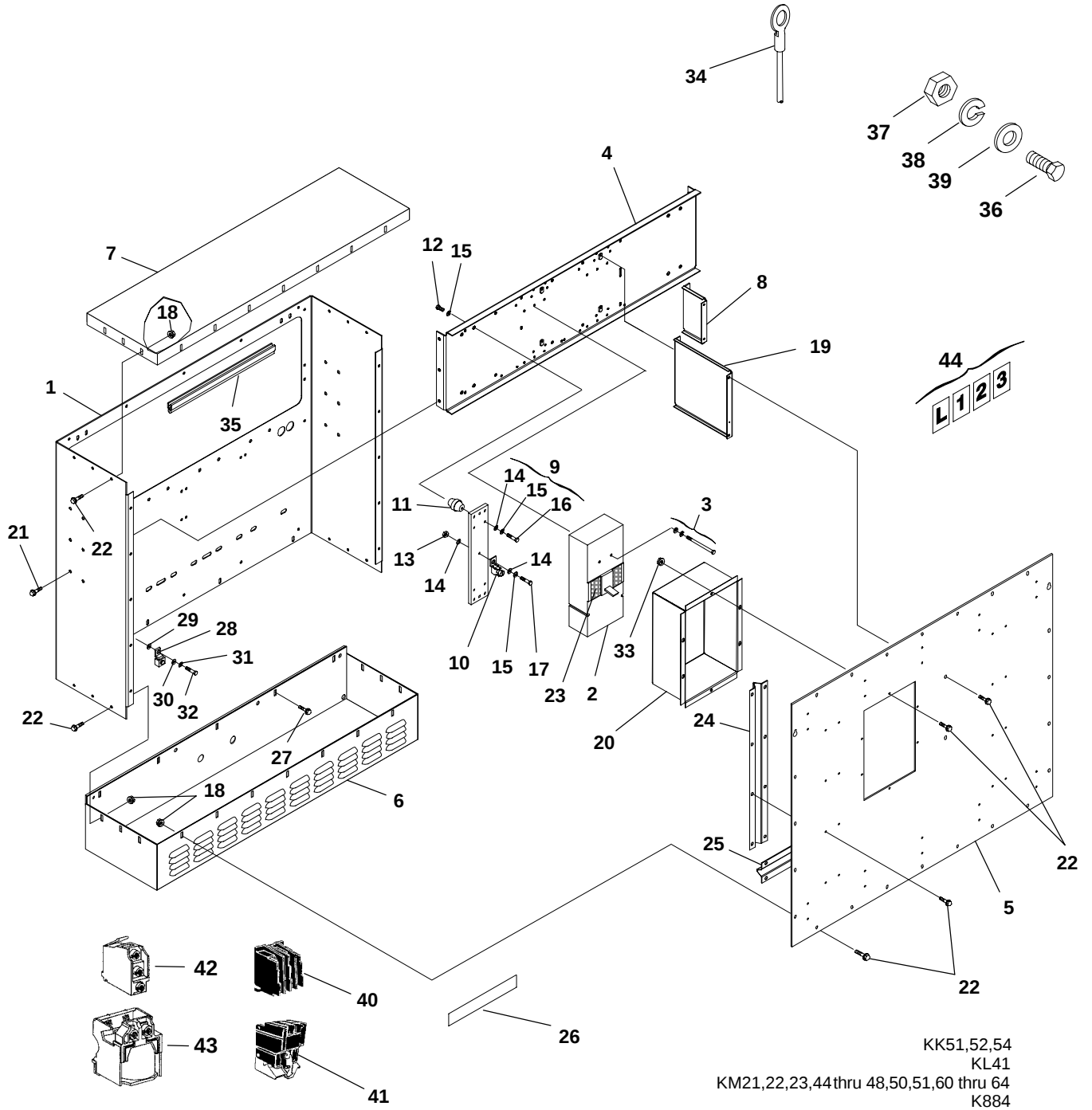
Circuit Breaker and Disconnect Switch
UL Listed, IEC Conformity
Model HC6 and HC7 Generators
DFGA, DFGB Spec G
DFGA Spec H



Circuit Breaker and Disconnect Switch
UL Listed, IEC Conformity
Model HC6 and HC7 Generators
DFGA, DFGB Spec G
DFGA Spec H

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3184	1	Box, Circuit Breaker	6	319-1925	1	Panel - Bottom
2			The following listed Circuit Breakers and Disconnect Switches include lugs and mounting hardware.	7	319-1961	1	Panel - Top
			Circuit Breakers	8	319-3253-01	1	Brace, Cover
			3 Pole (UL, IEC)	9	300-4318-01	1	Bar Assembly, Neutral - Used on 3 Pole Circuit Breakers and Disconnect Switches (Includes Neutral Bars, Labels and Parts Marked *)
			450 Amp				
320-1963-03	1		DFGA, DFGB Spec G	10	332-2001	3	* Lug, Solderless
320-1960-03	1		DFGA Spec H	11	332-2744-07	2	* Standoff, Insulator
			500 Amp	12	800-0048	2	* Screw, Cap - Hex Head (3/8-16 x 3/4")
320-1963-02	1		DFGA, DFGB Spec G	13	862-0003	3	* Nut, Hex (3/8")
320-1960-02	1		DFGA Spec H	14	526-0029	8	* Washer, Flat (3/8")
			600 Amp	15	850-0050	7	* Washer, Lock - Spring (3/8")
320-1963-01	1		DFGA, DFGB Spec G	16	800-0051	2	* Screw, Cap - Hex Head (3/8-16 x 1-1/4")
320-1960-01	1		DFGA Spec H	17	800-0052	3	* Screw, Cap - Hex Head (3/8-16 x 1-1/2")
320-1964-05	1		700 Amp	18	870-0504	30	Nut, Self-Retaining (M6)
320-1964-04	1		800 Amp	19	319-3252-01	1	Brace, Cover
320-1964-03	1		900 Amp	20	319-2431-28	1	Cup
320-1964-02	1		1000 Amp	21	821-6003-02	6	Screw, Self-Locking - Hex Washer Head (M8 x 20mm)
320-1964-01	1		1200 Amp	22	821-6002-03	91	Screw, Self-Locking - Hex Washer Head (M6 x 16mm)
			4 Pole (IEC)	23	895-0182	-	Stripping, Weather - Bulk (Order By The Foot - 1 Foot Required)
320-1960-08	1		500 Amp	24	319-3286	2	Brace, Cover (Vertical)
320-1960-07	1		630 Amp	25	319-3288	2	Brace, Cover (Horizontal)
320-1964-08	1		800 Amp	26	091-0002	1	Strip, Copper (Used for wrapping end of leads before securing to circuit breakers and disconnect switches) (Quantity Used As Required)
320-1964-07	1		1000 Amp				
320-1964-06	1		1250 Amp				
			Disconnect Switches				
			3 Pole (UL, IEC)				
			600 Amp				
320-1991-01	1		DFGA, DFGB Spec G				
320-1990-01	1		DFGA Spec H				
320-1992-02	1		800 Amp				
320-1992-01	1		1200 Amp				
3			Package, Hardware - Mounting (Includes Screws, Nuts and Lock Washers - 1 Package Required Per Switch)	27	821-2034	5	Screw, Self-Locking - Hex Washer Head (M6 x 20mm)
			Used With 320-1960-XX Circuit Breakers	28	332-2001	1	Lug, Solderless
320-1986-07	1		Used With 320-1963-XX Circuit Breakers and 320-1991-XX Disconnect Switch	29	856-0010	1	Washer, Lock - EIT (3/8")
320-1986-02	1		Used With 320-1964-XX Circuit Breakers and 320-1992-02 Disconnect Switches	30	526-2120	1	Washer, Flat (M10)
320-1986-01	1			31	850-2010	1	Washer, Lock - Spring (M10)
				32	800-2086	1	Screw, Cap - Hex Head (M10 x 25mm)
				33	870-2054	6	Nut, Hex - Flange (M6)
				* - Parts Included In 300-4318-01 Neutral Bar Assembly			
4	319-3153	1	Bracket, Mounting	Continued...			
5	319-3300	1	Cover				

Circuit Breaker and Disconnect Switch
UL Listed, IEC Conformity
Model HC6 and HC7 Generators
DFGA, DFGB Spec G
DFGA Spec H

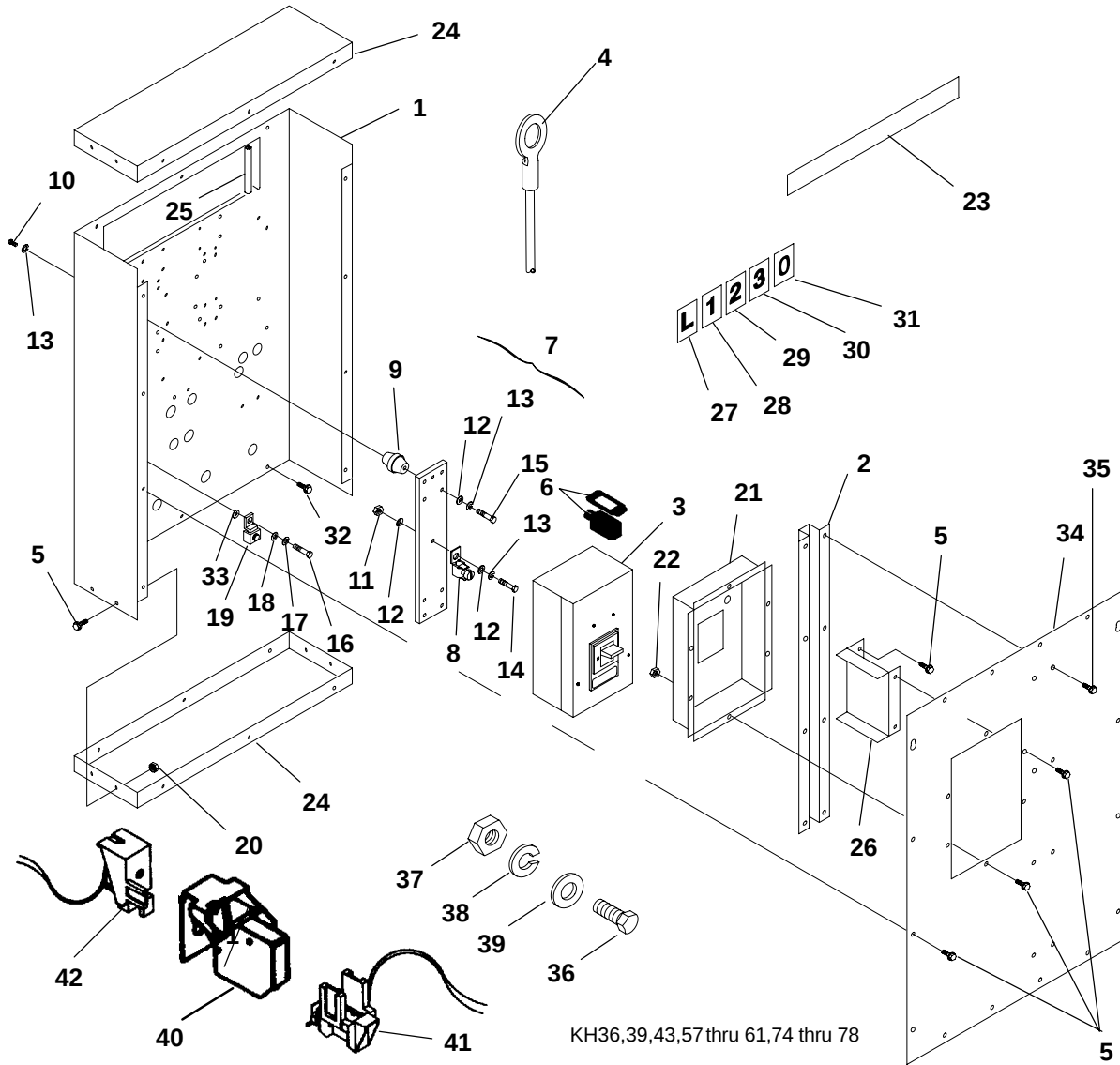


Circuit Breaker and Disconnect Switch
UL Listed, IEC Conformity
Model HC6 and HC7 Generators
DFGA, DFGB Spec G
DFGA Spec H

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
Continued...							
34			Lead (Quantity Used As Required) 39° (Without Markings) (#1/0 Wire)				Accessories, Circuit Breaker: The following are used on 320-1960-XX Circuit Breakers Switch - Used as a Trip Alarm or Auxiliary Contact 24 Volt Shunt Trip Label, Marker (10 Characters Per Card) (Quantity Used As Required) Marked ^a L ^o Marked ^a 1 ^o Marked ^a 2 ^o Marked ^a 3 ^o
	226-4406-03	1	1/2° Ring Terminal End to 1° Stripped End	42	320-1981-01	1	
	226-4406-04	1	1/2° Ring Terminal End to 1/2° Ring Terminal End				
35	508-1109	-	Edging - Bulk (Order By The Foot - 3 Feet Required)	43	320-1981-03	1	
				44			
			The following four hardware items are used to fasten the load leads to the generator and neutral bar. Quantity used as required.		098-5854-06	1	
					098-5854-07	1	
					098-5854-08	1	
					098-5854-09	1	
36	800-2114	1	Screw, Cap - Hex Head (M12 x 40mm)				
37	860-2010	1	Nut, Hex (M12)				
38	850-2012	1	Washer, Lock - Spring (M12)				
39	526-2140	1	Washer, Flat (M12)				
			Accessories, Circuit Breaker: The following are used on 320-1963-XX and 320-1964-XX Circuit Breakers				
40	320-1977-01	1	Switches - Includes 1 Trip Alarm and 1 Auxilliary Contact				
41	320-1977-03	1	24 Volt Shunt Trip				

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

**Circuit Breaker
Non-UL Listed
Model HC5 Generators
Spec C Through F**



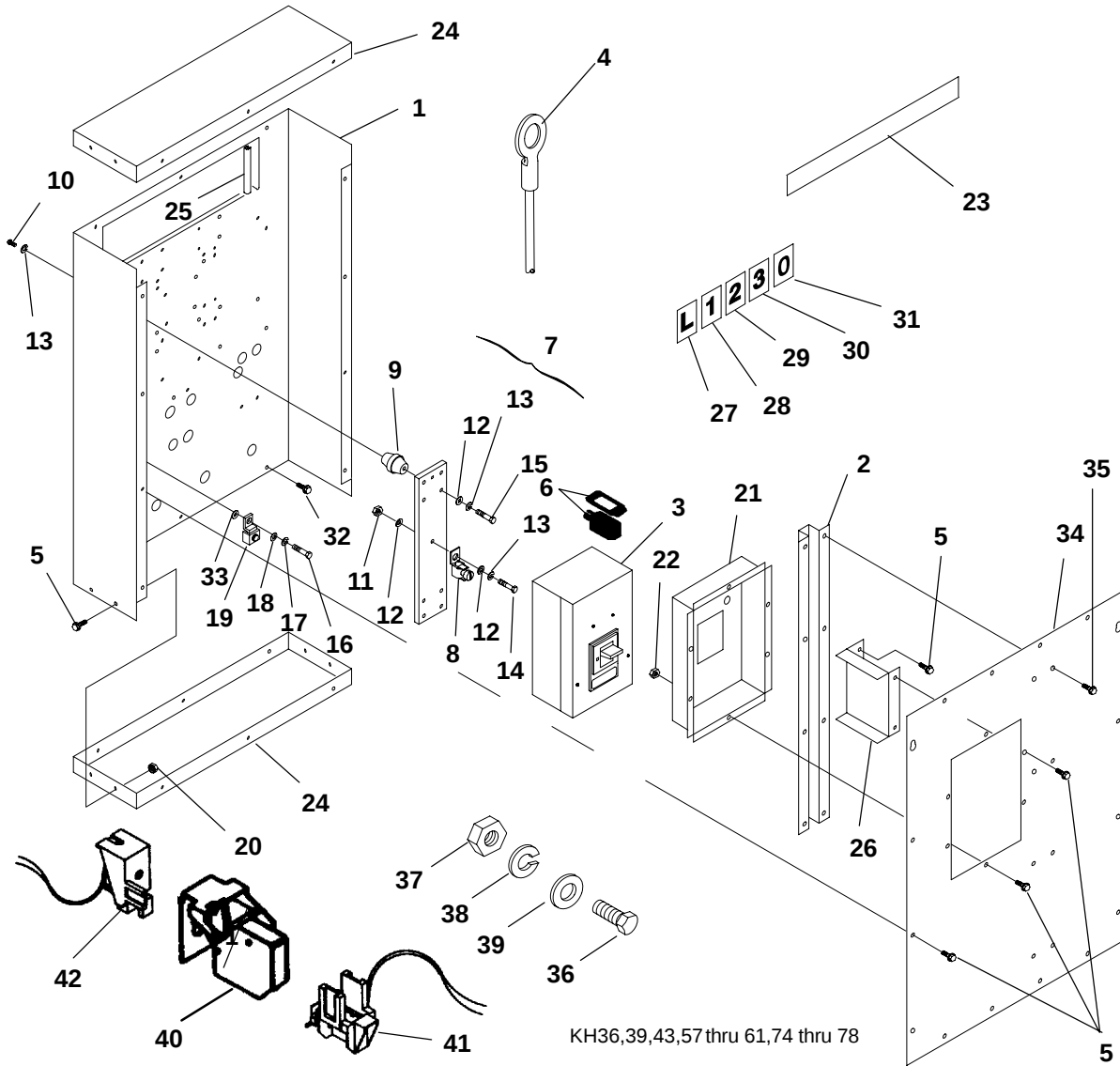
**Circuit Breaker
Non-UL Listed
Model HC5 Generators
Spec C Through F**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Box, Circuit Breaker	21			Cup, Circuit Breaker
	319-2433	1	3 Pole Circuit Breakers		319-2431-16	1	Opening Recessed 4-1/4"
	319-2464	1	4 Pole Circuit Breakers		319-2431-17	1	Opening Recessed 3"
2	319-1918	1	Brace, Cover	22	870-0212	6	Nut, Locking (1/4-20)
3			Breaker, Circuit (Includes Mounting Screws (CB21)	23	091-0002	1	Strip, Copper (Used for wrapping end of leads before securing to circuit breakers) (Quantity Used As Required)
			Three Pole Breakers				
	320-1728-02	1	500 Amp				
	320-1728-03	1	630 Amp	24	319-1915	2	Panel
	320-1729-03	1	800 Amp	25	508-1092	-	Edging - Bulk (Order By The Foot - 3 Feet Required)
	320-1730-03	1	1000 Amp				
	320-1730-04	1	1250 Amp	26	319-1927	1	Brace, Cover
			Four Pole Breakers	27			Label, Marker (10 Characters Per Card) Marked "L"
	320-1728-05	1	500 Amp		098-5854-06	3	3 Pole Breakers
	320-1728-06	1	630 Amp		098-5854-06	4	4 Pole Breakers
	320-1729-06	1	800 Amp				
	320-1730-07	1	1000 Amp	28	098-5854-07	1	Label, Marker (10 Characters Per Card) Marked "1"
	320-1730-08	1	1250 Amp				
4			Lead - Circuit Breaker (Quantity Used As Required) 39" (Without Markings) (#1/0 Wire)	29	098-5854-08	1	Label, Marker (10 Characters Per Card) Marked "2"
	226-4406-03	1	1/2" Ring Terminal End to 1" Stripped End	30	098-5854-09	1	Label, Marker (10 Characters Per Card) Marked "3"
	226-4406-04	1	1/2" Ring Terminal End to 1/2" Ring Terminal End	31	098-5854-10	1	Label, Marker (10 Characters Per Card) Marked "0" (4 Pole Breakers)
5	821-5002-03	32	Screw, Self-Locking - Hex Washer Head (1/4-20 x 1/2")	32	821-0009	5	Screw, Self-Locking - Hex Washer Head (1/4-20 x 3/8")
6			Lug Set - Circuit Breaker (Packaged In Sets - Two Lugs Per Set) (Quantity Used As Required)	33	856-0010	1	Washer, Lock - EIT (3/8")
	320-1755-14	1	500, 630 Amp Breakers	34	319-1917	1	Cover, Circuit Breaker Sets With 3 Pole Breaker Mounted On Left Or Right Side When Facing Control
	320-1755-16	1	800 Amp Breakers		319-1917	1	Sets With 4 Pole Breaker Mounted On Left Side When Facing Control
	320-1755-15	1	1000, 1250 Amp Breakers				
7	300-4318-01	1	Bar Assembly, Neutral (Includes Neutral Bars, Labels and Parts Marked *) (Used With 3 Pole Circuit Breakers)		319-2463	1	Sets With 4 Pole Breaker Mounted On Right Side When Facing Control
8	332-2001	3	*Lug, Solderless	35	821-0010	8	Screw, Self-Locking - Hex Washer Head (1/4-20 x 1/2")
9	332-2744-07	2	*Standoff, Insulator				
10	800-0048	2	*Screw, Cap - Hex Head (3/8-16 x 3/4")				
11	862-0003	3	*Nut, Hex (3/8")				
12	526-0029	8	*Washer, Flat (3/8")				
13	850-0050	7	*Washer, Lock - Spring (3/8")				
14	800-0051	2	*Screw, Cap - Hex Head (3/8-16 x 1-1/4")				
15	800-0052	3	*Screw, Cap - Hex Head (3/8-16 x 1-1/2")				
16	800-0050	1	Screw, Cap - Hex Head (3/8-16 x 1")				
17	850-0050	1	Washer, Lock - Spring (3/8")				
18	526-0029	1	Washer, Flat (3/8")				
19	332-2001	1	Lug, Solderless				
20	870-0494	16	Nut, Self-Retaining - Floating (1/4-20)				

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

Continued...

**Circuit Breaker
Non-UL Listed
Model HC5 Generators
Spec C Through F**

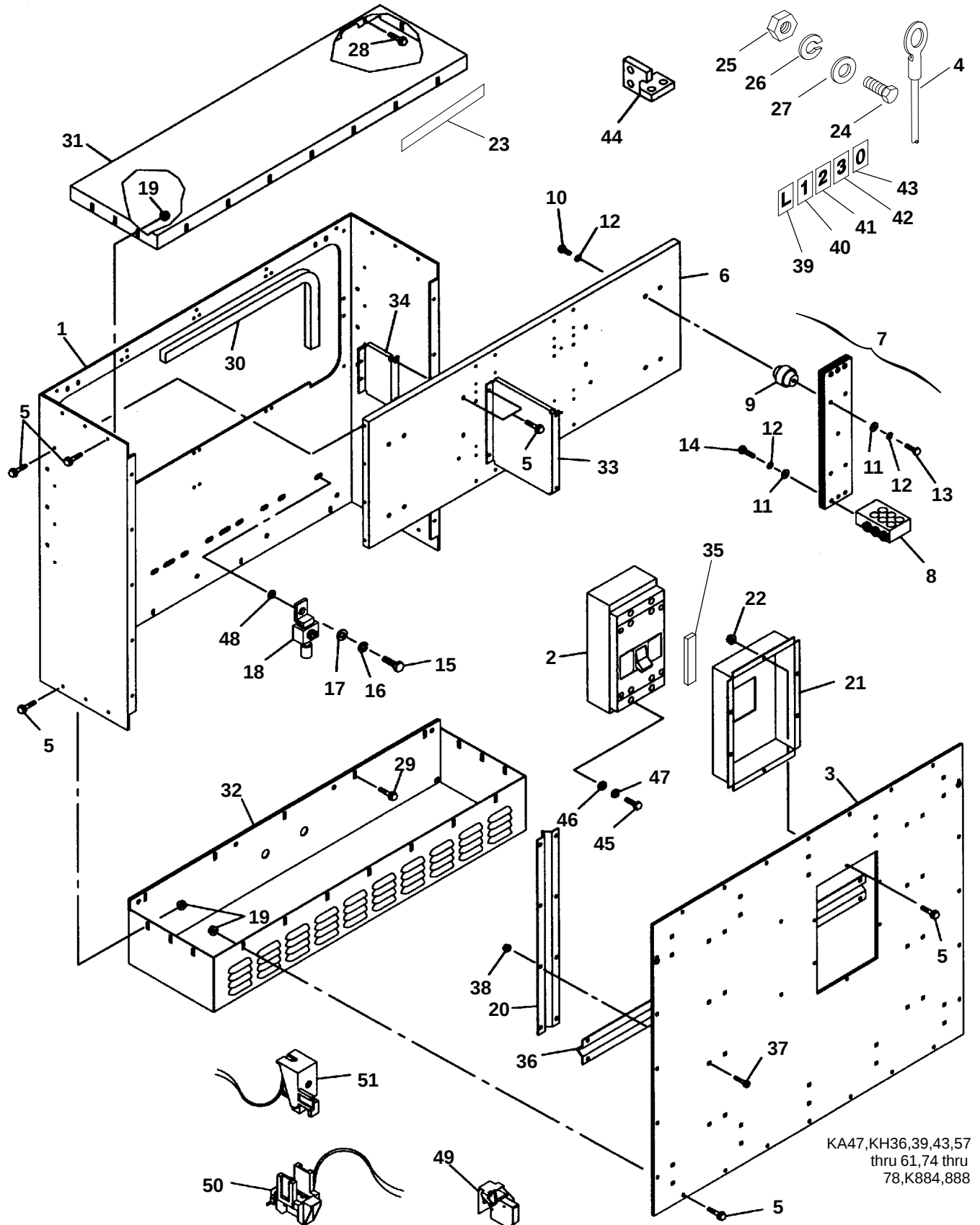


**Circuit Breaker
Non-UL Listed
Model HC5 Generators
Spec C Through F**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
Continued...							
			The following four hardware items are used to fasten the load leads to the generator, neutral bar and circuit breakers that are 800 amp or larger. Quantity used as required.	40			Contact, Auxiliary
					320-1747-15	1	500, 630, 800 Amp Breakers
					320-1747-18	1	1000, 1250 Amp Breakers
				41			Alarm, Bell
					320-1748-13	1	500, 630, 800 Amp Breakers
					320-1748-14	1	1000, 1250 Amp Breakers
				42			Trip, 24 Volt Shunt
36	800-0092	1			320-1749-13	1	500, 630, 800 Amp Breakers
37	862-0016	1			320-1749-14	1	1000, 1250 Amp Breakers
38	850-0060	1					
39	526-0219	1	Screw, Cap - Hex Head (1/2-13 x 1-1/2")				
			Nut, Hex (1/2-13)				
			Washer, Lock - Spring (1/2")				
			Washer, Flat (1/2")				

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

**Circuit Breaker
Non-UL Listed
Model HC6 and HC7 Generators
Spec C Through F**



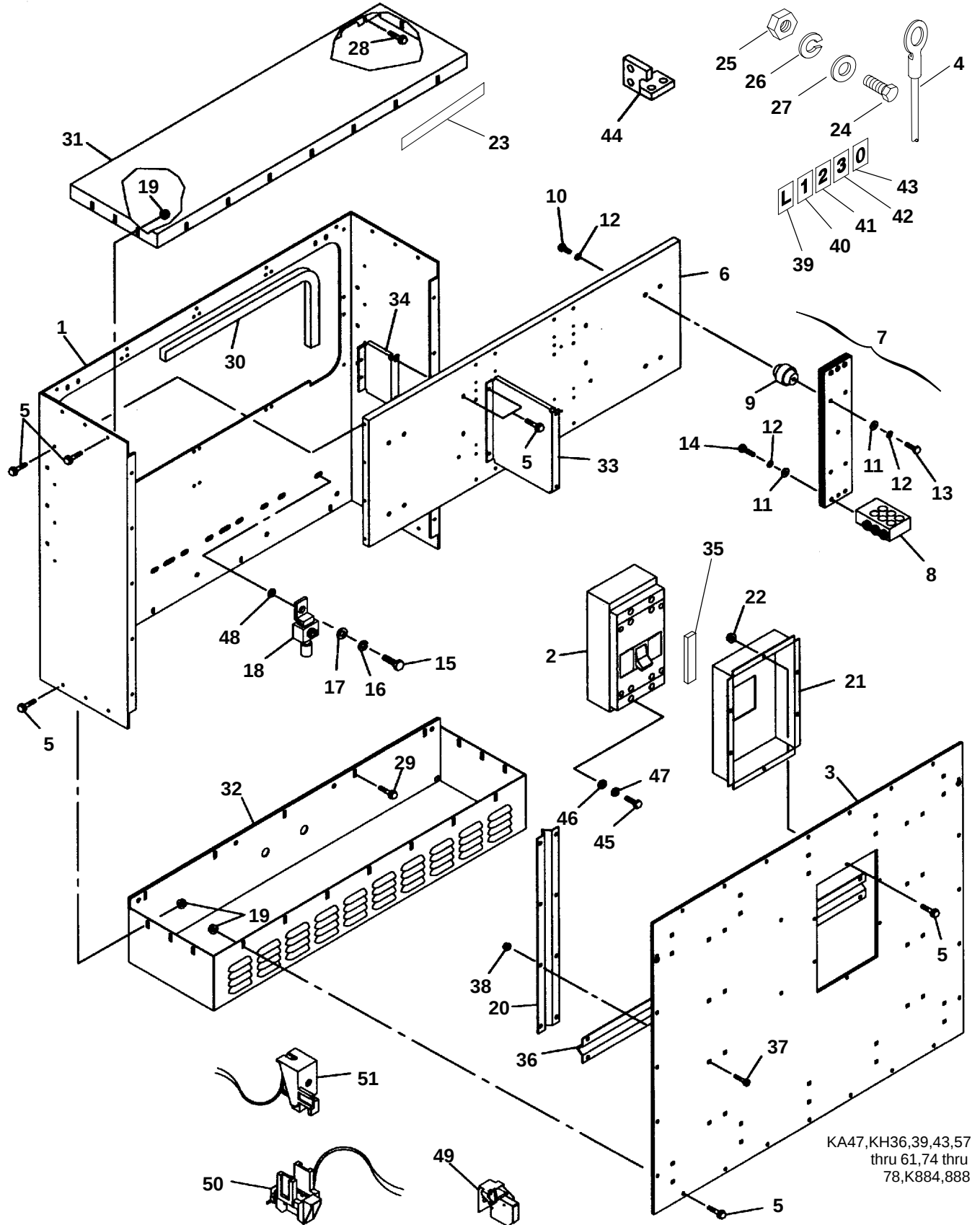
**Circuit Breaker
Non-UL Listed
Model HC6 and HC7 Generators
Spec C Through F**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-1957	1	Box, Circuit Breaker	23	091-0002	1	Strip, Copper (Used for
2			Breaker, Circuit (Includes				wrapping ends of leads
			Mounting Screws) (CB21)				before securing to circuit
			Three Pole Breakers				breakers and neutral bar
	320-1728-02	1	500 Amp				lug) (Quantity Used As
	320-1728-03	1	630 Amp				Required)
	320-1729-03	1	800 Amp				The following four
	320-1730-03	1	1000 Amp				hardware items are used
	320-1730-04	1	1250 Amp				to fasten the load leads to
			Four Pole Breakers				the generator and neutral
	320-1730-05	1	500 Amp				bar. Quantity used as
	320-1730-06	1	630 Amp				required.
	320-1729-06	1	800 Amp	24	800-0092	1	Screw, Cap - Hex Head
	320-1730-07	1	1000 Amp				(1/2-13 x 1-1/2")
	320-1730-08	1	1250 Amp	25	862-0016	1	Nut, Hex (1/2-13)
3	319-1964	1	Cover, Circuit Breaker	26	850-0060	1	Washer, Lock - Spring (1/2")
4			Lead - Circuit Breaker	27	526-0219	1	Washer, Flat (1/2")
			(Quantity Used As	28	821-0018	5	Screw, Self-Locking - Hex
			Required) 39° (Without				Washer Head (1/4-20 x
			Markings) (#1/0 Wire)				5/8")
	226-4406-03	1	1/2° Ring Terminal End to	29	821-0011	5	Screw, Self-Locking - Hex
			1° Stripped End				Washer Head (1/4-20 x
	226-4406-04	1	1/2° Ring Terminal End to				7/8")
			1/2° Ring Terminal End	30	508-1109	-	Edging - Bulk (Order By The
5	821-0010	58	Screw, Self-Locking - Hex				Foot - 3 Feet Required)
			Washer Head (1/4-20 x	31	319-1961	1	Panel - Top
			1/2")	32	319-1925	1	Panel - Bottom
6	319-1963	1	Bracket, Mounting - Circuit	33	319-1926-01	1	Brace, Cover
			Breaker	34	319-2316-01	1	Brace, Mounting Bracket -
7	300-4480-01	1	Bar Assembly, Neutral				Circuit Breaker
			(Includes Neutral Bars,	35	895-0182	-	Stripping, Weather - Bulk
			Labels and Parts Marked *)				(Order By The Foot - 1
			(Used With 3 Pole				Foot Required)
			Breakers)	36	319-2399	2	Brace, Cover (Horizontal)
8	332-3303-01	1	* Lug, Solderless	37	816-0098	36	Bolt, Carriage (5/16-18 x
9	332-2744-07	4	* Standoff, Insulator				5/8")
10	800-0048	4	* Screw, Cap - Hex Head	38	870-0257	36	Nut, Locking (5/16-18)
			(3/8-16 x 3/4")	39			Label, Marker (10 Characters
11	526-2120	7	* Washer, Flat (M10)				Per Card) Marked ^a L ^o
12	850-2010	11	* Washer, Lock - Spring (M10)		098-5854-06	3	3 Pole Breakers
13	800-0052	4	* Screw, Cap - Hex Head		098-5854-06	4	4 Pole Breakers
			(3/8-16 x 1-1/2")	40	098-5854-07	1	Label, Marker (10 Characters
14	800-2089	3	* Screw, Cap - Hex Head				Per Card) Marked ^a 1 ^o
			(M10 x 40mm)	41	098-5854-08	1	Label, Marker (10 Characters
15	800-0050	1	Screw, Cap - Hex Head				Per Card) Marked ^a 2 ^o
			(3/8-16 x 1")	42	098-5854-09	1	Label, Marker (10 Characters
16	850-0050	1	Washer, Lock - Spring (3/8")				Per Card) Marked ^a 3 ^o
17	526-0029	4	Washer, Flat (3/8")	43	098-5854-10	1	Label, Marker (10 Characters
18	332-2001	1	Lug, Solderless				Per Card) Marked ^a 0 ^o (4
19	870-0494	26	Nut, Self-Retaining -				Pole Breakers)
			Floating (1/4-20)				
20	319-2398	2	Brace, Cover (Vertical)				
21			Cup, Circuit Breaker				
	319-2431-20	1	Opening Recessed 2-3/4"				
	319-2431-19	1	Opening Recessed 3-7/8"				
22	870-0212	6	Nut, Locking (1/4-20)				

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

Continued...

**Circuit Breaker
Non-UL Listed
Model HC6 and HC7 Generators
Spec C Through F**



**Circuit Breaker
Non-UL Listed
Model HC6 and HC7 Generators
Spec C Through F**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
Continued...							
44			Lug Set - Circuit Breaker (Packaged In Sets - Two Lugs Per Set) (Quantity Used As Required)	49			Contact, Auxiliary
	320-1755-14	1	500, 630 Amp Breakers		320-1747-15	1	500, 630, 800 Amp Breakers
	320-1755-16	1	800 Amp Breakers		320-1747-18	1	1000, 1250 Amp Breakers
	320-1755-15	1	1000, 1250 Amp Breakers	50			Alarm, Bell
					320-1748-13	1	500, 630, 800 Amp Breakers
45	800-0033	4	Screw, Cap - Hex Head (5/16-18 x 2 ⁹)		320-1748-14	1	1000, 1250 Amp Breakers
46	526-0115	4	Washer, Flat (5/16 ⁹)	51			Trip, 24 Volt Shunt
47	850-0045	4	Washer, Lock - Spring (5/16 ⁹)		320-1749-13	1	500, 630, 800 Amp Breakers
48	856-0010	1	Washer, Lock - EIT (3/8 ⁹)		320-1749-14	1	1000, 1250 Amp Breakers

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

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