



Parts Catalog

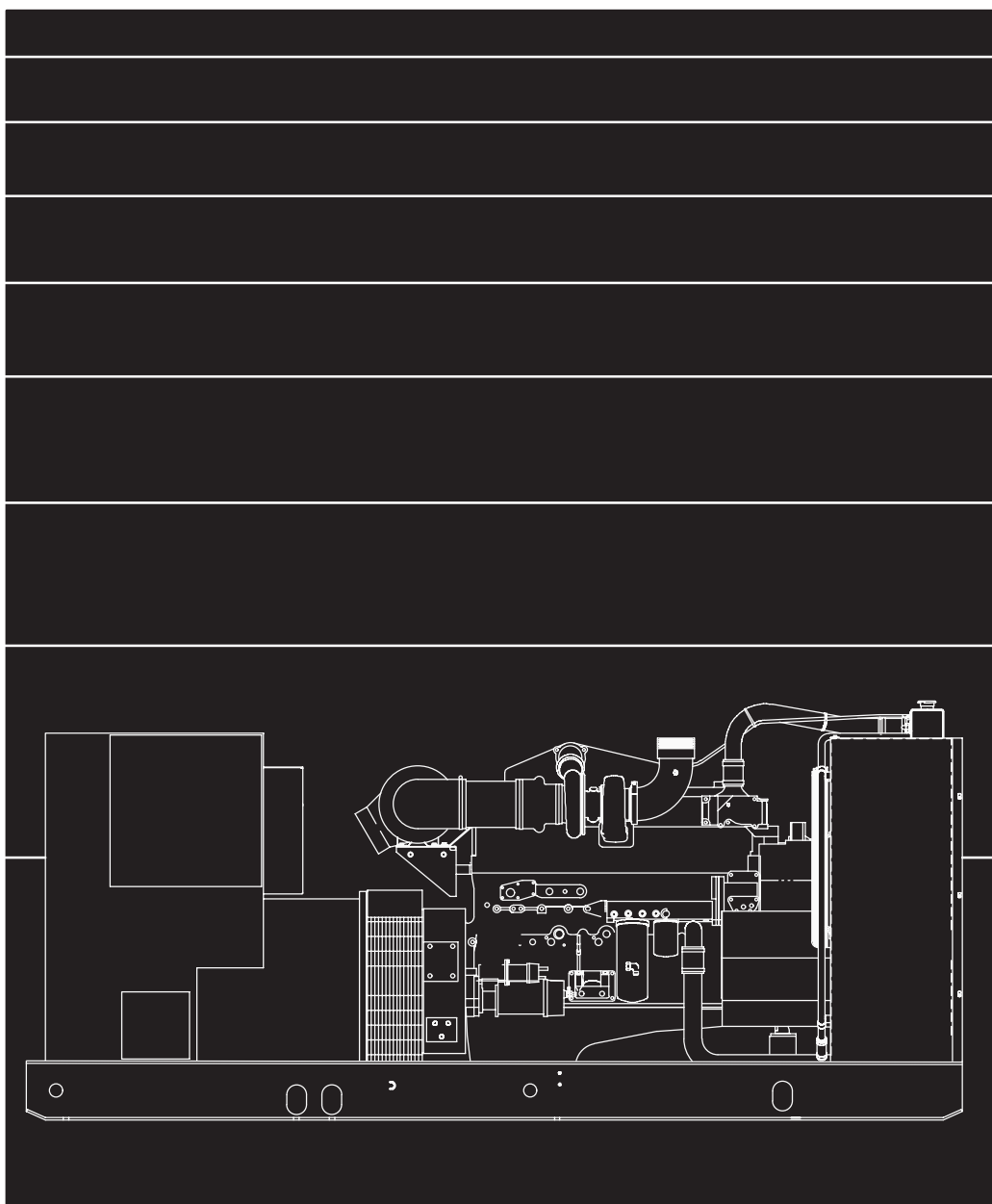
DQAA

DQAB

DQBA

DQBB

Generator Set



MODEL IDENTIFICATION

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

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

MODEL AND SPEC NO.

SERIAL NO.

DIGITAL CONTROL SOFTWARE VERSION
AND DATE (IF APPLICABLE)

SAFETY PRECAUTIONS

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



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



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



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

PRODUCT SAFETY PRECAUTIONS



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



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



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



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

Introduction

This catalog applies to Onan Generator Models DQAA, DQAB, DQBA and DQBB 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 Onan are identified in this catalog. All other engine replacement parts must be ordered from the engine manufacturer by referring to the engine manufacturer's nameplate and supplying all available information. Contact your nearest engine parts distributor for assistance in ordering replacement parts.

Replacement Engine

Onan/Cummins Generator Model	Cummins Engine Model
DQAA, DQAB DQBA, DQBB	MTA11–G2, Spec No. D353009GX03 N14–G2, Spec No. D093638GX03

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

Generator Set Data Table

Model and Specification	Electrical Data					Battery Voltage
	Watts	Volts	Hertz	Wire	Phase	
200DQAA/*	200,000	#	60	12	3	24VDC
250DQAB/*	250,000	#	60	12	3	24VDC
300DQBA/*	300,000	#	60	12	3	24VDC
350DQBB/*	350,000	#	60	12	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.

– Broad range reconnectible

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Abbreviations

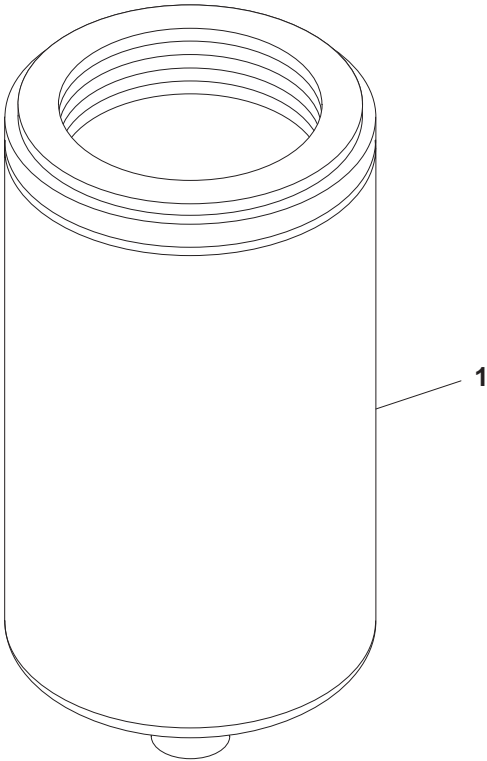
Some of the following abbreviations may be used throughout this Parts Catalog;

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

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)

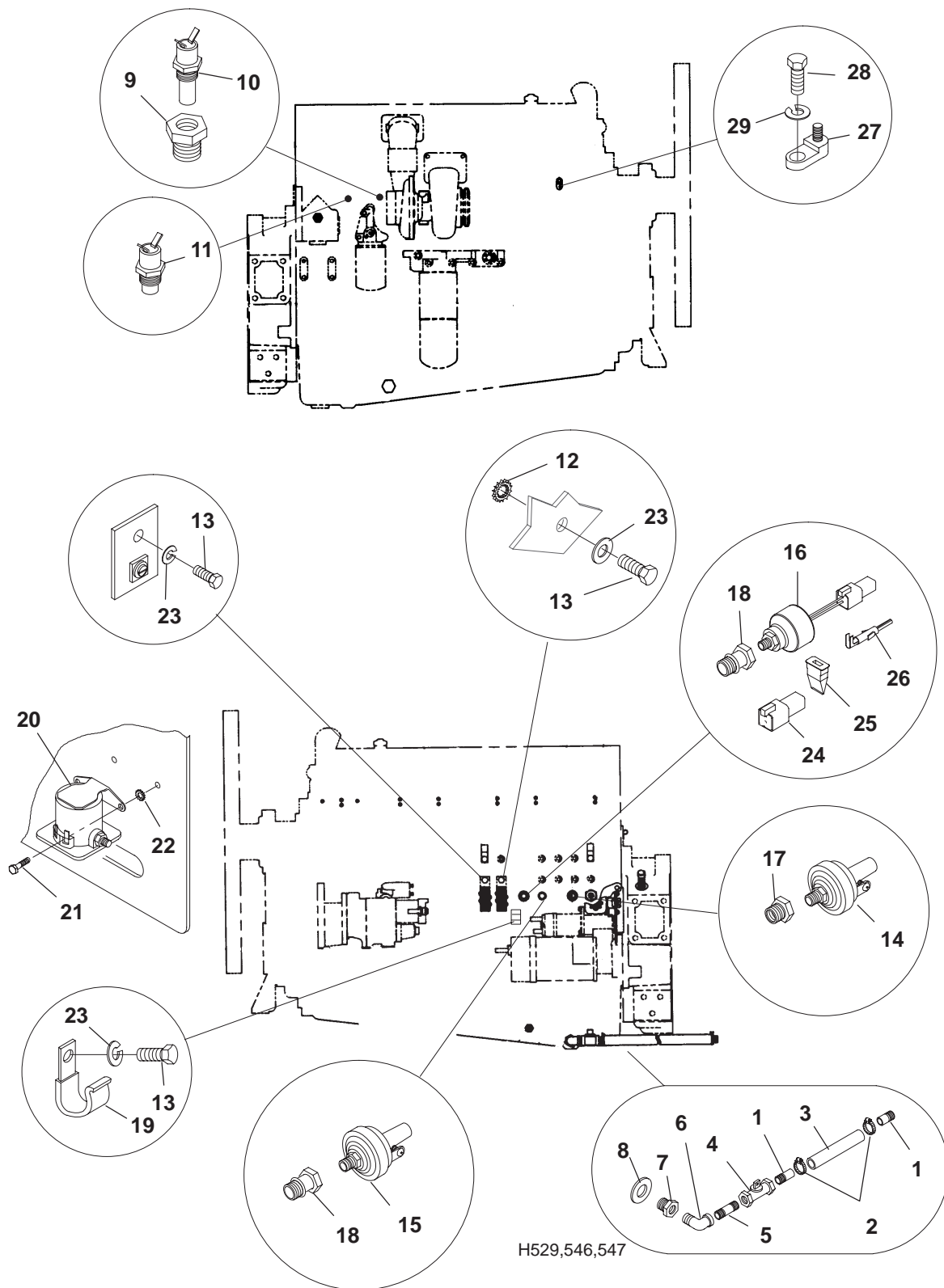
Fuel/Water Separator



C127

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

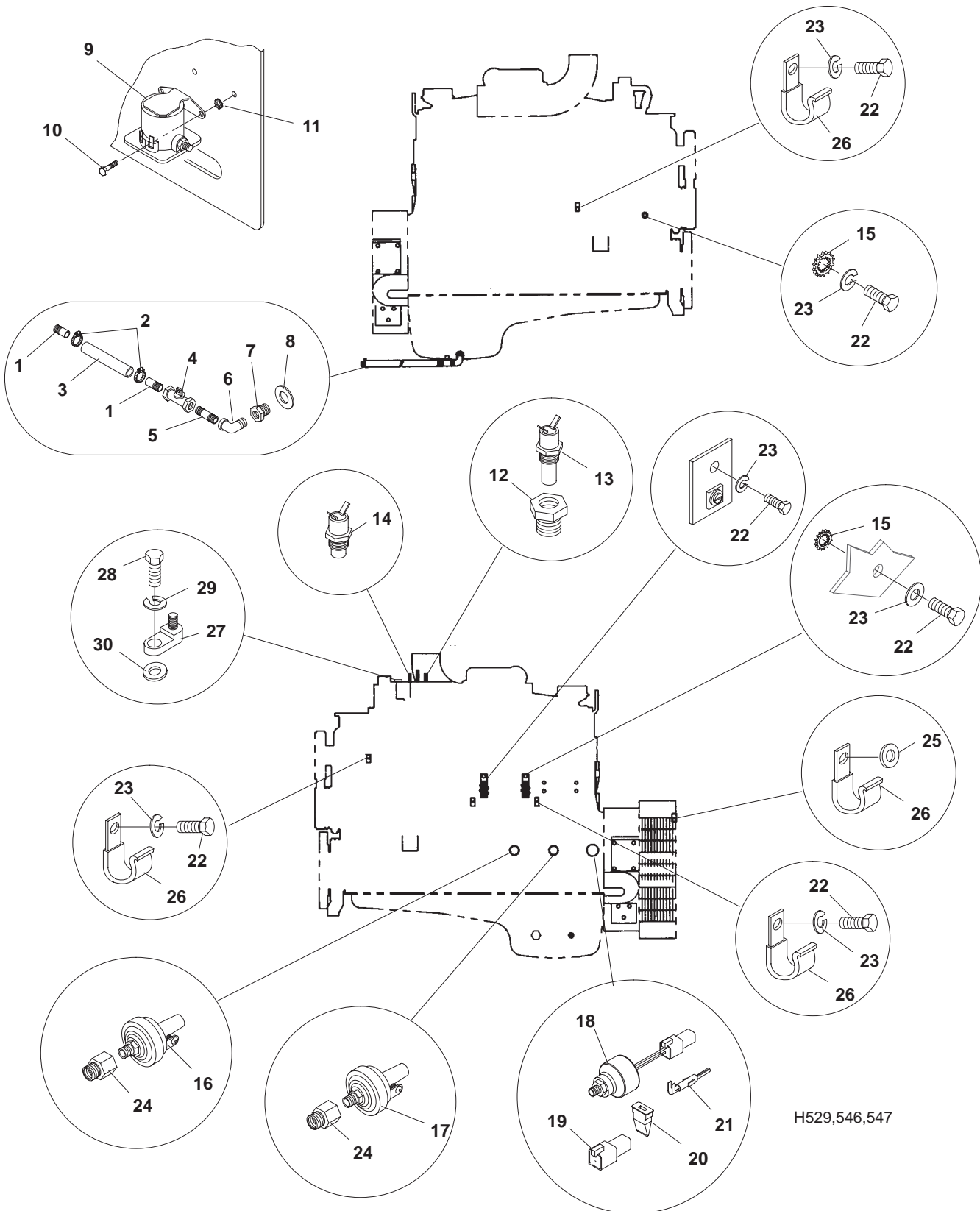
External Engine Parts Generator Sets With Detector Control DQAA, DQAB



**External Engine Parts
Generator Sets With Detector Control
DQAA, DQAB**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	505-0185	2	Nipple, Pipe – Half (1/2" x 1-1/2")	16	193-0448	1	Sender, Oil Pressure (Includes Parts Marked *) (E1)
2	503-0189	2	Clamp, Hose	17	505-0007	1	Bushing, Pipe – Reducer (1/4" to 1/8")
3	503-1013	1	Hose, Drain (3/4" ID)	18	502-1217-01	2	Adapter, Female – Brass
4	504-0011	1	Valve, Shutoff (1/2")	19	332-2634	1	Clamp, "J"
5	505-0100	1	Nipple, Pipe – Close (1/2")	20	307-2167	1	Relay, Start Solenoid (K2)
6	505-0050	1	Elbow, Pipe – Street – 90 Deg (1/2")	21	821-0010	2	Screw, Self-Locking – Hex Washer Head (1/4-20 x 1/2")
7	102-1335	1	Plug, Oil Drain	22	856-0006	1	Washer, Lock – EIT (1/4")
8	508-0292	1	Washer, Sealing – Copper	23	850-2010	3	Washer, Lock – Spring (M10)
9	505-0019	1	Bushing, Pipe – Reducer (1/2" to 3/8")	24	323-1549	1	*Connector, Receptacle – 4 Place
10	309-0576	1	Switch, Thermostat – High Engine Coolant Temperature (Opens At 202 Deg F – Closes At 222 Deg F) (S2)	25	323-1548	1	*Wedge, Receptacle
11	193-0447-01	1	Sender, Water Temperature (E2)	26	323-1492	4	*Socket, Contact
12	856-0010	1	Washer, Lock – EIT (3/8")	27	309-0269	1	Switch, Temperature – Low Engine Coolant (S4)
13	800-2085	3	Screw, Cap – Hex Head (M10 x 20mm)	28	800-2107	1	Screw, Cap – Hex Head (M10 x 150mm)
14	309-0641-07	1	Switch, Oil Pressure (Opens At 20 Lbs Decending) (S5 Pre-Alarm)	29	850-2010	1	Washer, Lock – Spring (M10)
15	309-0641-03	1	Switch, Oil Pressure (Opens At 14 Lbs Decending) (S1)				* – Parts Included In 193-0448 Oil Pressure Sender

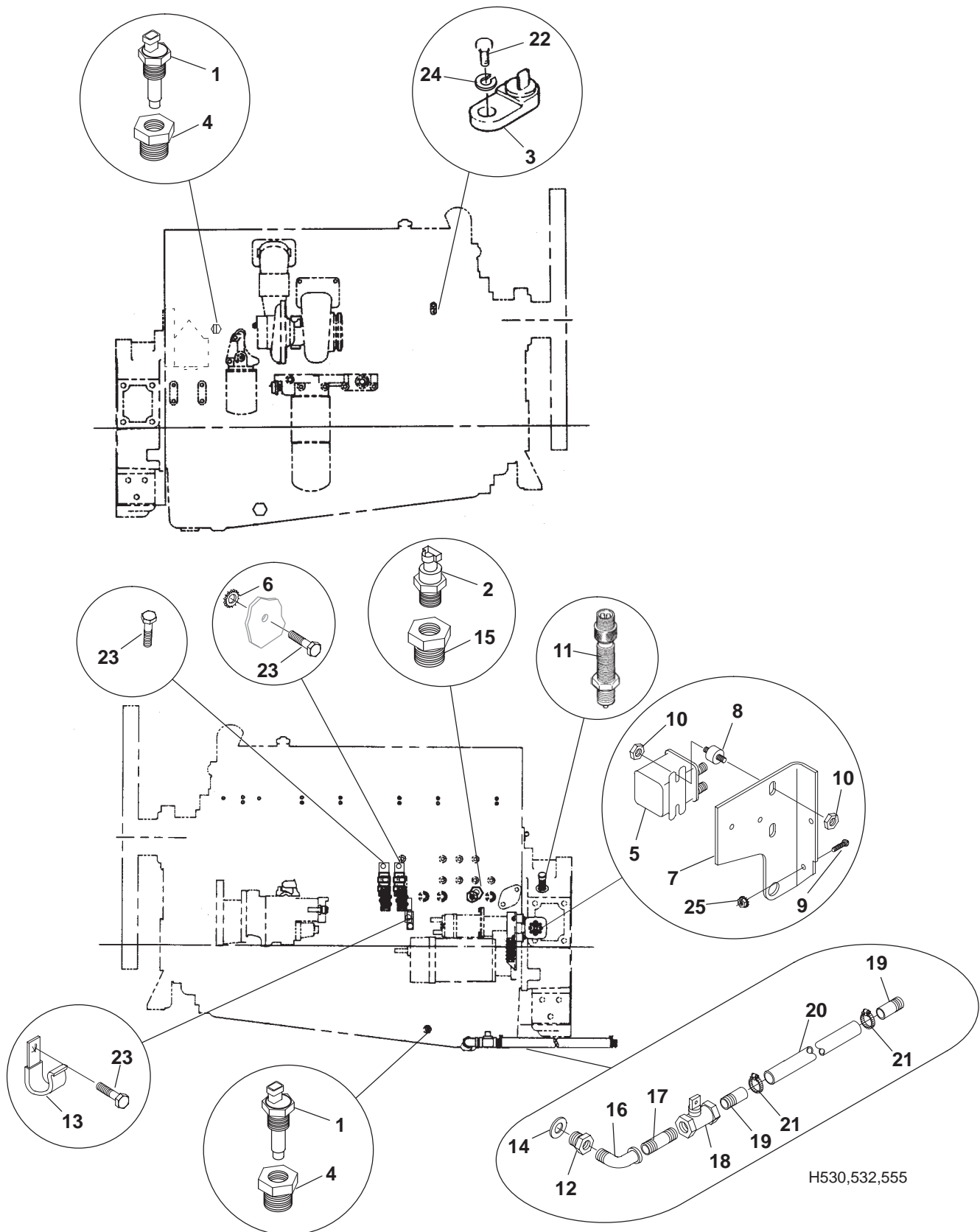
External Engine Parts **Generator Sets With Detector Control** **DQBA, DQBB**



**External Engine Parts
Generator Sets With Detector Control
DQBA, DQBB**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	505-0185	2	Nipple, Pipe – Half (1/2" x 1-1/2")	17	309-0641-03	1	Switch, Oil Pressure (Opens At 14 Lbs Decending) (S1)
2	503-0189	2	Clamp, Hose	18	193-0448	1	Sender, Oil Pressure (Includes Parts Marked *) (E1)
3	503-1013	1	Hose, Oil Drain (3/4" ID)	19	323-1549	1	* Connector, Receptacle – 4 Place
4	504-0011	1	Valve, Shutoff (1/2")	20	323-1548	1	* Wedge, Receptacle
5	505-0100	1	Nipple, Pipe – Close (1/2")	21	323-1492	4	* Socket, Contact
6	505-0050	1	Elbow, Pipe – Street – 90 Deg (1/2")	22	801-0048	6	Screw, Cap – Hex Head (3/8-24 x 3/4")
7	102-1335	1	Plug, Oil Drain	23	850-0050	6	Washer, Lock – Spring (3/8")
8	508-0292	1	Washer, Sealing – Copper	24	505-1503	2	Adapter, Pipe (1/8")
9	307-2167	1	Relay, Start Solenoid (K2)	25	526-0018	1	Washer, Flat (1/4")
10	821-0010	2	Screw, Self-Locking – Hex Washer Head (1/4-20 x 1/2")	26	332-2634	5	Clamp, "J"
11	856-0006	1	Washer, Lock – EIT (1/4")	27	309-0269	1	Switch, Temperature – Low Engine Coolant (S4)
12	505-0019	1	Bushing, Pipe – Reducer (1/2" to 3/8")	28	800-0233	1	Screw, Cap – Hex Head (3/8-16 x 4-3/4")
13	309-0576	1	Switch, Thermostat – High Engine Coolant Temperature (Opens At 202 Deg F – Closes At 222 Deg F) (S2)	29	850-0050	1	Washer, Lock – Spring (3/8")
14	193-0447-01	1	Sender, Water Temperature (E2)	30	526-0066	1	Washer, Flat (3/8") Not Used On All Models
15	856-0010	2	Washer, Lock – EIT (3/8")	* – Parts Included In 193-0448 Oil Pressure Sender			
16	309-0641-07	1	Switch, Oil Pressure (Opens At 20 Lbs Decending) (S5 Pre-Alarm)				

External Engine Parts Generator Sets With PowerCommand Control DQAA, DQAB

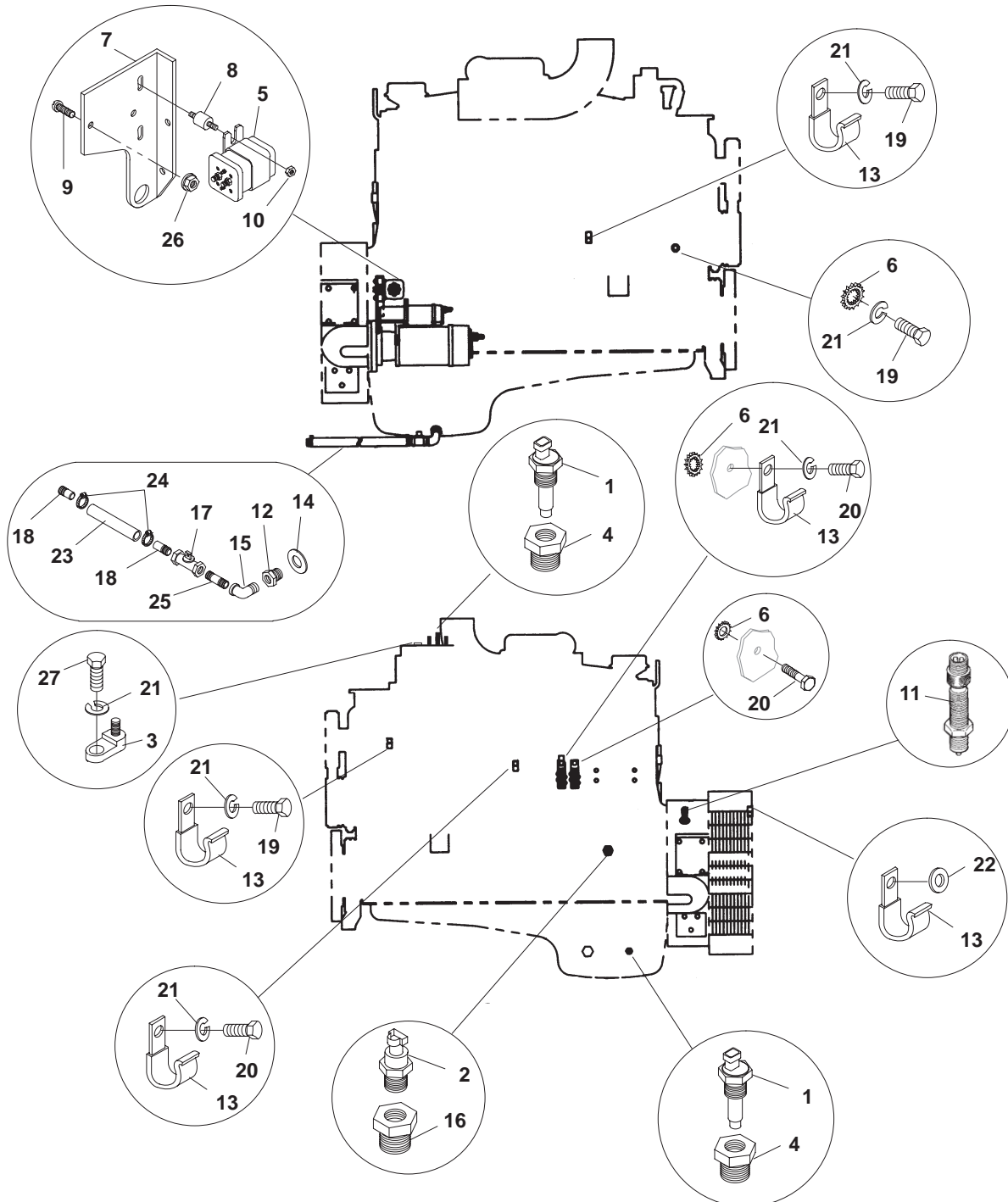


H530,532,555

**External Engine Parts
Generator Sets With PowerCommand Control
DQAA, DQAB**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	193-0432	2	Sender, Oil Temperature (E2 Engine Block, E4 Oil Pan)	14	508-0292	1	Washer, Sealing – Copper
2	193-0444	1	Sender, Oil Pressure (S1)	15	502-1217-01	1	Adapter, Female – Brass
3	309-0269	1	Switch, Temperature – Low Engine Coolant (S4)	16	505-0050	1	Elbow, Pipe – Street – 90 Deg (1/2")
4	505-0019	2	Bushing, Pipe – Reducer (1/2" to 3/8")	17	505-0100	1	Nipple, Pipe – Close (1/2")
5	307-2621-02	1	Relay, Start Solenoid (K4)	18	504-0011	1	Valve, Shutoff (1/2")
6	856-0010	1	Washer, Lock – EIT (3/8")	19	505-0185	2	Nipple, Pipe – Half (1/2" x 1-1/2")
7	319-2236	1	Bracket, Mounting	20	503-1013	1	Hose, Drain (3/4" ID)
8	402-0610	2	Isolator, Vibration	21	503-0189	2	Clamp, Hose
9	812-0067	2	Screw, Machine – Round Head (#6-32 x 7/8") Terminal Block Mounting	22	800-2107	1	Screw, Cap – Hex Head (M10 x 150mm)
10	870-0212	4	Nut, Locking (1/4-20)	23	800-2060	3	Screw, Cap – Hex Head (M10 x 20mm)
11	151-0411	1	Pickup, Magnetic (P1)	24	850-2010	1	Washer, Lock – Spring (M10)
12	102-1335	1	Plug, Oil Drain	25	870-0183	2	Nut, Lock – Hex Head – W/ET Lock Washer (#6-32)
13	332-2634	1	Clamp, "J"				Terminal Block Mounting

External Engine Parts **Generator Sets With PowerCommand Control** **DQBA, DQBB**

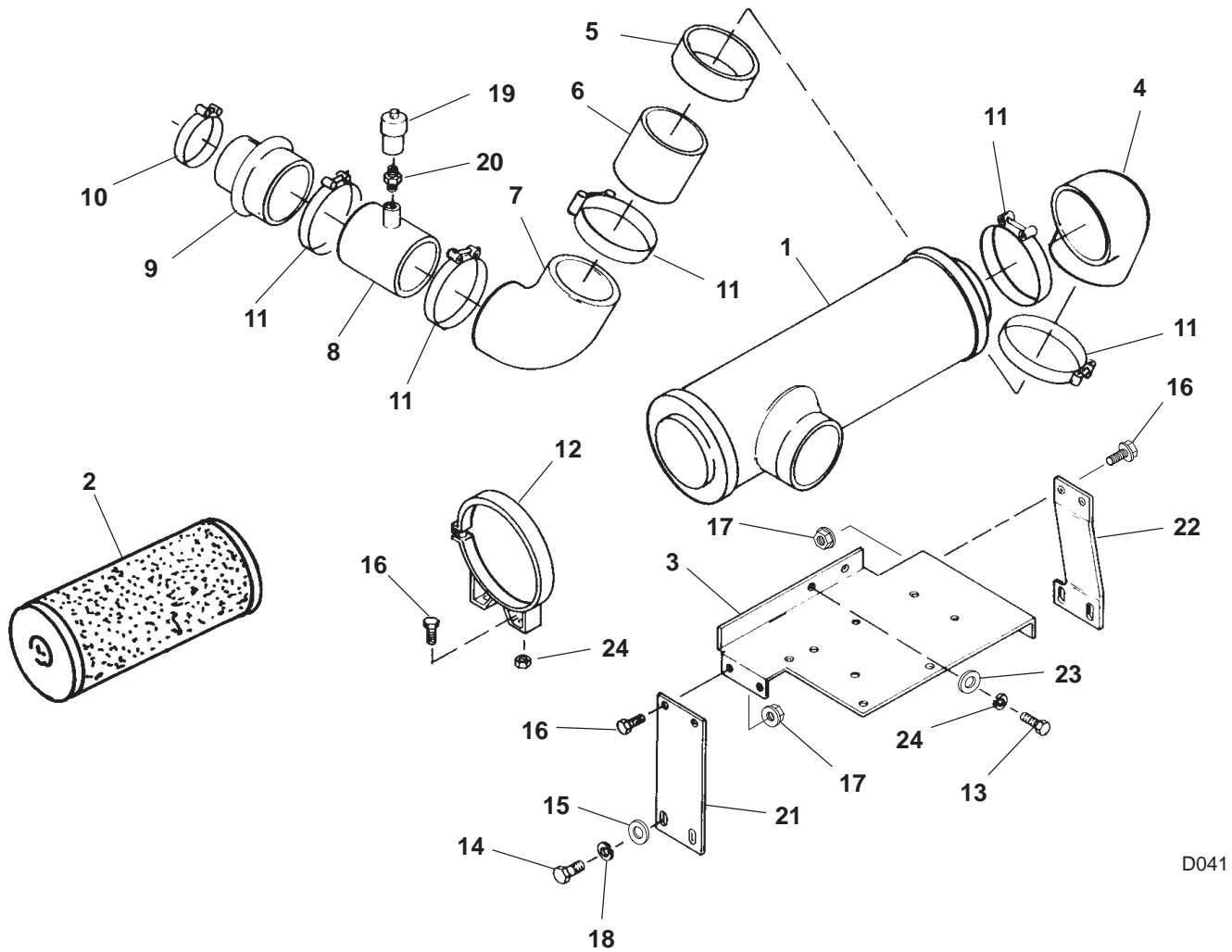


H530,532,555

**External Engine Parts
Generator Sets With PowerCommand Control
DQBA, DQBB**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	193-0432	2	Sender, Oil Temperature (E2 Engine Block, E4 Oil Pan)	16	505-1503	1	Adapter, Pipe (1/8")
2	193-0444	1	Sender, Oil Pressure (S1)	17	504-0011	1	Valve, Shutoff (1/2")
3	309-0269	1	Switch, Temperature – Low Engine Coolant (S4)	18	505-0185	2	Nipple, Pipe – Half (1/2" x 1-1/2")
4	505-0019	2	Bushing, Pipe – Reducer (1/2" to 3/8")	19	800-0048	3	Screw, Cap – Hex Head (3/8-16 x 3/4")
5	307-2621-02	1	Relay, Start Solenoid (K4)	20	801-0048	3	Screw, Cap – Hex Head (3/8-24 x 3/4")
6	856-0010	3	Washer, Lock – EIT (3/8")	21	850-0050	7	Washer, Lock – Spring (3/8")
7	319-2236	1	Bracket, Mounting	22	526-0018	1	Washer, Flat (1/4")
8	402-0610	2	Isolator, Vibration	23	503-1013	1	Hose, Drain (3/4" ID)
9	812-0067	2	Screw, Machine – Round Head (#6-32 x 7/8") Terminal Block Mounting	24	503-0189	2	Clamp, Hose
10	870-0212	4	Nut, Locking (1/4-20)	25	505-0100	1	Nipple, Pipe – Close (1/2")
11	151-0411	1	Pickup, Magnetic (P1)	26	870-0183	2	Nut, Lock – Hex Head – W/ET Lock Washer (#6-32) Terminal Block Mounting
12	102-1335	1	Plug, Oil Drain	27	800-0233	1	Screw, Cap – Hex Head (3/8-16 x 4-3/4")
13	332-2634	5	Clamp, "J"				
14	508-0292	1	Washer, Sealing – Copper				
15	505-0050	1	Elbow, Pipe – Street – 90 Deg (1/2")				

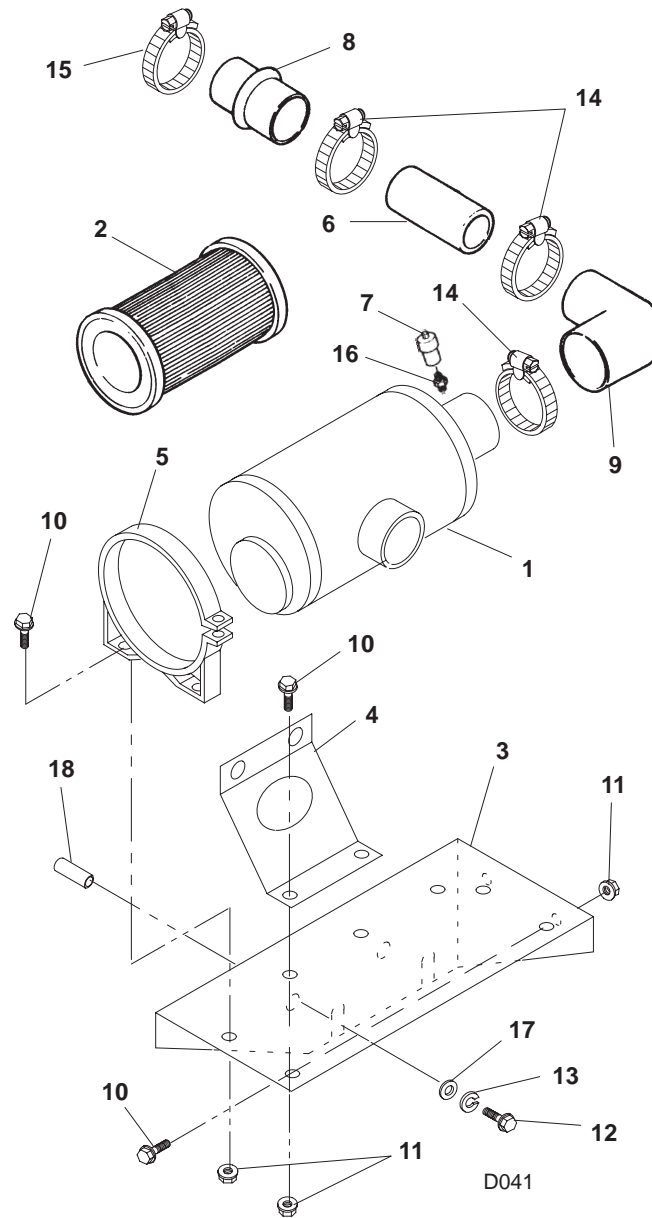
Air Cleaner Standard DQAA, DQAB



D041

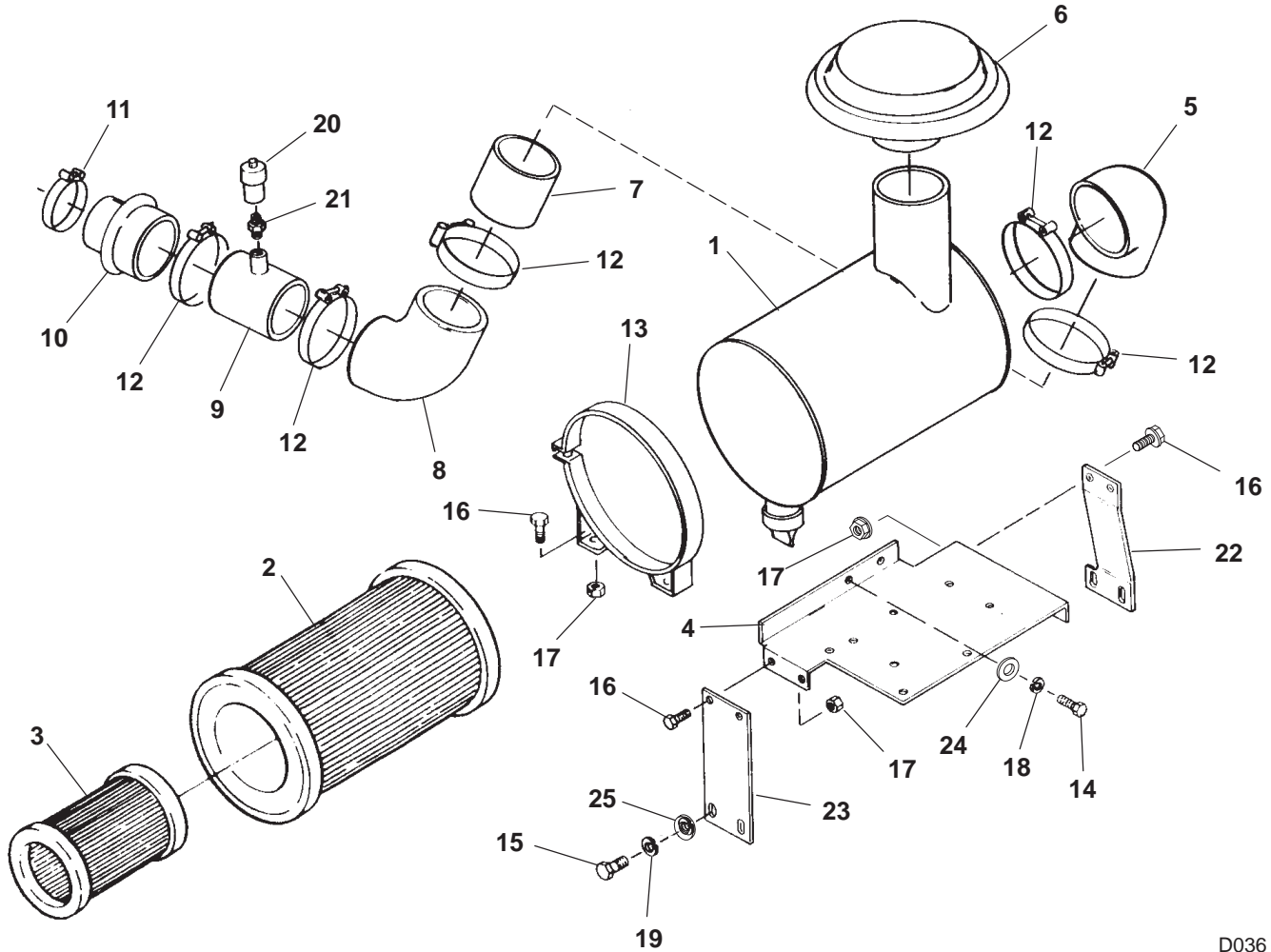
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-2634	1	Cleaner, Air (Includes Element)	14	800-0130	4	Screw, Cap - Hex Head (5/8-11 x 1")
2	140-2635	1	Element	15	526-0112	4	Washer, Flat (5/8")
3	140-2632	1	Bracket, Mounting	16	821-0029	8	Screw, Self-Locking - Hex Washer Head (3/8-16 x 3/4")
4	503-1461	1	Elbow, Hose - 90 Deg	17	870-0281	8	Nut, Hex - Locking (3/8-16)
5	503-1720	1	Insert, Reducer	18	850-0070	4	Washer, Lock - Spring (5/8")
6	140-2633-02	1	Tube, Air Inlet	19	140-1548	1	Indicator, Service
7	503-1788	1	Elbow, Hose - 68 Deg	20	140-1260	1	Fitting, Service Indicator
8	140-2607-03	1	Tube, Air Inlet	21	140-2655	1	Bracket, Mounting
9	140-1899	1	Tube, Reducer (5-1/2" to 4")	22	140-2656	1	Bracket, Mounting
10	503-1870-08	1	Clamp, Hose	23	526-2140	2	Washer, Flat (M12)
11	503-1870-11	5	Clamp, Hose	24	850-2012	2	Washer, Lock - Spring (M12)
12	140-1599	2	Band, Mounting				
13	800-2111	2	Screw, Cap - Hex Head (M12 x 25mm)				

Air Cleaner Standard DQBA, DQBB



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-2389	1	Cleaner, Air (Includes Element)	11	870-0550-09	8	Nut, Hex – Flange Head (3/8-16)
2	140-2391	1	Element	12	801-0124	2	Screw, Cap – Hex Head (5/8-18 x 3-1/4")
3	140-3096	1	Bracket, Mounting	13	850-0070	2	Washer, Lock – Spring (5/8")
4	140-3095	1	Bracket, Mounting	14	503-1870-14	3	Clamp, Hose
5	140-1973	2	Band, Mounting	15	503-1870-11	1	Clamp, Hose
6	140-2395-01	1	Tube, Air Inlet (7" ID x 10-1/2")	16	505-1503	1	Adapter, Pipe
7	140-1548	1	Indicator, Service	17	526-0112	2	Washer, Flat (5/8")
8	503-1675	1	Hose, Reducer (7" ID x 5-1/2" ID)	18	403-4115-01	2	Spacer, Mounting
9	503-0970	1	Elbow, Hose – 90 Deg (7" ID)				
10	821-5004-02	8	Screw, Self-Locking – Hex Washer Head (3/8-16 x 3/4")				

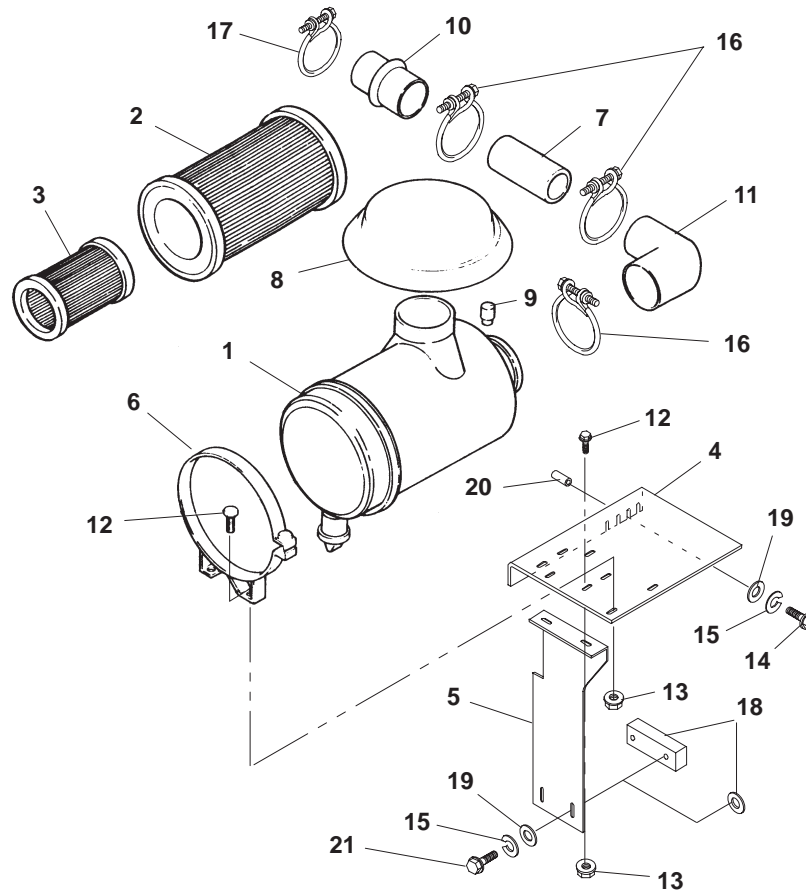
Air Cleaner Heavy Duty DQAA, DQAB



D036

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-2637	1	Cleaner, Air (Includes Elements)	15	800-0130	4	Screw, Cap – Hex Head (5/8-11 x 1")
2	140-2636	1	Element, Filter (Outer)	16	821-0029	8	Screw, Self-Locking – Hex Washer Head (3/8-16 x 3/4")
3	140-2638	1	Element, Filter (Inner)	17	870-0281	8	Nut, Hex – Locking (3/8-16)
4	140-2632	1	Bracket, Mounting	18	850-2012	2	Washer, Lock – Spring (M12)
5	140-1415	1	Elbow, Hose – 90 Deg	19	850-0070	4	Washer, Lock – Spring (5/8")
6	140-1347	1	Hood, Air Inlet	20	140-1548	1	Indicator, Service
7	140-2633-01	1	Tube, Air Inlet	21	140-1260	1	Fitting, Service Indicator
8	503-1788	1	Elbow, Hose – 68 Deg	22	140-2656	1	Bracket, Mounting
9	140-2607-03	1	Tube, Air Inlet	23	140-2655	1	Bracket, Mounting
10	140-1899	1	Tube, Reducer (5-1/2" to 4")	24	526-2140	2	Washer, Flat (M12)
11	503-1870-07	1	Clamp, Hose	25	526-0112	4	Washer, Flat (5/8")
12	503-1870-11	5	Clamp, Hose				
13	140-0757	2	Band, Mounting				
14	800-2111	2	Screw, Cap – Hex Head (M12 x 25mm)				

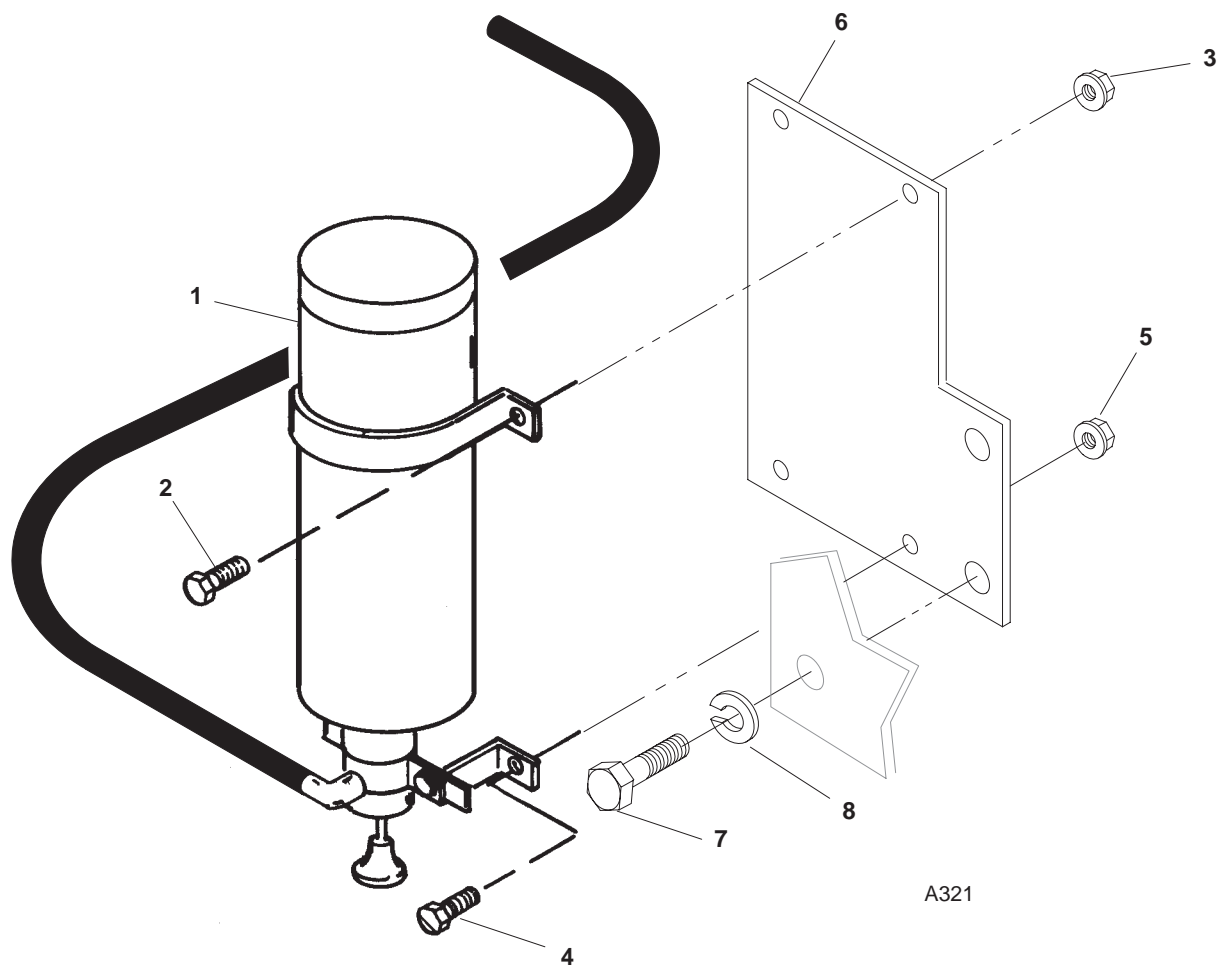
Air Cleaner Heavy Duty DQBA, DQBB



D036

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-2390	1	Cleaner, Air (Includes Elements)	14	801-0124	2	Screw, Cap – Hex Head (5/8-18 x 3-1/4")
2	140-2392	1	Element (Outer)	15	850-0070	4	Washer, Lock – Spring (5/8")
3	140-2393	1	Element (Inner)	16	503-1870-14	3	Clamp, Hose
4	140-3102	1	Bracket, Mounting	17	503-1870-11	1	Clamp, Hose
5	140-3103	1	Bracket, Mounting	18	140-2388	1	Spacer
6	140-2052	2	Band, Mounting				Spacer – Used Without Starting Aid Option
7	140-2395-02	1	Tube, Air Inlet (7" ID x 13")				Flat Washer (Used As A Spacer) (5/8") Used With Starting Aid Option (Quantity Used As Required)
8	140-1545	1	Hood, Air Cleaner	526-0112		1	
9	140-1548	1	Indicator, Service				
10	503-1675	1	Hose, Reducer (7" ID x 5-1/2" ID)	19	526-0112	4	Washer, Flat (5/8")
11	503-0970	1	Elbow, Hose – 90 Deg (7" ID)	20	403-4115-01	2	Spacer
12	821-5004-02	6	Screw, Self-Locking – Hex Washer Head (3/8-16 x 3/4")	21	800-0132	2	Screw, Cap – Hex Head (5/8-11 x 1-1/2")
13	870-0550-09	6	Nut, Hex – Flange Head (3/8-16)				

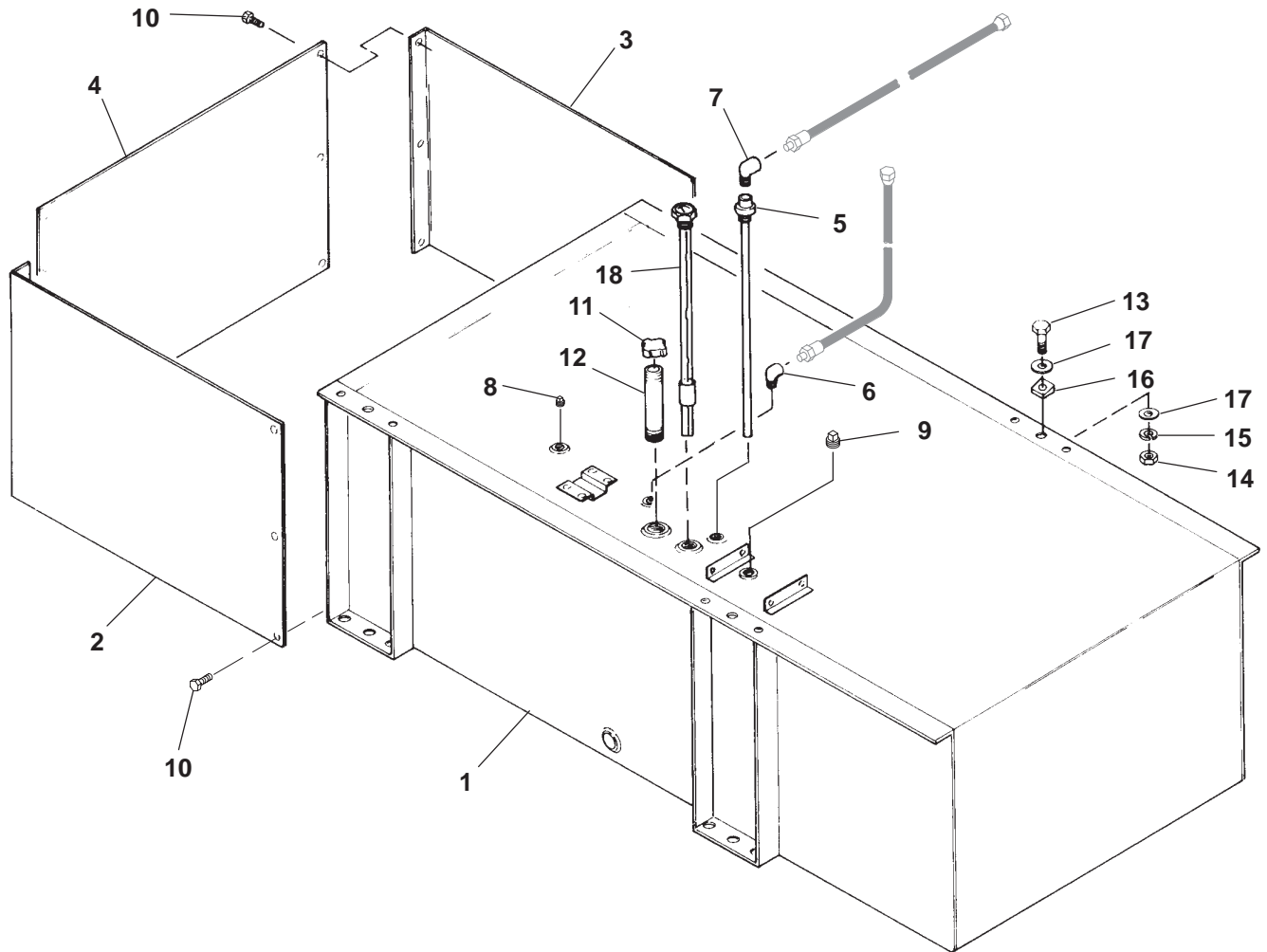
Starting Aid



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-2306-01	1	Aid, Starting (Includes Valve Assembly, 48" Nylon Tube, Cylinder Clamp, Atomizer, Instructions and Label)
2	821-0016	2	Screw, Self-Locking – Hex Washer Head (5/16-18 x 3/4")
3	870-0257	2	Nut, Hex – Locking (5/16-18)
4	821-0018	2	Screw, Self-Locking – Hex Washer Head (1/4-20 x 5/8")

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
5	870-0212	2	Nut, Hex – Locking (1/4-20)
6	140-2801	1	Bracket, Mounting – DQBA, DQBB
7	800-0130	2	Screw, Cap – Hex Head (5/8-11 x 1") DQBA, DQBB
8	850-0070	2	Washer, Lock – Spring (5/8") DQBA, DQBB

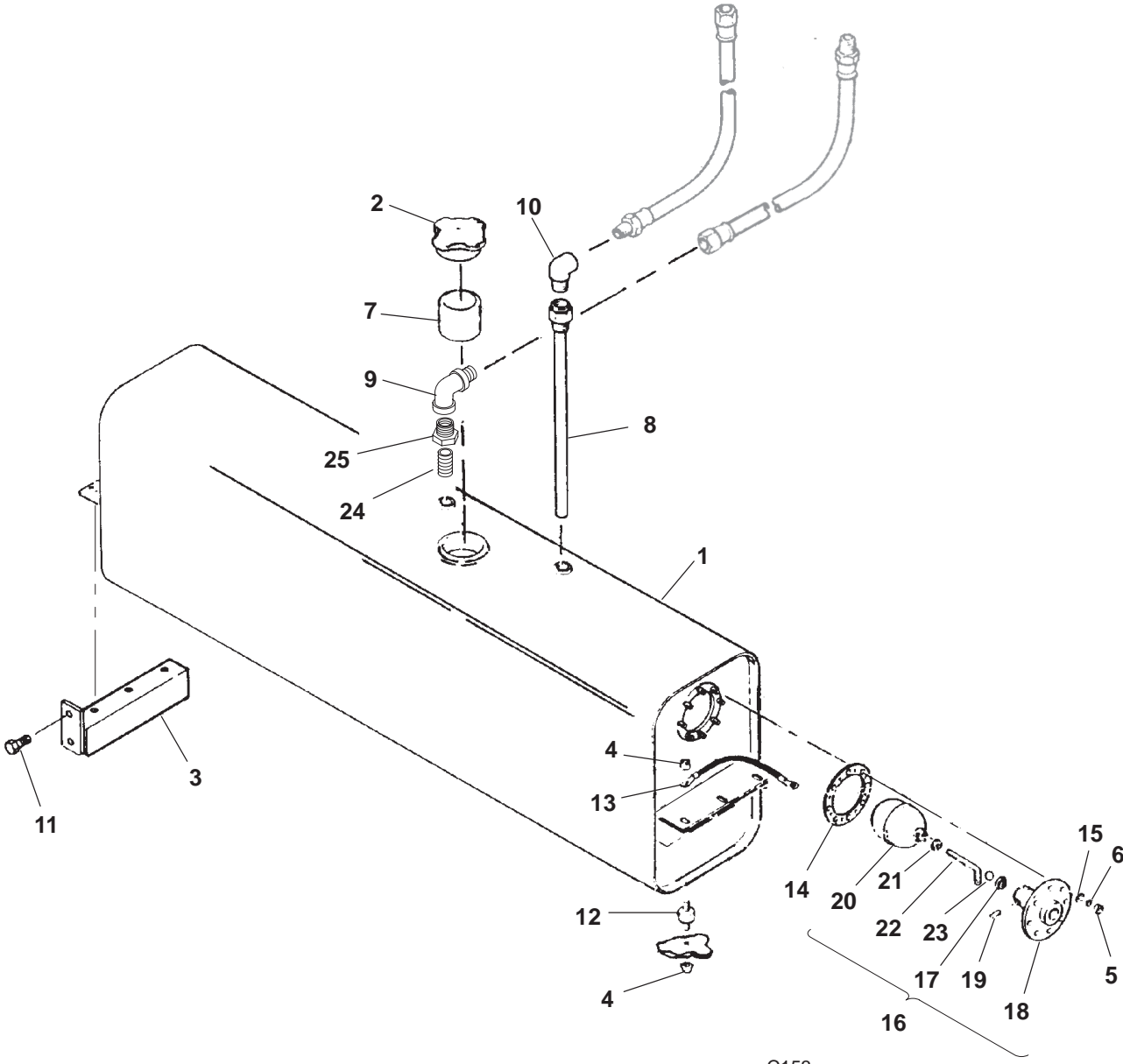
Subbase Fuel Tank DQAA, DQAB



C150

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	159-1300	1	Tank, Fuel (169 Gallon)	10	821-5002-04	12	Screw, Self-Locking – Hex Washer Head – W/Captive Washer (1/4-20 x 5/8")
2	159-1249-01	1	Wrapper, Fuel Tank (Left Side)	11	159-1208-01	1	Cap, Fuel
3	159-1249-02	1	Wrapper, Fuel Tank (Right Side)	12	505-0748	1	Nipple, Pipe (2" x 9")
4	159-1244	1	Cap, End – Fuel Tank	13	800-0135	4	Screw, Cap – Hex Head (5/8-11 x 2-1/4")
5	415-0566-09	1	Pipe, Suction	14	862-0007	4	Nut, Hex (5/8-11)
6	505-0120	1	Elbow, Pipe – Street – 90 Deg (3/8")	15	850-0070	4	Washer, Lock – Spring (5/8")
7	505-0050	1	Elbow, Pipe – Street – 90 Deg (1/2")	16	403-3362	4	Washer, Bevel
8	505-0110	1	Plug, Pipe – Square Head (3/8")	17	526-0112	4	Washer, Flat (5/8")
9	505-0359	1	Plug, Pipe – Square Head (1-1/4")	18	415-0565-09	1	Gauge, Liquid Level

Day Tank
Without Pump and Control

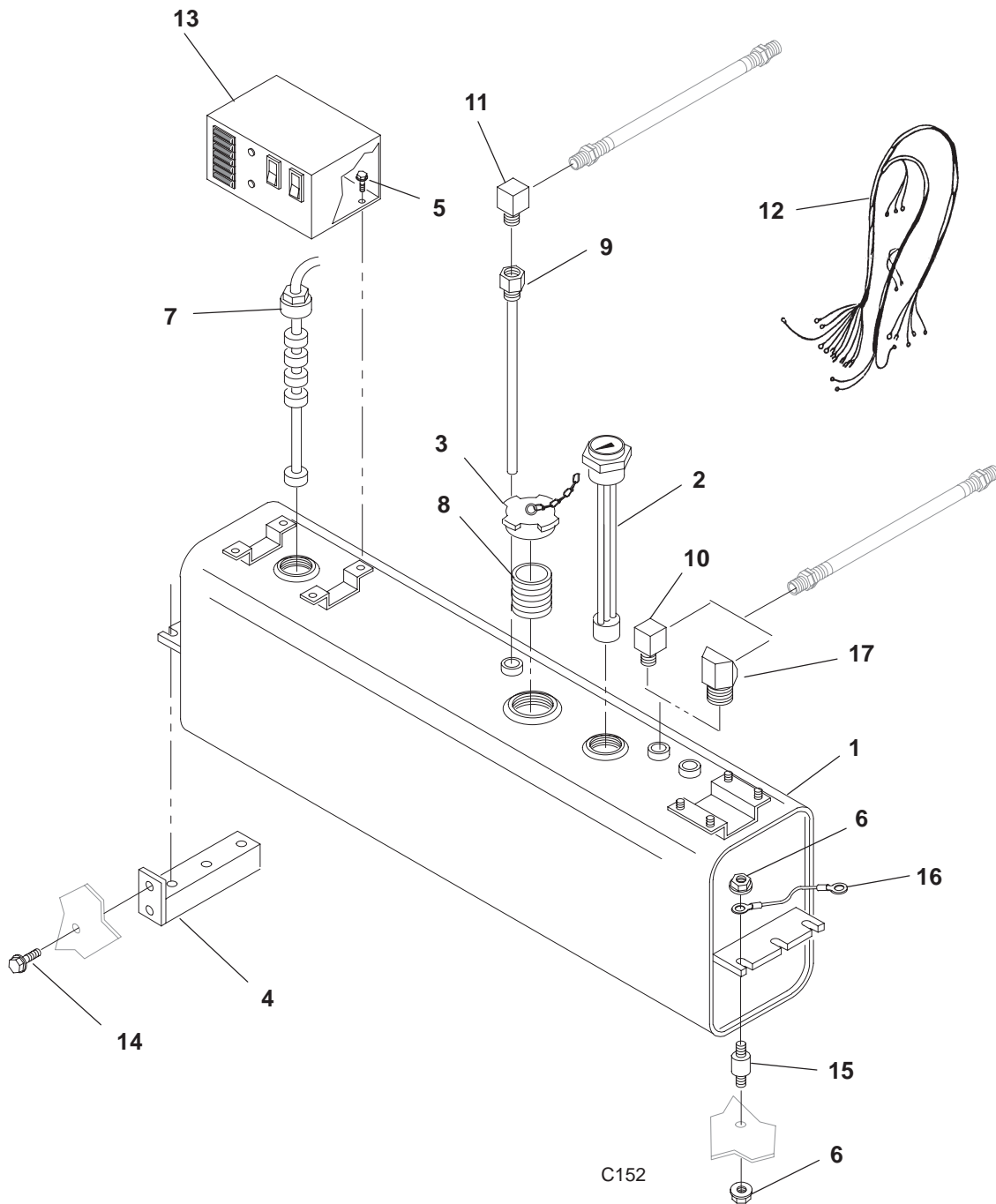


C153

Day Tank Without Pump and Control

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	415-0728	1	Tank, Day DQAA, DQAB (19 Gallons) (43-1/4"L x 8-1/2"W x 13-5/16"H) DQBA, DQBB	10	505-0050	1	Elbow, Street – 90 Deg (1/2")
	415-0648	1	11 Gallons (30-3/8"L x 6-1/4"W x 16"H)	11			Screw, Self-Locking – Hex Washer Head
	415-0649-01	1	25-1/2 Gallons (45"L x 9-1/2"W x 15"H)		821-0030	2	DQAA, DQAB (3/8-16 x 1")
2	159-1208	1	Cap, Fuel		821-5003-03	2	DQBA, DQBB (5/16-18 x 3/4")
3	159-1299	1	Bracket, Mounting DQAA, DQAB DQBA, DQBB	12			Isolator, Vibration
	159-1311	1	Used With 11 Gallon Tank		402-0610	6	DQAA, DQAB DQBA, DQBB
	159-1218	1	Used With 25-1/2 Gallon Tank		402-0610	4	Used With 11 Gallon Tank
					402-0610	6	Used With 25-1/2 Gallon Tank
4			Nut, Locking – Hex Head (1/4-20)	13	337-2402	1	Cable, Ground (5-1/2")
	870-0212	9	DQAA, DQAB	14	415-0660	1	Gasket
			DQBA, DQBB	15	526-0008	8	Washer, Flat (#10)
	870-0212	8	Used With 11 Gallon Tank	16	415-0657	1	Valve Assembly, Float (Includes Parts Marked *)
	870-0212	9	Used With 25-1/2 Gallon Tank	17	415-0656-21	1	* Seal, Ring
5			Nut, Hex (#10-32)	18	415-0650-01	1	* Body, Valve
	867-0028	8	DQAA, DQAB	19	415-0651-19	1	* Pin, Roll
	870-0131	8	DQBA, DQBB	20	415-0652	1	* Ball, Float
6	853-1008	8	Washer, Lock – W/ET (#10) DQAA, DQAB	21	864-0011	1	* Nut, Jam (1/4-20)
7	505-0172	1	Nipple, Pipe – Close (2")	22	415-0654	1	* Arm, Float
8			Pipe, Suction	23	415-0655	1	* Ball, Steel
	415-0566-15	1	DQAA, DQAB	24	505-0098	1	Nipple, Pipe – Close (1/8") DQBA, DQBB With 11 Gallon Tank
	415-0566-05	1	DQBA, DQBB	25	505-0395	1	Bushing, Pipe – Reducer (3/8" to 1/8") DQBA, DQBB With 11 Gallon Tank
9			Elbow, Street – 90 Deg (3/8")				
	505-0120	1	DQAA, DQAB DQBA, DQBB				
	505-0039	1	Used With 11 Gallon Tank				
	505-0120	1	Used With 25-1/2 Gallon Tank				

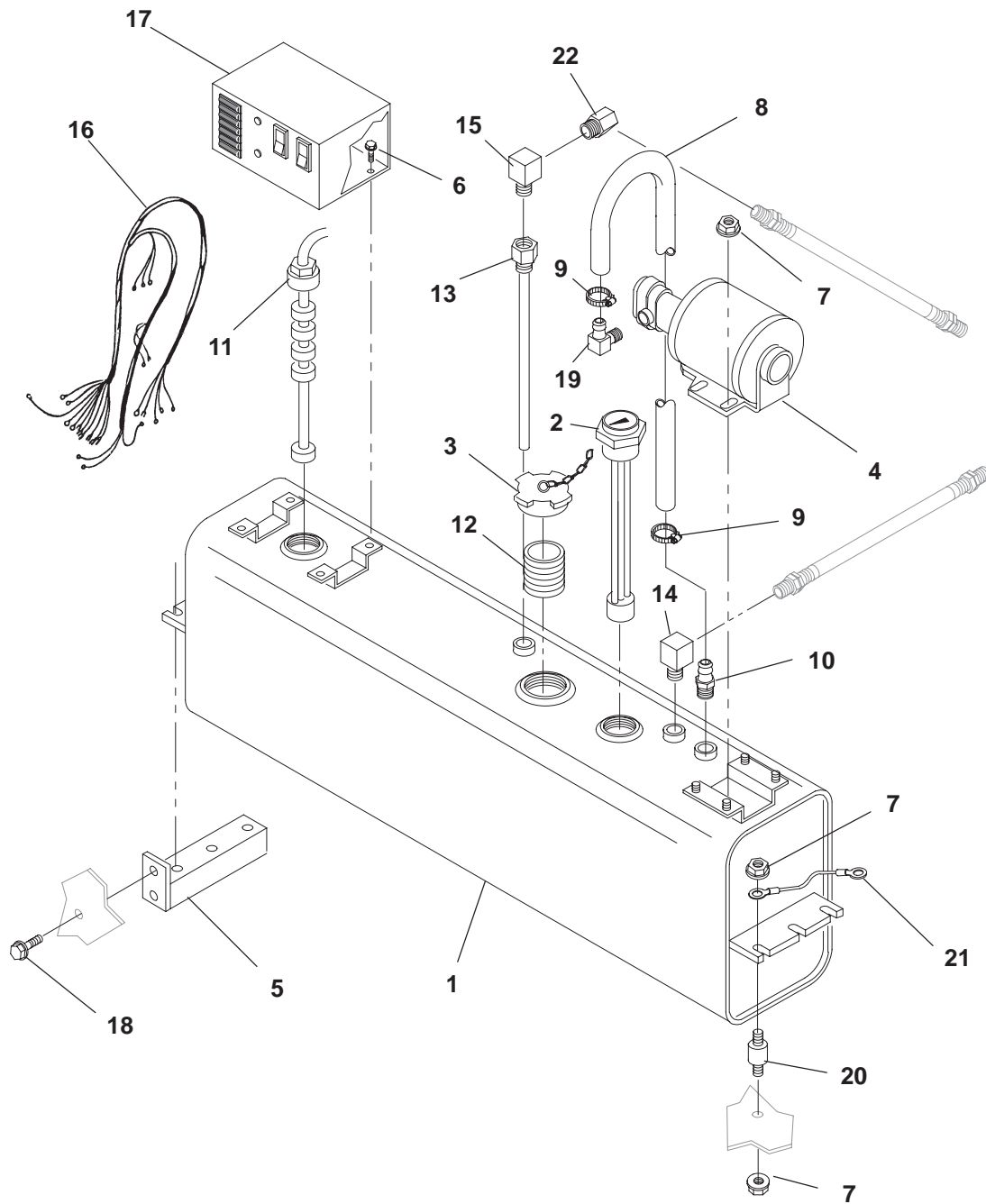
Day Tank With Control



Day Tank With Control

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Tank, Day	10			Elbow, Pipe – Street
	415-0727	1	DQAA, DQAB (19 Gallons) (43-1/4"L x 8-1/2"W x 13-5/16"H)		505-0120	1	DQAA, DQAB (3/8" x 90 Deg)
					505-0050	1	DQBA, DQBB (1/2" x 90 Deg)
	415-0592-01	1	DQBA, DQBB (25-1/2 Gallons) (45"L x 9-1/2"W x 15"H)	11			Elbow, Pipe – Street
					505-0050	1	DQAA, DQAB (1/2" x 90 Deg)
					505-0120	1	DQBA, DQBB (3/8" x 90 Deg)
2			Gauge, Liquid Level	12			Harness, Wiring – Fuel Tank Control to Starter
	415-0565-15	1	DQAA, DQAB		338-2809	1	DQAA, DQAB (2 Wire, 70")
	415-0565-05	1	DQBA, DQBB		338-2442	1	DQBA, DQBB (2 Wire, 45")
3	159-1208	1	Cap, Fuel	13	625-2141-01	1	Control, Fuel Tank (See Separate Page For Components)
4			Bracket, Mounting				Screw, Self-Locking – Hex Washer Head
	159-1299	1	DQAA, DQAB				DQAA, DQAB (3/8-16 x 1")
	159-1218	1	DQBA, DQBB	14			DQBA, DQBB (5/16-18 x 3/4")
5	821-5002-04	4	Screw, Self-Locking – Hex Washer Head (1/4-20 x 5/8")		821-0030	2	
6	870-0212	9	Nut, Locking – Hex Head (1/4-20)		821-5003-03	2	
7			Switch, Float (5 Float)	15	402-0610	6	Isolator, Vibration
	308-0913-06	1	DQAA, DQAB	16	337-2402	1	Cable, Ground (5-1/2")
	308-0913-01	1	DQBA, DQBB	17	505-0248	1	Elbow, Pipe – Street (1/2" x 45 Deg) DQBA, DQBB
8	505-0172	1	Nipple, Pipe – Close (2")				
9			Pipe, Suction				
	415-0566-15	1	DQAA, DQAB				
	415-0566-05	1	DQBA, DQBB				

Day Tank With Pump and Control

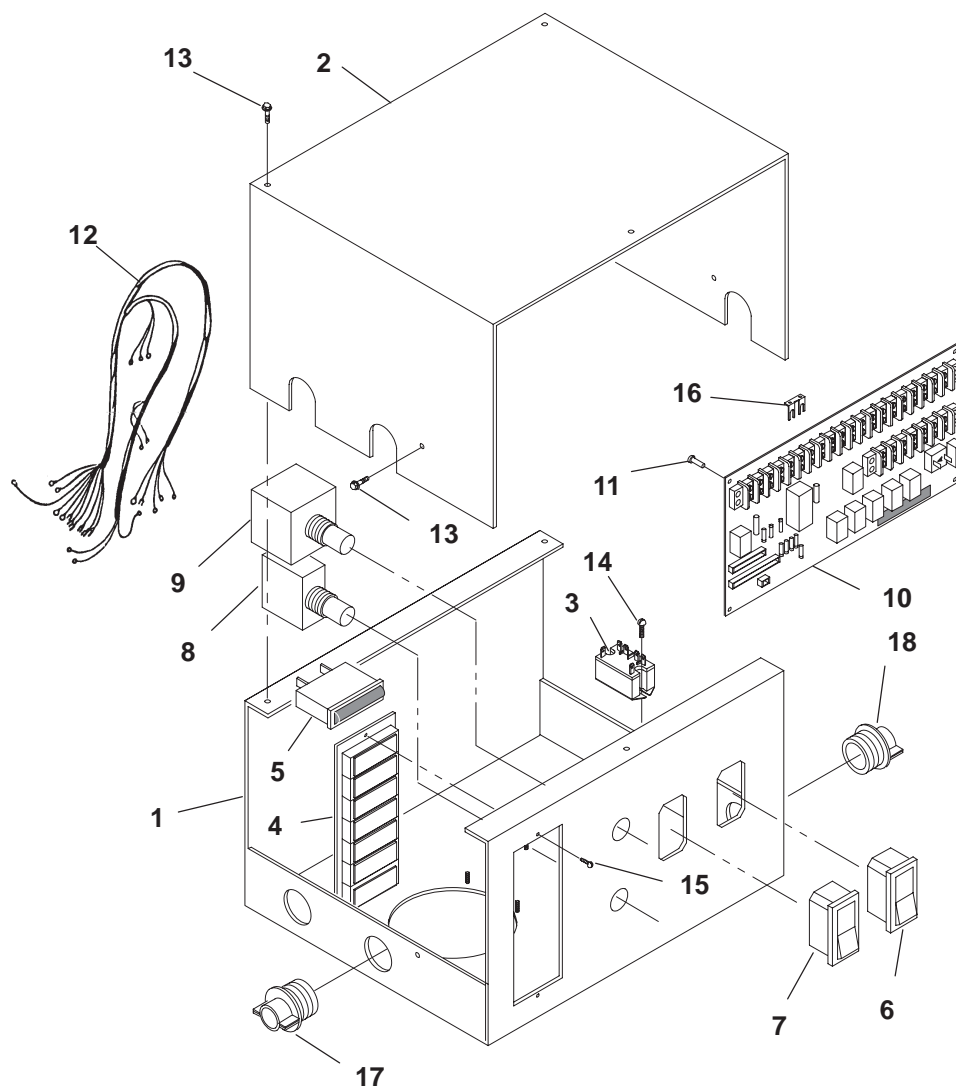


C024

Day Tank With Pump and Control

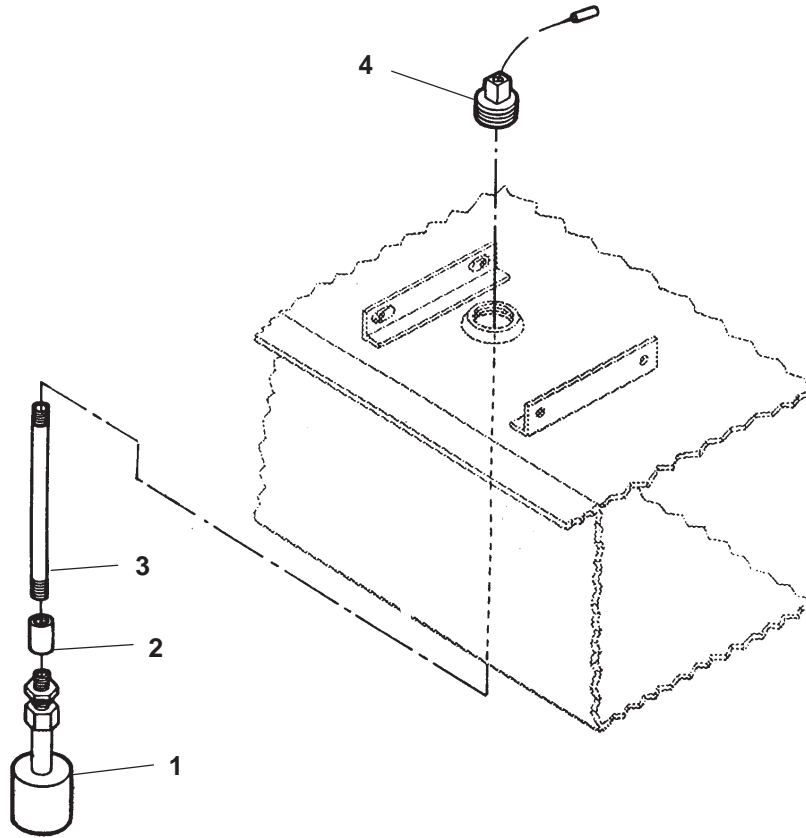
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Tank, Day	11			Switch, Float (5 Float)
	415-0727	1	DQAA, DQAB (19 Gallons) (43-1/4"L x 8-1/2"W x 13-5/16"H)		308-0913-06	1	DQAA, DQAB
					308-0913-01	1	DQBA, DQBB
	415-0592-01	1	DQBA, DQBB (25-1/2 Gallons) (45"L x 9-1/2"W x 15"H)	12	505-0172	1	Nipple, Pipe – Close (2")
				13			Pipe, Suction
					415-0566-15	1	DQAA, DQAB
					415-0566-05	1	DQBA, DQBB
2			Gauge, Liquid Level	14	505-0120	1	Elbow, Pipe – Street (3/8" x 90 Deg)
	415-0565-15	1	DQAA, DQAB				
	415-0565-05	1	DQBA, DQBB	15	505-0050	1	Elbow, Pipe – Street (1/2" x 90 Deg)
3	159-1208	1	Cap, Fuel				Harness, Wiring
4	399-0117	1	Pump, Fuel Transfer (Includes Coupler) (P103)	16			Fuel Transfer Pump to Fuel Tank Control
	399-0121	1	Kit, Repair – Fuel Tank Pump (Includes Lip Seal, Bearings, Gasket, Drive Gear, Idle Gear and Coupler) (Not Illustrated)		338-2800	1	DQAA, DQAB (5 Wire, 49-1/2")
					338-2397	1	DQBA, DQBB (5 Wire, 40")
							Fuel Tank Control to Starter
	399-0122	1	Coupler, Pump (Drive Piece Between Motor and Pump) (Not Illustrated)		338-2809	1	DQAA, DQAB (2 Wire, 70")
					338-2442	1	DQBA, DQBB (2 Wire, 45")
	399-0123	1	Pump (Not Illustrated)	17	625-2141-01	1	Control, Fuel Tank (See Separate Page For Components)
	399-0124	1	Motor (Not Illustrated)				
5			Bracket, Mounting	18			Screw, Self-Locking – Hex Washer Head
	159-1299	1	DQAA, DQAB		821-0030	2	DQAA, DQAB (3/8-16 x 1")
	159-1218	1	DQBA, DQBB		821-5003-03	2	DQBA, DQBB (5/16-18 x 3/4")
6	821-5002-04	4	Screw, Self-Locking – Hex Washer Head (1/4-20 x 5/8")				
7	870-0212	13	Nut, Locking – Hex Head (1/4-20)	19	502-0942	1	Elbow, Hose – Brass – Barbed
8	503-1660-04	1	Hose, Fuel (5/8" ID x 18")	20	402-0610	6	Isolator, Vibration
9	503-0183	2	Clamp, Hose	21	337-2402	1	Cable, Ground (5-1/2")
10	502-0943	1	Connector, Hose	22	505-0248	1	Elbow, Pipe – Street (1/2" x 45 Deg)

Fuel Tank Control



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	625-2141-01	1	Control, Fuel Tank – Complete (Includes Parts Listed Below)	9	320-1654	1	Breaker, Circuit – AC (Double Pole) (CB101)
1	319-0486	1	Box, Control	10	300-3464	1	Board, Printed Circuit
2	319-0485	1	Cover, Box	11	870-0458	4	Spacer, Board – Printed Circuit
3	307-2677-02	1	Relay, Pump (K130)	12	338-2382	1	Harness, Wiring – Control Box
4	322-0403-02	1	Light, Assembly, Indicator – 7 Light (Includes Wiring Harness)	13	815-0350	5	Screw, Self-Tapping – Slotted Hex Washer Head (#10-32 x 3/8")
5	322-0369-02	1	Lamp, Indicator – Replacement	14	812-0075	2	Screw, Machine – Round Head (#8-32 x 1/4")
6	308-0912	1	Switch, Rocker (On/Off/ Emergency Run) (S102)	15	815-0385	2	Screw, Machine – Round Head (#6-32 x 1/2")
7	308-0852	1	Switch, Rocker (Reset/Off/Test) (S111)	16	332-2605	2	Jumper, Terminal
8	320-1653	1	Breaker, Circuit – DC (Single Pole) (CB107)	17	331-0027	2	Connector, Romex
				18	331-0042	1	Connector, Knockout

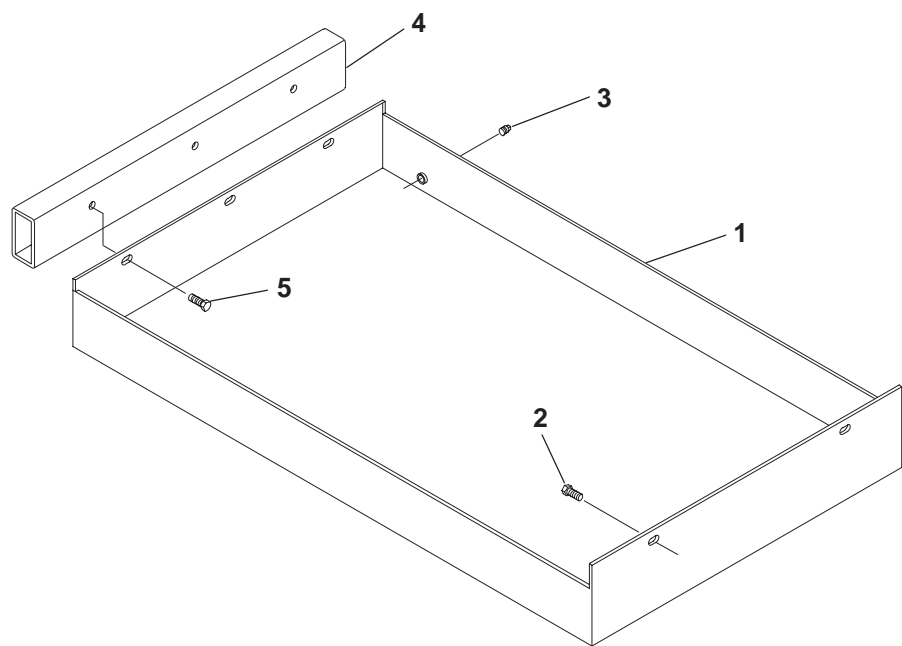
Low Fuel Alarm DQAA, DQAB



C157

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	308-0963-01	1	Switch, Basin	4	505-1050	1	Plug, Pipe – Square Head (1-1/4")
2	505-0026	1	Coupling, Pipe (1/8")				
3	505-1458-04		Nipple, Pipe (1/8")				

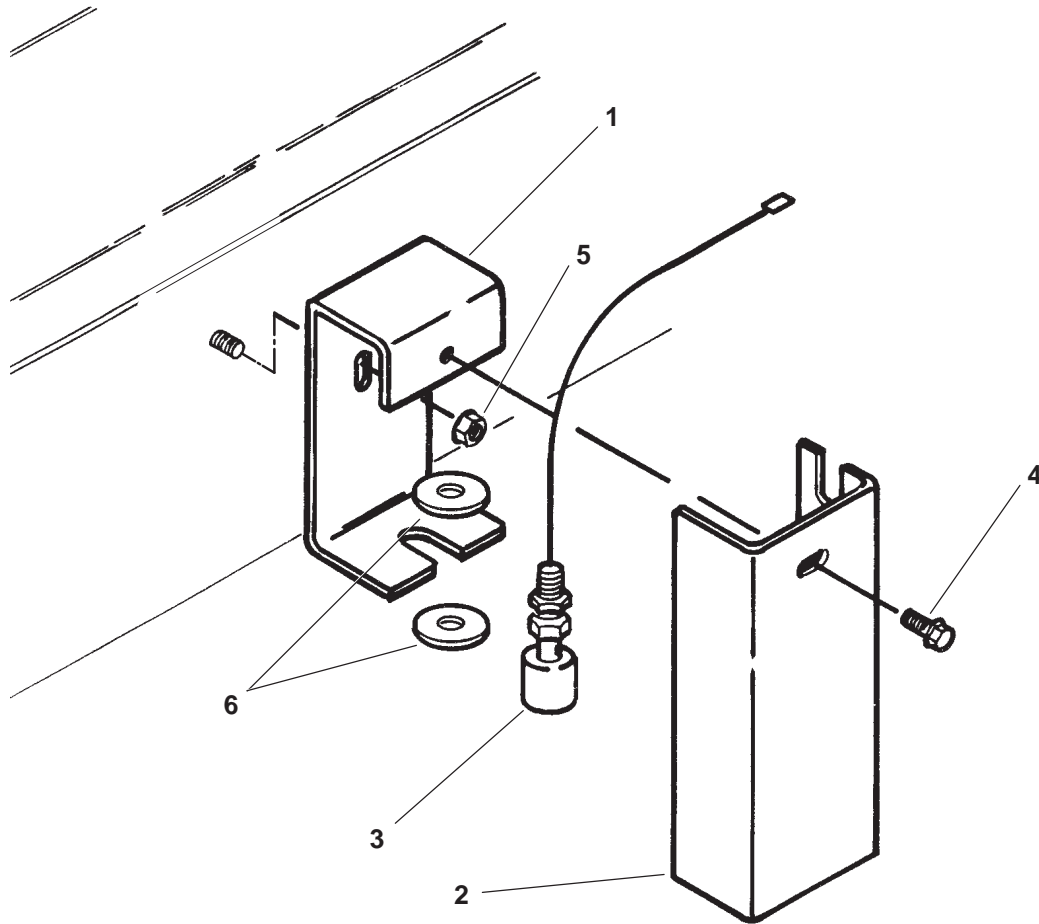
Rupture Basin



C142

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	159-1390	1	Basin, Rupture	3	505-0055	1	Plug, Pipe – Square Head (1/4")
	159-1217	1	DQAA, DQAB	4	415-0806	1	Spacer, Mounting – DQAA, DQAB
2			DQBA, DQBB	5	815-0836	3	Screw, Cap – Hex Head – Thread Forming (5/16-18 x 5/8")
	815-0236	2	Screw, Cap – Hex Head – Thread Forming (5/16-18 x 5/8")				DQAA, DQAB
	815-0236	4	DQAA, DQAB				1-1/2") DQAA, DQAB
			DQBA, DQBB				

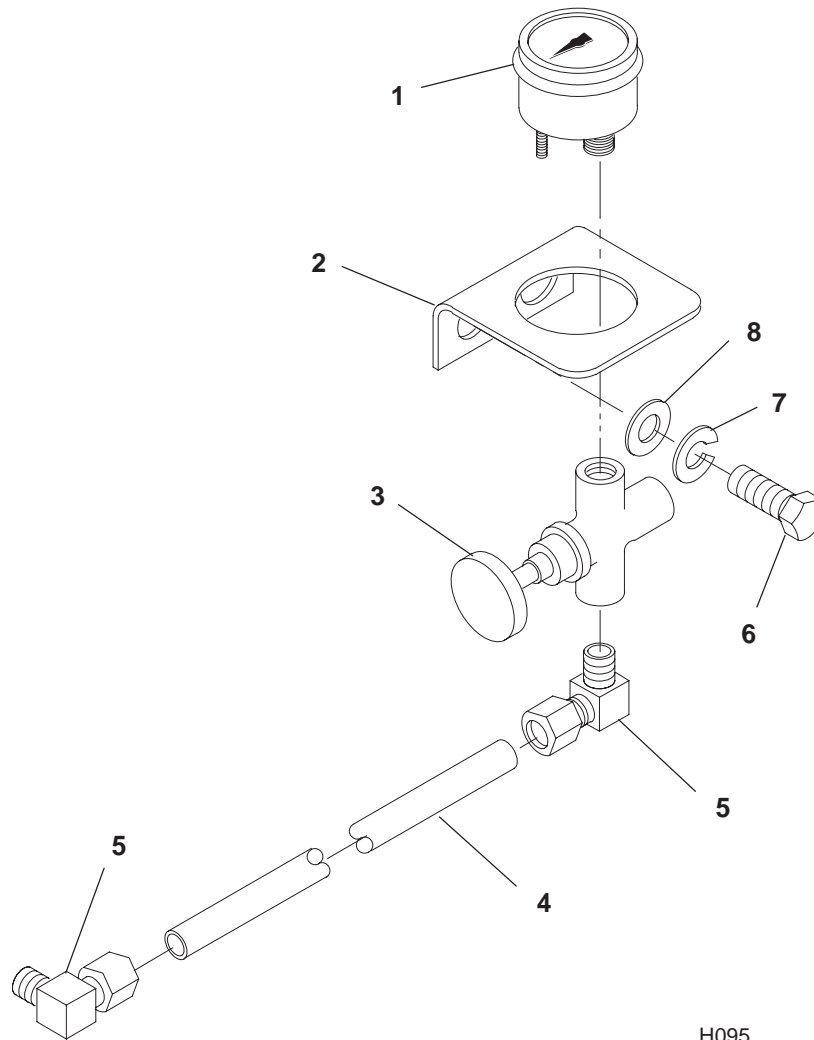
Float Switch



C158

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-0490	1	Bracket, Mounting	5	870-0257	1	Nut, Locking – Hex Flange (5/16–18)
2	319-0489	1	Cover, Switch	6	526-0029	2	Washer, Flat (3/8")
3	308-0916-01	1	Switch, Float – Basin				
4	821-5002-03	1	Screw, Self-Locking – Hex Washer Head (1/4–20 x 1/2")				

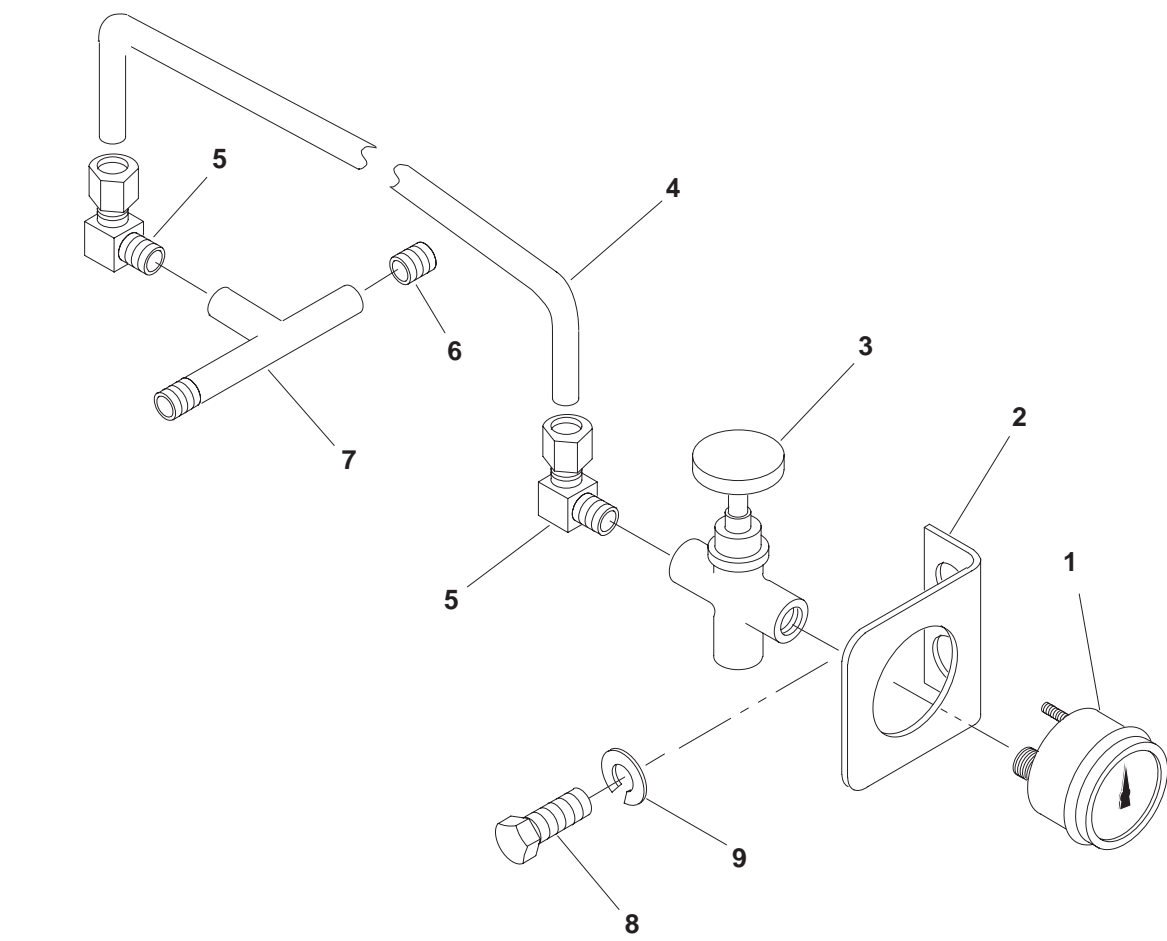
Fuel Pressure Gauge DQAA, DQAB



H095

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	193-0128	1	Gauge, Fuel Pressure (0-200 Lbs) (Includes Mounting Hardware)	5	502-0034	2	Elbow, Male – Compression
2	193-0029	1	Bracket, Mounting	6	800-2085	1	Screw, Cap – Hex Head (M10 x 20mm)
3	504-0064	1	Valve	7	850-2010	1	Washer, Lock – Spring (M10)
4	370-4003	1	Tube, Copper (7')	8	526-0029	1	Washer, Flat (3/8")

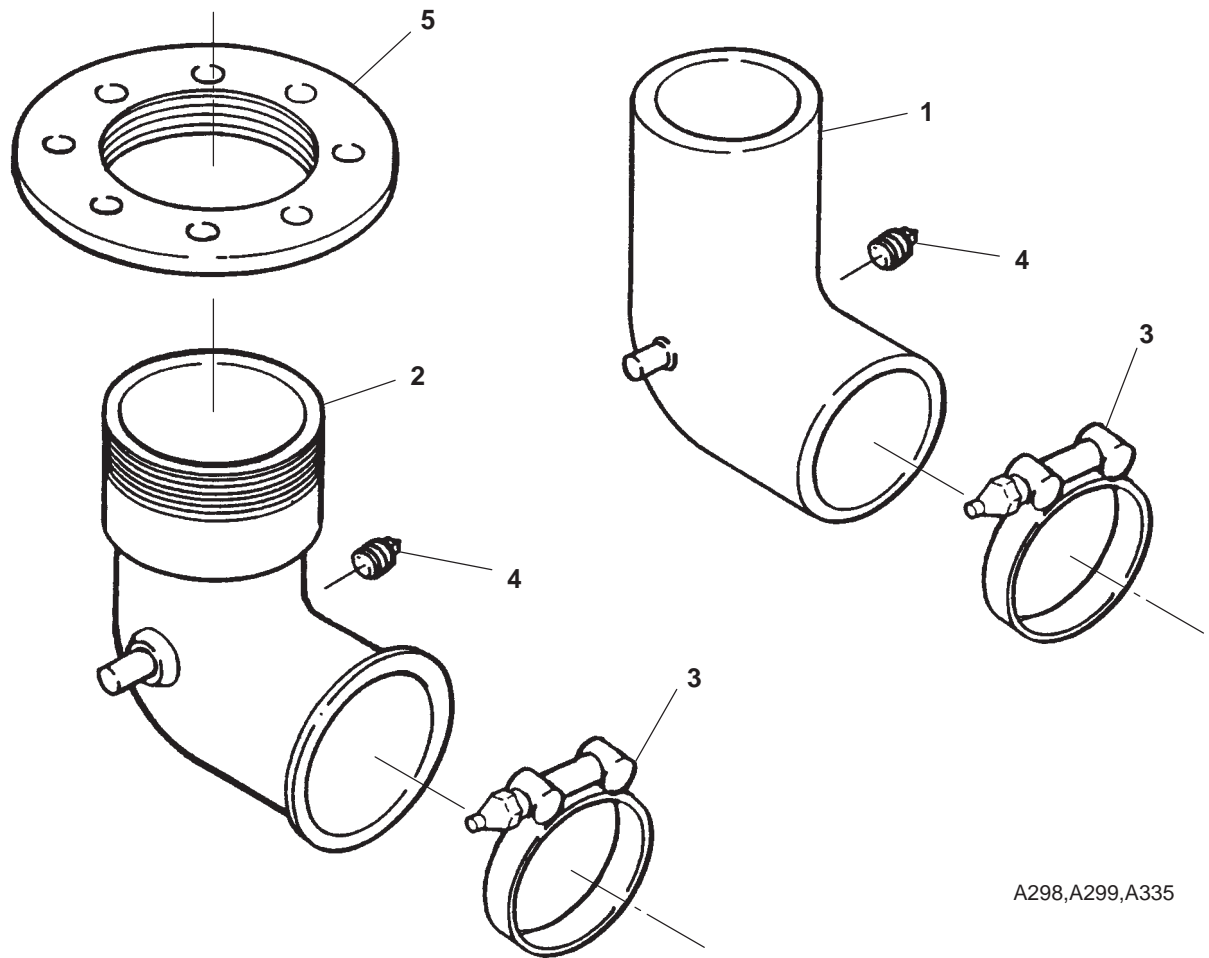
Fuel Pressure Gauge
DQBA, DQBB



H095

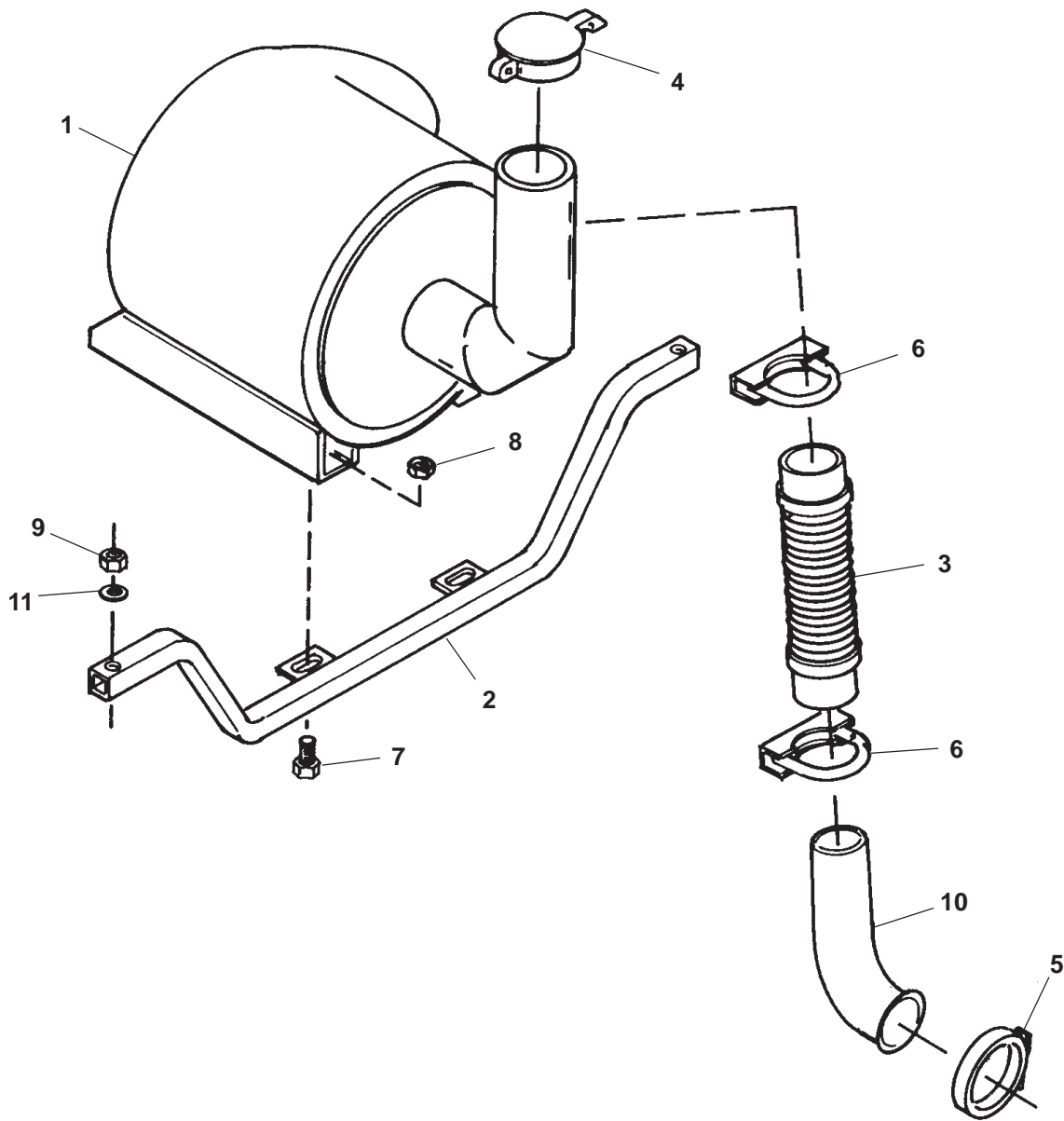
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	193-0128	1	Gauge, Fuel Pressure (0-200 Lbs) (Includes Mounting Hardware)	6	505-0098	1	Nipple, Pipe – Close (1/8" x 3/4")
2	193-0029	1	Bracket, Mounting	7	502-1226	1	Tee, Male Run (1/8")
3	504-0064	1	Valve	8	800-0218	1	Screw, Cap – Hex Head (9/16-18 x 7/8")
4	370-4003	1	Tube, Copper (7')	9	850-0065	1	Washer, Lock – Spring (9/16")
5	502-0034	2	Elbow, Male – Compression				

Exhaust Elbow



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Elbow, Exhaust – Without Threads	3			Clamp, V-Band
	155-2599	1	DQAA, DQAB (4" OD)		503-1575-01	1	DQAA, DQAB (4-3/4" ID)
	155-1241	1	DQBA, DQBB (5" OD)		503-1575	1	DQBA, DQBB (5-7/8" ID)
			(Includes Plug)	4	502-0080	1	Plug, Square Head (1/8") DQAA, DQAB
2			Elbow, Exhaust – With Threads	5			Flange, Companion (Not Used On All Models)
	155-2600	1	DQAA, DQAB (4" OD)		155-0663	1	DQAA, DQAB (4")
	155-2409	1	DQBA, DQBB (5" OD)		155-0658	1	DQBA, DQBB (5")
			(Includes Plug)				

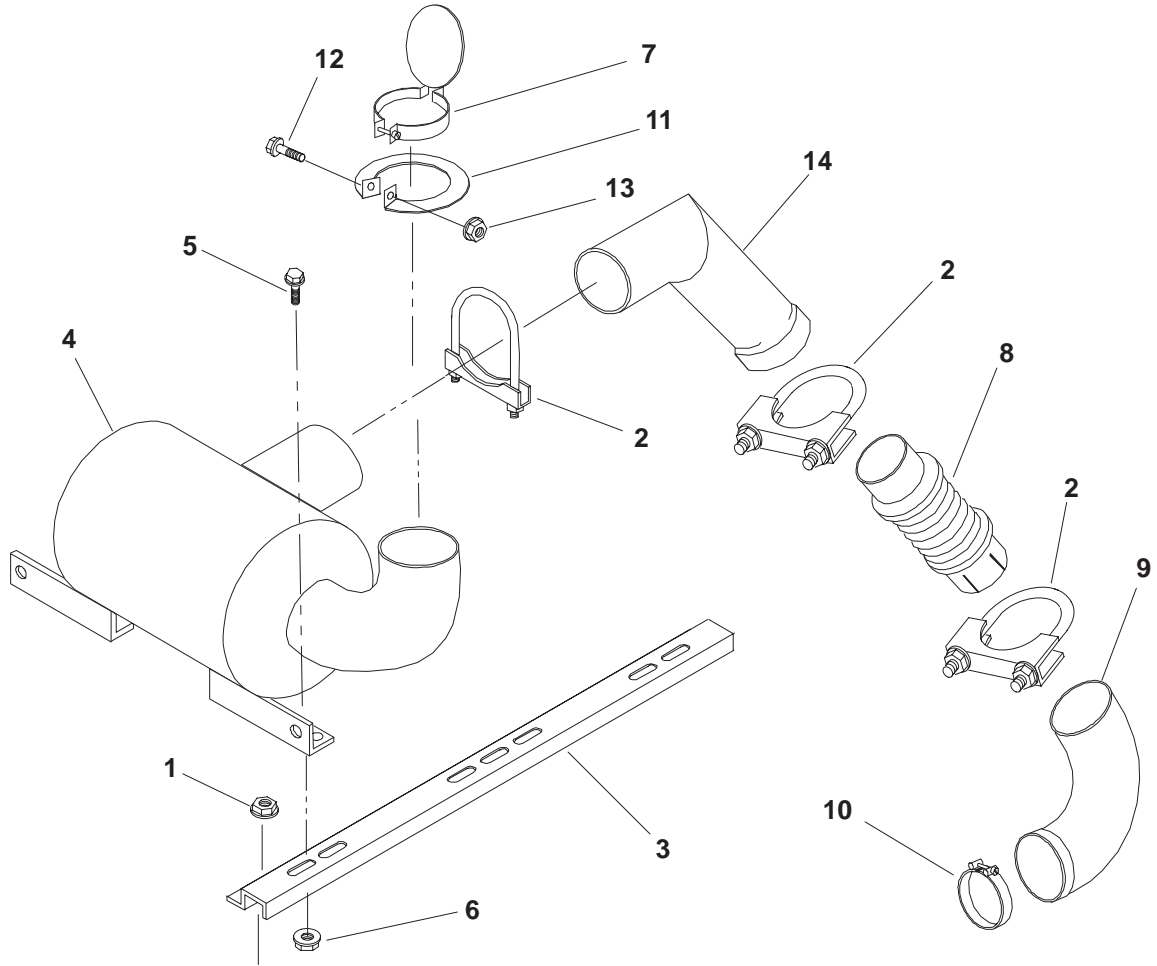
Muffler DQAA, DQAB



A076, 276

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-2583	1	Muffler	7	821-0033	4	Screw, Self-Locking – Hex Washer Head (7/16-14 x 3/4")
2	155-2582	2	Bracket, Mounting	8	870-0437	4	Nut, Lock (7/16-14)
3	155-2584	1	Tubing, Flexible	9	870-0453	4	Nut, Lock – Nylon (3/8-16)
4	155-2062-05	1	Cap, Rain	10	155-2599	1	Elbow
5	503-1575-01	1	Clamp, V-Band	11	526-0026	4	Washer, Flat (3/8")
6	155-2305	2	Clamp, Muffler				

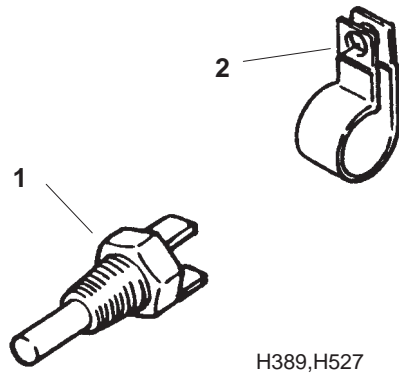
Muffler DQBA, DQBB



A076,276

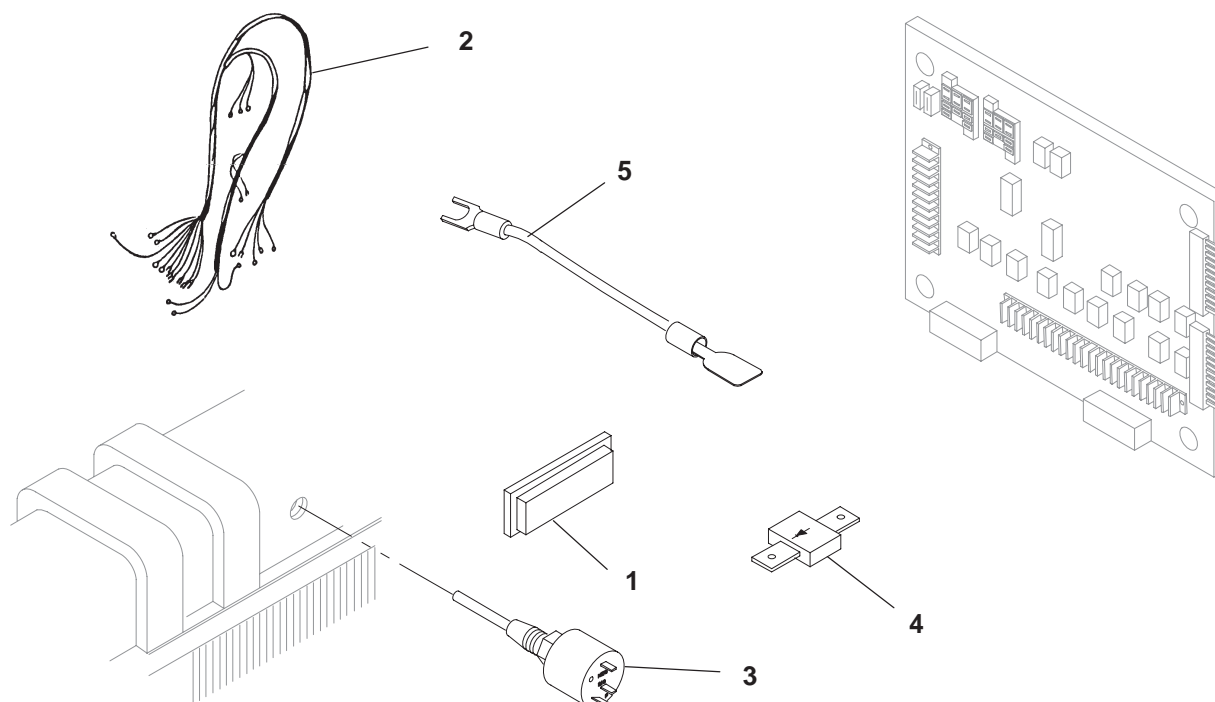
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	870-0257	4	Nut, Hex – Locking (5/16–18)	8	155-3135	1	Tubing, Flexible
2	155-2159	3	Clamp, Muffler	9	155-1241	1	Elbow, Exhaust
3	155-3159	2	Bracket, Mounting	10	503-1575	1	Clamp, V-Band
4	155-3155	1	Muffler	11	155-3139	1	Shield, Rain
5	821-0033	4	Screw, Cap – Hex Head (7/16–14 x 3/4")	12	821-5000-05	1	Screw, Cap – Hex Head (#10–32 x 1/2")
6	870-0437	4	Nut, Hex – Locking (7/16–14)	13	870-0320	1	Nut, Locking (#10–32)
7	155-2062-06	1	Cap, Rain	14	155-3154	1	Elbow, Exhaust

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



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	193-0467	1	Sender, Low Coolant Level (S7)	2			Clamp, Engine Harness
					518-0548-08	4	DQAA, DQAB
					518-0548-15	1	DQBA, DQBB

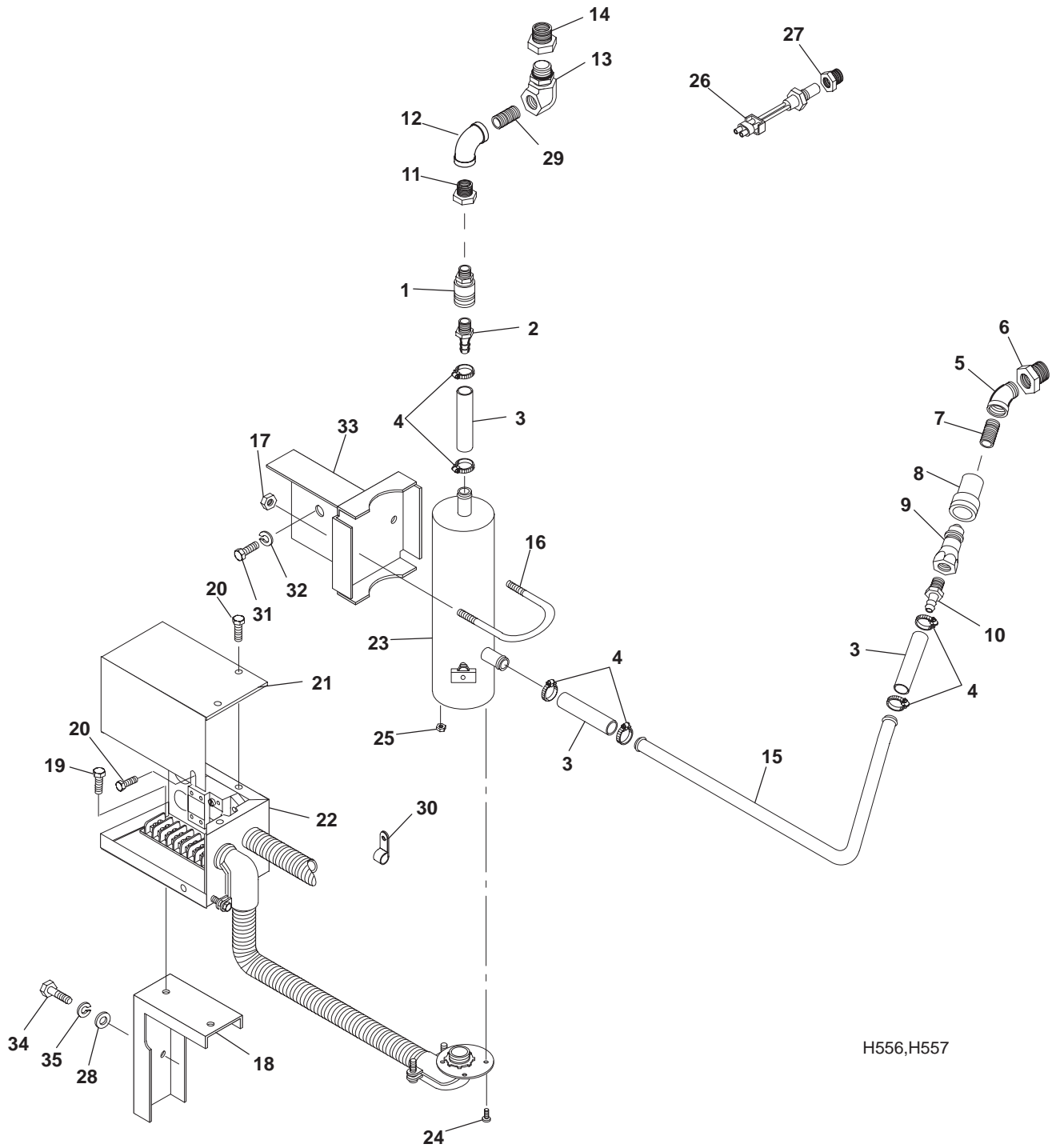
Low Coolant Level Sender With Continuously Monitored Low Coolant Level 12 Light Indicator Controls



H389

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

Coolant Heater DQAA, DQAB

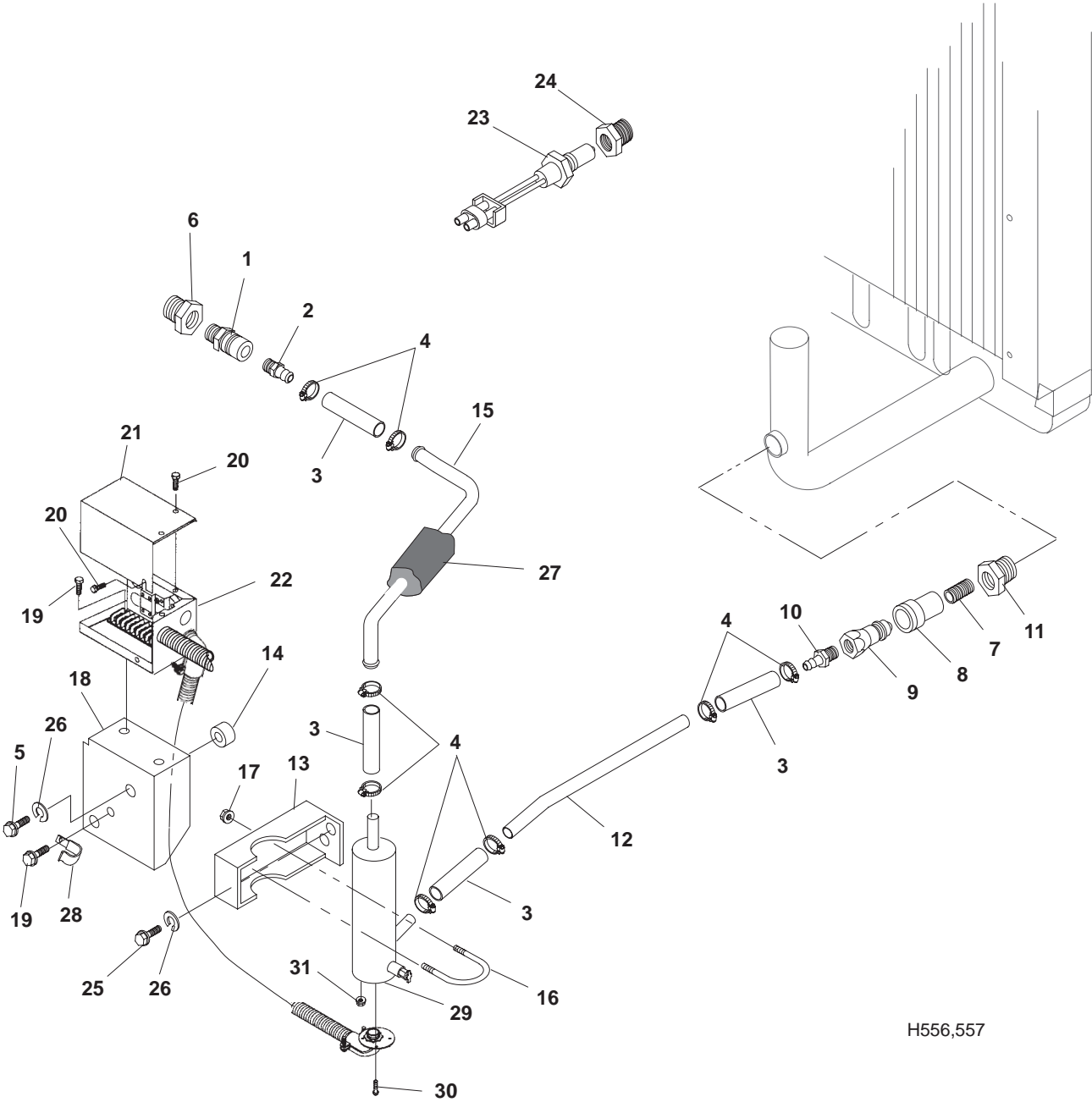


H556,H557

Coolant Heater DQAA, DQAB

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	502-1259	1	Coupler, Coolant Heater (1/2")	22	—	1	Control Assembly, Coolant Heater (See Separate Page For Components)
2	502-1257	1	Connector, Hose Barb (For 3/4" ID Hose)				Heater, Coolant (HTR)
3	503-1634-01	3	Hose, Silicon Rubber (3/4" ID x 4")	23			4990 Watt
4	503-1136	6	Clamp, Hose		333-0569-01	1	6420 Watt
5	505-0050	1	Elbow, Pipe – 90 Deg (1/2")		333-0569-02	1	
6	505-0022	1	Bushing, Reducer (1" to 1/2")	24	815-0539	3	Screw, Machine – Round Head Cross Recessed W/IT (#8-32 x 5/8")
7	505-0100	1	Nipple, Pipe (1/2")				
8	502-1260	1	Coupler, Coolant Heater	25	870-0131	3	Nut, Hex W/ET (#10-32)
9	502-1261	1	Nipple, Coolant Heater (1/2")	26	309-0649	1	Thermostat (S11)
10	502-0827	1	Connector, Hose Barb (For 3/4" ID Hose)	27	505-0019	1	Bushing, Reducer (1/2" x 3/8")
11	505-0021	1	Bushing, Reducer (3/4" x 1/2")	28	526-0029	2	Washer, Flat (3/8")
12	505-0132	1	Elbow, Pipe – 90 Deg (3/4")	29	505-0085	1	Nipple, Pipe (3/4")
13	505-1476	1	Elbow, 90 Deg (3/4")	30	332-3196	1	Clamp, "J" – Retainer – Wiring Harness (Coolant Heater Control Box Wiring Harness To Engine and Main Engine Harness)
14	502-1192	1	Bushing, Reducer				
15	130-4543	1	Tube, Coolant Heater				
16	155-3021	1	Clamp, Coolant Heater				
17	870-0550-09	2	Nut, Hex Flange (3/8-16)	31	800-0130	3	Screw, Cap – Hex Head (5/8-11 x 1")
18	319-2918	1	Bracket, Terminal Block				
19	821-5004-02	2	Screw, Self-Locking – Hex Washer Head (3/8-16 x 3/4")	32	850-0070	3	Washer, Lock – Spring (5/8")
20	821-5002-03	4	Screw, Self-Locking – Hex Washer Head (1/4-20 x 1/2")	33	130-4549	1	Bracket, Coolant Heater
21	319-2815	1	Cover, Control	34	800-0054	2	Screw, Cap – Hex Head (3/8-16 x 2")
				35	850-0103	2	Washer, Lock – Spring (3/8")

Coolant Heater
DQBA, DQBB

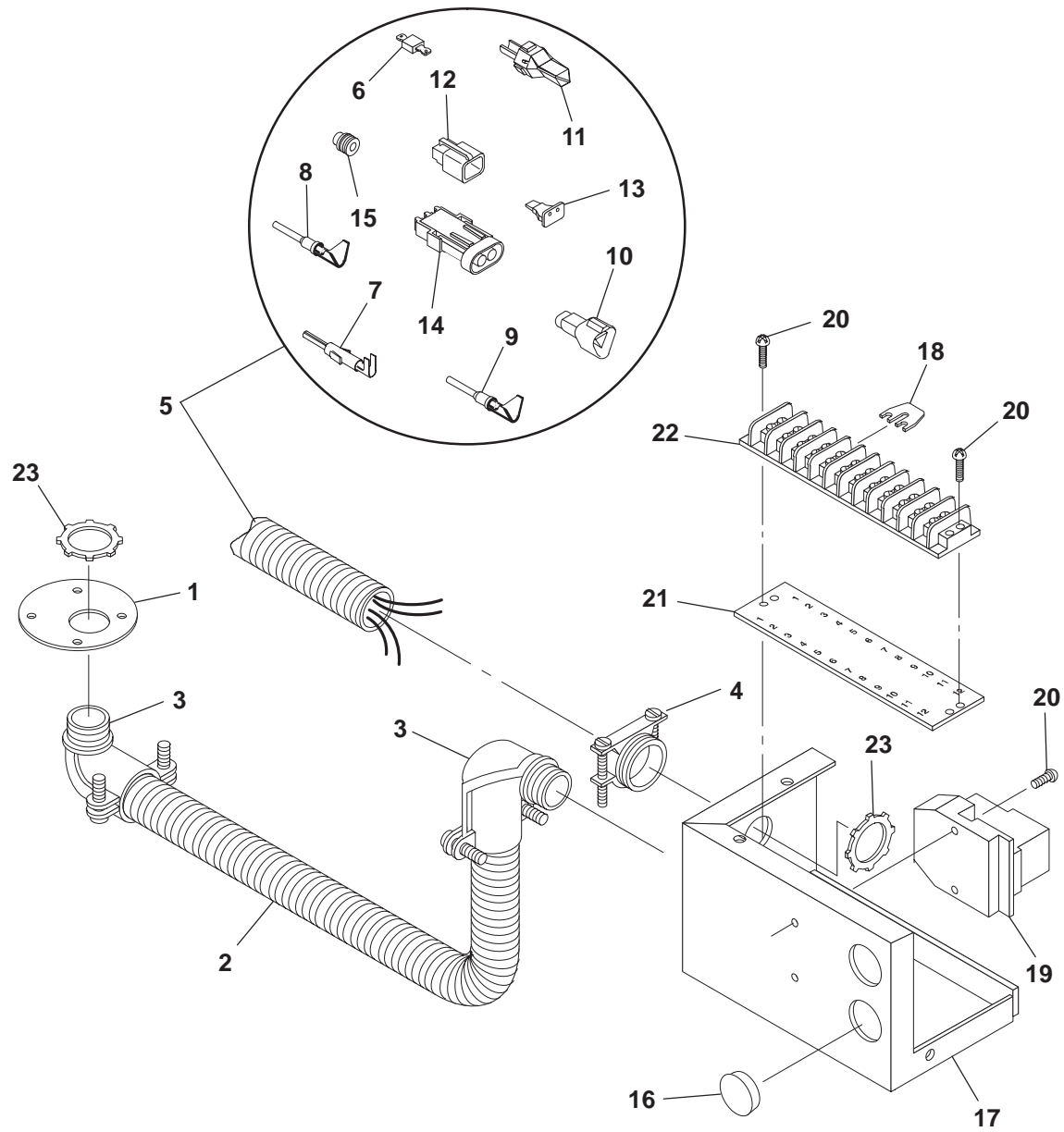


H556,557

Coolant Heater DQBA, DQBB

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	502-1259	1	Coupler, Coolant Heater (1/2")	20	821-5002-03	4	Screw, Self-Locking – Hex Washer Head (1/4–20 x 1/2")
2	502-1257	1	Connector, Hose Barb (For 3/4" ID Hose)	21	319-2815	1	Cover, Control
3	503-1634-01	4	Hose, Rubber (3/4" ID x 4")	22	–	1	Control Assembly, Coolant Heater (See Separate Page For Components)
4	503-1136	8	Clamp, Hose	23	309-0649	1	Thermostat (S11)
5	800-0132	2	Screw, Cap – Hex Head (5/8–11 x 1–1/2")	24	505-0019	1	Bushing, Reducer (1/2" to 3/8")
6	505-0022	1	Bushing, Reducer (1" to 1/2")	25	800-0130	2	Screw, Cap – Hex Head (5/8–11 x 1")
7	505-0100	1	Nipple, Pipe (1/2")	26	850-0070	4	Washer, Lock – Spring (5/8")
8	502-1260	1	Coupler, Coolant Heater	27	128-0108	–	Insulation – Bulk (3/4" ID) (Order By The Foot – 2 Feet Required)
9	502-1261	1	Nipple, Coolant Heater (1/2")	28	332-2634	1	Clamp, "J"
10	502-0827	1	Connector, Hose Barb (For 3/4" ID Hose)	29			Heater, Coolant (HTR)
11	505-0021	1	Bushing, Reducer (3/4" to 1/2")		333-0569-01	1	4990 Watt
12	130-4588	1	Tube, Coolant Heater (Lower)		333-0569-02	1	6420 Watt
13	130-4586	1	Bracket, Coolant Heater	30	815-0539	3	Screw, Machine – Round Head – Cross Recessed W/IT (#8–32 x 5/8")
14	370-4040	2	Spacer	31	870-0131	3	Nut, Hex – W/ET (#10–32)
15	130-4587	1	Tube, Coolant Heater (Upper)				
16	155-3021	1	Clamp, Coolant Heater				
17	870-0550-09	2	Nut, Hex Flange (3/8–16)				
18	319-2915	1	Bracket, Terminal Block				
19	821-5004-02	3	Screw, Self-Locking – Hex Washer Head (3/8–16 x 3/4")				

Coolant Heater Control

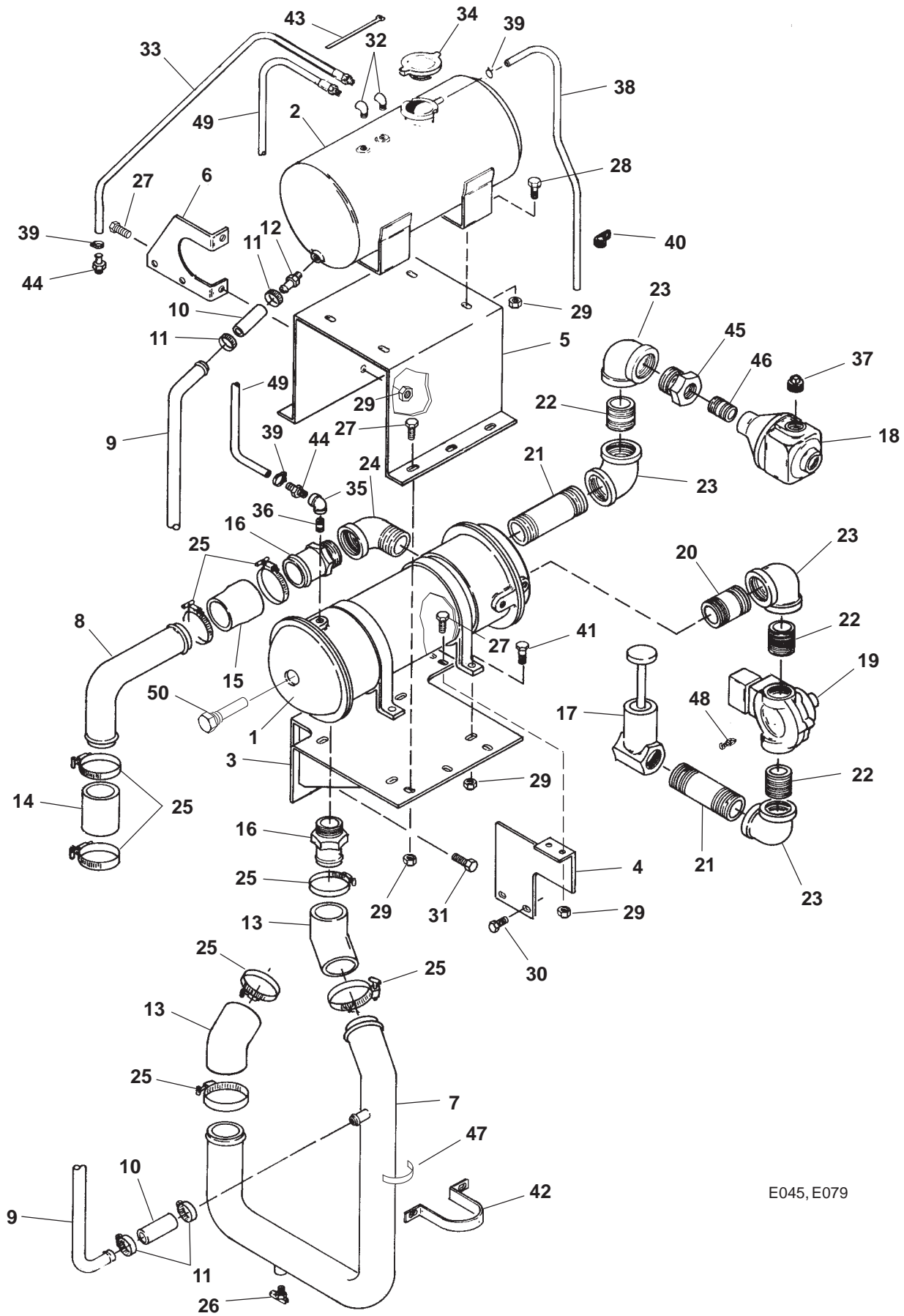


Coolant Heater Control

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-4552	1	Cover, Coolant Heater	10	323-1494	1	*Connector, Receptacle (3 Pin) (J3)
2			Harness, Wiring – AC – Coolant Heater (From Coolant Heater Bottom To Coolant Heater Control Box) (Includes Conduit Connectors)	11	323-1502	1	*Wedge, Receptacle (Used With J3)
	338-3335-04	1	DQAA, DQAB (25")	12	323-1504	1	*Connector, Plug (2 Pin) (P4)
	338-3335-03	1	DQBA, DQBB (33")	13	323-1500	1	*Wedge, Plug (Used With P4)
3	331-0554	2	Connector, Conduit – 90 Deg (3/4")	14	323-1652	1	*Connector, Plug – 2-Way (2 Pin) (P11)
4	331-0042	1	Connector, Wiring – DC – Romex (3/4")	15	323-1445	2	*Seal, Cable (Used With P11)
5			Harness, Wiring – DC – Engine Heater (From Coolant Heater Control Box To Engine And Main Engine Harness) (Includes Parts Marked *)	16	517-0138-02	3	Plug, Hole (Fits 1-1/8" Hole)
	338-3385	1	DQAA, DQAB	17	319-2814	1	Box, Terminal
	338-3384	1	DQBA, DQBB	18	332-3440	1	Jumper, Terminal
6	357-0030	1	*Rectifier (6 Amp) (Located at K11 end of harness)	19	307-2859	1	Relay, Power – 24VDC (K11)
7	323-1718	2	*Pin, Contact	20	815-0447	4	Screw, Machine – Round Head – Cross Recessed W/IT – Thread Forming (#8-32 x 3/4")
8	323-1491	3	*Pin, Contact	21	332-1469	1	Strip, Marker
9	323-1492	2	*Socket, Contact	22	332-1468	1	Block, Terminal – 12 Place (TB1)
				23	331-0555	2	Nut, Connector Lock (3/4-14)

* – Parts Included in 338-3385 and 338-3384 DC Engine Heater Wiring Harnesses

Heat Exchanger DQAA, DQAB

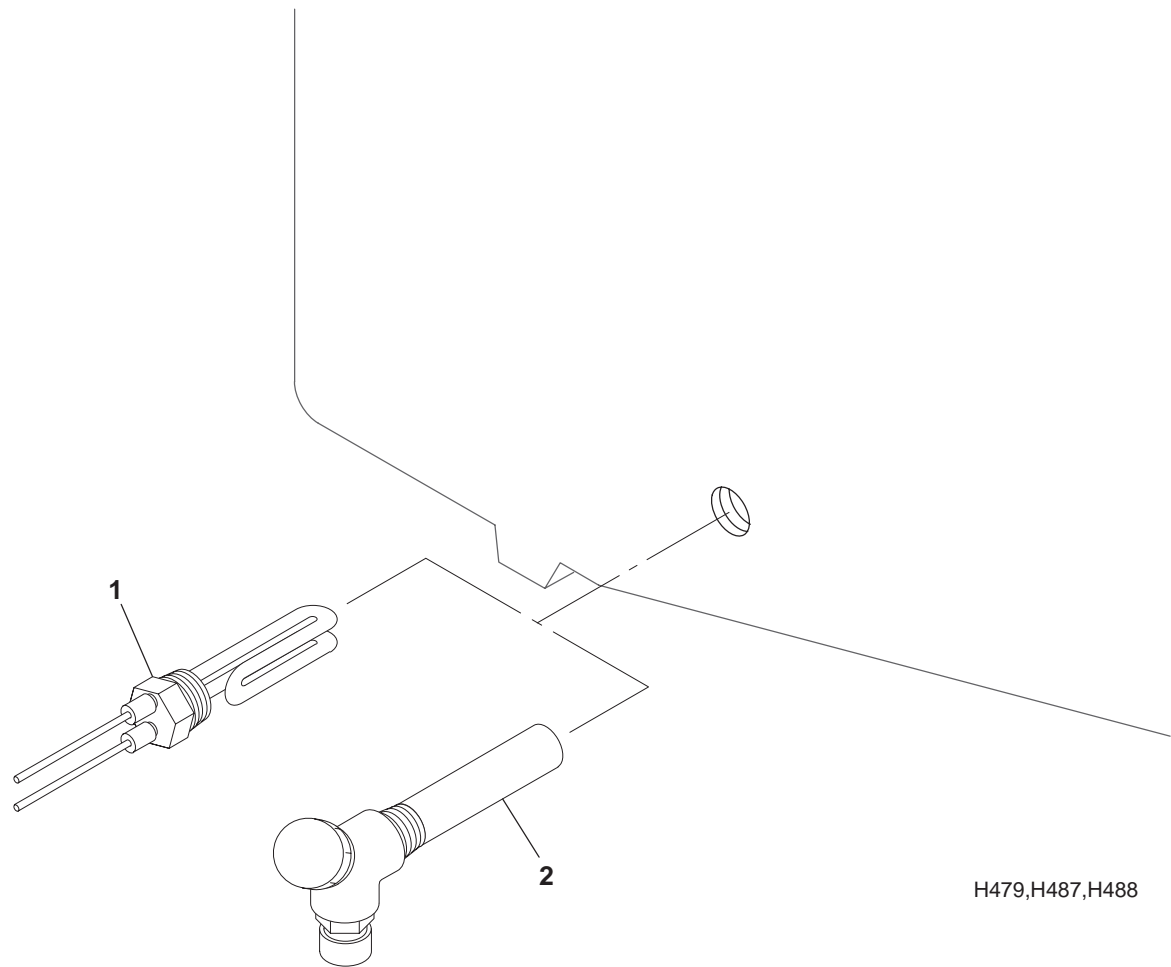


E045, E079

Heat Exchanger DQAA, DQAB

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-3970	1	Exchanger, Heat (Includes Anode)	28	821-0034	4	Screw, Self –Locking – Hex Washer Head (3/8–16 x 5/8”)
2	130-3969	1	Tank, Expansion	29	870-0281	17	Nut, Lock (3/8–16)
3	130-3980	1	Bracket, Mounting – Heat Exchanger	30	821-2060	2	Screw, Self–Locking – Hex Washer Head (M10 x 20mm)
4	130-3978	1	Bracket, Support – Heat Exchanger	31	800-2112	3	Screw, Cap – Hex Head (M12 x 30mm)
5	130-3968	1	Bracket, Mounting – Expansion Tank	32	505-0011	2	Elbow, Pipe – Street – 90 Deg (1/4”)
6	130-3979	1	Bracket, Support – Expansion Tank	33	501-0551	1	#Line, Flexible (1/4” x 24–1/2”)
7	130-3981	1	Tube, Heat Exchanger (2–1/2” OD)	34	130-0449	1	Cap, Expansion Tank
8	130-3975	1	Tube, Heat Exchanger (2–1/4” OD)	35	505-1043	1	Elbow, Pipe – Reducer – 90 Deg (1/4” to 1/8”)
9	130-3976	1	Tube, Heat Exchanger (1” OD)	36	505-0099	1	Nipple, Pipe (1/4”)
10	503-1634	2	Hose, Rubber (1” x 4”)	37	505-0140	1	Plug, Pipe – Square Head (1”)
11	503-0189	4	Clamp, Hose	38	501-0568	1	Hose, Overflow (1/4” x 91”)
12	502-0971	1	Connector, Hose – Beaded (3/4”)	39	503-0685	3	Clamp, Hose
13	503-1811	2	Elbow, Radiator – 30 Deg (2–1/2” ID)	40	518-0548-08	2	Clip, Retaining – Insulated
14	503-1379-02	1	Hose, Rubber (2–1/4” x 4–1/2”)	41	800-0051	4	Screw, Cap – Hex Head (3/8–16 x 1–1/4”)
15	503-1068	1	Hose, Reducer (2–1/2” to 2–1/4”)	42	130-4066	1	Bracket, Retaining – Heat Exchanger Tube
16	130-3977	2	Connector, Hose	43	332-0941	1	Tie, Cable (Quantity Used As Required)
17	504-0057	1	Valve, Gate	44	502-0395	2	Connector, Hose (1/8”)
18	505-1301	1	Valve, Water Saver (Not Used On All Models)	45	505-0394	1	*Bushing, Reducer (2” to 1”)
19	307-0844	1	Valve, Solenoid – Water	46	505-0004	1	*Nipple, Pipe – Close (1”)
20	505-0645	1	Nipple, Pipe (2” x 3”)	47	895-0170	–	Tape – Bulk (3/8” x 3/4”) (Order By The Foot – 1 Foot Required)
21	505-0401	2	Nipple, Pipe (2” x 6”)	48	332-2238	2	Terminal, Connector (Water Solenoid Valve Leads)
22	505-0172	3	Nipple, Pipe (2” x 2”)	49	501-0551	1	#Line, Flexible (1/4” x 17–1/2”)
23	505-0175	4	Elbow, Pipe – 90 Deg (2”)	50	130-4840	1	Anode, Zinc
24	505-0201	1	Elbow, Pipe – Street – 90 Deg (2”)				
25	503-1870-04	8	Clamp, Hose				#–Cut Off and Discard The Non–Swiveling End Of The Hose Leaving The Length As Indicated Above
26	504-0028	1	Cock, Drain (3/8”)				
27	821-0030	9	Screw, Self–Locking – Hex Washer Head (3/8–16 x 1”)				*–Used On Sets With Water Saver Valve

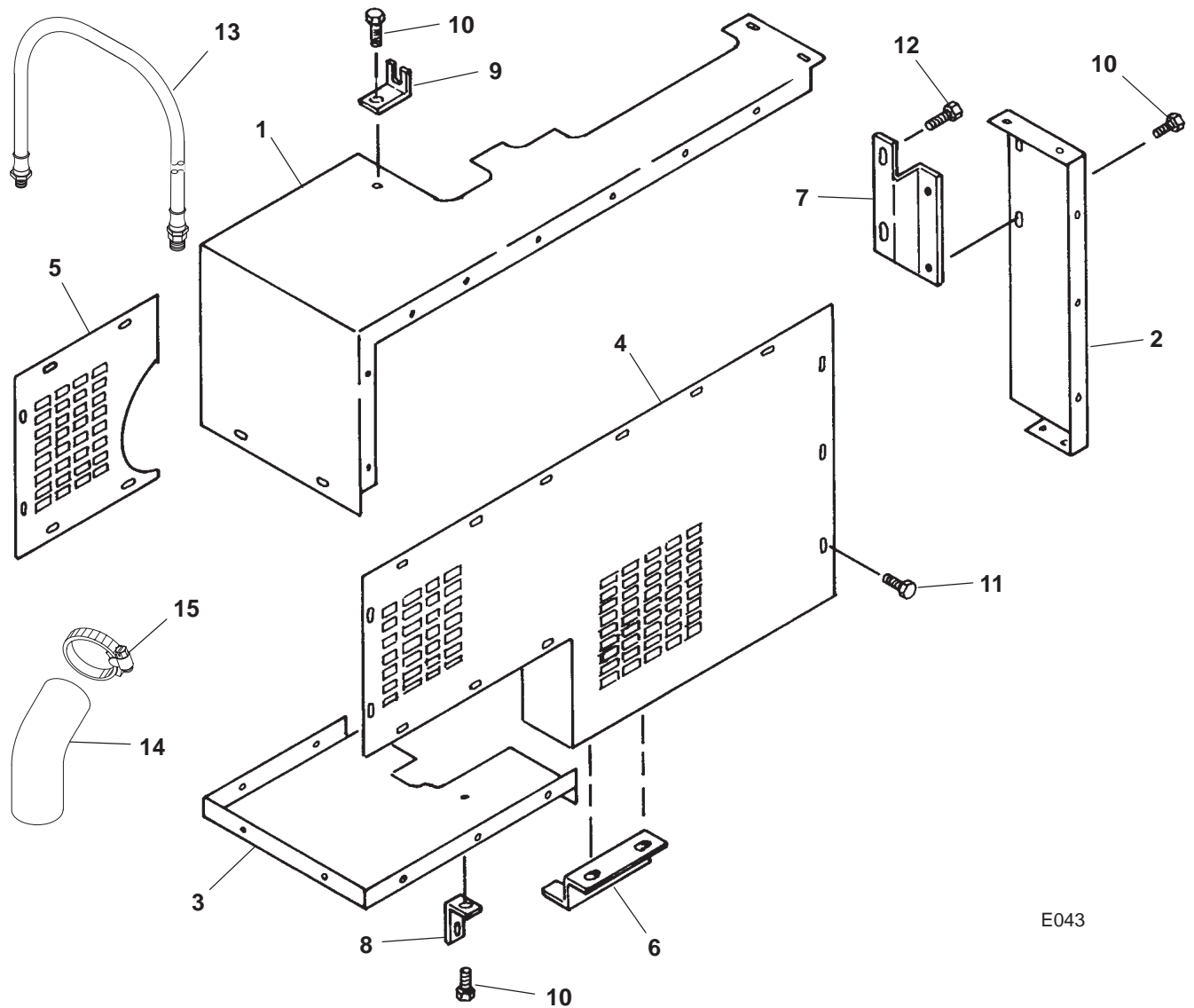
Oil Pan Heater



H479,H487,H488

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				

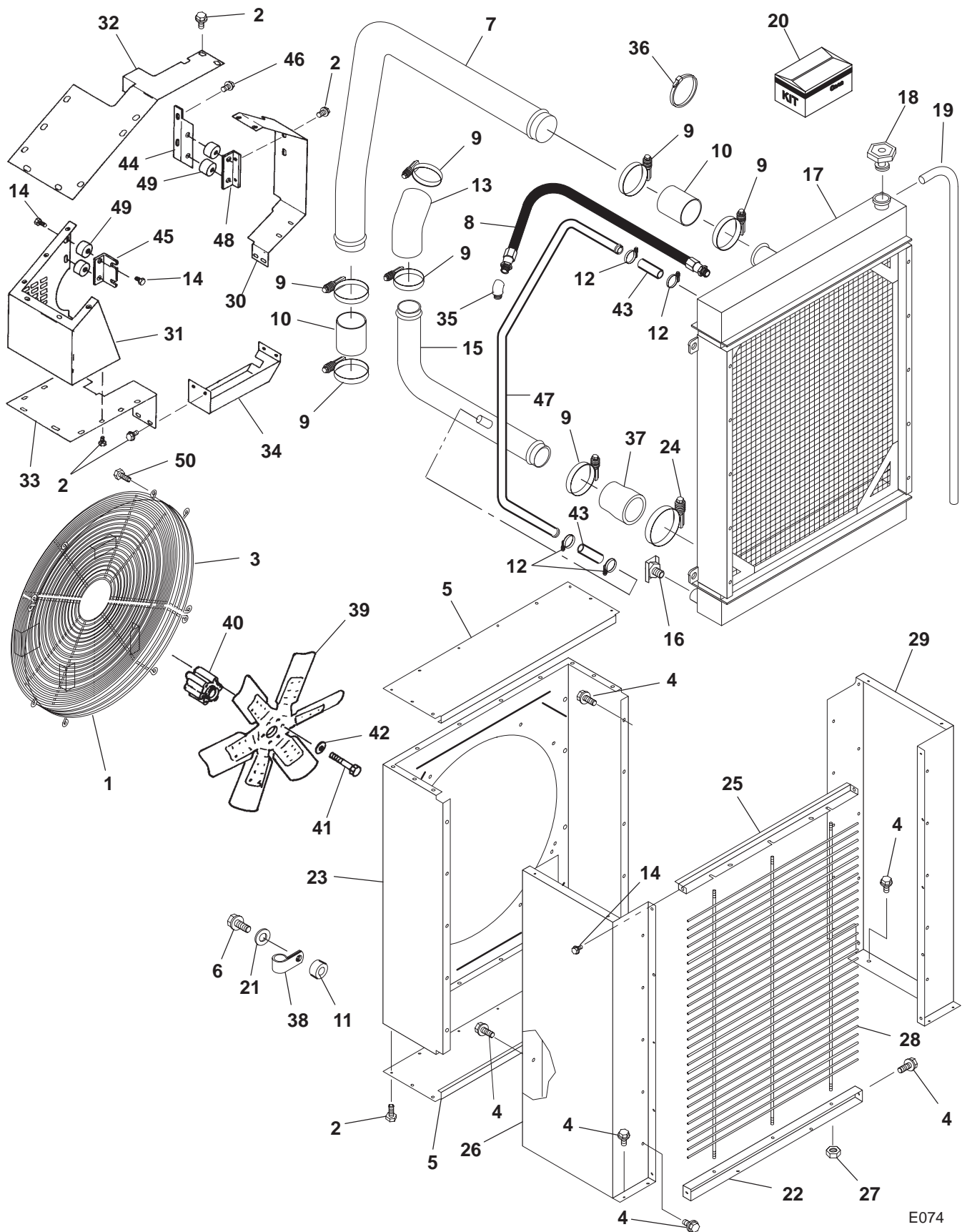
Remote Radiator DQAA, DQAB



E043

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-3945	1	Guard, Belt (Top)	11			Screw, Self-Locking – Hex Washer Head (1/4–20 x 1/2")
2	130-3944	1	Guard, Belt (Side)		821-0010	28	Spec A,B
3	130-3943	1	Guard, Belt (Bottom)		821-5002-03	34	Begin Spec C
4	130-3942	1	Guard, Belt (Front)	12	821-2060	2	Screw, Self-Locking – Hex Washer Head (M10 x 20mm)
5	130-3954	1	Guard, Belt (Rear)	13	501-0247	1	Line, Flexible (69")
6	130-3952	1	Bracket, Guard	14	503-1811	1	Elbow – 30 Deg (2–1/2" ID)
7	130-3953	1	Bracket, Guard	15	503-1872-04	1	Clamp, Hose
8	130-3946	1	Bracket, Guard				
9	130-3947	1	Bracket, Guard				
10			Screw, Self-Locking – Hex Washer Head				
	821-0018	6	Spec A,B (1/4–20 x 5/8")				
	821-5002-04	6	Spec C,D (1/4–20 x 5/8")				
	821-5002-03	6	Spec E,F (1/4–20 x 1/2")				

Radiator DQAA, DQAB

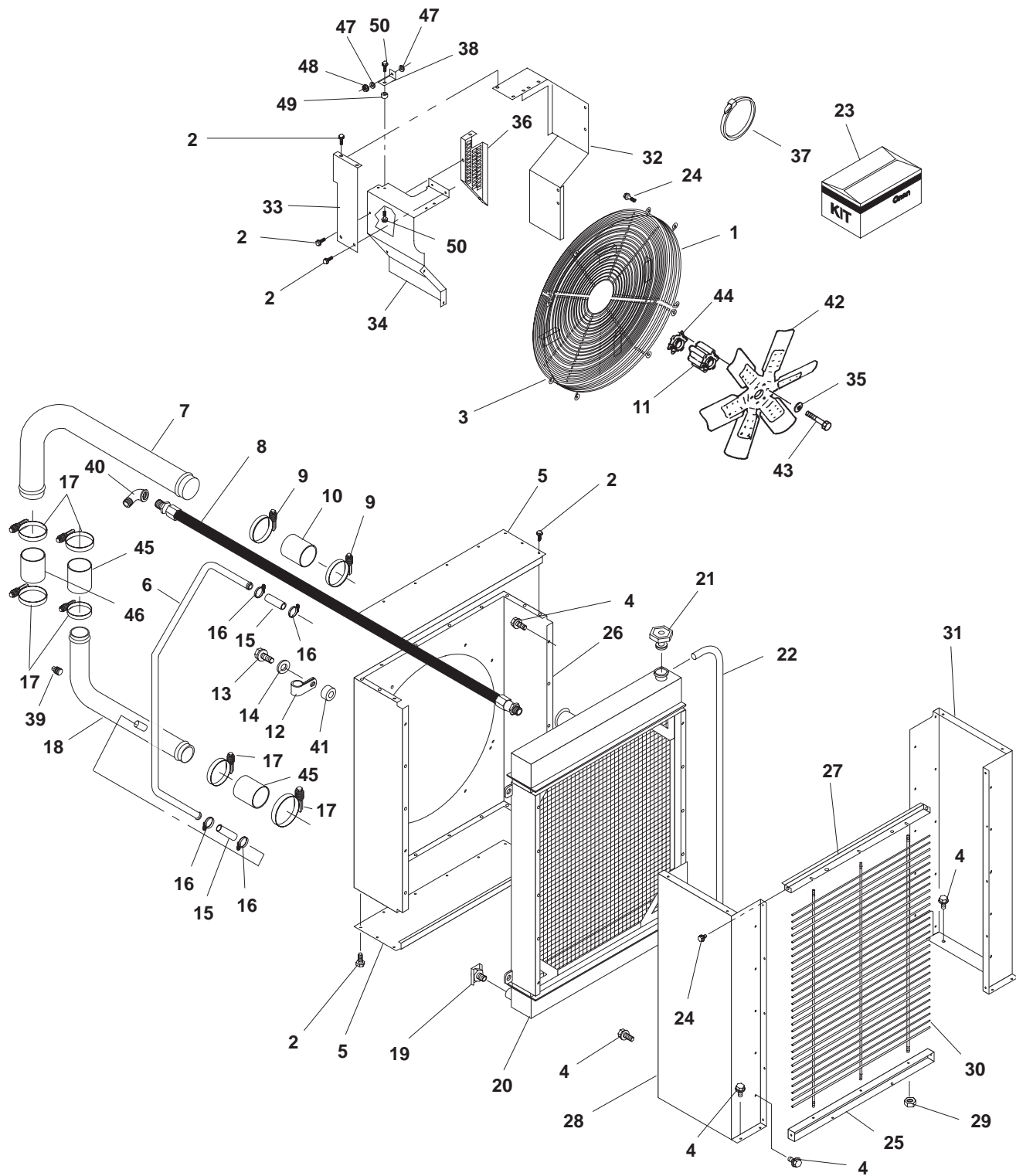


E074

Radiator DQAA, DQAB

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-3932-02	1	Guard, Fan (Left Side)	26			Guard, Radiator (Left Side)
			(Bottom)		130-4384-02	1	Sets With 44" Wide Skid
2	821-5002-04	49	Screw, Self-Locking – Hex		130-4383-02	1	Sets With 50" Wide Skid
			Washer Head (1/4–20 x 5/8")	27	870-0550-09	12	Nut, Self-Locking – Hex Head
3	130-3932-01	1	Guard, Fan (Right Side) (Top)				(3/8–16)
4			Screw, Self-Locking – Hex	28	130-4385	1	Grille
			Washer Head (3/8–16 x 3/4")	29			Guard, Radiator (Right Side)
	821-5004-02	34	Sets With 44" Wide Skid		130-4384-01	1	Sets With 44" Wide Skid
	821-5004-02	36	Sets With 50" Wide Skid		130-4383-01	1	Sets With 50" Wide Skid
5	130-4373	2	Shroud, Fan	30	130-3937	1	Guard, Belt (Right Side)
6	800-0052	2	Screw, Cap – Hex Head	31	130-3936	1	Guard, Belt (Left Side)
			(3/8–16 x 1–1/2")	32	130-3935	1	Guard, Belt (Top)
7	130-4378	1	Tube, Radiator (Inlet)	33	130-3934	1	Guard, Belt (Left Side –
8	501-0551-02	1	Line, Flexible (39")				Bottom)
9	503-1872-04	7	Clamp, Hose	34	130-3933	1	Guard, Belt (Bottom)
10	503-1379-02	2	Hose, Radiator (2–1/4" ID x	35	502-0053	1	Elbow, Street Pipe – 45 Deg
			4–1/2")	36	332-2262	1	Tie, Cable (Quantity Used As
11	130-3660-01	2	Spacer				Required)
12	503-1872-01	4	Clamp, Hose	37	503-1026	1	Hose, Reducer (2–3/4" to
13	503-1811	1	Elbow, Radiator – 30 Deg				2–1/2")
14	821-5003-01	12	Screw, Self-Locking – Hex	38	518-0548-20	2	Clamp, Hose
			Washer Head (5/16–18 x	39	130-4534	1	Fan, Radiator (6 Blade)
			1/2")	40	130-3931-01	1	Spacer, Fan
15	130-4377	1	Tube, Radiator (Outlet)	41	800-0062	6	Screw, Cap – Hex Head
16	504-0028	1	Cock, Drain (3/8")				(3/8–16 x 4")
17	130-4355	1	Radiator (Includes Radiator	42	526-0026	6	Washer, Flat (3/8")
			Cap, Overflow Hose, and	43	503-1634	2	Hose, Rubber (1" ID x 4")
			Safety Sight Gauge Kit)	44	130-4075	1	Bracket, Belt Guard (Right
18	130-3588	1	Cap, Radiator				Side – Rear)
19	503-1418	–	Hose – Bulk (1/4" ID) (Order By	45	130-3951	1	Bracket, Belt Guard (Left Side)
			The Foot – 6 Feet Required)	46	800-2085	2	Screw, Cap – Hex Head
20	130-4362	1	Kit, Gauge – Safety Sight –				(M10 x 20mm)
			Radiator (Includes Glass	47	130-4376	1	Tube, Radiator Fill
			Bulb and O-Ring)	48	130-4074	1	Bracket, Belt Guard (Right
21	526-0029	2	Washer, Flat (3/8")				Side – Front)
22	130-4386	1	Support, Grille (Lower)	49	402-0070	4	Dampener, Vibration
23	130-4374	1	Wrapper, Fan Shroud	50	821-5003-03	10	Screw, Self-Locking – Hex
24	503-1872-05	1	Clamp, Hose				Washer Head (5/16–18 x
25	130-4387	1	Support, Grille (Upper)				3/4")

Radiator DQBA, DQBB

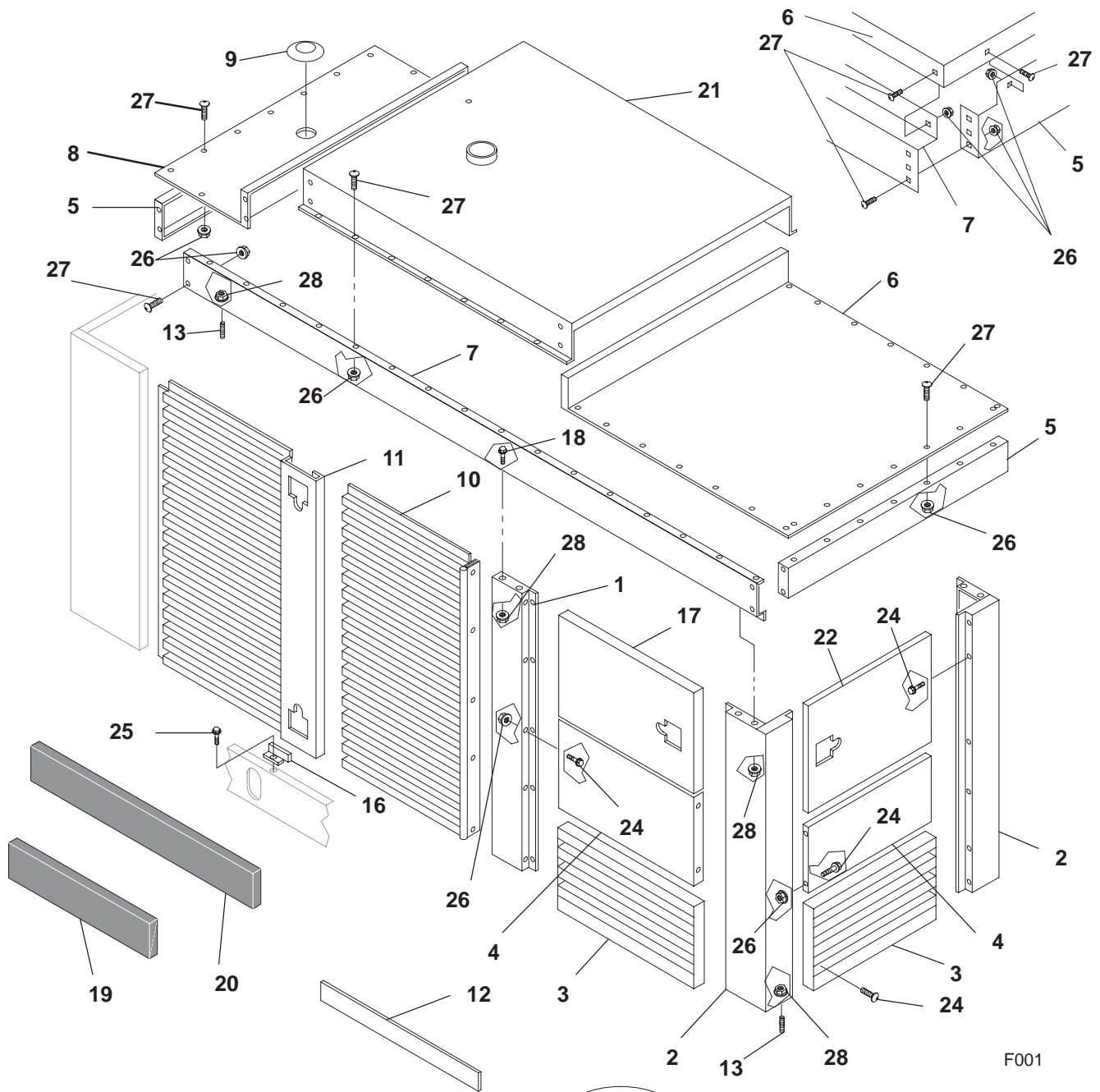


E074

Radiator DQBA, DQBB

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-3521-01	1	Guard, Fan (Right Side) (Top)	25	130-4386	1	Support, Grille (Lower)
2	821-5002-04	34	Screw, Self-Locking – Hex Washer Head (1/4–20 x 5/8")	26	130-4375	1	Wrapper, Fan Shroud
				27	130-4387	1	Support, Grille (Upper)
3	130-3521-02	1	Guard, Fan (Left Side) (Bottom)	28			Guard, Radiator (Left Side)
					130-4384-02	1	Sets With 44" Wide Skid
					130-4383-02	1	Sets With 50" Wide Skid
4	821-5004-02	36	Screw, Self-Locking – Hex Washer Head (3/8–16 x 3/4")	29	870-0550-09	12	Nut, Self-Locking – Hex Head (3/8–16)
5	130-4373	2	Shroud, Fan	30	130-4385	1	Grille
6	130-4376	1	Tube, Radiator Fill	31			Guard, Radiator (Right Side)
7	130-4728	1	Tube, Radiator (Inlet)		130-4384-01	1	Sets With 44" Wide Skid
8	501-0585	1	Line, Flexible (49")		130-4383-01	1	Sets With 50" Wide Skid
9	503-1872-04	2	Clamp, Hose	32	130-4665	1	Guard, Belt (Right Side)
10	503-1379-02	1	Hose, Radiator (2–1/4" ID x 4–1/2")	33	130-3535	1	Guard, Belt (L-Shaped)
				34	130-4802	1	Guard, Belt (Left Side)
11	130-4407-01	1	Spacer, Fan	35	526-0026	6	Washer, Flat (3/8")
12	518-0548-20	2	Clamp, Hose	36	130-4729	1	Guard, Belt (Back)
13	800-0052	2	Screw, Cap – Hex Head (3/8–16 x 1–1/2")	37	332-1445	2	Tie, Cable
14	526-0029	2	Washer, Flat (3/8")	38	130-4800	1	Bracket, Mounting – Belt Guard
15	503-1634	2	Hose, Rubber (1" ID x 4")	39	505-0130	1	Plug, Pipe – Square Head (3/4")
16	503-1872-01	4	Clamp, Hose	40	502-0053	1	Elbow, Street – 45 Deg (1/8")
17	503-1872-05	6	Clamp, Hose	41	130-3660-01	2	Spacer
18	130-4379	1	Tube, Radiator (Outlet)	42	130-4534	1	Fan, Radiator (6 Blade)
19	504-0028	1	Cock, Drain (3/8")	43	800-0061	6	Screw, Cap – Hex Head (3/8–16 x 3–3/4")
20	130-4356	1	Radiator (Includes Radiator Cap, Overflow Hose, and Safety Sight Gauge Kit)	44	130-3193	1	Gasket, Spacer
21	130-3588	1	Cap, Radiator	45	503-1414-02	2	Hose, Radiator (2–3/4" ID x 5–3/4")
22	503-1418	–	Hose – Bulk (1/4" ID) (Order By The Foot – 6 Feet Required)	46	503-1708	1	Hose, Radiator (2–1/2" ID x 4")
23	130-4362	1	Kit, Gauge – Safety Sight – Radiator (Includes Glass Bulb and O-Ring)	47	526-0115	2	Washer, Flat (5/16")
				48	862-0015	1	Nut, Hex (5/16")
				49	402-0070	1	Dampener, Vibration
24	821-5003-03	14	Screw, Self-Locking – Hex Washer Head (5/16–18 x 3/4")	50	821-0014	2	Screw, Self-Locking – Hex Washer Head (5/16–18 x 1/2")

Housing

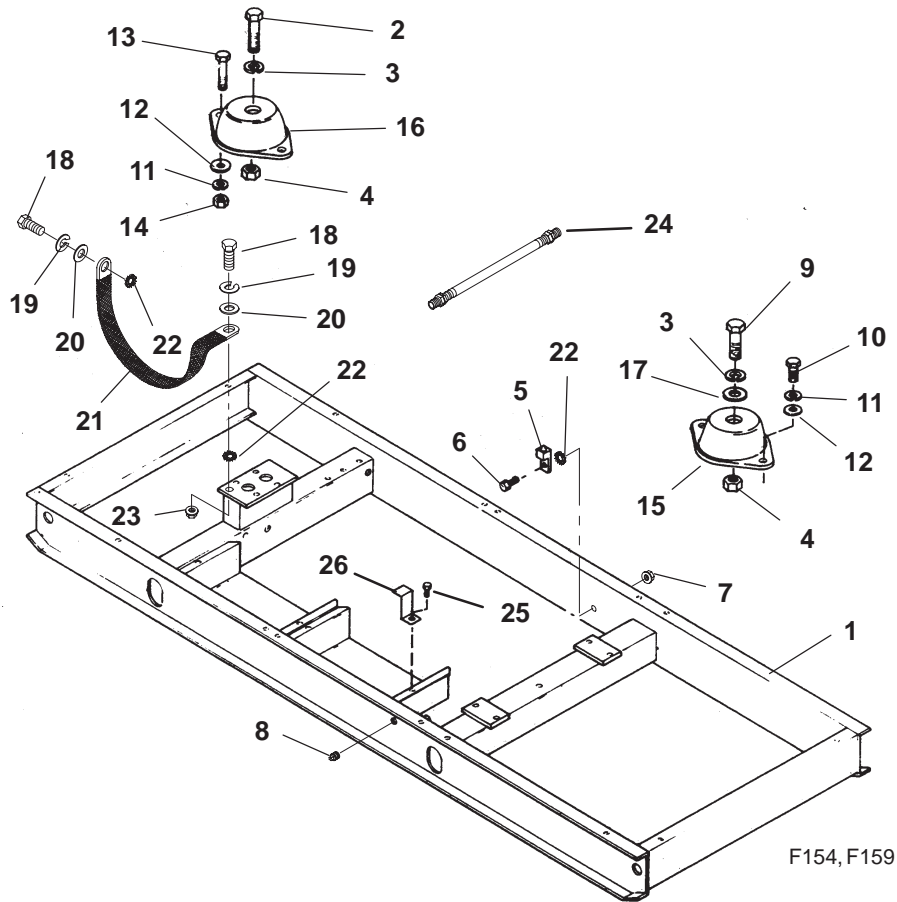


F001

Housing

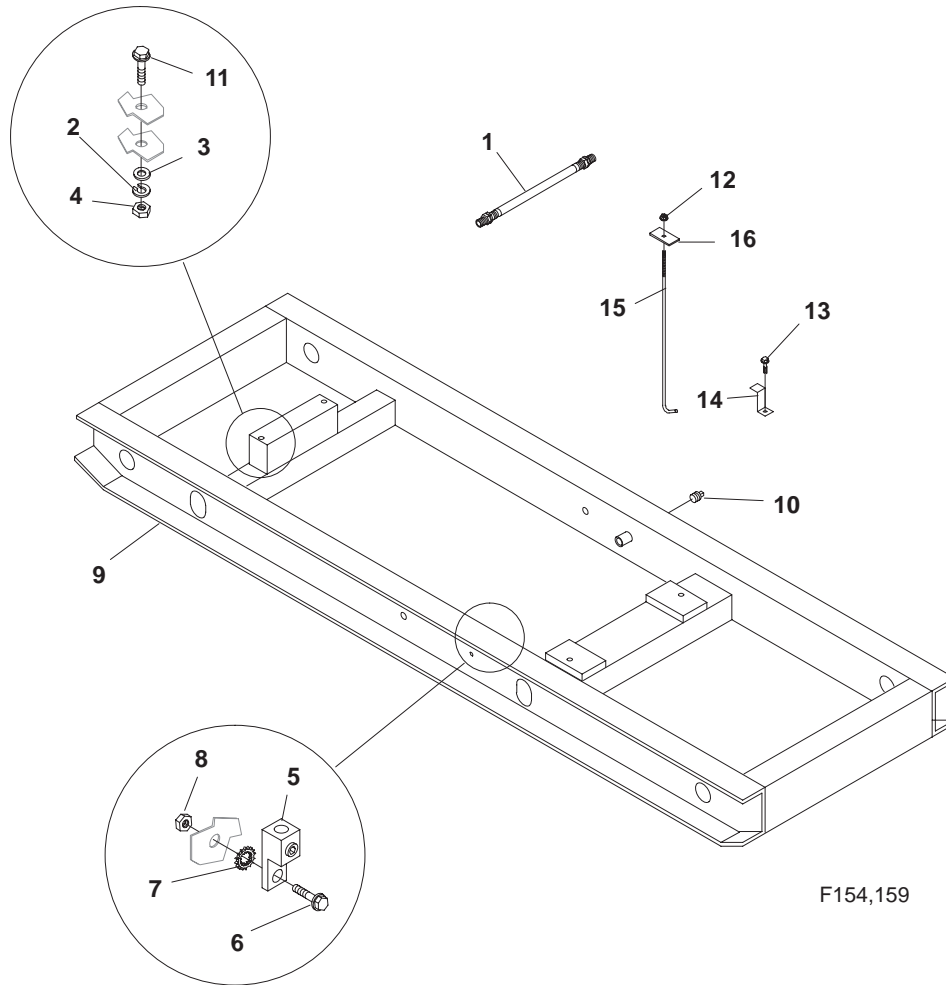
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-4110	2	Post – Center	17	405-4107	2	Door – Side
2	405-4111	2	Post – Rear	18	821-5004-02	10	Screw, Self-Locking – Hex Washer Head (3/8-16 x 3/4")
3	405-4104	3	Grille	19	128-0118	1	Insulation, Foam (24" x 5-3/4" x 1/4")
4	405-4112	3	Panel – Rear and Side	20			Insulation, Foam
5			Cap, End – Front and Rear		128-0154	4	DQAA, DQAB (58" x 6-3/4" x 1/4")
	405-4401	2	DQAA, DQAB		128-0117	4	DQBA, DQBB (40" x 7-13/16" x 1/4")
	405-4117	2	DQBA, DQBB	21			Roof – Center
6			Roof – Rear		405-4438-01	1	DQAA, DQAB
	405-4439	1	DQAA, DQAB		405-4114-02	1	DQBA, DQBB
	405-4115	1	DQBA, DQBB	22	405-4106	1	Door, Control
7			Rail – Side	23	818-0231-02	28	Rivet, Pop
	405-4395-02	2	DQAA, DQAB	24			Screw, Self-Locking – Hex Washer Head (5/16-18 x 3/4")
	405-4118-01	2	DQBA, DQBB		821-5003-03	41	DQAA, DQAB
8			Roof – Front		821-5003-03	49	DQBA, DQBB
	405-5196	1	DQAA, DQAB	25	821-5003-03	4	Fastener
	405-5198	1	DQBA, DQBB				DQAA, DQAB – Screw, Self-Locking – Hex Washer Head (5/16-18 x 3/4")
9	517-0245	1	Plug		815-0236	4	DQBA, DQBB – Screw, Hex Head – Thread Forming (5/16-18 x 5/8")
10			Door – Side – Without Opening For Door Handles (Right Side Center Location And Left Side Front Location)	26			Nut, Locking – Hex (5/16-18)
	405-4404	2	DQAA, DQAB		870-0550-07	71	DQAA, DQAB
	405-4108	2	DQBA, DQBB		870-0550-07	52	DQBA, DQBB
11			Door – Side – With Opening For Door Handles (Right Side Front Location And Left Side Center Location)	27			Bolt, Carriage (5/16-18 x 5/8")
	405-4405	2	DQAA, DQAB		816-0098	59	DQAA, DQAB
	405-4109	2	DQBA, DQBB		816-0098	52	DQBA, DQBB
12	895-0308	–	Tape, Sealing – Bulk (1/8" Thk x 1" Wide) (Order By The Foot – 6 Feet Required)	28			Nut, Locking – Hex (3/8-16)
13	520-0544	14	Stud (3/8-16 x 1-3/16")		870-0550-09	32	DQAA, DQAB
14	406-0626	7	Handle, Door (Includes Key)		870-0550-09	24	DQBA, DQBB
15	406-0639	7	Key, Handle				
16	405-3980	2	Stop, Door				

Skid DQAA, DQAB



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	403-3248	1	Skid	14	862-0016	4	Nut, Hex (1/2-13)
	403-3234	1	Sets With 44" Wide Skid	15	402-0568	2	Cushion, Vibration – Generator End
2	800-0156	2	Screw, Cap – Hex Head (3/4-10 x 2-1/4")	16	402-0030	2	Cushion, Vibration – Engine End
3	850-0079	4	Washer, Lock – Spring (3/4")	17	526-0238	2	Washer, Flat (3/4")
4	862-0008	4	Nut, Hex (3/4-10)	18	800-2086	2	Screw, Cap – Hex Head (M10 x 25mm)
5	332-1473	1	Lug, Solderless – Grounding	19	850-2010	2	Washer, Lock – Spring (M10)
6	800-0027	1	Screw, Cap – Hex Head (5/16-18 x 7/8")	20	526-0030	2	Washer, Flat (3/8")
7	870-0257	1	Nut, Self-Locking – Hex Head (5/16-18)	21	337-0090	1	Strap, Ground
8	505-1379	1	Plug, Pipe (1/2")	22	856-0010	3	Washer, Lock – EIT (3/8")
9	800-0155	2	Screw, Cap – Hex Head (3/4-10 x 2")	23	870-2056	1	Nut, Self-Locking – Hex Head (M10)
10	800-0090	4	Screw, Cap – Hex Head (1/2-13 x 1")	24			Line, Fuel – Flexible
11	850-0060	8	Washer, Lock – Spring (1/2")		501-0602	1	Fuel In (1/2" ID x 42")
12	526-0219	8	Washer, Flat (1/2")		501-0603	1	Fuel Out (3/8" ID x 58-1/2")
13	800-0091	4	Screw, Cap – Hex Head (1/2-13 x 1-1/4")	25	800-0048	4	Screw, Cap – Hex Head (3/8-16 x 3/4")
				26	416-0850	4	Bracket, Retaining – Battery

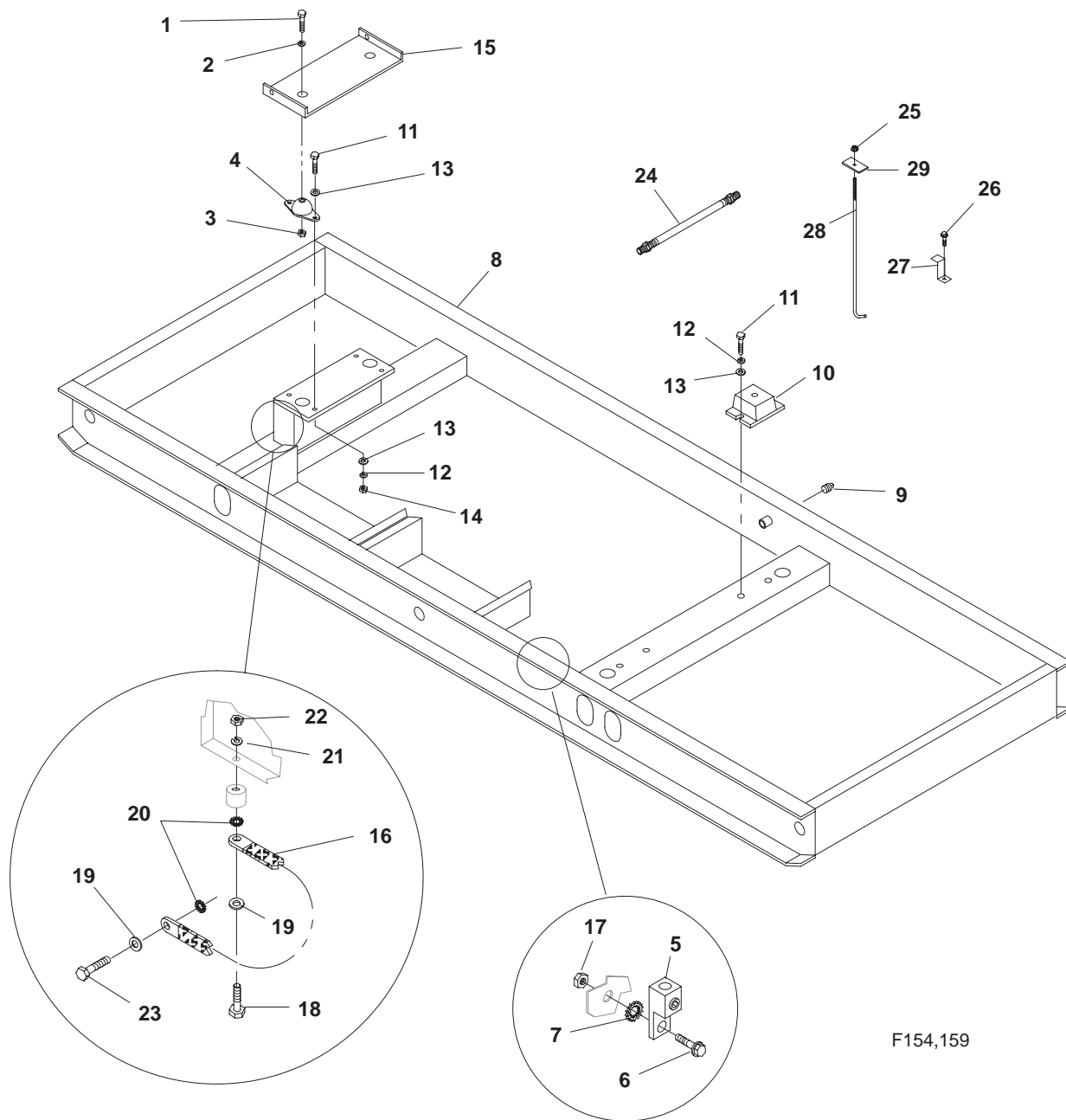
**Skid
DQBA, DQBB
Spec A**



F154,159

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Line, Fuel – Flexible Generator Sets Without Day Tank	7	856-0008	1	Washer, Lock – W/EIT (5/16")
	501-0084-01	1	Fuel Supply (1/2" ID x 42")	8	870-0257	1	Nut, Hex – Locking (5/16-18)
	501-0216	1	Fuel Return (3/8" ID x 42")	9			Skid
			Generator Sets With Day Tank		403-3066	1	Generator Sets With 44" Wide Skid
	501-0084-01	1	Fuel Supply (1/2" ID x 42")		403-2904	1	Generator Sets With 50" Wide Skid
	501-0548-01	1	Fuel Return (3/8" ID x 80")	10	505-1379	1	Plug, Pipe (1/2") Generator Sets With 50" Wide Skid
2	850-0070	2	Washer, Lock – Spring (5/8")	11	800-0138	2	Screw, Cap – Hex Head (5/8-11 x 3")
3	526-0198	2	Washer, Flat (5/8")	12	870-0212	1	Nut, Hex – Locking (1/4-20)
4	862-0007	2	Nut, Hex (5/8-11)	13	800-0048	2	Screw, Cap – Hex Head (3/8-16 x 3/4")
5	332-1473	1	Lug, Solderless – Grounding	14	416-0850	2	Bracket, Retainer – Battery (Ends)
6	800-0026	1	Screw, Cap – Hex Head (5/16-18 x 3/4")	15	416-0853	1	Hold-Down – Battery
				16	416-0975-01	1	Bracket, Retainer – Battery (Center)

**Skid
DQBA, DQBB
Spec B**

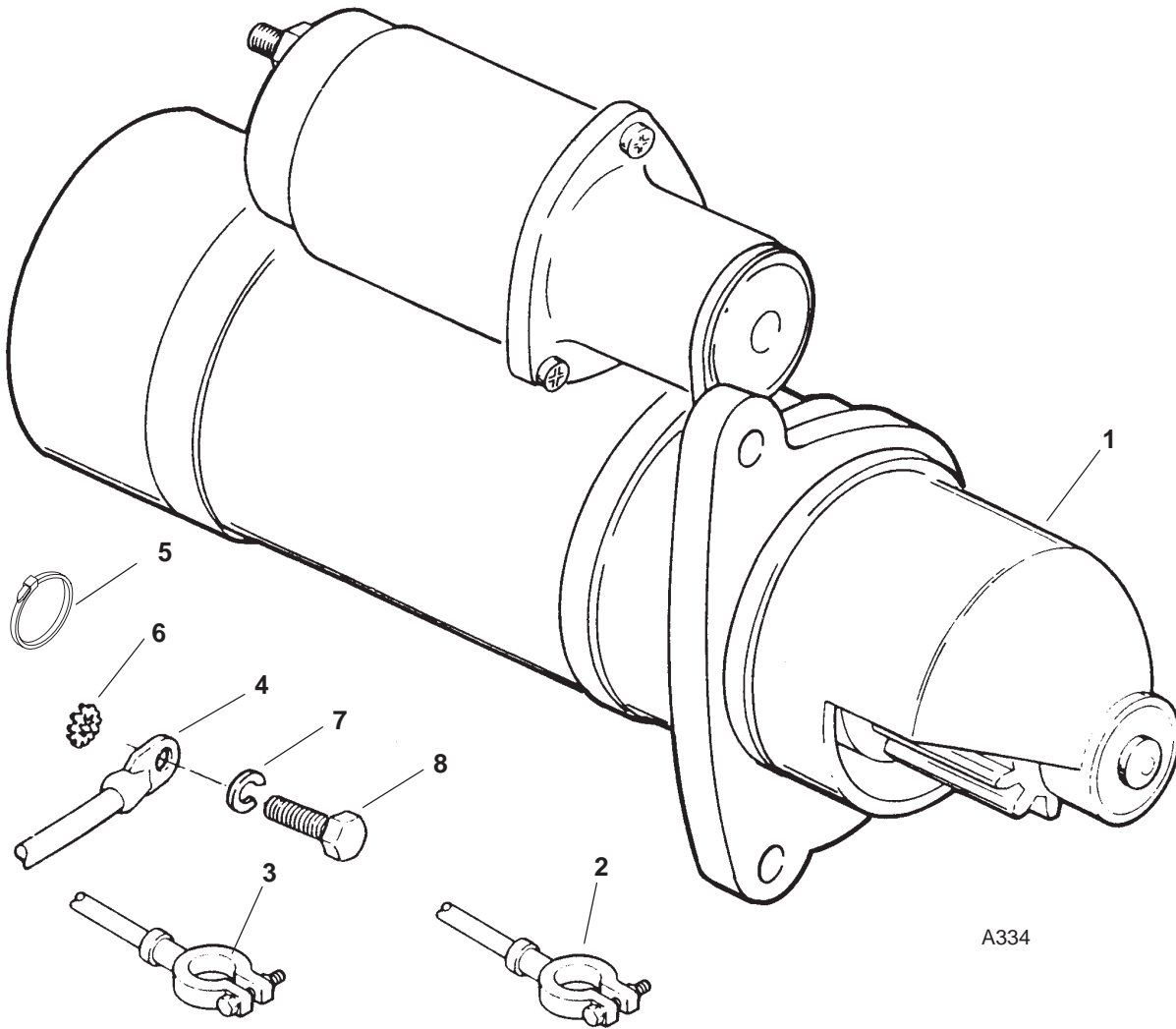


F154,159

**Skid
DQBA, DQBB
Spec B**

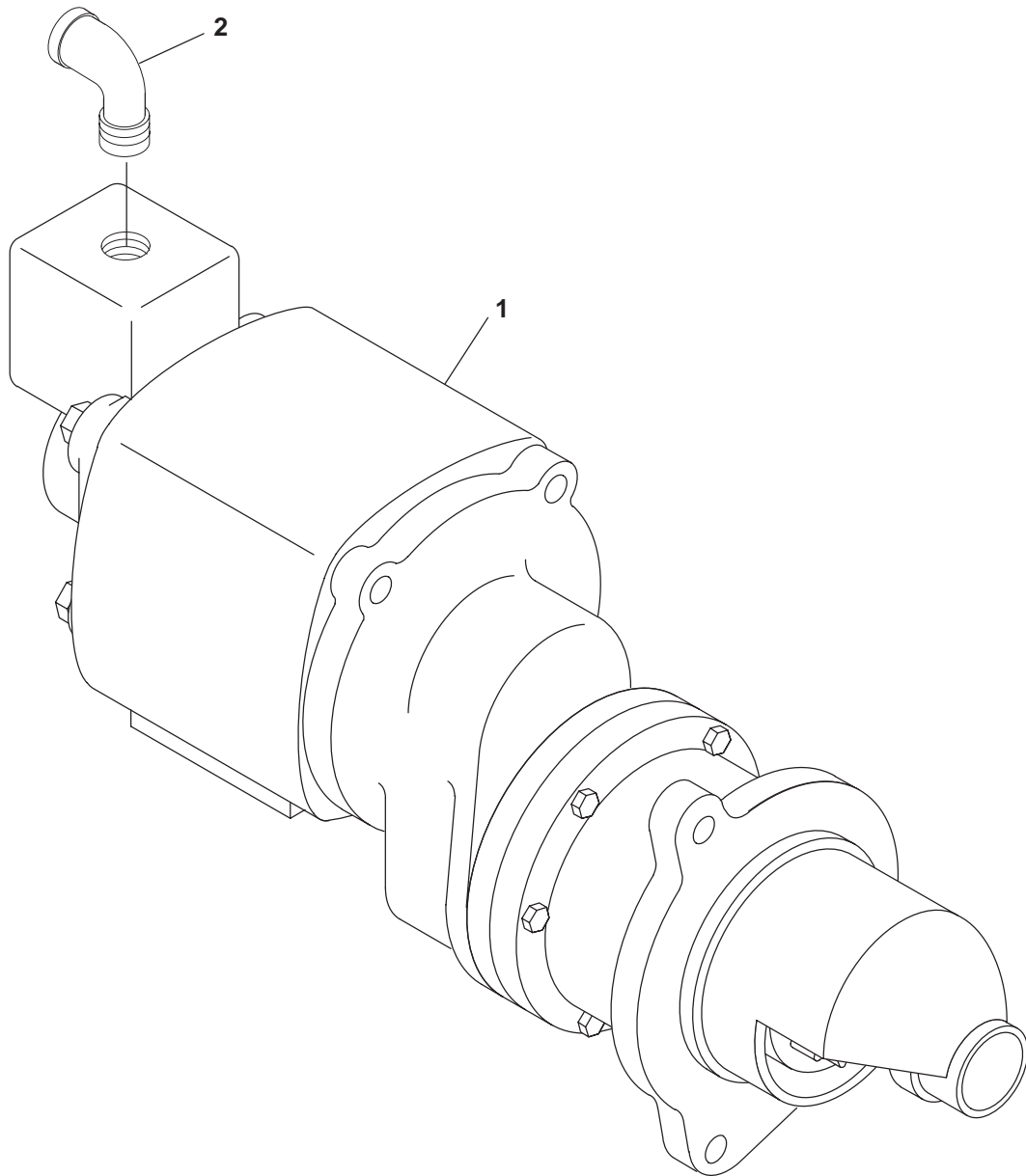
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	800-0138	2	Screw, Cap – Hex Head (5/8-11 x 3")	20	856-0010	2	Washer, Lock – EIT (3/8")
2	850-0070	2	Washer, Lock – Spring (5/8")	21	850-0050	2	Washer, Lock – Spring (3/8")
3	870-0547	2	Nut, Hex (5/8-11)	22	860-0003	2	Nut, Hex (3/8-16)
4	402-0716	2	Cushion, Vibration	23	800-0051	1	Screw, Cap – Hex Head (3/8-16 x 1-1/4")
5	332-1473	1	Lug, Solderless – Grounding	24			Line, Fuel – Flexible
6	800-0027	1	Screw, Cap – Hex Head (5/16-18 x 7/8")				Generator Sets Without Day Tank
7	856-0008	1	Washer, Lock – EIT (5/16")	501-0084-01	1		Fuel Supply (1/2" ID x 42")
8			Skid	501-0216	1		Fuel Return (3/8" ID x 42")
	403-4125	1	Generator Sets With 44" Wide Skid				Generator Sets With Day Tank
	403-4143	1	Generator Sets With 50" Wide Skid	501-0084-01	1		Fuel Supply (1/2" ID x 42")
9	505-1379	1	Plug, Pipe (1/2")	501-0548-01	1		Fuel Return (3/8" ID x 80")
10	402-0704	2	Isolator, Vibration	25	870-0212	1	Nut, Hex – Locking (1/4-20)
11	800-0091	8	Screw, Cap – Hex Head (1/2-13 x 1-1/4")	26	800-0048	2	Screw, Cap – Hex Head (3/8-16 x 3/4")
12	850-0060	8	Washer, Lock – Spring (1/2")	27	416-0850	2	Bracket, Retainer – Battery (Ends)
13	526-0219	12	Washer, Flat (1/2")	28	416-0853	1	Hold-Down – Battery
14	862-0016	4	Nut, Hex (1/2-13)	29	416-0975-01	1	Bracket, Retainer – Battery (Center)
15	403-4114	1	Bracket, Engine Support				
16	337-0090	1	Strap, Ground				
17	870-0550-07	1	Nut, Hex – Flange (5/16-18)				
18	800-0053	1	Screw, Cap – Hex Head (3/8-16 x 1-3/4")				
19	526-0030	2	Washer, Flat (3/8")				

Electric Starter



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	191-2087	1	Starter (24VDC) (B1)	6	856-0010	1	Washer, Lock – W/EIT
	191-1858	1	DQAA, DQAB		856-0013	1	DQAA, DQAB (3/8")
2	416-0444	2	DQBA, DQBB		856-0013	2	DQBA, DQBB (1/2")
	416-0619	2	Cable, Battery		850-2010	1	Sets With 44" Wide Skid
	416-0619	1	Sets With 44" Wide Skid (44")		850-0060	1	Sets With 50" Wide Skid
	416-0444	1	Sets With 50" Wide Skid	7	850-0060	2	Washer, Lock – Spring
3	416-0446	1	DQAA, DQAB (18")		800-2085	1	DQAA, DQAB (M10)
			DQBA, DQBB		800-0090	1	DQBA, DQBB (1/2")
4	416-0680	1	18"		800-0090	2	Sets With 44" Wide Skid
	416-0632	1	44"		800-0090	2	Sets With 50" Wide Skid
5	332-0941	2	Cable, Battery – Jumper (12-1/2")				Screw, Cap – Hex Head
			Cable, Battery – Starter to Ground				DQAA, DQAB (M10 x 20mm)
							DQBA, DQBB (1/2-13 x 1")

Air Starter

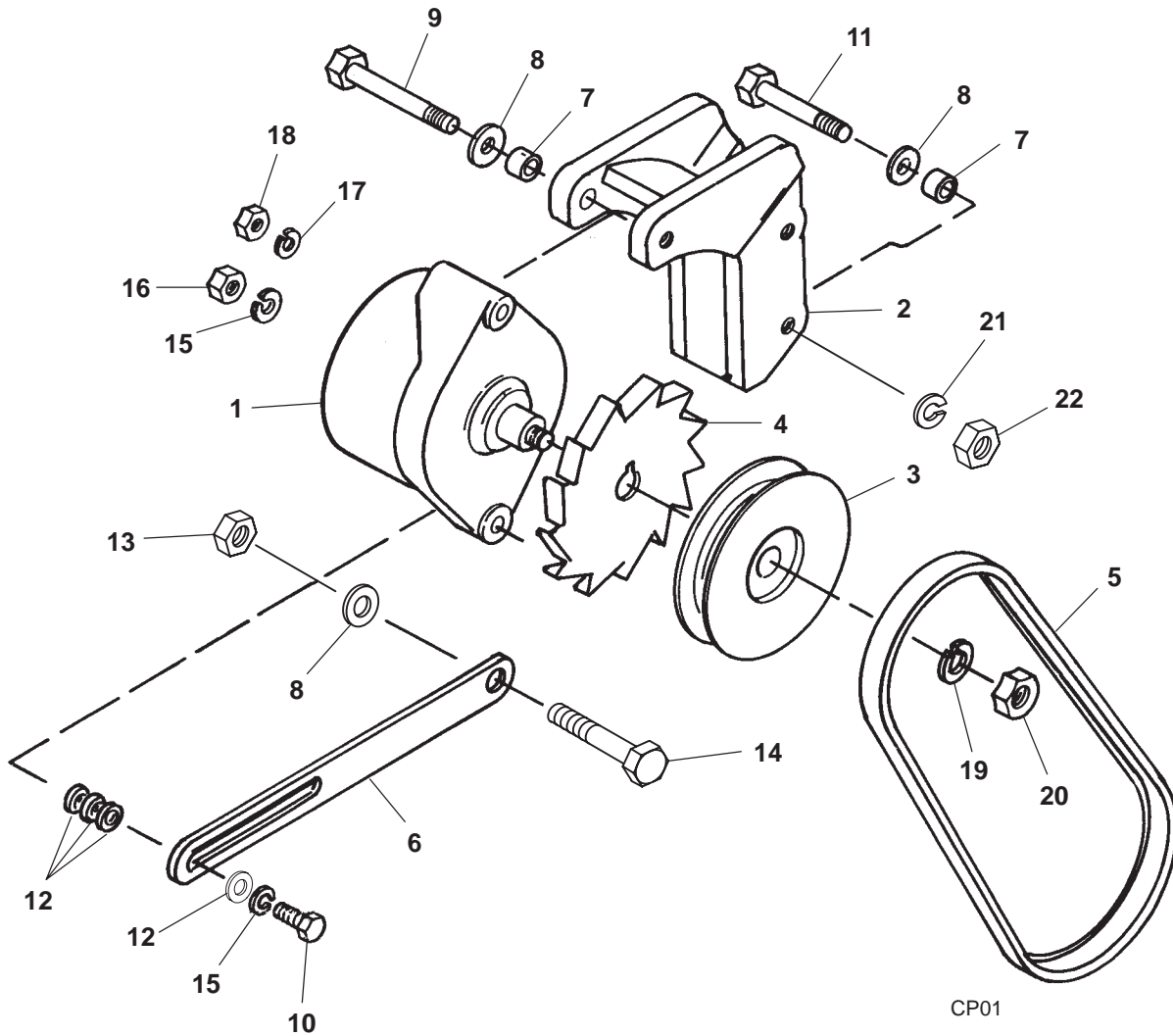


A300

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	127-0387-02	1	Starter, Air

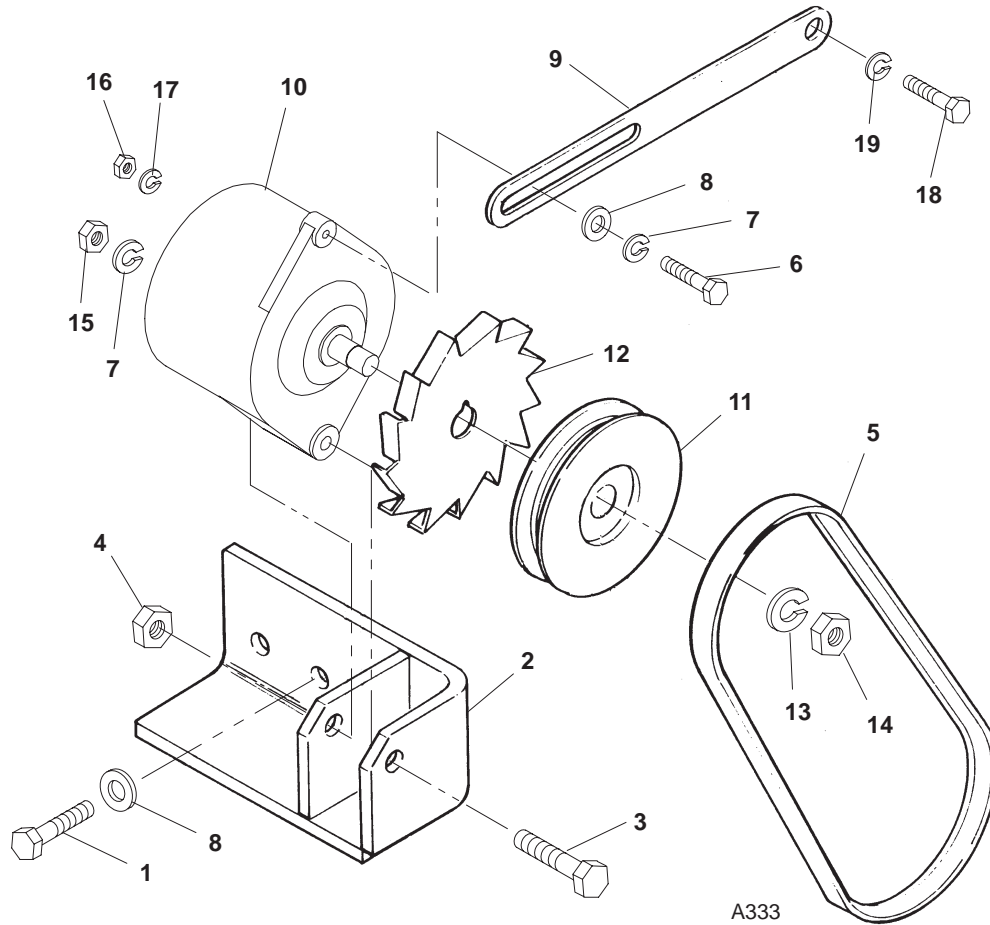
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
2	502-1054-07	1	Elbow, Street Pipe – 90 Deg

**Alternator
45 Amp
DQAA, DQAB**



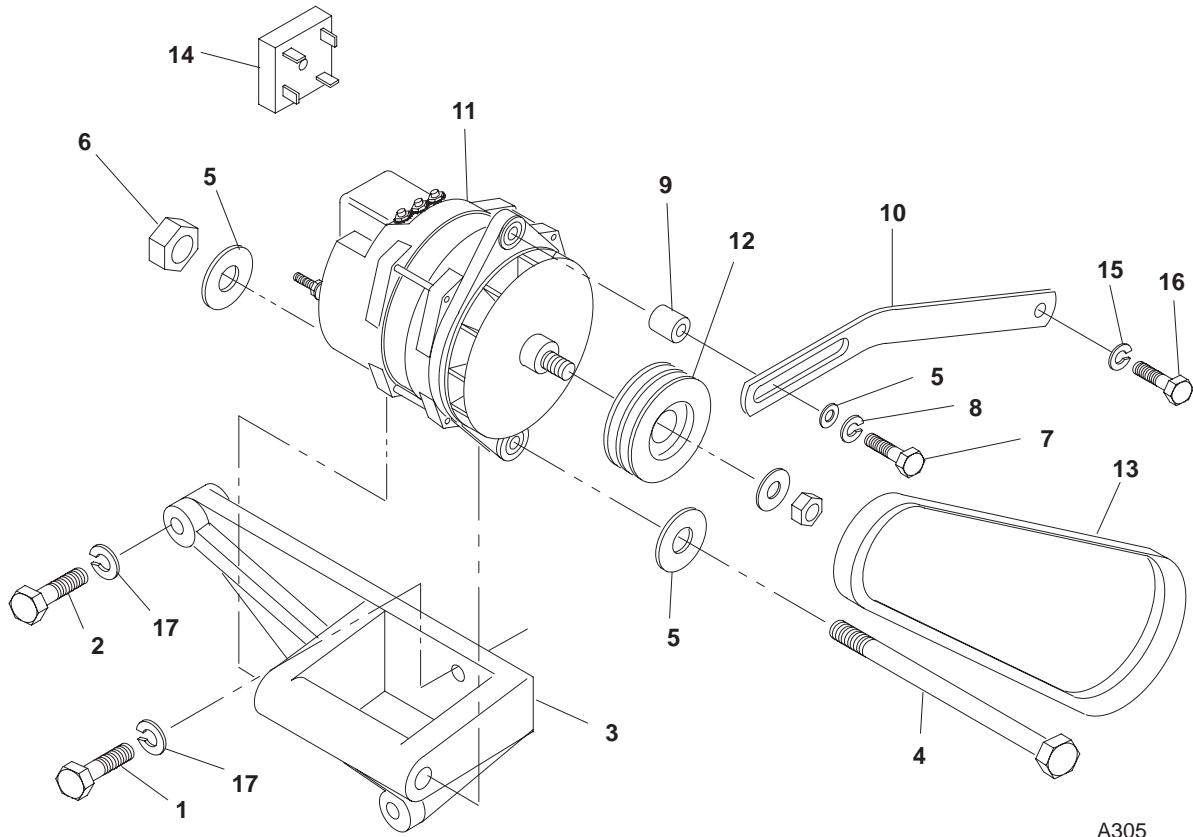
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	191-1983-02	1	Alternator (G1)	12	526-0030	4	Washer, Flat (M8)
2	191-2072	1	Bracket, Alternator	13	870-2056	1	Nut, Lock (M10)
3	191-1984	1	Pulley, Alternator	14	800-2093	1	Screw, Cap – Hex Head (M10 x 60mm)
4	191-1981	1	Fan, Alternator	15	850-2008	2	Washer, Lock – Spring (M8)
5	511-0161-02	1	Belt, V-Ribbed	16	860-2008	1	Nut, Hex (M8)
6	191-1977	1	Bracket, Alternator Adjusting	17	850-2005	2	Washer, Lock – Spring (M5)
7	191-1989-07	3	Spacer, Mounting	18	860-2006	2	Nut, Hex (M5)
8	526-2120	4	Washer, Flat (M10)	19	851-0039	1	Washer, Lock – Spring (M16)
9	718-1067	1	Screw, Cap – Hex Head (M10 x 90mm)	20	870-2161	1	Nut, Hex (M16)
10	800-2060	1	Screw, Cap – Hex Head (M8 x 35mm)	21	850-2010	2	Washer, Lock – Spring (M10)
11	718-1067	2	Screw Cap – Hex Head (M10 x 90mm)	22	860-2009	2	Nut, Hex (M10)

**Alternator
45 Amp
DQBA, DQBB**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	800-0050	2	Screw, Cap – Hex Head (3/8–16 x 1")	10	191-1983-02	1	Alternator (G1)
2	191-1980	1	Bracket, Mounting	11	191-1982	1	Pulley, Alternator
3	800-0059	1	Screw, Cap – Hex Head (M10 x 80mm)	12	191-1981	1	Fan, Alternator
4	870-2056	1	Nut, Hex – Flange Head (M10)	13	851-0039	1	Washer, Spring (Special)
5	511-0092	1	Belt, Alternator	14	870-2161	1	Nut, Hex (M16)
6	800-2059	1	Screw, Cap – Hex Head (M8 x 30mm)	15	860-2008	1	Nut, Hex (M8)
7	850-2008	2	Washer, Lock – Spring (M8)	16	860-2006	2	Nut, Hex (M5)
8	526-0030	3	Washer, Flat (3/8")	17	850-2005	2	Washer, Lock – Spring (M5)
9	191-1977	1	Bracket, Adjusting	18	800-0202	1	Screw, Cap – Hex Head (7/16–20 x 3–1/2")
				19	850-0055	1	Washer, Lock – Spring (7/16")

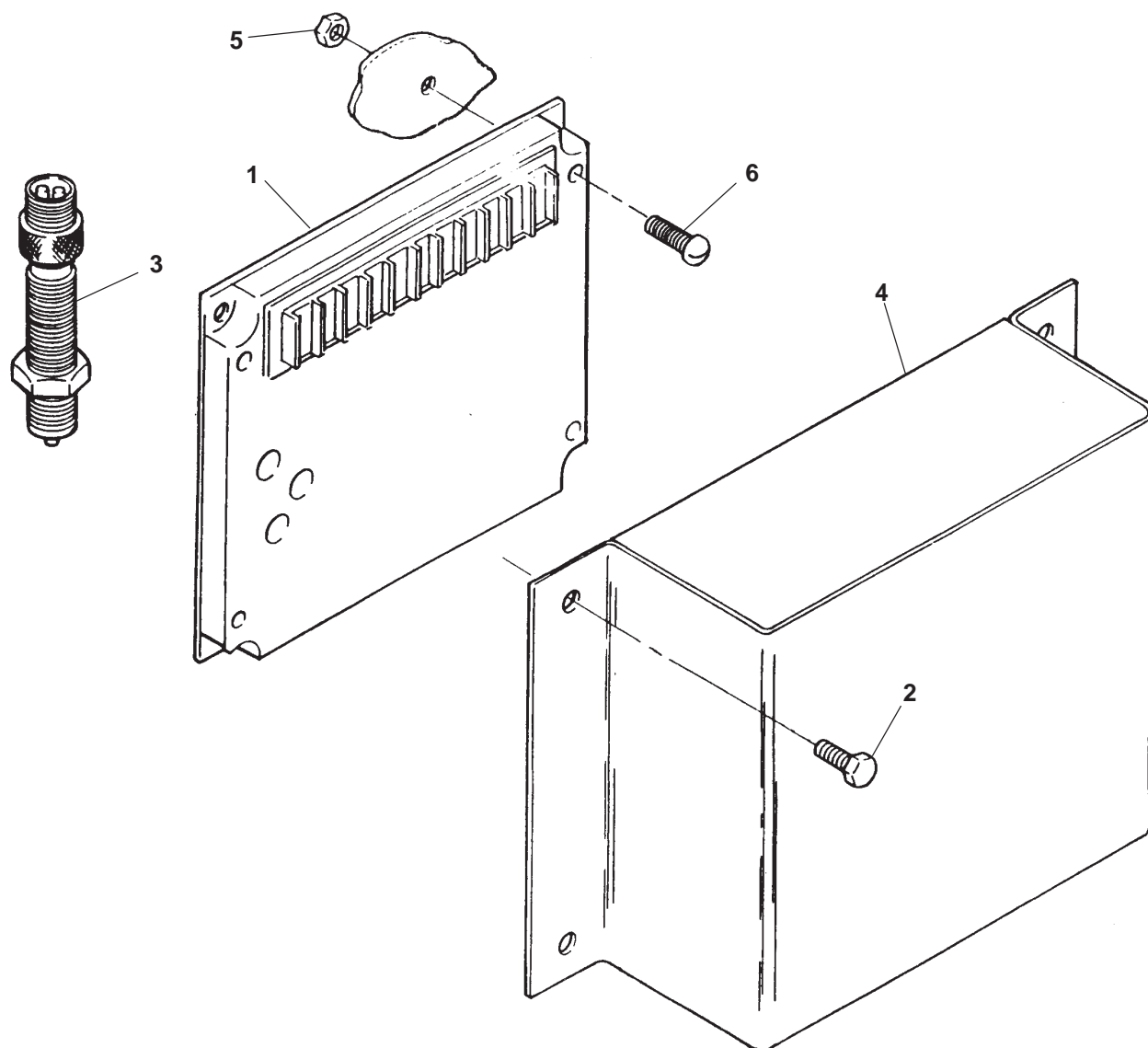
Alternator 75 Amp DQBA, DQBB



A305

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	800-0050	1	Screw, Cap – Hex Head (3/8–16 x 1")	10	191-1857	1	Bracket, Adjusting
2	800-0052	2	Screw, Cap – Hex Head (3/8–16 x 1-1/2")	11	191-1926-02	1	Alternator (Includes Fan) (G1)
3	191-1856	1	Support, Alternator	12	130-3176-02	1	Pulley, Alternator
4	800-0203	1	Screw, Cap – Hex Head (1/2–20 x 6")	13	511-0156	2	Belt, Alternator
5	526-0353	3	Washer, Flat (1/2")	14	305-0653	1	Bridge, Rectifier (Generator Sets With Detector Control)
6	870-0452	1	Nut, Locking (1/2–20)	15	850-0055	1	Washer, Lock – Spring (7/16")
7	800-0094	1	Screw, Cap – Hex Head (1/2–13 x 2")	16	800-0202	1	Screw, Cap – Hex Head (7/16–20 x 3-1/2")
8	850-0105	1	Washer, Lock – Spring (1/2")	17	850-0050	3	Washer, Lock – Spring (3/8")
9	370-4036-01	1	Spacer, Mounting				

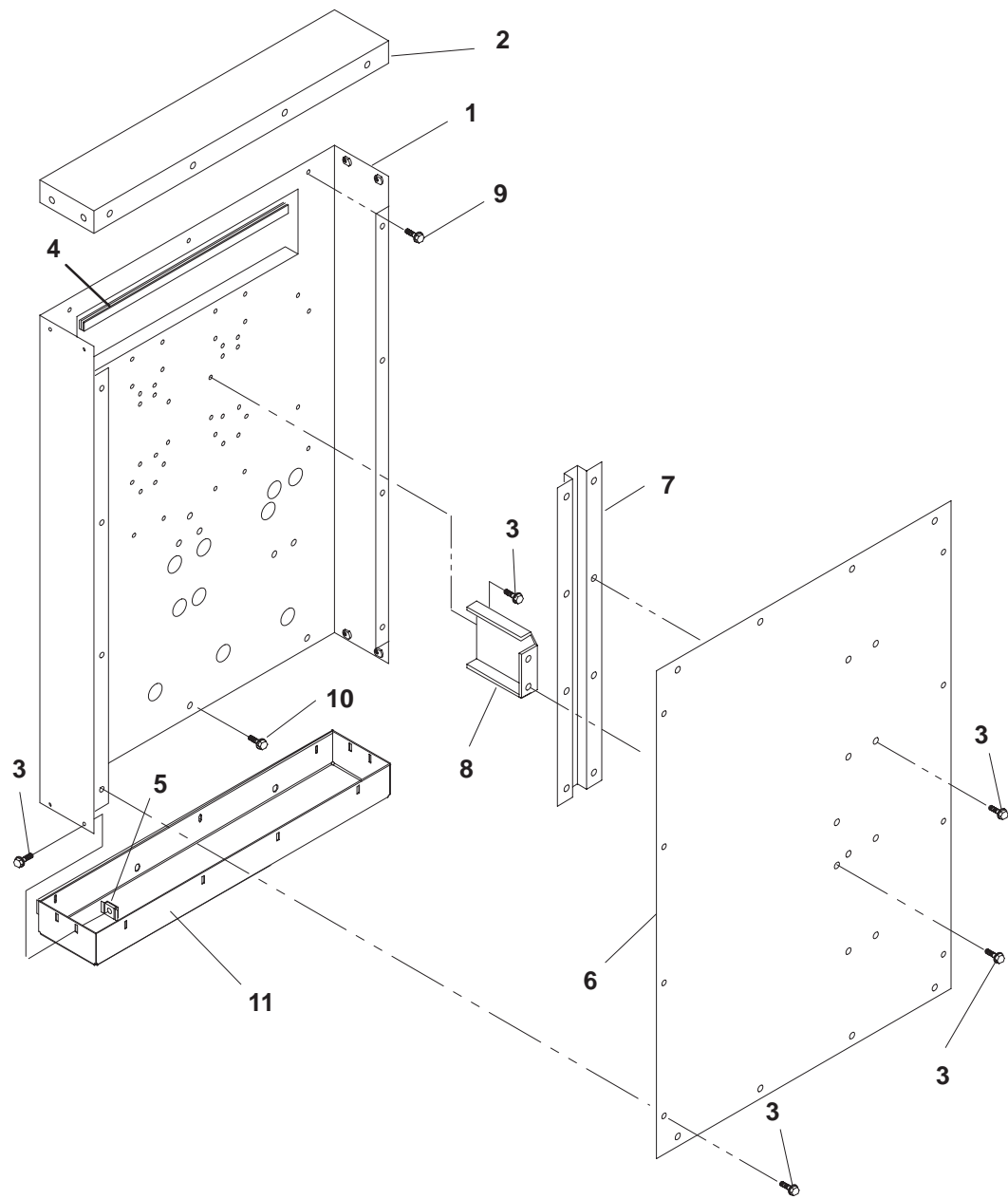
Electronic Governor



A332,H529,546,547

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	151-0637-01	1	Control, Governor	5	870-0131	4	Nut, Hex – W/ET (#10–32)
	151-0637	1	DQAA, DQAB				DQAA, DQAB Spec A
2			DQBA, DQBB	6			Screw
	821-5002-03	4	Screw, Self-Locking – Hex Washer Head		813-0103	4	Machine – Round Head (#10–32 x 3/4") DQAA, DQAB Spec A
			1/4–20 x 1/2" – DQAA, DQAB Spec A		821-6001-03	4	Self-Locking – Hex Washer Head (M5 x 16mm) DQAA, DQAB Spec B, DQBA, DQBB
	821-6002-03	4	M6 x 20mm – DQAA, DQAB Spec B, DQBA, DQBB				
3	151-0411	1	Pickup, Magnetic				
4	150-2213	1	Cover, Governor Control				

Entrance Box

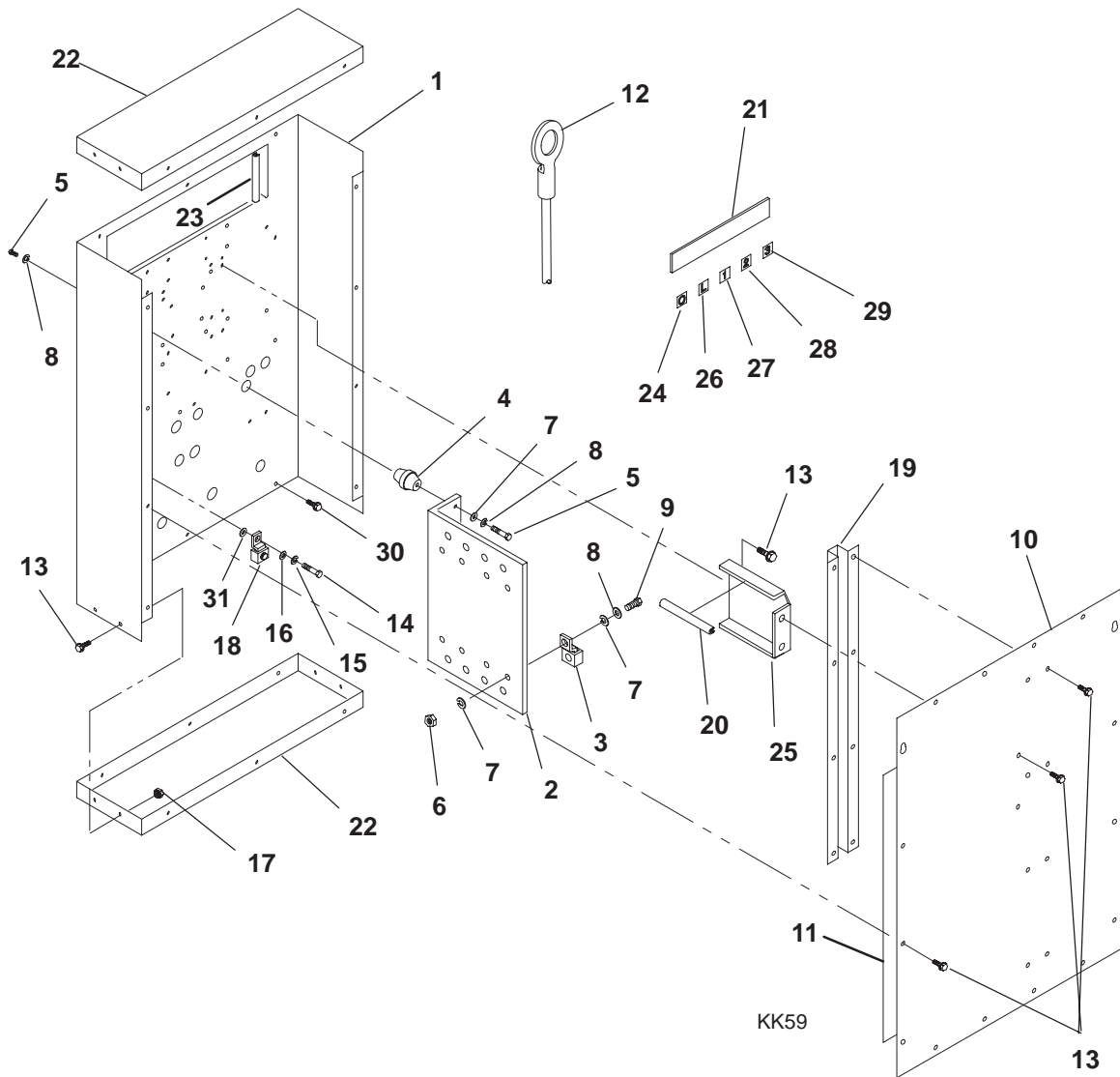


K882

Entrance Box

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Box, Entrance	6	319-1916	1	Cover
	319-2432	1	DQAA, DQAB Spec A	7			Brace, Cover
	319-3169	1	DQAA, DQAB Begin Spec B, DQBA, DQBB		319-1918	1	DQAA, DQAB Spec A
2	319-1915	1	Panel (Top)		319-3284	1	DQAA, DQAB Begin Spec B, DQBA, DQBB
3			Screw, Self-Locking – Hex Washer Head	8			Brace, Cover
	821-5002-03	41	DQAA, DQAB Spec A (1/4-20 x 1/2")		319-1927	1	DQAA, DQAB Spec A
	821-6002-03	44	DQAA, DQAB Begin Spec B, DQBA, DQBB (M6 x 16mm)		319-3251	1	DQAA, DQAB Begin Spec B, DQBA, DQBB
4			Edging – Bulk (Order By The Foot)	9	821-5002-04	4	Screw, Self-Locking – Hex Washer Head (1/4-20 x 5/8")
	508-1092	–	DQAA, DQAB Spec A – 3 Feet Required				DQAA, DQAB Spec A
	508-1092	–	DQAA, DQAB Begin Spec B, DQBA, DQBB – 2 Feet Required	10			Screw, Self-Locking – Hex Washer Head
5			Nut, Self-Retaining		821-0009	1	DQAA, DQAB Spec A (1/4-20 x 3/8")
	870-0494	16	DQAA, DQAB Spec A (1/4-20) Floating		821-2035	2	DQAA, DQAB Begin Spec B, DQBA, DQBB (M6 x 25mm)
	870-0504	16	DQAA, DQAB Begin Spec B, DQBA, DQBB (M6)	11			Panel (Bottom)
					319-1915	1	DQAA, DQAB Spec A
					319-3183	1	DQAA, DQAB Begin Spec B, DQBA, DQBB

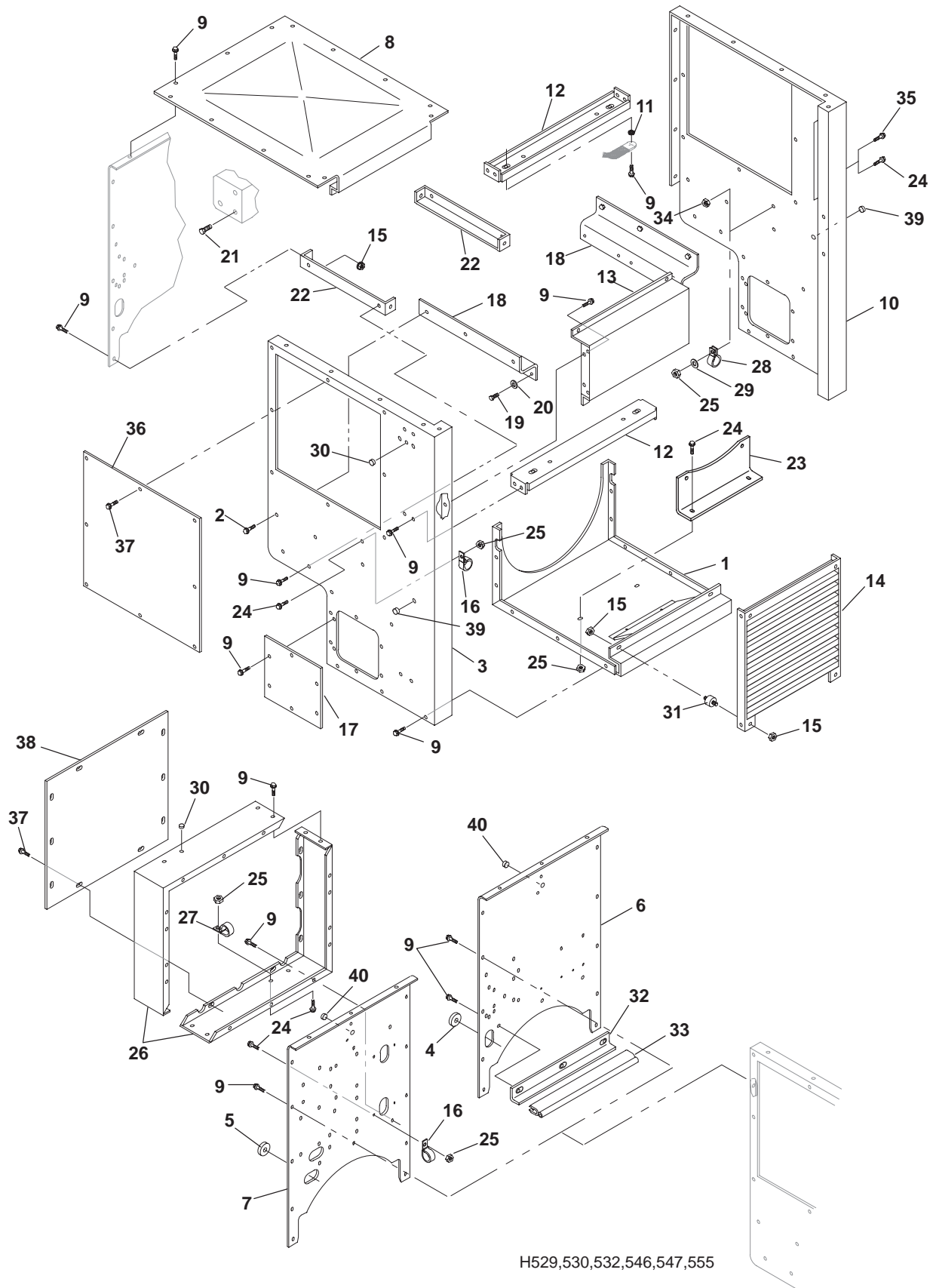
Bus Box **DQAA and DQAB Spec A**



Bus Box DQAA and DQAB Spec A

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

Control Housing



H529,530,532,546,547,555

Control Housing

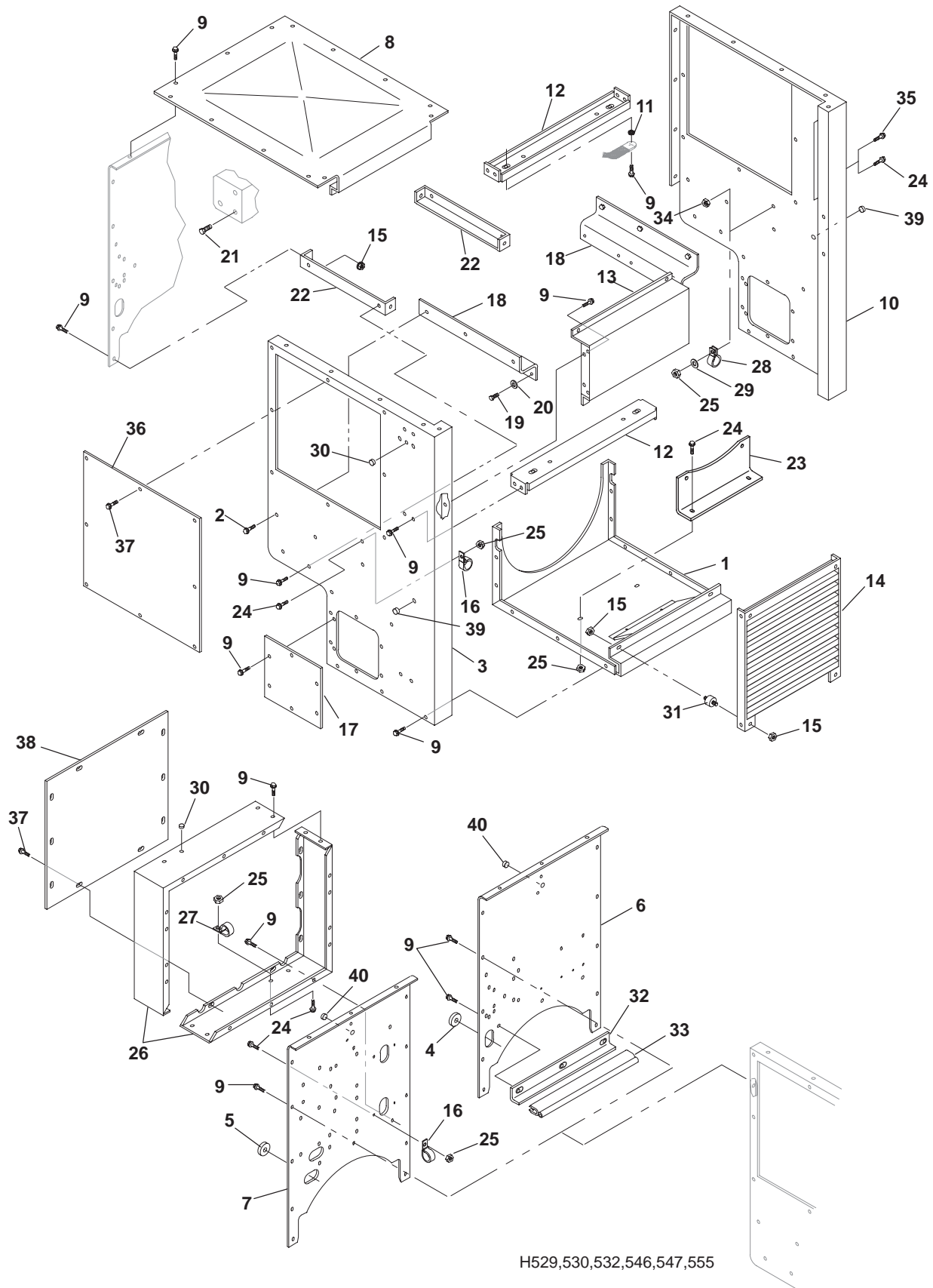
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-2771-01	1	Panel – Bottom DQAA, DQAB Spec A DQAA, DQAB Spec B, DQBA, DQBB	11	856-0006	1	Washer, Lock – EIT (1/4") * Sets With Detector Control
	319-3270-01	1	HC4 Generators		856-0006	2	# Sets With PowerCommand Control
	319-3270-02	1	HC5 Generators	12	301-9510	2	Support, Control Box DQAA, DQAB Spec A
2			Screw, Self-Locking – Hex Washer Head		319-3294	2	DQAA, DQAB Spec B, DQBA, DQBB
	821-5004-02	6	DQAA, DQAB Spec A (3/8–16 x 3/4")	13	319-2776	1	Panel – Rear
	821-6004-01	6	DQAA, DQAB Spec B, DQBA, DQBB (M10 x 20mm)	14	319-2768	1	Grille
3			Panel – Right Side	15	870-0550-05	10	Nut, Locking – Hex Flange Head DQAA, DQAB Spec A (1/4–20)
	319-2784-01	1	DQAA, DQAB Spec A		870-2054	8	DQAA, DQAB Spec B, DQBA, DQBB (M6)
	319-3287-01	1	DQAA, DQAB Spec B, DQBA, DQBB	16	332-2634	2	Clamp, "J"
4	508-1057	1	* Grommet, Rubber (Fits 2–1/4" Hole)		332-2634	1	* Sets With Detector Control # Sets With PowerCommand Control
5	508-1090	4	# Grommet, Rubber (Fits 3–1/4" Hole)	17	301-9629	2	Cover, Side – Lower
6			Panel – Front	18	319-0743	2	Bracket, Mounting DQAA, DQAB Spec A
	319-2785	1	* DQAA, DQAB Spec A DQAA, DQAB Spec B, DQBA, DQBB		319-3255	2	DQAA, DQAB Spec B, DQBA, DQBB
	319-3289	1	* HC4 Generators		319-3327	2	HC4 Generators
	319-3290	1	* HC5 Generators	19	800-2111	6	HC5 Generators
7			Panel – Front	20	850-2012	6	Screw, Cap – Hex Head (M12 x 25mm)
	319-2218	1	# DQAA, DQAB Spec A DQAA, DQAB Spec B, DQBA, DQBB	21	800-2114	1	Washer, Lock – Spring (M12) Screw, Cap – Hex Head (M12 x 40mm) Not Used On HC5 Generators
	319-3274	1	# HC4 Generators	22	319-0748	2	Panel, Support DQAA, DQAB Spec A
	319-3273	1	# HC5 Generators		319-3257	2	DQAA, DQAB Spec B, DQBA, DQBB
8	301-9512	1	Cover, Top	23			Bracket, Panel HC4 Generators
9			Screw, Self-Locking – Hex Washer Head		319-1345	1	HC5 Generators
	821-5002-03	62	* Sets With Detector Control DQAA, DQAB Spec A (1/4–20 x 1/2") DQAA, DQAB Spec B, DQBA, DQBB (M6 x 16mm)	24	319-1346	1	Screw, Self-Locking – Hex Washer Head Sets With Detector Control
	821-6002-03	62	* HC4 Generators		821-5003-03	4	* DQAA, DQAB Spec A (5/16–18 x 3/4")
	821-6002-03	61	* HC5 Generators		821-6003-02	4	* DQAA, DQAB Spec B, DQBA, DQBB (M8 x 20mm)
	821-5002-03	69	# Sets With PowerCommand Control DQAA, DQAB Spec A (1/4–20 x 1/2") DQAA, DQAB Spec B, DQAB, DQBB (M6 x 16mm)		821-5003-03	6	# Sets With PowerCommand Control DQAA, DQAB Spec A (5/16–18 x 3/4")
	821-6002-03	69	# HC4 Generators		821-6003-02	6	# DQAA, DQAB Spec B, DQBA, DQBB (M8 x 20mm)
10			Panel – Left Side				
	319-2784-02	1	DQAA, DQAB Spec A				
	319-3287-02	1	DQAA, DQAB Spec B, DQBA, DQBB				

* – Parts Used On Sets With Detector Control

– Parts Used On Sets With PowerCommand Control

Continued...

Control Housing



H529,530,532,546,547,555

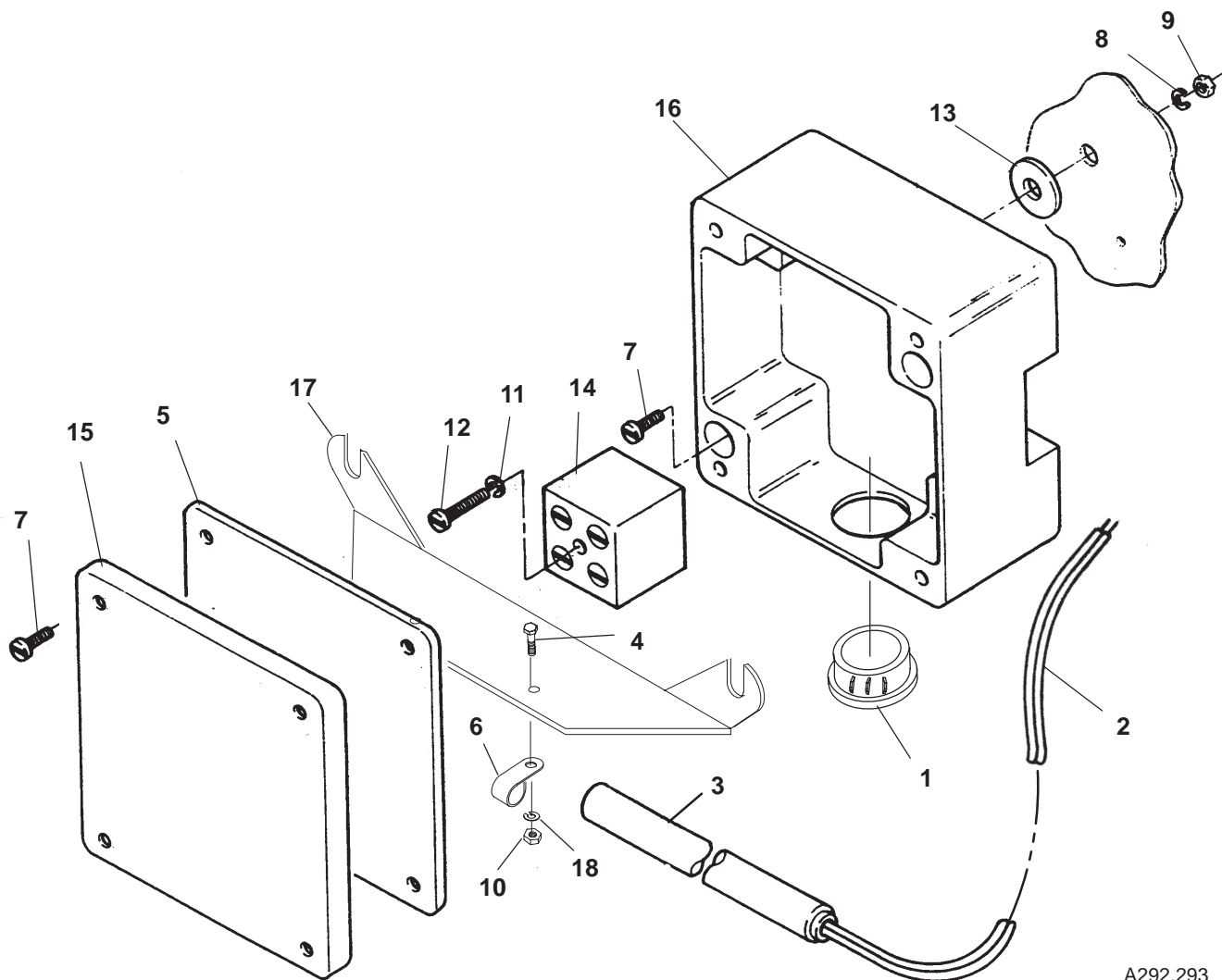
Control Housing

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
Continued...							
25			Nut, Locking – Hex Head	36			Cover, Side – Upper
	870-0257	4	* Sets With Detector Control DQAA, DQAB Spec A (5/16-18)		301-9511	2	Without Circuit Breaker, Entrance Box or BUS Box
	870-2055	4	* DQAA, DQAB Spec B, DQBA, DQBB (M8)		301-9511	1	With Circuit Breaker, Entrance Box or BUS Box
			Sets With PowerCommand Control	37			Screw, Self-Locking – Hex Washer Head
	870-0257	6	# DQAA, DQAB Spec A (5/16-18)				Sets With Detector Control
	870-2055	6	# DQAA, DQAB Spec B, DQBA, DQBB (M8)		821-5002-03	16	Without Circuit Breaker, Entrance Box or BUS Box
26			Wrapper, Control Box		821-6002-03	16	* DQAA, DQAB Spec A (1/4-20 x 1/2")
	319-2476	2	# DQAA, DQAB Spec A				* DQAA, DQAB Spec B, DQBA, DQBB (M6 x 20mm)
	319-3278	2	# DQAA, DQAB Spec B, DQBA, DQBB				With Circuit Breaker, Entrance Box or BUS Box
27	332-2634	2	# Clamp, "J"		821-5002-03	8	* DQAA, DQAB Spec A (1/4-20 x 1/2")
28	518-0548-24	1	# Clamp, Retainer		821-6002-03	8	* DQAA, DQAB Spec B, DQBA, DQBB (M6 x 20mm)
29			Washer, Flat				Sets With PowerCommand Control
	526-0399-16	1	# DQAA, DQAB Spec A (5/16")				Without Circuit Breaker, Entrance Box or BUS Box
	526-2100	1	# DQAA, DQAB Spec B, DQBA, DQBB (M8)				Box
30			Plug, Hole (Fits 3/8" Hole)		821-5002-03	26	# DQAA, DQAB Spec A (1/4-20 x 1/2")
	517-0131	1	* Sets With Detector Control – DQAA, DQAB Spec B, DQBA, DQBB		821-6002-03	26	# DQAA, DQAB Spec B, DQBA, DQBB (M6 x 20mm)
			Sets With PowerCommand Control				With Circuit Breaker, Entrance Box or BUS Box
	517-0131	2	# DQAA, DQAB Spec A				Box
	517-0131	3	# DQAA, DQAB Spec B, DQBA, DQBB				DQAA, DQAB Spec A (1/4-20 x 1/2")
31			Isolator, Vibration				DQAA, DQAB Spec B, DQBA, DQBB (M6 x 20mm)
	402-0508	4	DQAA, DQAB Spec A				With Circuit Breaker, Entrance Box or BUS Box
	402-0729	4	DQAA, DQAB Spec B, DQBA, DQBB				Box
32			Angle, Stiffener		821-5002-03	18	# DQAA, DQAB Spec A (1/4-20 x 1/2")
	319-2787	1	* DQAA, DQAB Spec A		821-6002-03	18	# DQAA, DQAB Spec B, DQBA, DQBB (M6 x 20mm)
	319-3291	1	* DQAA, DQAB Spec B, DQBA, DQBB				# Cover, Control Box
33	508-1109	–	* Edging – Bulk (1/4") (Order By The Foot – 1 Foot Required)	38	319-2220	1	Plug, Hole (Fits 3/4" Hole)
34			Nut, Locking – Hex Head (Used As A Plug)	39	517-0136	2	DQAA, DQAB Spec B, DQBA, DQBB
	870-0257	1	* DQAA, DQAB Spec A (5/16-18)				Plug, Hole (Fits 5/8" Hole)
	870-2055	1	* DQAA, DQAB Spec B, DQBA, DQBB (M8)	40	517-0135	1	DQAA, DQAB Spec B, DQBA, DQBB
35			Screw, Self-Locking – Hex Washer Head (Used As A Plug)				
	821-5003-03	1	* DQAA, DQAB Spec A (5/16-18 x 3/4")				
	821-6003-02	1	* DQAA, DQAB Spec B, DQBA, DQBB (M8 x 20mm)				

* – Parts Used On Sets With Detector Control

– Parts Used On Sets With PowerCommand Control

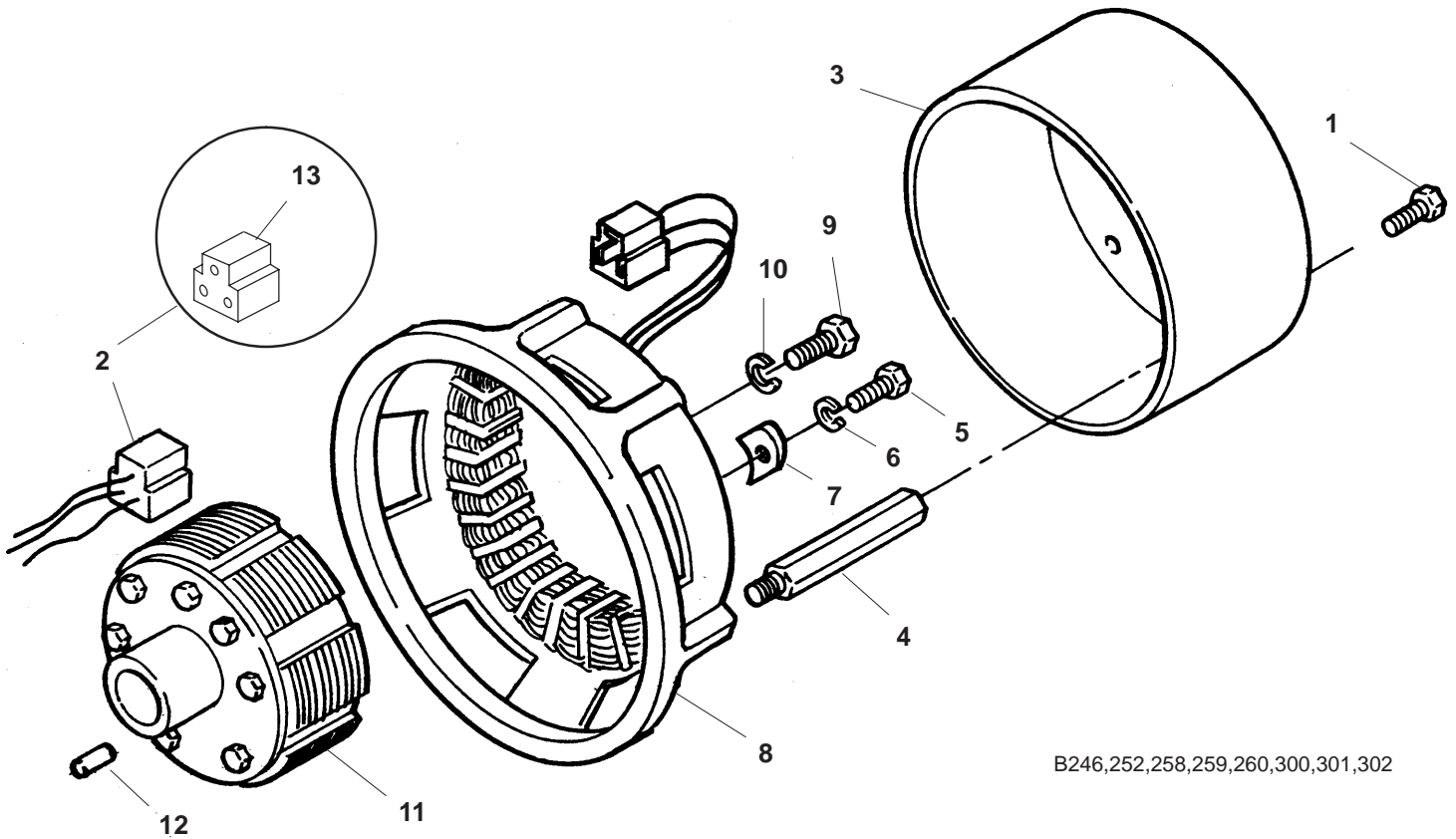
Generator Heater



A292,293

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	517-0021	1	Plug, Dot Button	7	822-3075	6	Screw, Machine – Slotted
2	898-1254-25	1	Sleeving – Heater Leads (59")				Pan Head (M4 x 16mm)
3			Cartridge, Heater	8	850-2004	2	Washer, Lock – Spring (M4)
			Generators With One	9	860-2005	2	Nut, Hex (M4)
			Heater Cartridge (300	10	860-2006	2	Nut, Hex (M5)
			Watt)	11	850-2003	1	Washer, Lock – Spring (M3)
	333-0438-05	1	120 Volt, 300 Watt	12	822-3047	1	Screw, Machine – Pan Head (M3 x 20mm)
	333-0438-06	1	240 Volt,	13	508-0228	1	Grommet
			Generators With Two	14	332-3023	1	Block, Terminal
			Heater Cartridges (150	15	330-0141-03	1	Cover, Box
			Watt)	16	330-0142	1	Box, Terminal
	333-0438-03	2	120 Volt	17			Bracket, Mounting – Heater
	333-0438-04	2	240 Volt		232-3849	1	Used With One Heater
4	800-2008	2	Screw, Cap – Hex Head (M5 x 16mm)				Cartridge (Without 90 Deg Bends)
5	330-0141-04	1	Gasket, Cover		232-3850	1	Used With Two Heater
6			Clamp, Loop				Cartridges (With 90 Deg Bends)
	332-3024-14	2	Used With One Heater Cartridge	18	850-2005	2	Washer, Lock – Spring (M5)
	332-3024-14	4	Used With Two Heater Cartridges				

Permanent Magnet Exciter

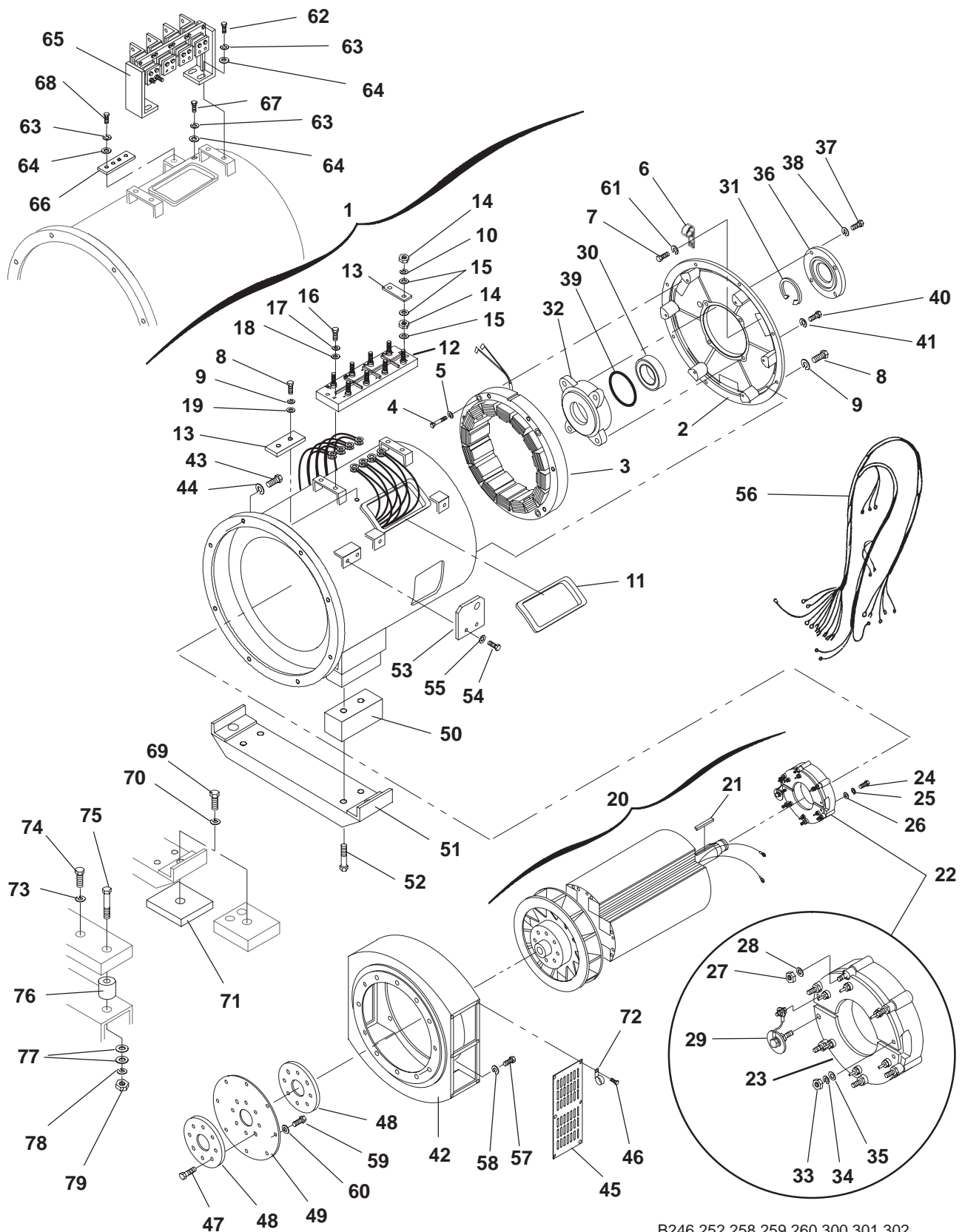


B246,252,258,259,260,300,301,302

Note: Model HC4 and HC5 generators can be determined by referring to the “Generator Rotor and Stator Part Numbers” page in this catalog.

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)	9			Bolt, Hex Head
2	338-2508	1	Harness, Wiring – PMG (3 Wire, 30”) (Includes Housing Connector) (P2, P3, P4 to P2, P3, P4)	815-0761	1		Model HC4 Generators (M10 x 110mm)
3	234-0890	1	Cover	815-0825	1		Model HC5 Generators (M10 x 120mm)
4	232-3527	3	Spacer, Mounting	10	850-2010	1	Washer, Lock – Spring (M10)
5	800-3017-18	4	Screw, Cap – Hex Head (M8 x 16mm)	11			Rotor, Exciter – PMG
6	850-0114-54	4	Washer, Lock – Spring (M8)	201-3455	1		Model HC4 Generators
7	232-3526	4	Clamp, Stator	201-3510	1		Model HC5 Generators
8			Stator, Exciter – PMG	12	775-0049	1	Pin
	220-4249	1	Model HC4 Generators	13	332-3021	1	Connector, Housing (3 Place)
	220-4396	1	Model HC5 Generators				

Generator



B246,252,258,259,260,300,301,302

Generator

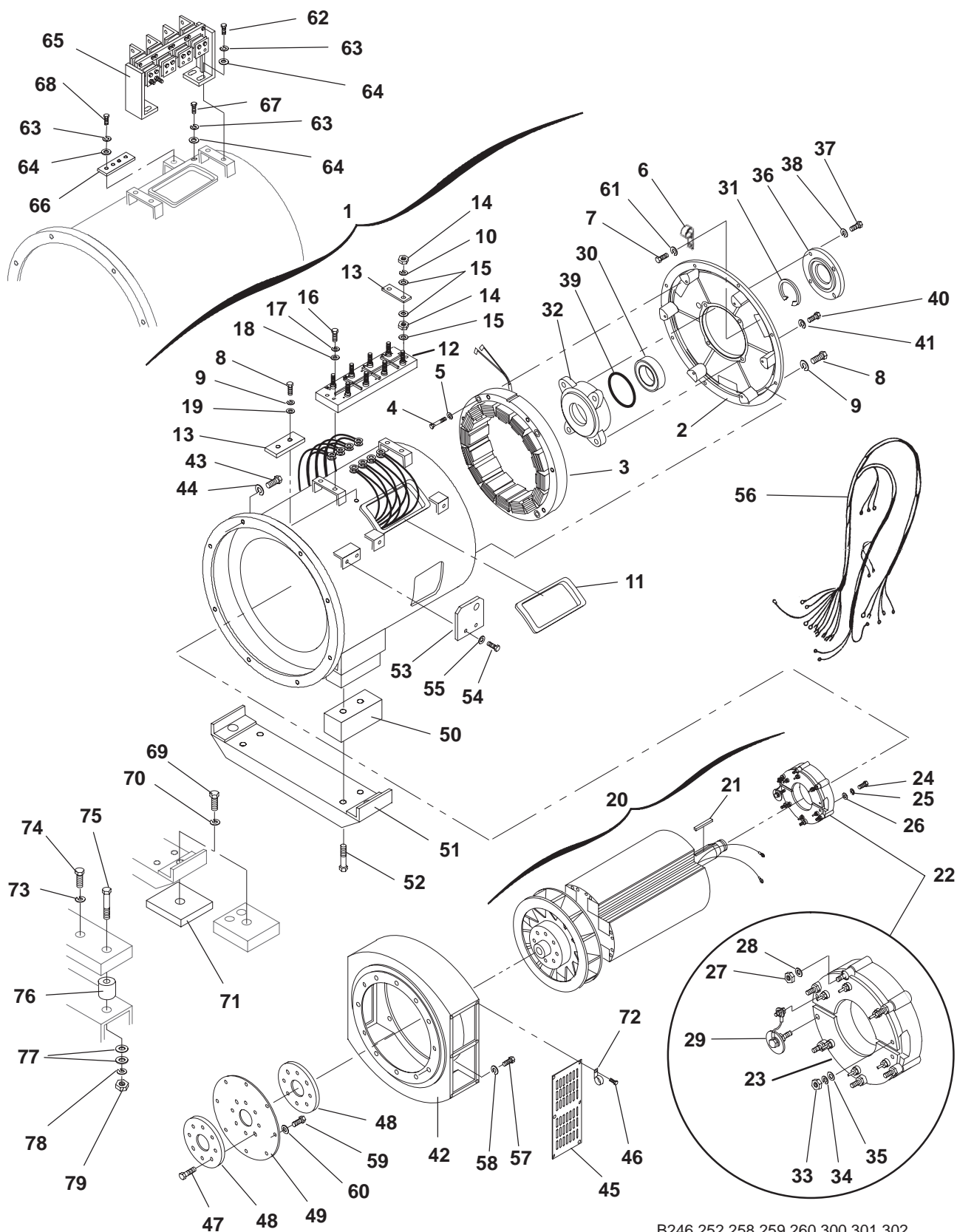
Note: Model HC4 and HC5 generators can be determined by referring to the “ Generator Rotor and Stator Part Numbers” page in this catalog.

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 *)	22			#Rotor Assembly, Exciter (Includes Parts Marked +)
					201–3460	1	Model HC4 Generators
					201–3508	1	Model HC5 Generators
2			*Bell, End	23	357–0093	1	#+ Rectifier Assembly (Includes Diodes and Varistor)
	211–0431	1	Model HC4 Generators				
	211–0457	1	Model HC5 Generators	24			#+ Screw, Cap – Hex Head
3			*Stator, Exciter		800–2042	4	Model HC4 Generators (M6 x 60mm)
	220–4248	1	Model HC4 Generators		800–2045	4	Model HC5 Generators (M6 x 75mm)
	220–4389	1	Model HC5 Generators				
4			*Screw, Cap – Hex Head	25	850–2006	4	#+ Washer, Lock – Spring (M6)
	800–2066	6	Model HC4 Generators (M8 x 65mm)	26	526–2080	4	#+ Washer, Flat (M6)
	800–2069	6	Model HC5 Generators (M8 x 80mm)	27	870–2064–02	6	#+ Nut, Hex (M5)
5	850–2008	6	*Washer, Lock – Spring (M8)	28	526–2060	6	#+ Washer, Flat (M5)
6	425–1799	1	*Clamp, Cable	29	249–0797	1	Kit, Diode (Includes Varistor And All Diodes)
7	800–2004	1	*Screw, Cap – Hex Head (M5 x 12mm)	30	510–0168	1	#Bearing, Ball
				31	518–0018	1	#Ring, Retaining
8			*Screw, Cap – Hex Head (M10 x 35mm)	32	232–3518–01	1	#Housing, Bearing
	800–3017–39	9	Model HC4 Generators	33	860–2006	2	#Nut, Hex (M5)
	800–3017–39	8	Model HC5 Generators	34	850–2005	2	#Washer, Lock – Spring (M5)
9			*Washer, Lock – Spring (M10)	35	526–2060	2	#Washer, Flat (M5)
	850–0114–55	9	Model HC4 Generators	36	232–3981–01	1	#Cover, Bearing Housing
	850–0114–55	8	Model HC5 Generators	37	800–2087	4	#Screw, Cap – Hex Head (M10 x 30mm)
10	850–2012	8	*Washer, Lock – Spring (M12) Model HC4 Generators	38	850–2010	4	#Washer, Lock – Spring (M10)
				39	509–0266–03	1	#O–Ring
11			*Grommet	40	800–2091	4	Screw, Cap – Hex Head (M10 x 50mm)
	508–0306	2	Model HC4 Generators				
	508–1086	1	Model HC5 Generators	41	850–2010	4	Washer, Lock – Spring (M10)
12	232–3482	1	*Panel, Terminal – Model HC4 Generators	42			Adapter, Generator
					231–0322	1	Model HC4 Generators
13	332–3009	4	*Link, Terminal – Model HC4 Generators		231–0345	1	Model HC5 Generators
				43			Screw
14	860–2010	16	*Nut, Hex (M12) Model HC4 Generators		800–3017–56	6	Cap – Hex Head (M12 x 40mm)
15	526–2140	24	*Washer, Flat (M12) Model HC4 Generators		725–1103	2	Socket Head (M12 x 40mm) (Bottom Holes)
16	800–2061	4	*Screw, Cap – Hex Head (M8 x 40mm) Model HC4 Generators	44	850–0114–56	8	Washer, Lock – Spring (M12)
				45			Guard, Fan
17	850–2008	4	*Washer, Lock – Spring (M8) Model HC4 Generators		234–0889	2	Model HC4 Generators
					234–0944	2	Model HC5 Generators
18	526–2100	4	*Washer, Flat (M8) Model HC4 Generators				
19	526–2120	1	*Washer, Flat (M10) Model HC4 Generators				
20	—	1	Rotor Assembly, Generator – Complete (See Separate Page For Part Numbers) (Includes Parts Marked #)				
21			#Key				
	515–0300–01	1	Model HC4 Generators				
	515–0300–06	1	Model HC5 Generators				

* – Parts Included In Generator Stator Assemblies
– Parts Included In Generator Rotor Assemblies
+ – Parts Included In Exciter Rotor Assemblies

Continued...

Generator



B246,252,258,259,260,300,301,302

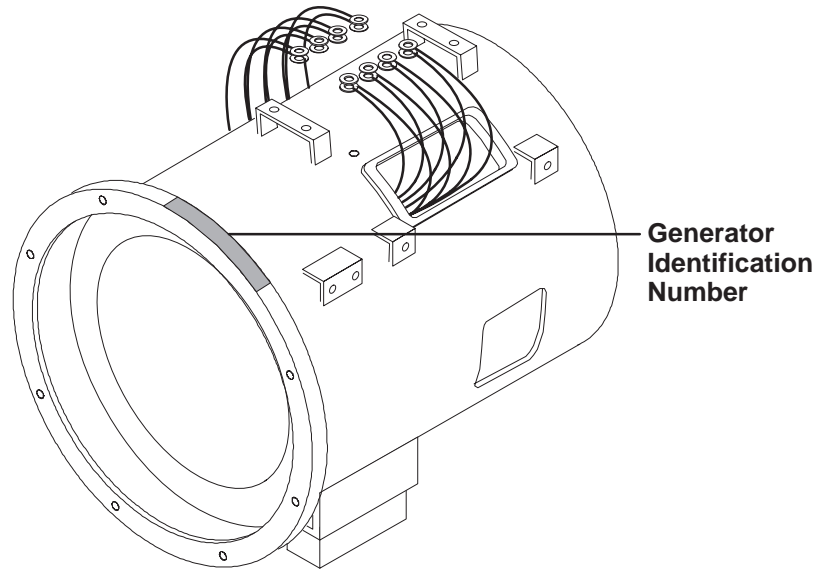
Generator

Note: Model HC4 and HC5 generators can be determined by referring to the “ Generator Rotor and Stator Part Numbers” page in this catalog.

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
Continued...							
46	821-6001-02	12	Screw, Self-Locking – Hex Washer Head (M5 x 12mm)	58	850-0055	12	Washer, Lock – Spring (7/16")
47	720-1146	8	Screw, Cap – Hex Head Model HC4 Generators (M20 x 60mm)	59	805-0032	8	Bolt, Place (1/2-13 x 1-1/4")
	720-1148	8	Model HC5 Generators (M20 x 70mm)	60	526-0035	8	Washer, Flat (1/2")
48	232-3520-01	2	Spacer, Drive Disc Model HC4 Generators (3/8" Thk)	61	850-2005	1	*Washer, Lock – Spring (M5)
	232-3520-01	1	Model HC5 Generators 3/8" Thk	62	800-3017-39	4	*Screw, Cap – Hex Head (M10 x 35mm) Model HC5 Generators
	232-3775-02	1	1" Thk	63	850-0114-55	6	*Washer, Lock – Spring (M10) Model HC5 Generators
49	232-3522	4	Disc, Drive	64	526-2120	6	*Washer, Flat (M10) Model HC5 Generators
50	232-3524	2	Spacer, Generator Foot – Model HC4 Generators	65	232-3782	1	*Block, Main Terminal – Model HC5 Generators
51	232-3722	1	Foot, Generator "C" Channel Stock (7" x 26-7/8") (Illustrated)	66	232-3785-02	3	*Bar, Terminal Link – Model HC5 Generators
	232-3966	1	Bar Stock 6" x 35" (12 Holes)	67	800-2084	1	*Screw, Cap – Hex Head (M10 x 16mm) Model HC5 Generators
	232-4011	1	6" x 26-3/8" (6 Holes)	68	800-2090	1	*Screw, Cap – Hex Head (M10 x 45mm) Model HC5 Generators
52	800-2244	4	Screw, Cap – Hex Head Used With "C" Channel Generator Foot (M24 x 80mm)	69	800-0579	2	Screw, Cap – Hex Head (1-8 x 2-3/4")
			Used With Bar Stock Generator Foot	70	850-0086	2	Washer, Lock – Spring (1")
	800-2247	4	M24 x 100mm	71	403-3338	2	Pad, Generator Mounting
	800-2242	4	M24 x 70mm	72	332-3196	1	Clamp, "J"
53	232-3523	2	Bracket, Generator Lifting	73	850-0060	2	Washer, Lock – Spring (1/2")
54	800-3017-55	4	Screw, Cap – Hex Head (M12 x 35mm)	74	800-0093	2	Screw, Cap – Hex Head (1/2-13 x 1-3/4")
55	850-0114-56	4	Washer, Lock – Spring (M12)	75	800-0307	2	Screw, Cap – Hex Head (1-8 x 5")
56	338-3348	1	Harness, Wiring (5 Wire, 23") (4,5,6,7,8 to 4,5,6,7,8) (Not Used On All Models)	76	403-4115	2	Spacer, Generator Mounting
57	800-0073	12	Screw, Cap – Hex Head 7/16-14 x 1-1/2"	77	526-0435	4	Washer, Flat (1")
	800-0074	12	7/16-14 x 1-3/4"	78	850-0086	2	Washer, Lock – Spring (1")
				79	862-0042	2	Nut, Hex (1-8)

* – Parts Included In Generator Stator Assemblies
– Parts Included In Generator Rotor Assemblies
+ – Parts Included In Exciter Rotor Assemblies

Generator Rotor and Stator Part Numbers

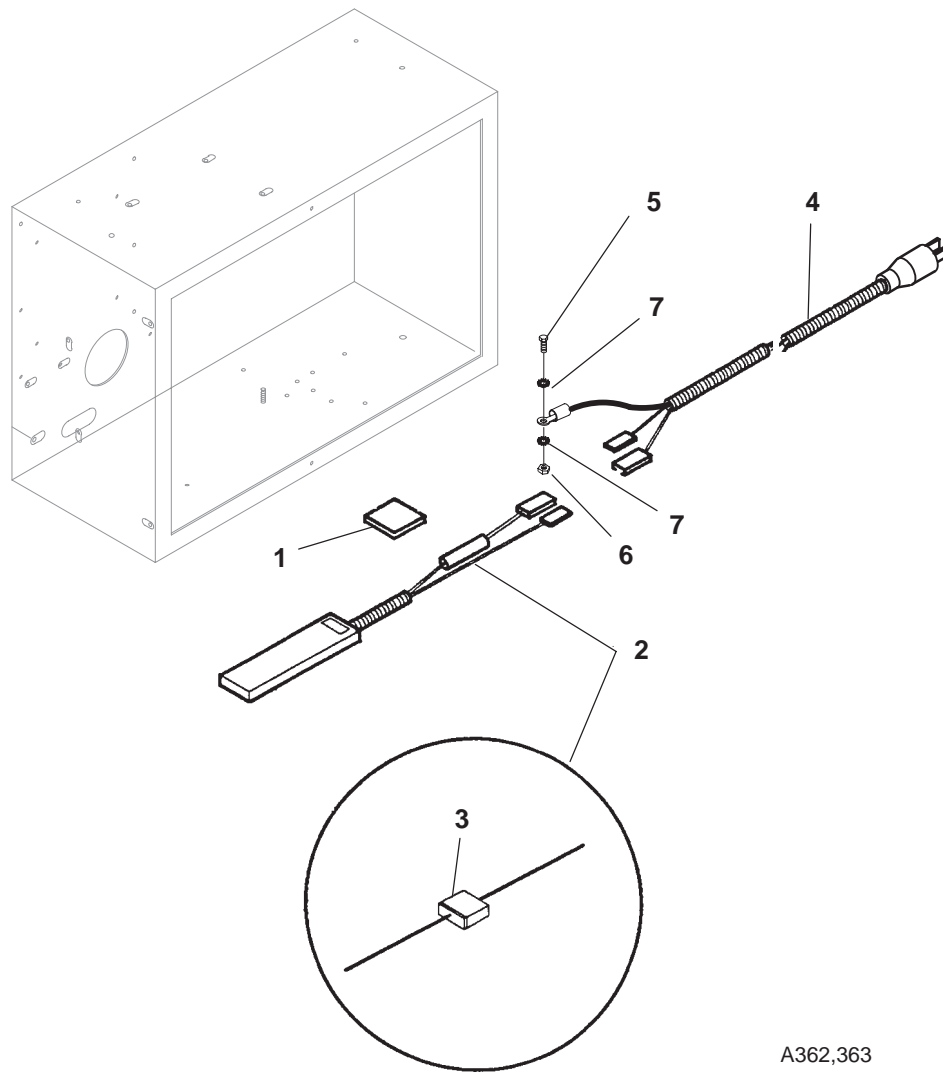


Service replacement part numbers for the main generator stator and rotor can be determined by locating the Cummins/Onan 249-XXXX-XX generator identification number. This number is stamped on the engine end of the main stator adapter ring in the area shown in the above illustration. Find the corresponding 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 “Generator” pages of this catalog.

Cummins/Onan Identification Number	Generator Model	Stator Assembly Part Number	Rotor Assembly Part Number
249-5080-02	HC4	220-4468-01	201-3459-01
249-5080-03	HC4	220-4468-02	201-3459-02
249-5080-04	HC4	220-4468-03	201-3459-03
249-5080-05	HC4	220-4468-04	201-3459-04
249-5080-24	HC4	220-4468-03	201-3459-03
249-5080-25	HC4	220-4468-04	201-3459-04
249-5081-02	HC4	220-4468-07	201-3459-01
249-5081-03	HC4	220-4468-08	201-3459-02
249-5081-04	HC4	220-4468-09	201-3459-03
249-5081-05	HC4	220-4468-10	201-3459-04
249-5081-24	HC4	220-4468-09	201-3459-03
249-5081-25	HC4	220-4468-10	201-3459-04
249-5083-01	HC5	220-4474-01	201-3505-01
249-5084-01	HC5	220-4474-05	201-3505-01
249-5100-01	HC5	220-4474-01	201-3505-01
249-5101-01	HC5	220-4474-05	201-3505-01

Control Heater Generator Sets With Detector Control

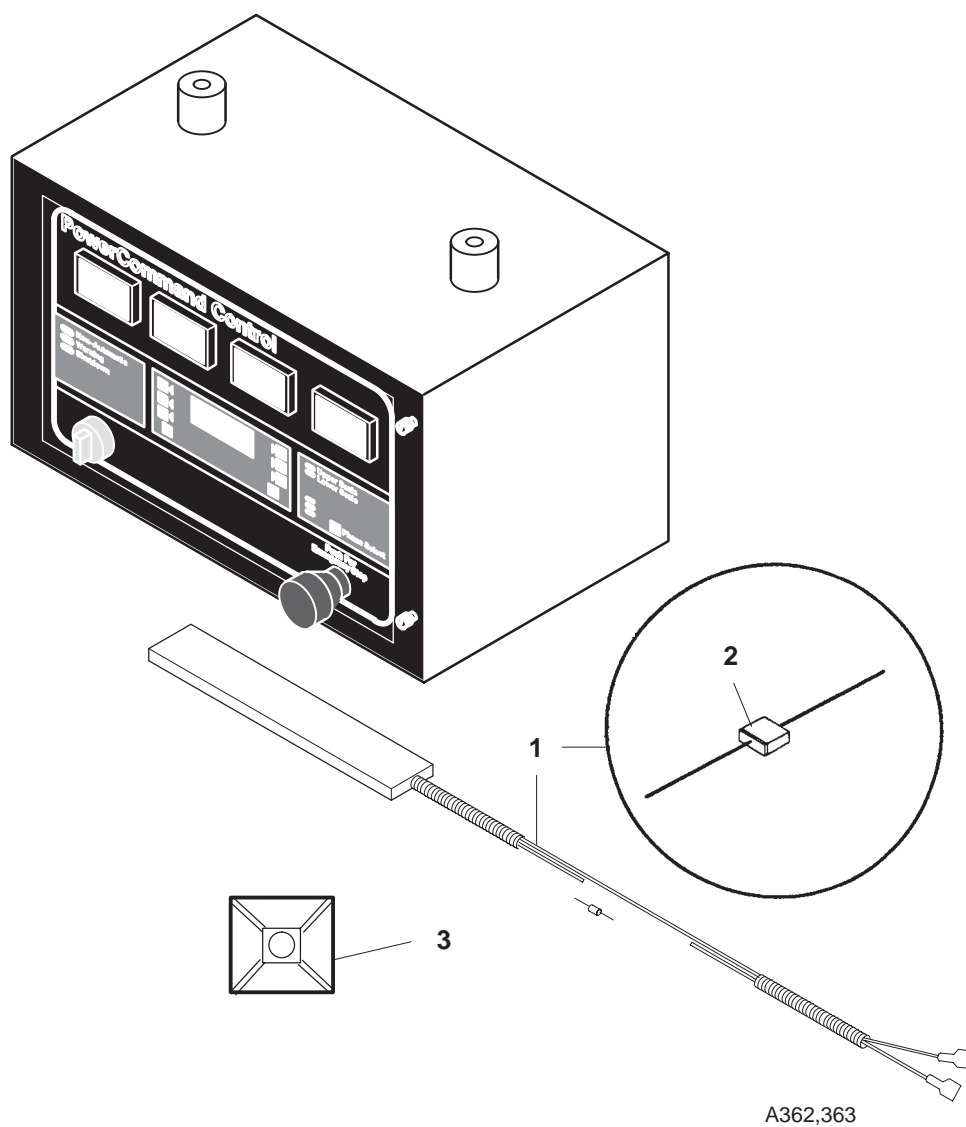


A362,363

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")
	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")				

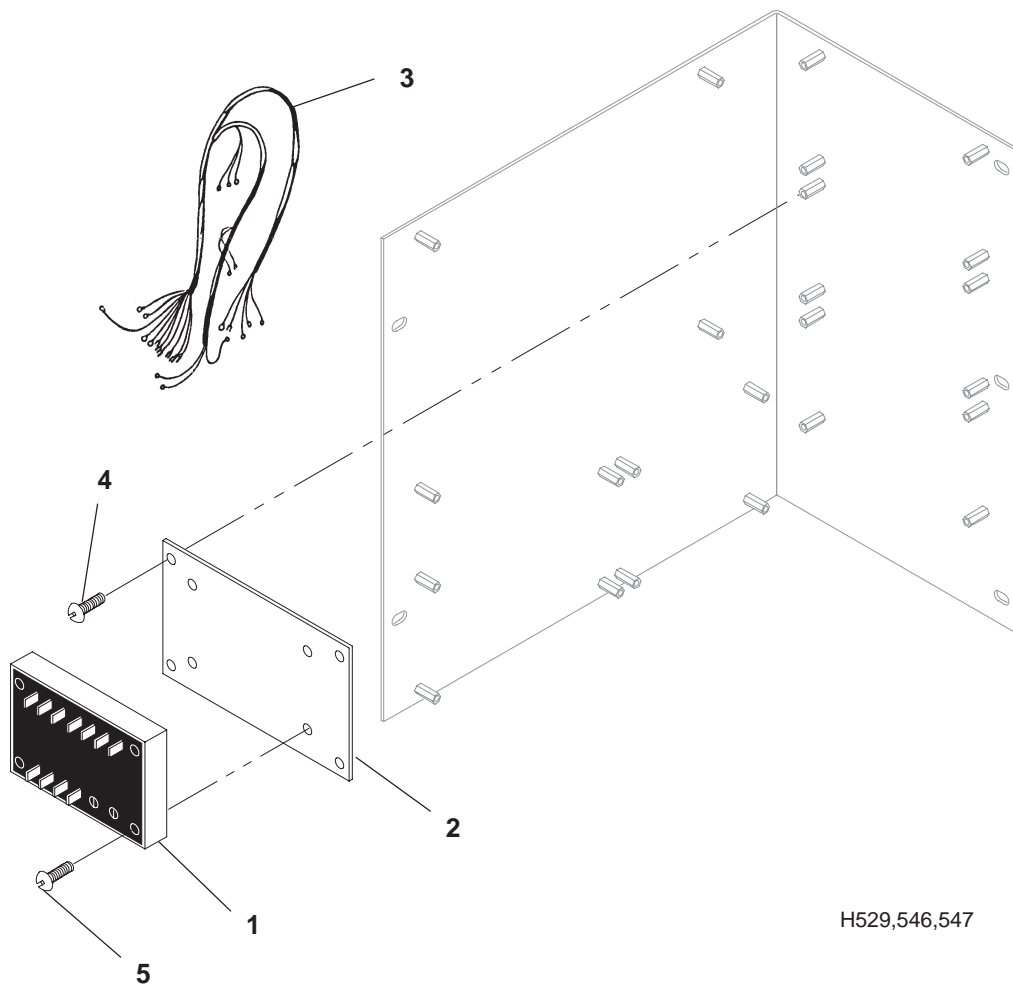
* – Parts Used in 120 Volt Control Heater Application
– Parts Used in 240 Volt Control Heater Application

Control Heater Generator Sets With PowerCommand Control



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

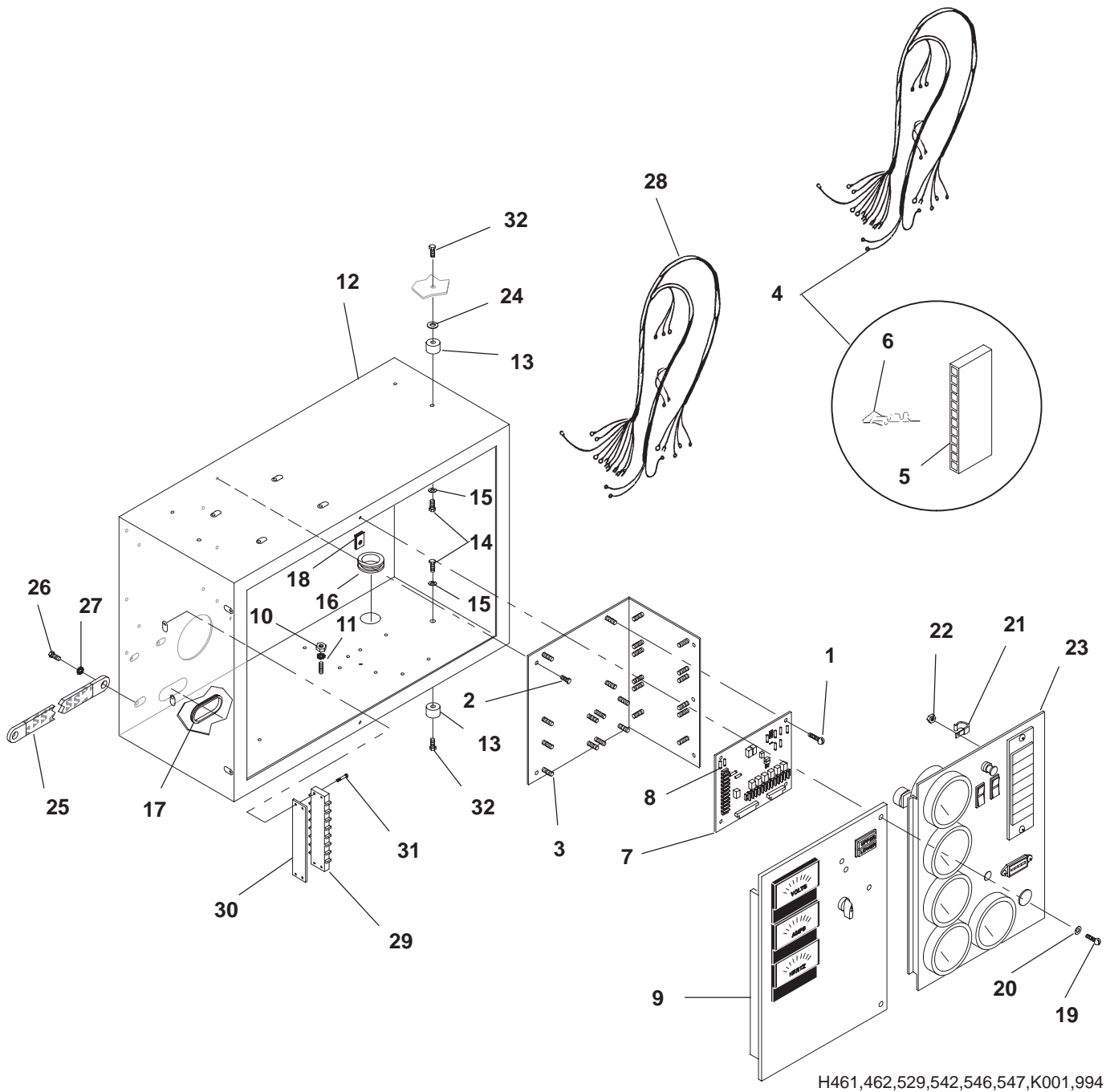
Electronic Overspeed



H529,546,547

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	305-0902-02	1	Board, Printed Circuit – Electronic Overspeed (A16)	4	815-0388	4	Screw, Pan Head – Cross Recessed – Thread Forming (#6-32 x 1/2")
2	319-0754	1	Plate, Mounting	5	812-0082	4	Screw, Machine – Round Head (#8-32 x 3/4")
3	338-2493	1	Harness, Wiring (A16 to A11, AUX) (5 Wire) (44")				

Detector Control

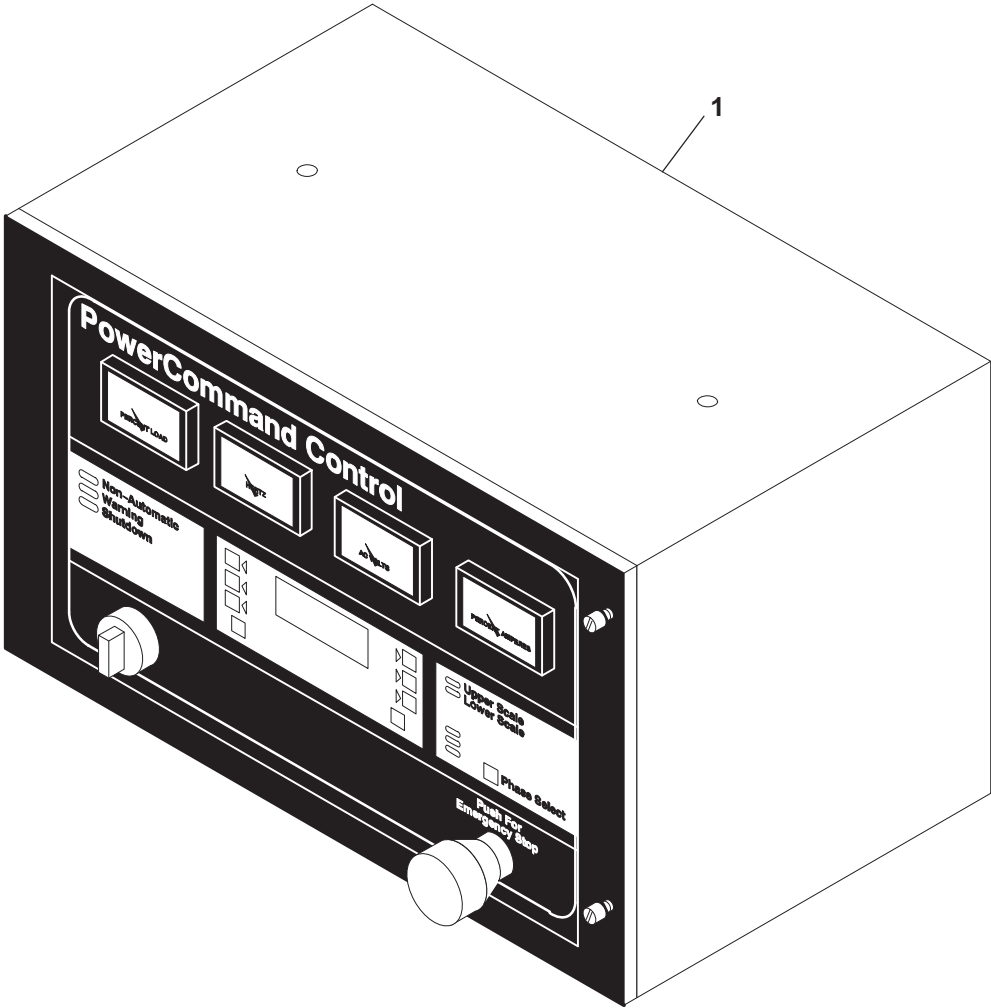


H461,462,529,542,546,547,K001,994

Detector Control

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

PowerCommand Control

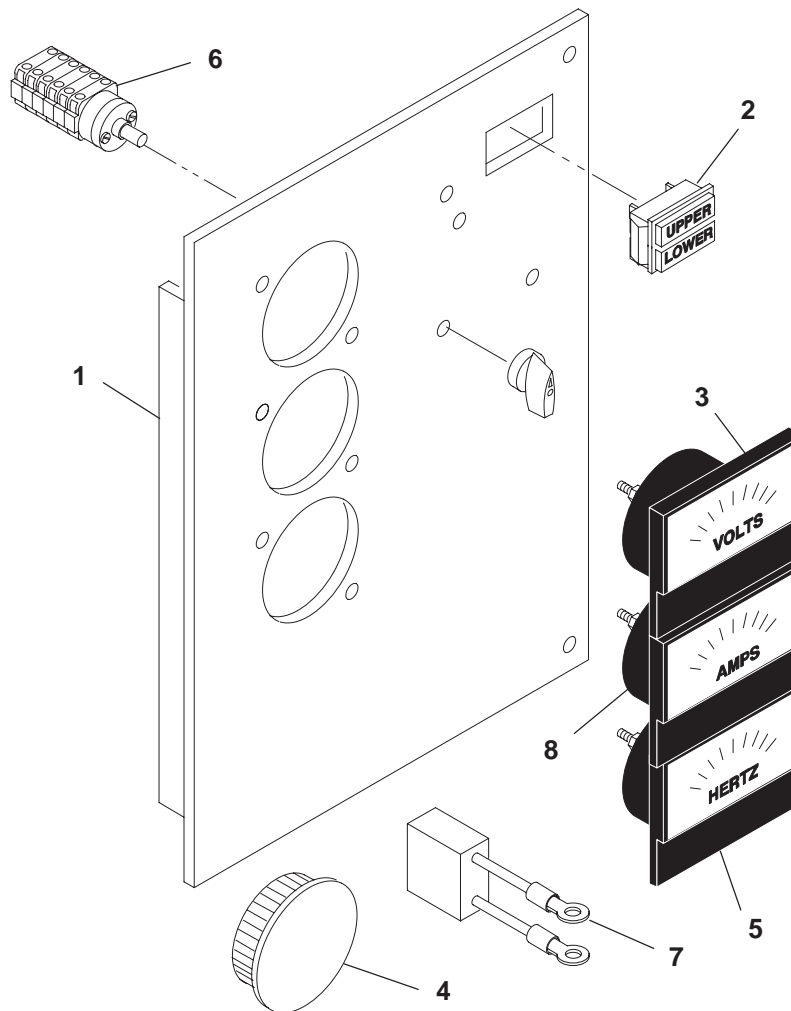


H530,532,555

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

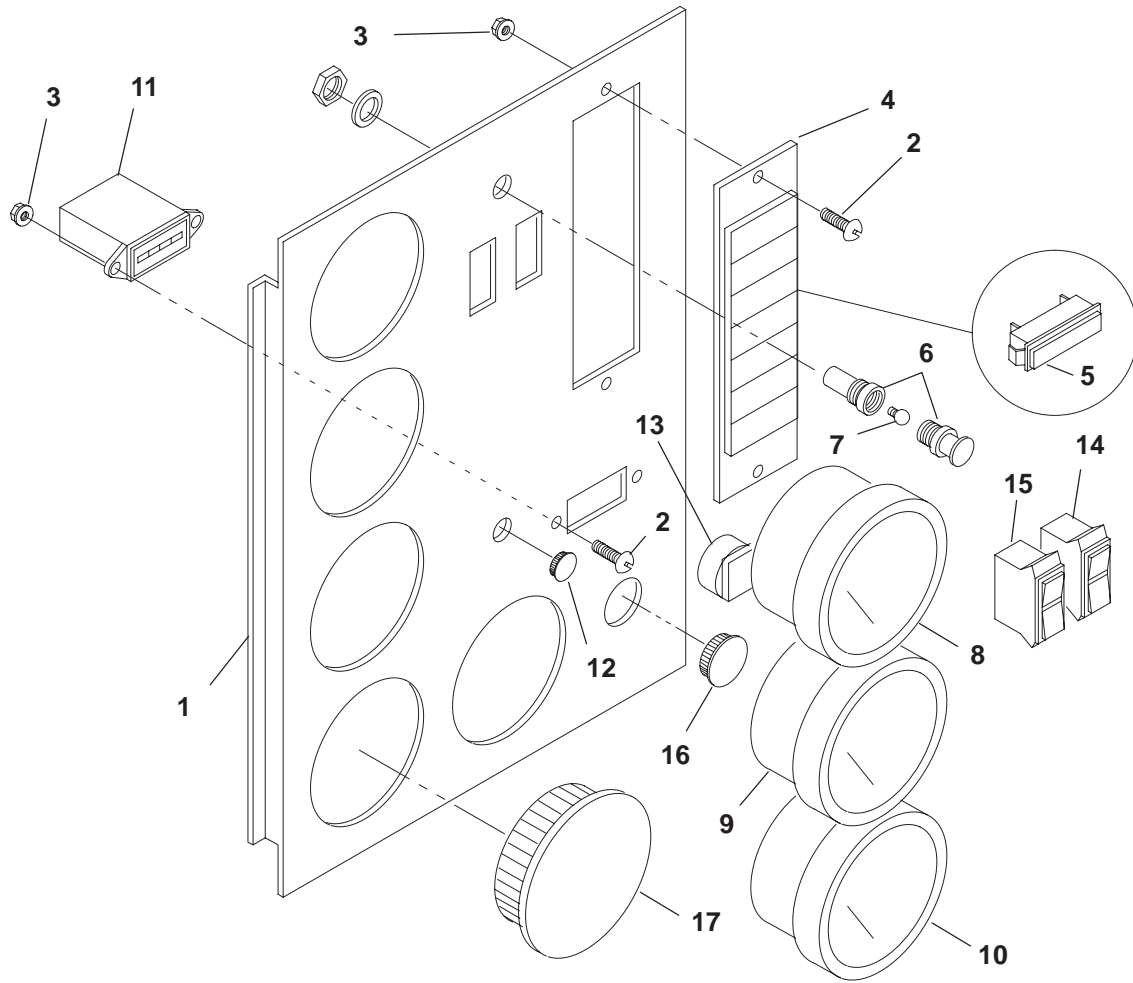
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
Note: For PowerCommand Control Service Replacement Parts, Order PowerCommand Control For Generator Sets Parts Catalog Number 960–0205.			

AC Control Door Assembly Generator Sets With Detector Control



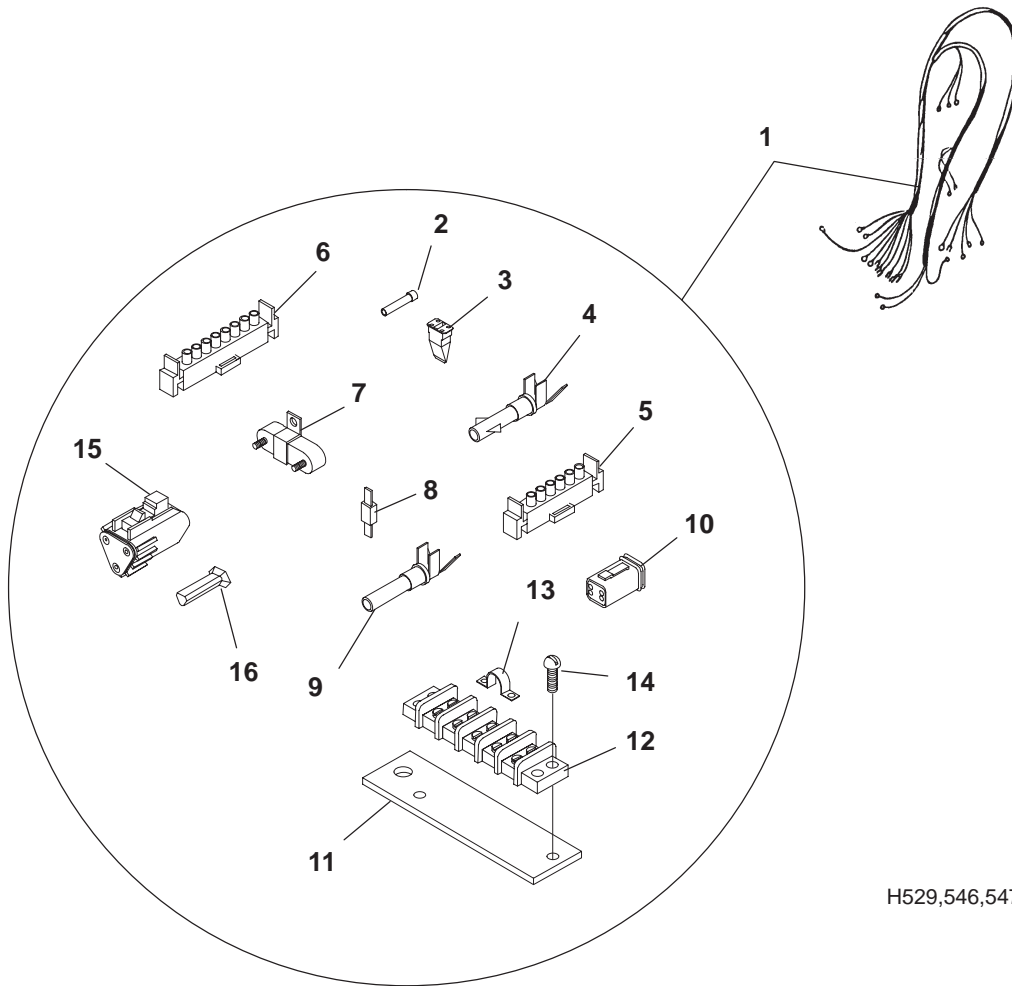
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Door, Control – AC	6	308-1052	1	Switch, Rotary – Voltmeter/ Ammeter (Includes Knob) (S21)
	301-9054-03	1	Without Meter Holes	7	355-0189	1	Capacitor – Voltmeter (.1 Mfd., 500 WVDC) (C21)
	301-9054-02	1	With Three Meter Holes	8			Ammeter (M22)
	301-9054-01	1	With Four Meter Holes		302-1725	1	Scale Reads 0-375/750
	301-9054-04	1	With Six Meter Holes		302-1726	1	Scale Reads 0-400/800
2	322-0363	1	Light, Indicator – Upper/ Lower Scale (DS21, DS22)		302-1727	1	Scale Reads 0-500/1000
3			Voltmeter (M21)		302-1728	1	Scale Reads 0-600/1200
	302-1148	1	Scale Reads 0-300/600		302-1729	1	Scale Reads 0-750/1500
	302-1753	1	Scale Reads 0-750				
4	517-0302	1	Plug, Hole (Fits 2-1/4" Hole)				
5	302-1968	1	Meter, Frequency (M23)				

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	301-9055-02	1	Door, Control – DC	8	193-0466	1	Gauge, Oil Pressure (M11)
	301-9055-01	1	Doors With Three Round Gauge Holes	9	193-0351	1	Gauge, Water Temperature (M12)
2	815-0385	4	Doors With Five Round Gauge Holes	10	302-1642	1	Voltmeter (M13)
3	870-0183	4	Screw, Machine – Round Head (#6-32 x 1/2")	11	302-0885	1	Meter, Time Totalizing (M14)
4			Nut, Hex – W/ET (#6-32)	12	517-0131	1	Plug, Hole (Fits 3/8" Hole)
			Light Assembly, Indicator (Includes Wiring Harness and Connector Housing) (A12)	13	193-0250	2	Resistor (Mounted on Oil Pressure and Water Temperature Gauges) (R12, R13)
	322-0359-02	1	7 Light Assembly	14	308-1010	1	Switch, Rocker – Lamp Test/Reset Panel Lamp – Preheat (S11)
	322-0360-02	1	12 Light Assembly	15	308-1011	1	Switch, Rocker – Run/Stop/Remote (S12)
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	2	Plug, Hole (Fits 2" Hole)
7	322-0017	1	Bulb, Panel Light – Replacement				

Wiring Harness Engine to Control Generator Sets With Detector Control

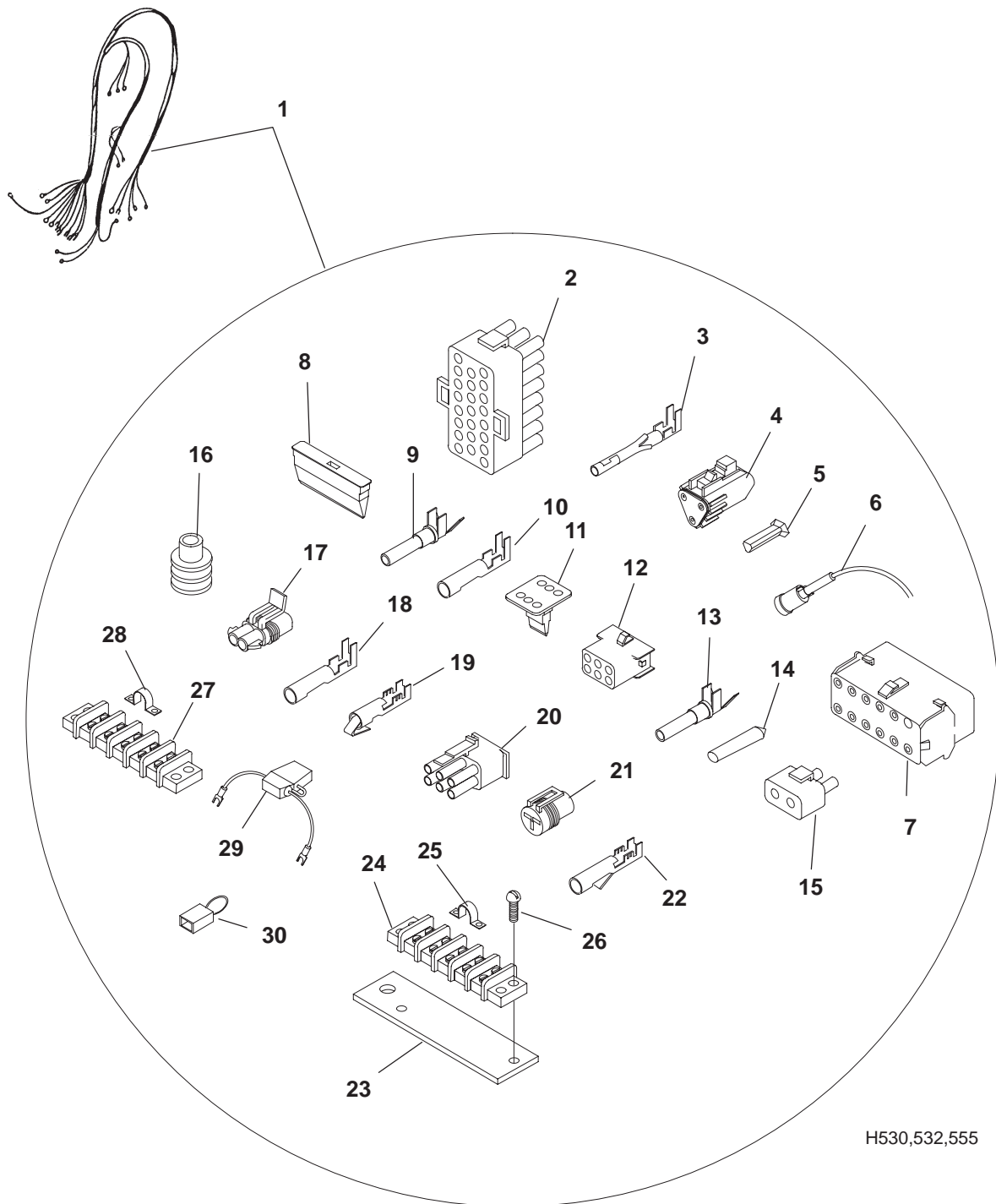


H529,546,547

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Harness, Wiring – Engine To Control – Generator Sets With Detector Control – (Includes Parts Marked *)	10	323-1546	1	*Plug, Connector (4 Place) (E1)
	338-3342	1	DQAA, DQBB	11			Bracket, Mounting – Terminal
	338-3343	1	DQBA, DQBB		319-2006-01	1	* Marked "26" (T26)
2	323-1591	1	*Plug, Seal (Used In E1)		319-2006-02	1	* Marked "GND" (GND-ENG)
3	323-1548	1	*Wedge (Used in E1)	12	332-0604	2	*Block, Terminal (5 Place)
4	323-1200	11	*Socket, Contact (Used In J1, J2)	13	332-1043	8	*Jumper
5	323-1304	1	*Housing, Connector (6 Place) (J2)	14	815-0538	4	*Screw, Machine – Round Head – W/IT (#8-32 x 1/2")
6	323-1306	1	*Housing, Connector (8 Place) (J1)	15	323-1493	1	*Plug, Connector (3 Place) (P3)
7	353-0094-01	1	*Resistor (R1)	16	323-1503	1	*Wedge (Used In P3)
8	357-0030	1	*Rectifier (CR1)				
9	323-1492	6	*Socket, Contact (Used In E1, P3)				

* – Parts Included In 338-3342 and 338-3343 Wiring Harnesses

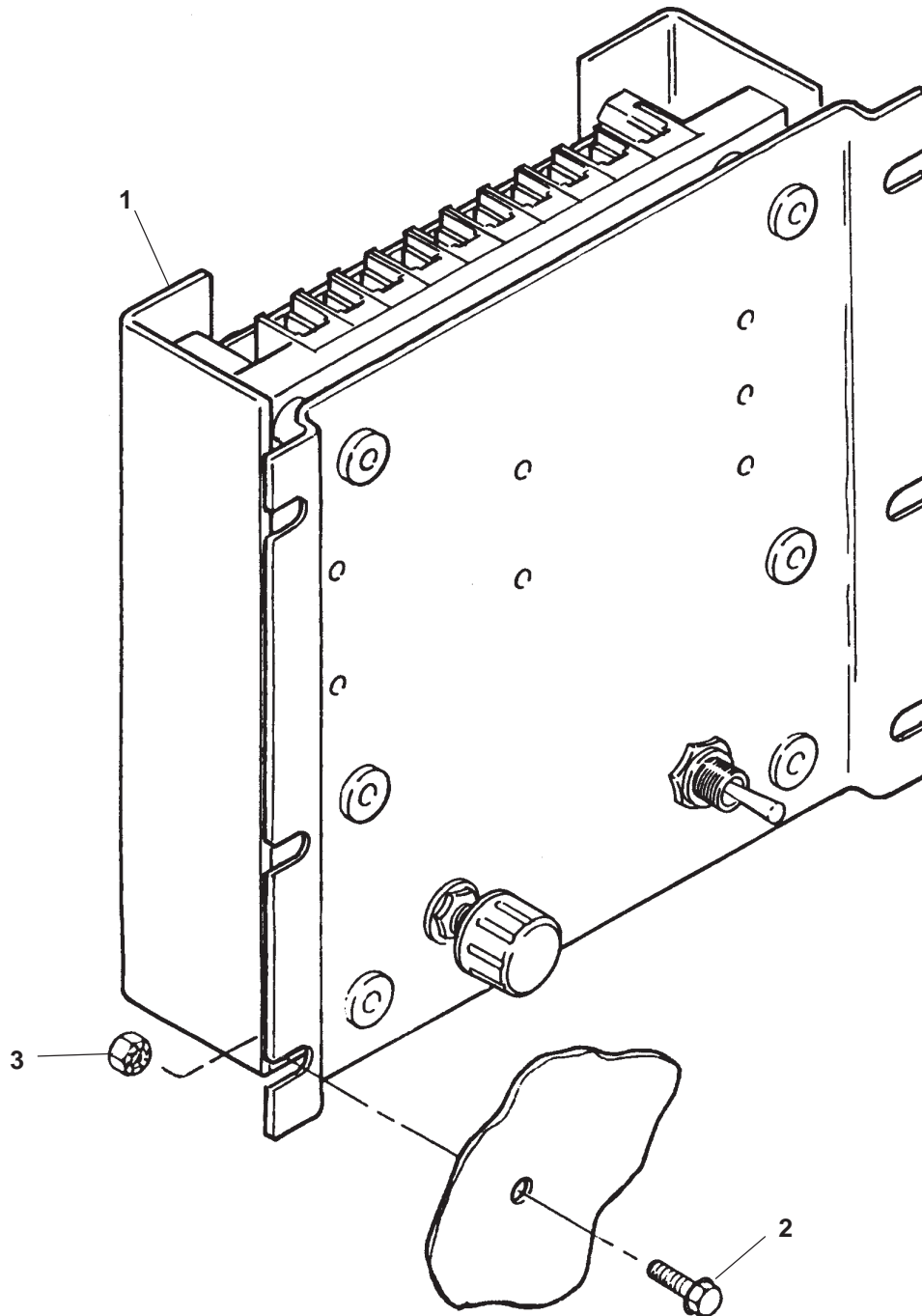
Wiring Harness **Engine to Control** **Generator Sets With PowerCommand Control**



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

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 (Includes Parts Listed Below)	17	323-1540	2	Socket, Connector (2 Place) (E2, E4)
	338-3393	1	DQAA, DQAB	18	323-1444	2	Socket, Contact (Used In E6)
	338-3392	1	DQBA, DQBB	19	332-3096-01	4	Socket, Contact (Used In E2, 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	323-1614-01	50	Socket, Contact (Used In P4, P5, P6)	23			Bracket, Mounting – Terminal Marked "26" (T26)
4	323-1493	1	Plug, Connector (3 Place) (P3)		319-2006-01	1	Marked "GND" (GND-ENG)
5	323-1503	1	Wedge (Used In P3)		319-2006-02	1	Block, Terminal (5 Place)
6	338-2592-01	1	Cable, Magnetic Pickup (84") (Includes Indented Sockets Listed Below) (P1)	24	332-0604	2	Jumper
	323-1614-01	3	Socket, Contact	25	332-1043	8	Screw, Machine – Round Head – W/IT (#8-32 x 1/2")
7	323-1580	1	Housing, Connector (12 Place) (J12)	26	815-0538	4	Block, Terminal (5 Place) (TB-BAT)
8	323-1581	1	Wedge (Used In J12)	27	332-0604	1	Jumper (Used On TB-BAT)
9	323-1491	6	Pin, Contact (Used In J12)	28	332-1043	3	Holder Assembly, Fuse (Used On TB-BAT) (Includes Indented Parts Listed Below)
10	323-1648	5	Socket, Contact (Used In P10)	29	321-0339	1	Holder, Fuse
11	323-1624	1	Wedge (Used In P7)		321-0325	1	Fuse – 20 Amp (Colored Yellow)
12	323-1623	1	Plug, Connector (6 Place) (P7)		321-0307-07	1	Harness Assembly, Jumper (Includes Parts Indented Below) (E6)
13	323-1492	9	Socket, Contact (Used In P3, P7)		323-1652	1	Socket, Connector (2 Place)
14	323-1615	1	Plug (Used On P4, P5, P6) (Quantity Used As Required)		323-1445	2	Seal
15	323-1637	1	Socket, Connector (2 Place) (E6)		323-1718	2	Pin, Contact
16	323-1445	3	Seal (Used On E2, E4, E6)				

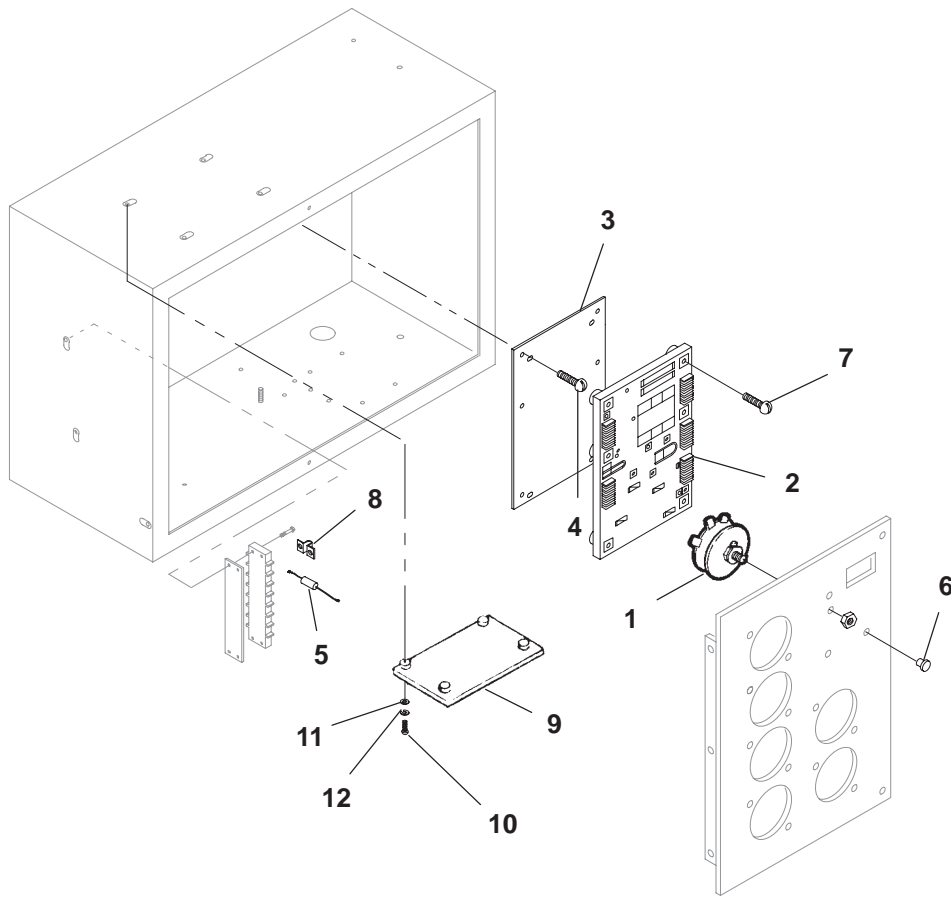
Manual Voltage Regulator



K939

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	305-0817	1	Regulator, Voltage – Manual (VR21)	3	870-0131	4	Nut, Hex – W/ET (#10-32)
2	821-0005	4	Screw, Self-Locking – Hex Washer Head (#10-32 x 1/2")				

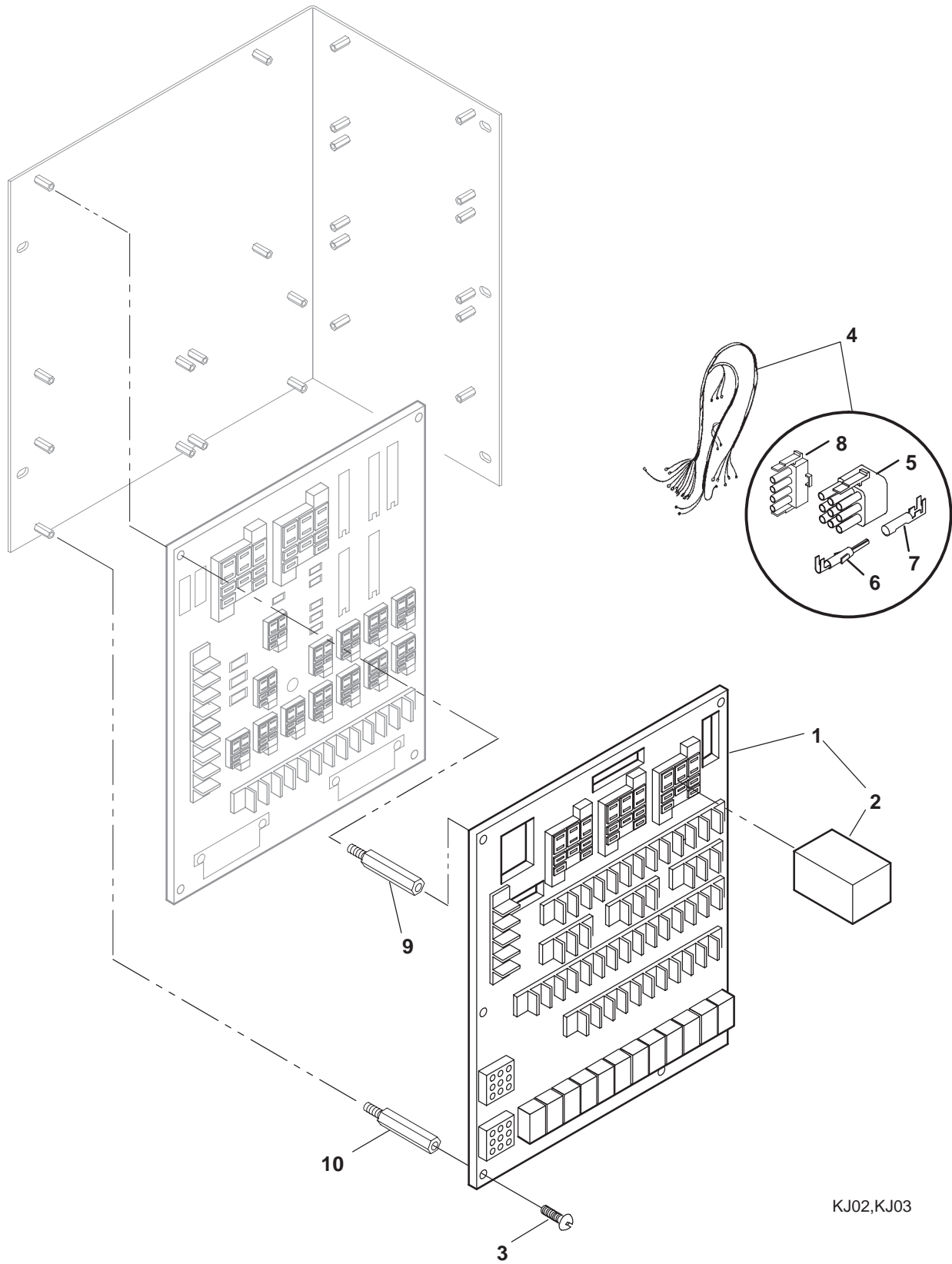
Voltage Regulator Generator Sets With Detector Control



H529,546,547,K001

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	303-0285	1	*Potentiometer – 5K Ohms – Voltage Adjust (R21)	8	332-1043	1	Jumper (Used On TB21)
2	305-0823	1	Board, Printed Circuit – Voltage Regulator (MX321) (VR21)	9	305-0868	1	*Board, Printed Circuit – Isolation Transformer (T30)
3	319-0652	1	Plate, Mounting	10	813-0108	4	*Screw, Machine – Round Head (#10-32 x 1-1/2")
4	815-0544	6	Screw, Machine – Round Head – Cross Recessed W/IT (#6-32 x 1/2")	11	526-0008	4	*Washer, Flat (#10)
5	350-1222	1	Resistor (1.5K Ohms) (Used On TB21)	12	850-0030	4	*Washer, Lock – Spring (#10)
6	517-0131	1	Plug, Hole (Fits 3/8" Hole)	* – Not Used On All Models			
7	812-0084	4	Screw, Machine – Round Head (#8-32 x 1")				

Alarm Relay Board

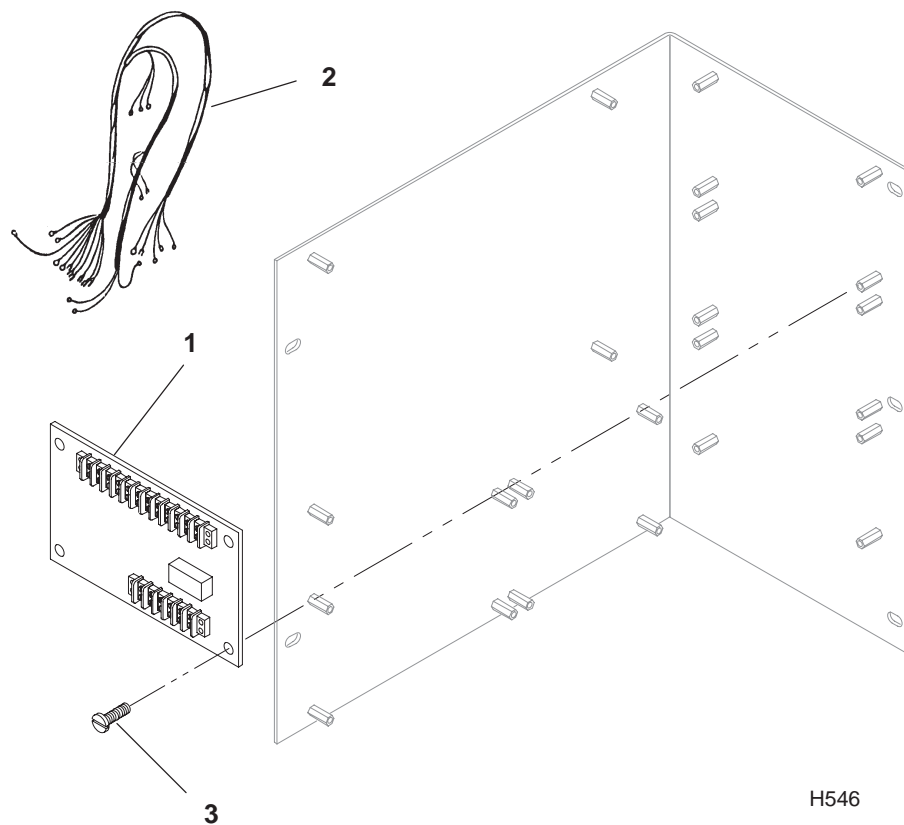


KJ02,KJ03

Alarm Relay Board

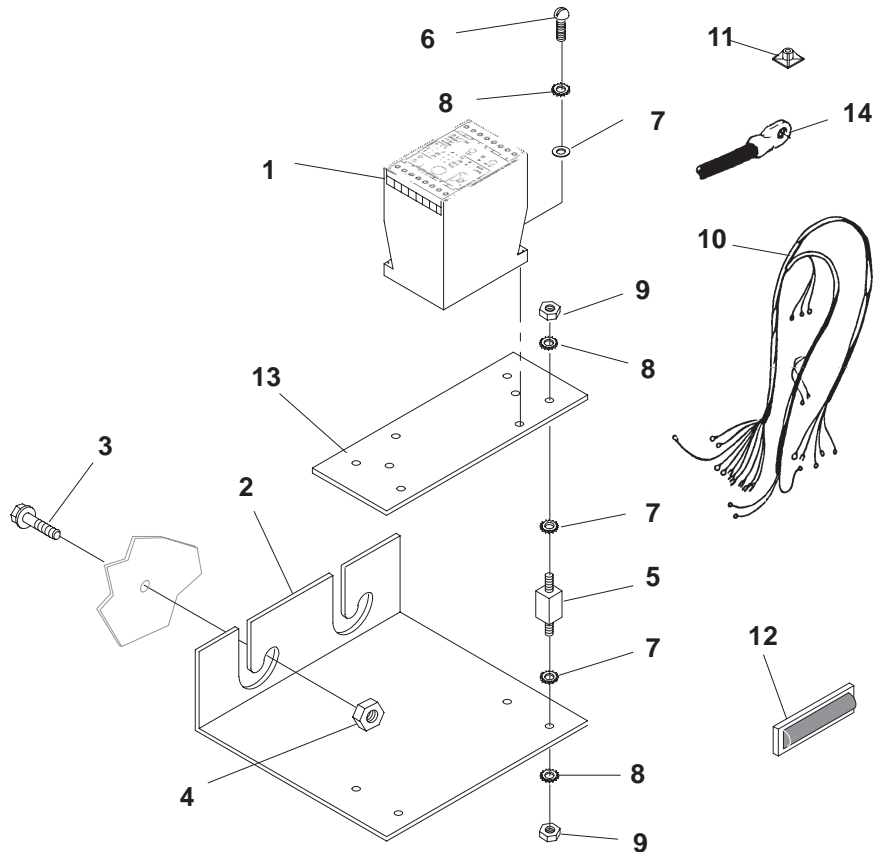
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Board, Printed Circuit – Alarm Relay (Includes Relay)	5	323-1291	2	*Plug – 9 Place (P1,P2)
	300-4111-02	1	Without Form C Relays	6	323-1199	9	*Pin, Contact
	300-4111-04	1	With Form C Relays	7	323-1200	12	*Socket,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

Common Alarm Board Generator Sets With Detector Control



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-4218-02	1	Board, Printed Circuit – Common Alarm (A27)	3	812-0063	4	Screw, Machine – Round Head (#6-32 x 1/2")
2	338-3033	1	Harness, Wiring (12 Wire) (A27 to A11)				

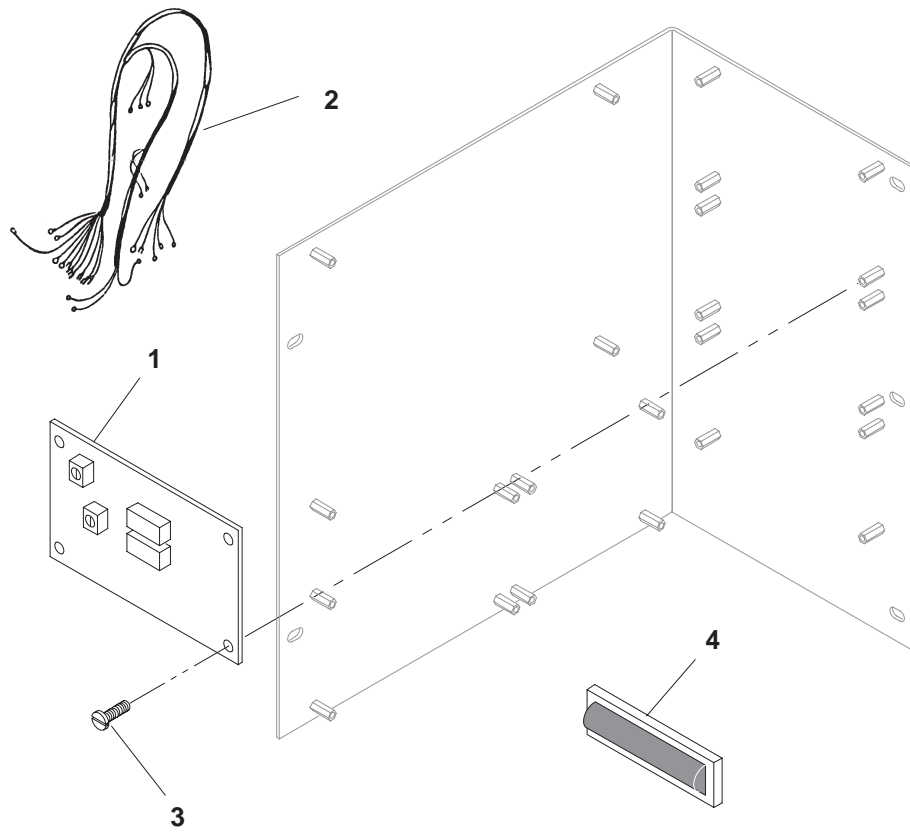
Ground Fault Relay



H550

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	307-2843	1	Relay (GFA)	11	332-2420	2	Mount, Cable Tie
2	301-6987	1	Bracket, Mounting	12	322-0431-09	1	Lens, Indicator Light (Amber Color, Marked "GROUND FAULT")
3	821-0017	2	Screw, Self-Locking – Hex Washer Head (5/16-18 x 1/2")	13	319-0030	1	Plate, Mounting
4	870-0257	2	Nut, Hex – Self-Locking (5/16-18)	14	226-4406-06	2	Cable, Generator (Generator Neutral to Generator Grounding Bolt) (24")
5	402-0354	4	Mount, Shock				
6	812-0081	2	Screw, Machine – Round Head (#8-32 x 5/8")				
7	526-0003	10	Washer, Flat (#8)				
8	856-0002	10	Washer, Lock – EIT (#8)				
9	860-0008	8	Nut, Hex (#8-32)				
10			Harness, Wiring				
	338-3234	1	Generator Sets With Detector Control (GFA to A11, GND, NEUTRAL and CONT GRD) (5 Wire, 78")				
	338-3232	1	Generator Sets With PowerCommand Control (GFA to TB1, GEN NEUTRAL and GND) (5 Wire, 100")				

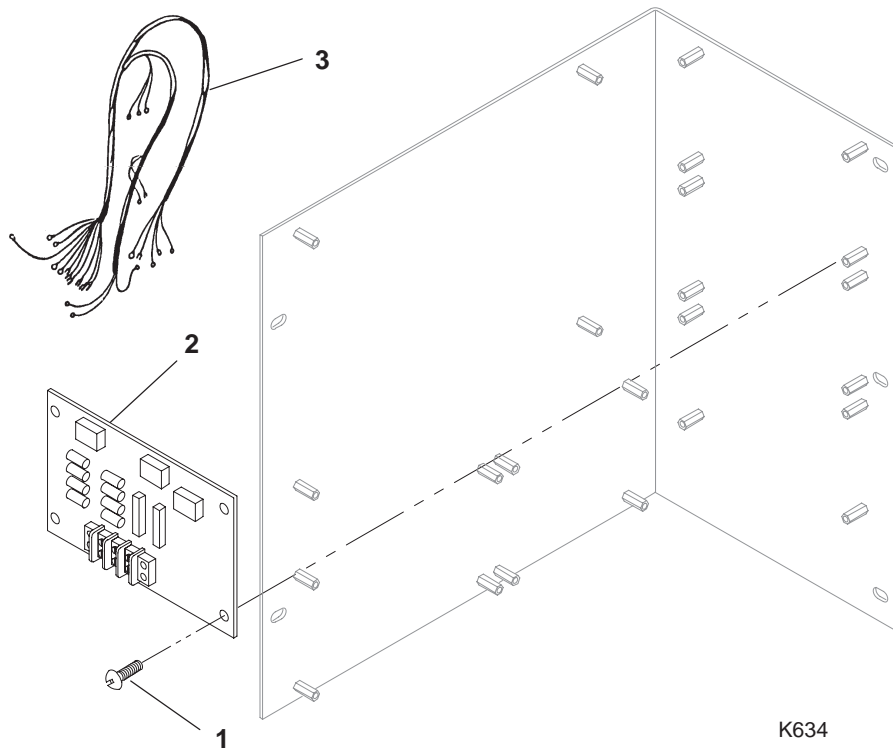
Over/Under Voltage Relay



K881

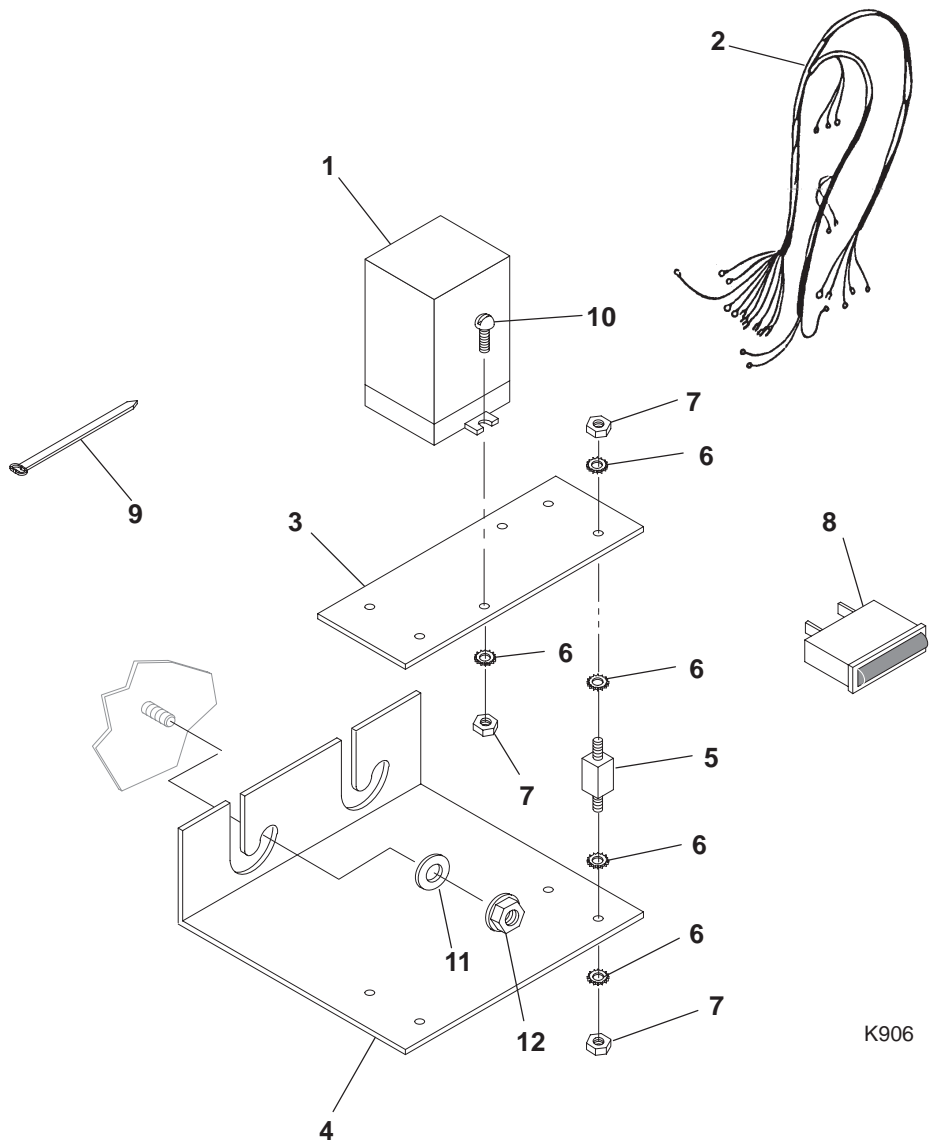
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	307-2868	1	Board, Printed Circuit – Over/Under Voltage Relay (A17)	3	815-0388	4	Screw, Pan Head – Cross Recessed (#6-32 x 1/2")
2	338-3366	1	Harness, Wiring (6 Wire) (30")	4	322-0431-03	1	Lens, Indicator Light (Marked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

Time Delay Start/Stop



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

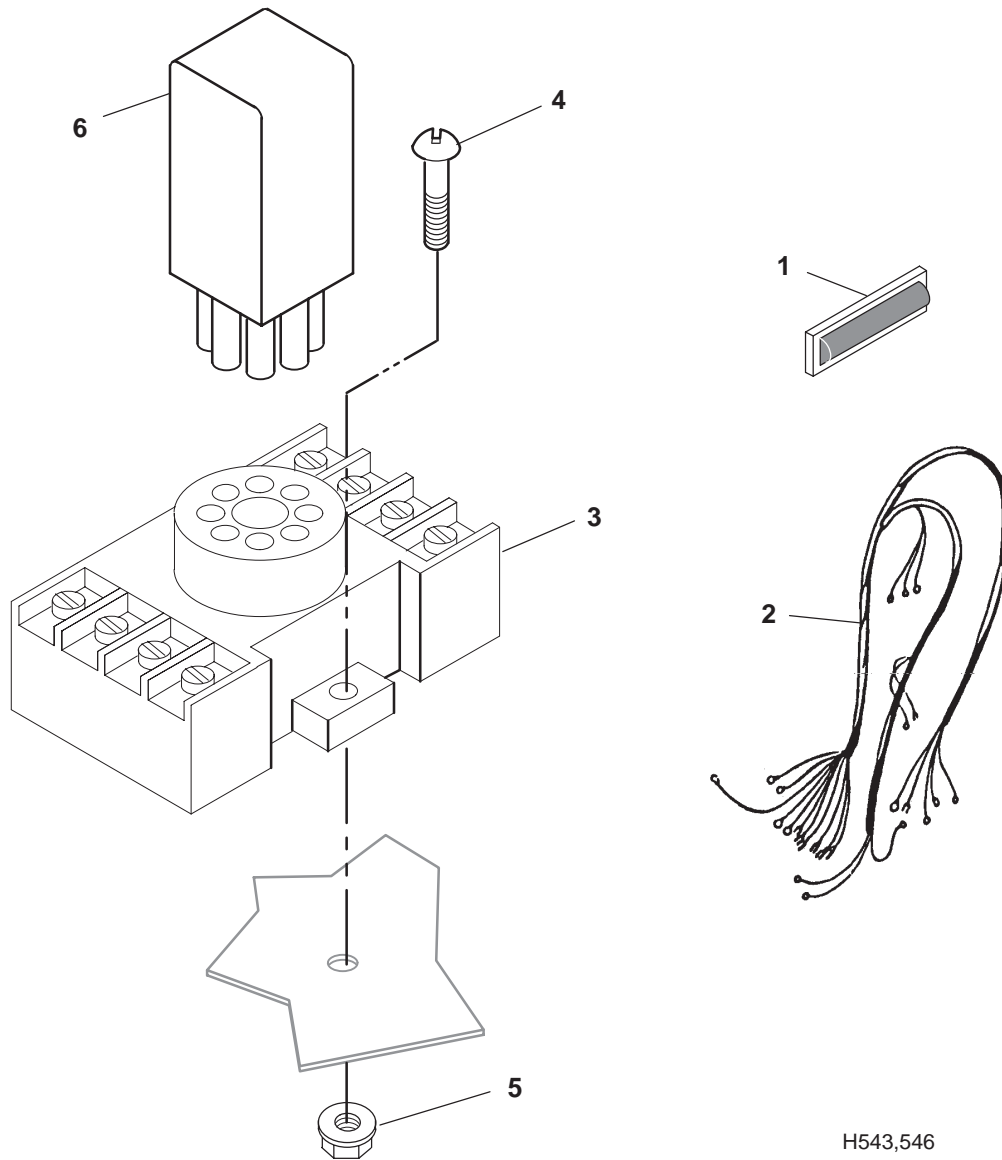
Over/Under Frequency Relay



K906

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	307-2709	1	Relay, Frequency – Over/Under (A18)	8	322-0431-04	1	Lens, Replacement – Marked “O/U HZ” (DS20)
2	338-2347	1	Harness, Wiring – Over/Under Frequency	9	332-0942	1	Tie, Cable (Quantity Used As Required)
3	301-9941	1	Plate, Relay Mounting	10	812-0082	2	Screw, Machine – Round Head (#8-32 x 3/4”)
4	301-6987	1	Bracket, Mounting	11	526-0115	2	Washer, Flat (5/16”)
5	402-0354	4	Mount, Shock	12	870-0048	2	Nut, Hex – Self-Locking (5/16-18)
6	856-0002	18	Washer, Lock – W/EIT (#8)				
7	860-0008	10	Nut, Hex (#8-32)				

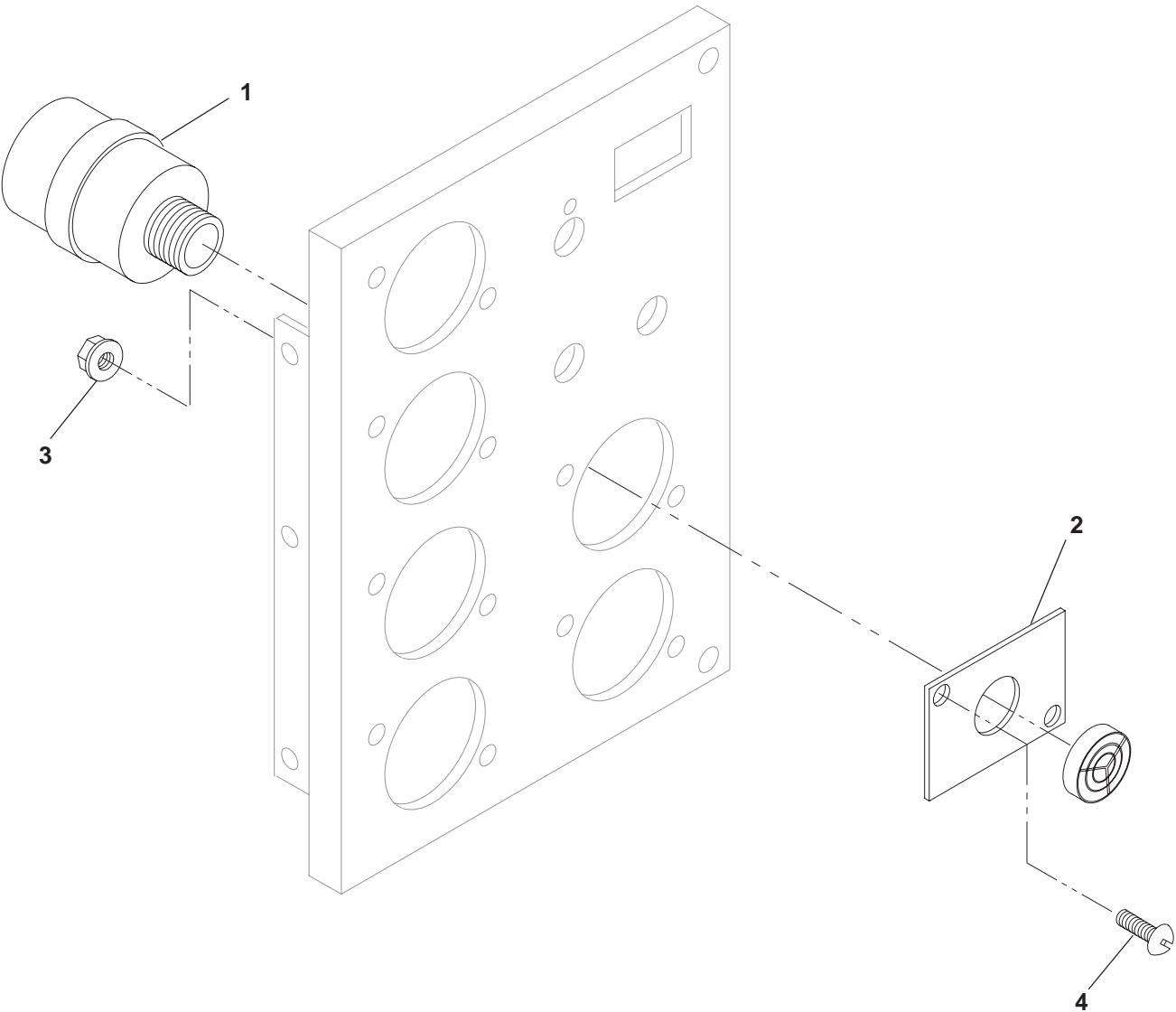
Low Battery Voltage Sensor



H543,546

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")				

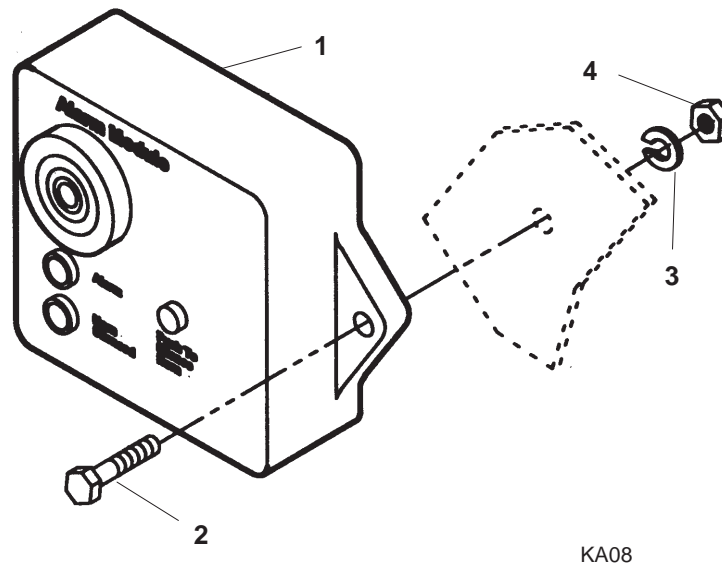
**Audible Alarm
Generator Sets With Detector Control**



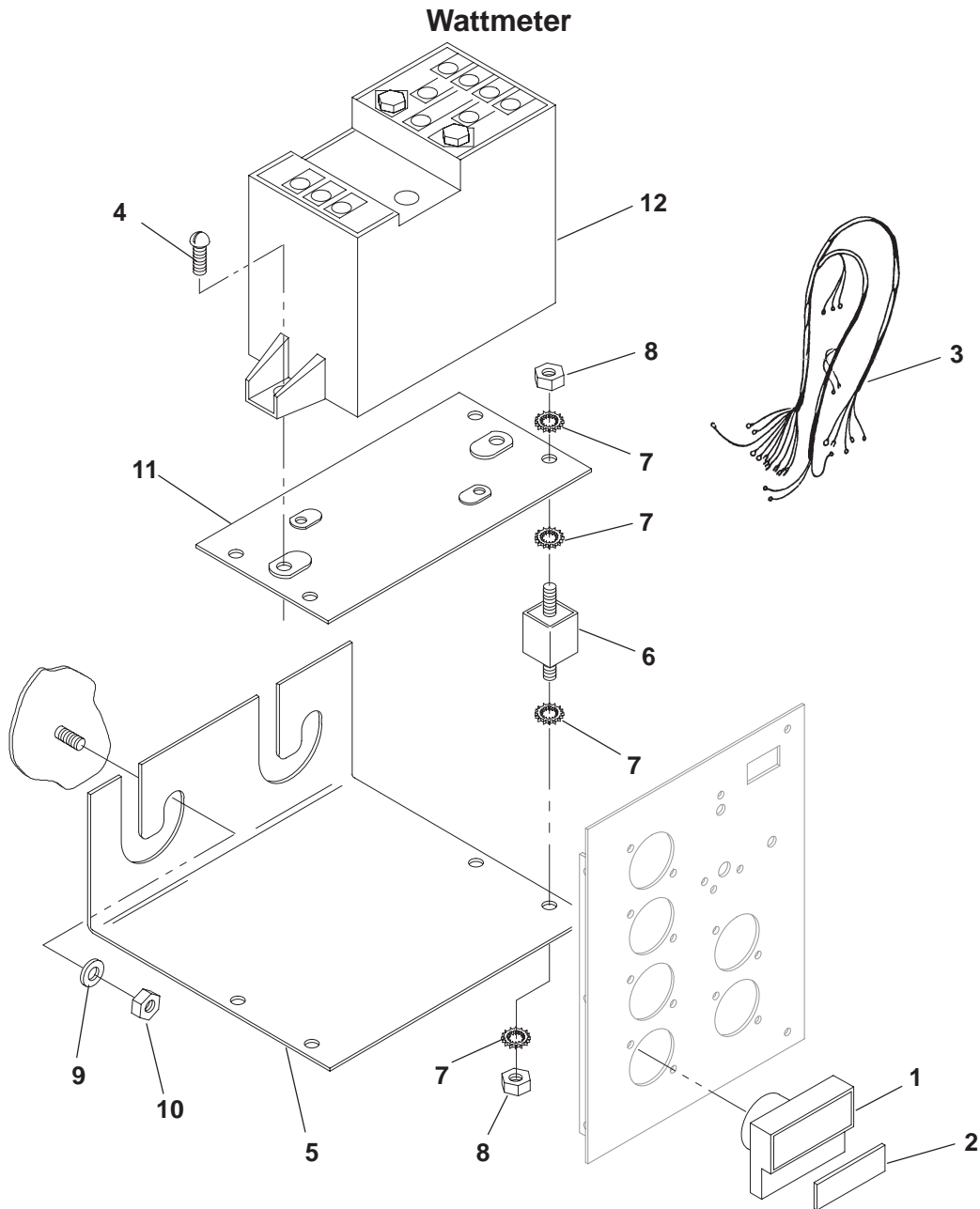
KA08

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

Audible Alarm Module **Generator Sets With PowerCommand Control**



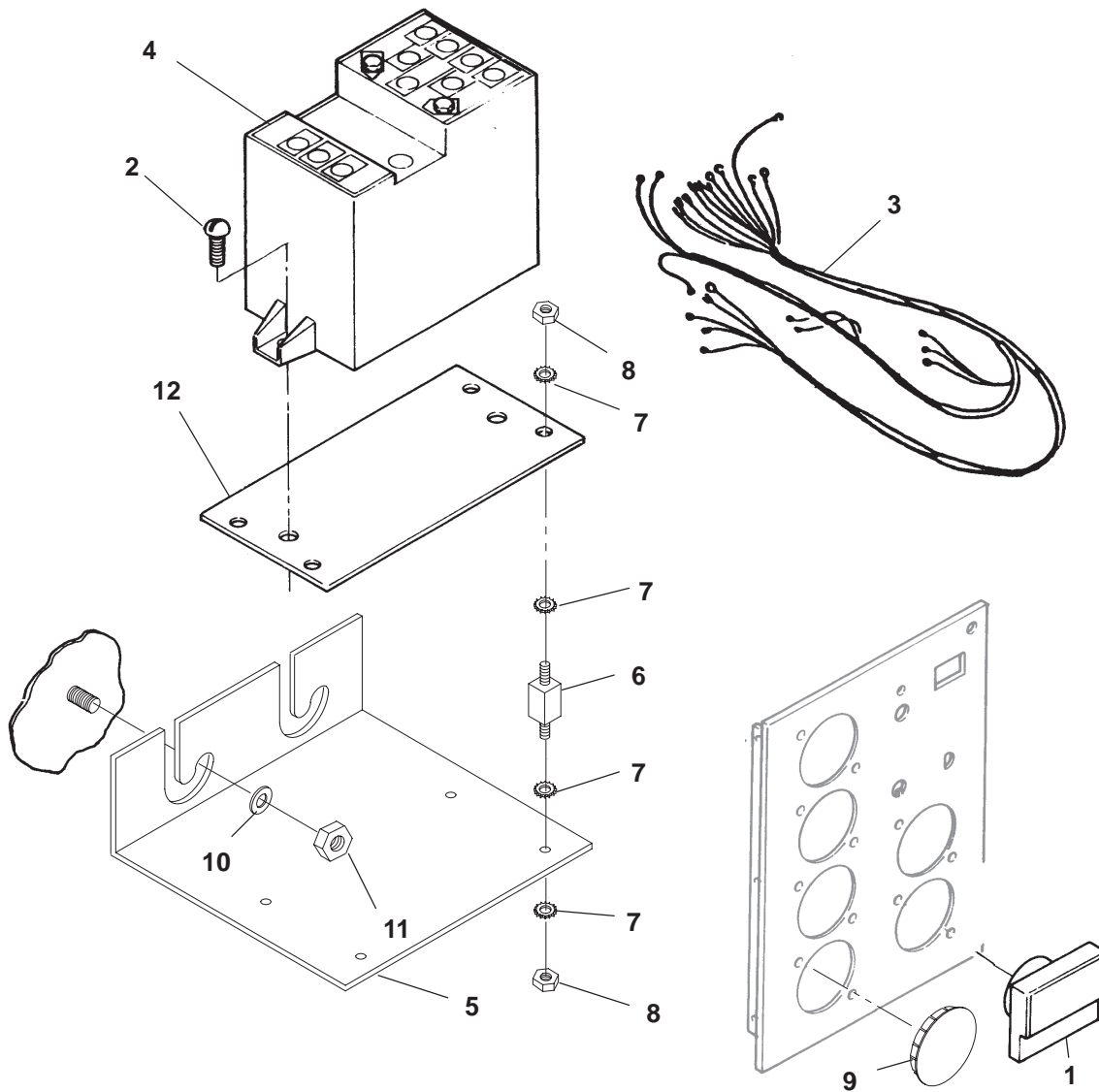
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-3998-01	1	Module, Audible Alarm (DS2)	3	850-0040	2	Washer, Lock – Spring (1/4")
2	800-0006	2	Screw, Cap – Hex Head (1/4-20 x 7/8")	4	862-0001	2	Nut, Hex (1/4")



K185

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	302-1722	1	Wattmeter (Dial Not Included) (M24)	5	301-6987	1	Bracket, Mounting
2			Dial, Wattmeter	6	402-0354	4	Mount, Shock
	302-1721-09	1	0-250 kW Rating	7	856-0002	16	Washer, Lock – W/ET (#8)
	302-1721-10	1	0-300 kW Rating	8	860-0008	8	Nut, Hex (#8-32)
	302-1721-11	1	0-350 kW Rating	9	526-0115	2	Washer, Flat (5/16")
	302-1721-12	1	0-400 kW Rating	10	870-0048	2	Nut, Locking (5/16-18)
3			Harness, Wiring – Wattmeter	11	319-0030	1	Plate, Mounting
	338-1936	1	Reconnectable WYE, Three Phase	12			Transducer, Watts (A21)
	338-2479	1	120/240 Volt Delta, Three Phase		302-1833-01	1	2-1/2 Element, Three Phase, 4 Wire
4	813-0102	2	Screw, Machine – Round Head (#10-32 x 5/8")		302-1833-05	1	2 Element, Three Phase, 3 Wire

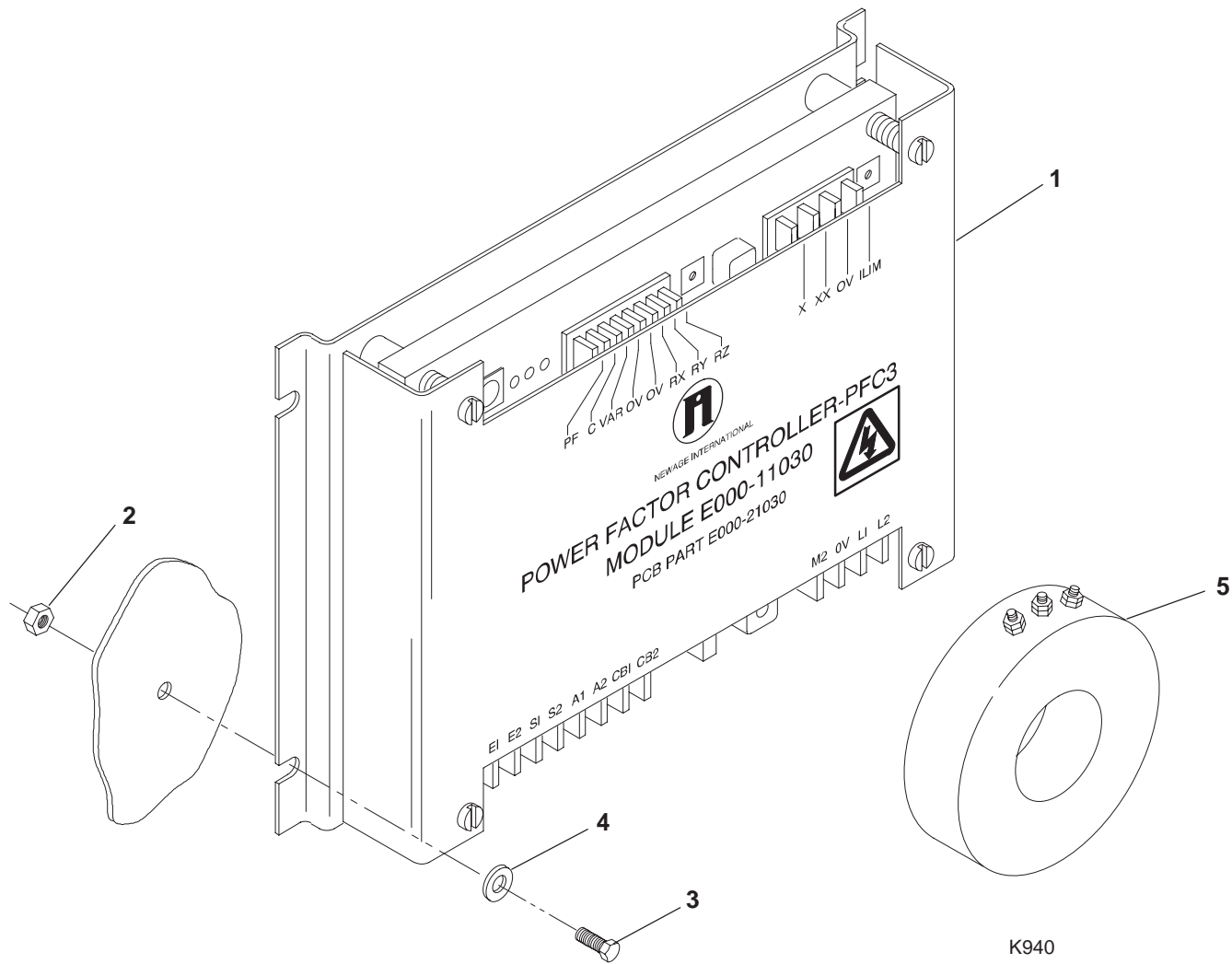
Power Factor Meter



K264

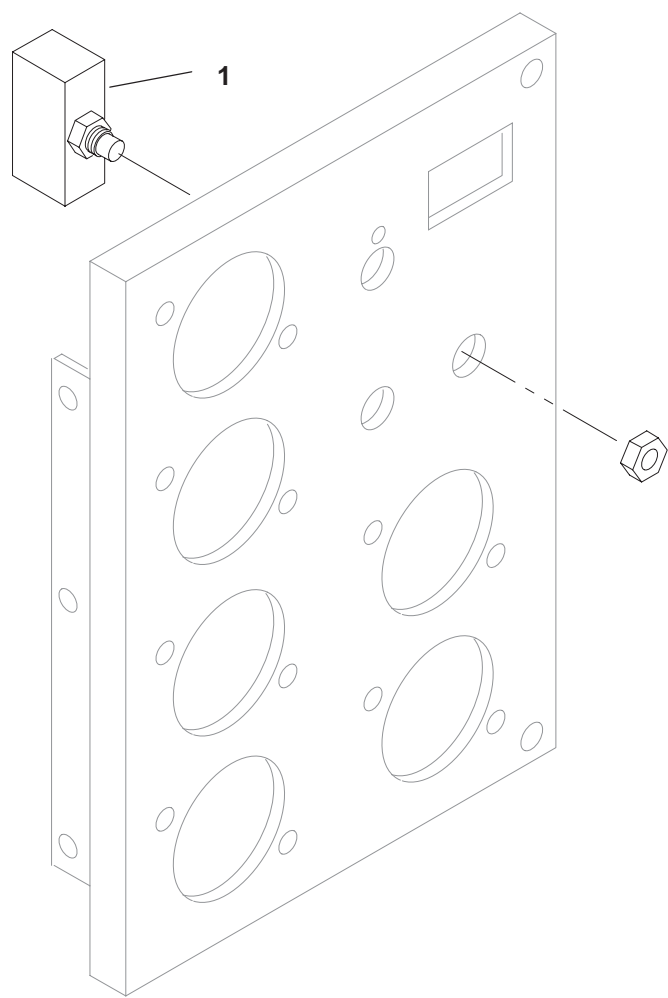
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	302-1883	1	Meter, Power Factor (M25)	6	402-0354	4	Mount, Shock
2	813-0102	2	Screw, Machine – Round Head (#10-32 x 5/8")	7	856-0002	16	Washer, Lock – W/ET (#8)
3	338-2368	1	Harness, Wiring – Meter (6 Wire, 44")	8	860-0008	8	Nut, Hex (#8-32)
4	302-1833-03	1	Transducer, Power Factor (A21)	9	517-0301	1	Plug, Hole
5	301-6987	1	Bracket, Mounting	10	526-0115	2	Washer, Flat (5/16")
				11	870-0048	2	Nut, Locking (5/16-18)
				12	319-0030	1	Plate, Mounting

VAR Power Factor Controller



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	305-0870	1	Controller, Power Factor (VAR)	5			Transformer, Current (CT25)
2	870-0131	4	Nut, Hex – W/EIT (#10-32)	302-1845-05	1		Ratio 300/5
3	813-0103	4	Screw, Machine – Round Head (#10-32 x 3/4")	302-1845-07	1		Ratio 500/5
4	526-0008	4	Washer, Flat (#10)	302-1845-08	1		Ratio 750/5
				302-1845-10	1		Ratio 1000/5
				302-1794-11	1		Ratio 1500/5

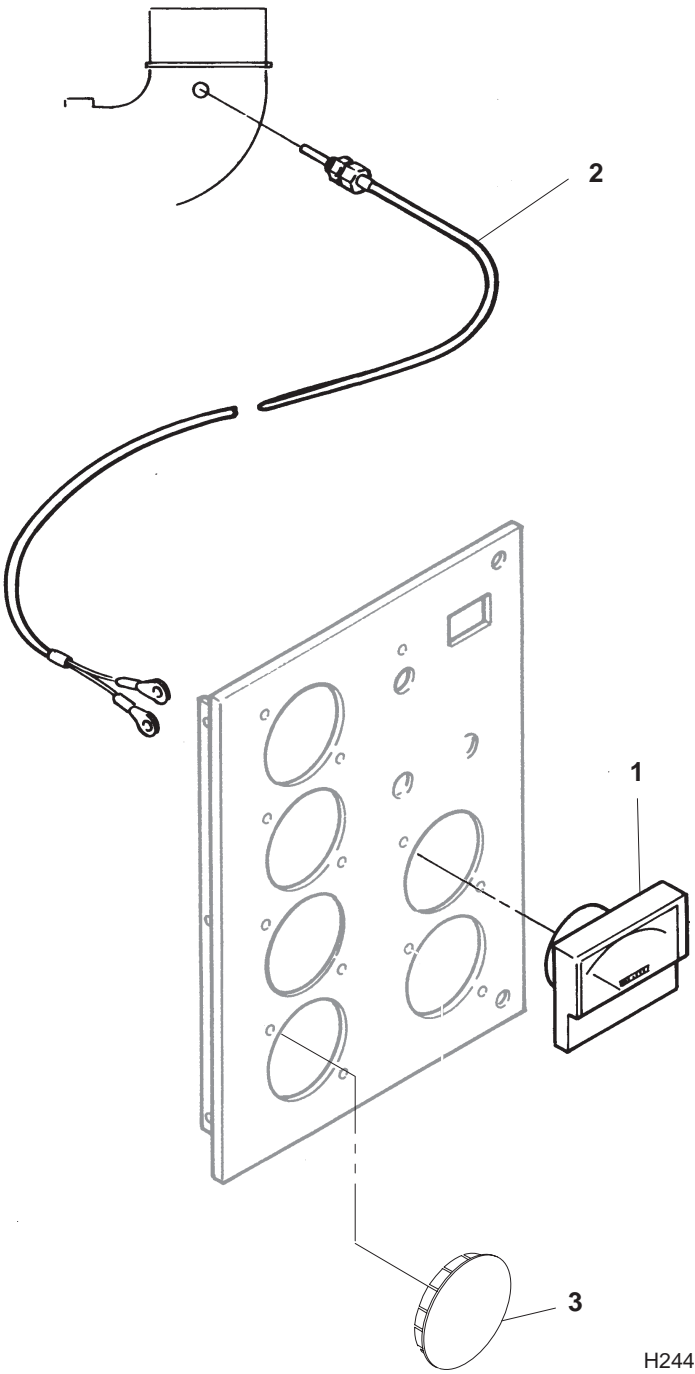
Circuit Breaker AC Control Door



H529,546,547,K600

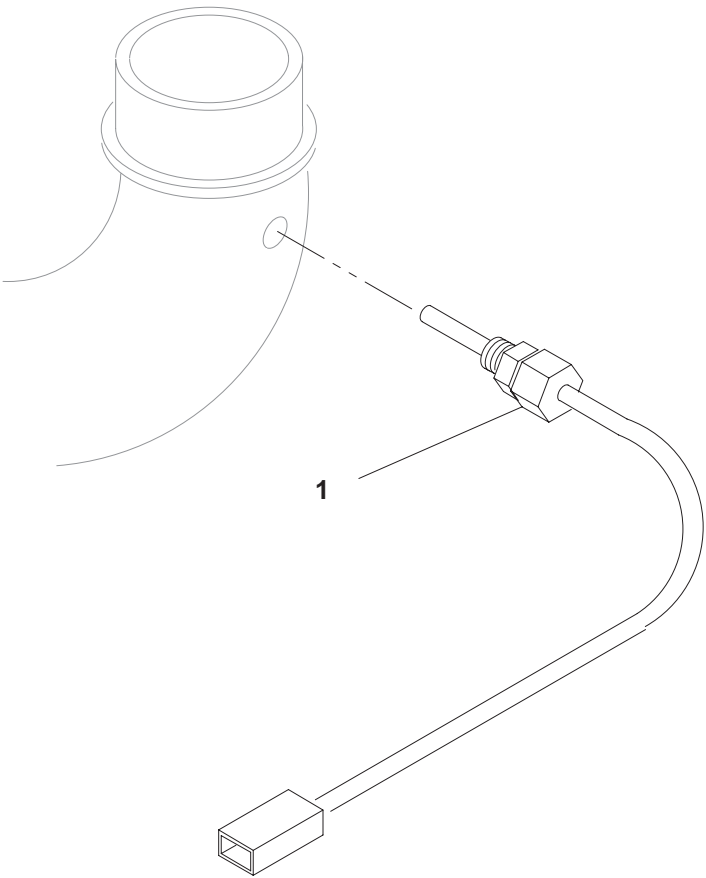
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Breaker, Circuit (CB21)				
	320-1688-01	1	Without Auxiliary Contacts				
	320-1688-02	1	With Auxiliary Contacts				

Pyrometer Generator Sets With Detector Control



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	302-1874	1	Pyrometer (M26)	3	517-0301	1	Plug, Hole
2	193-0299	1	Lead, Thermocouple				

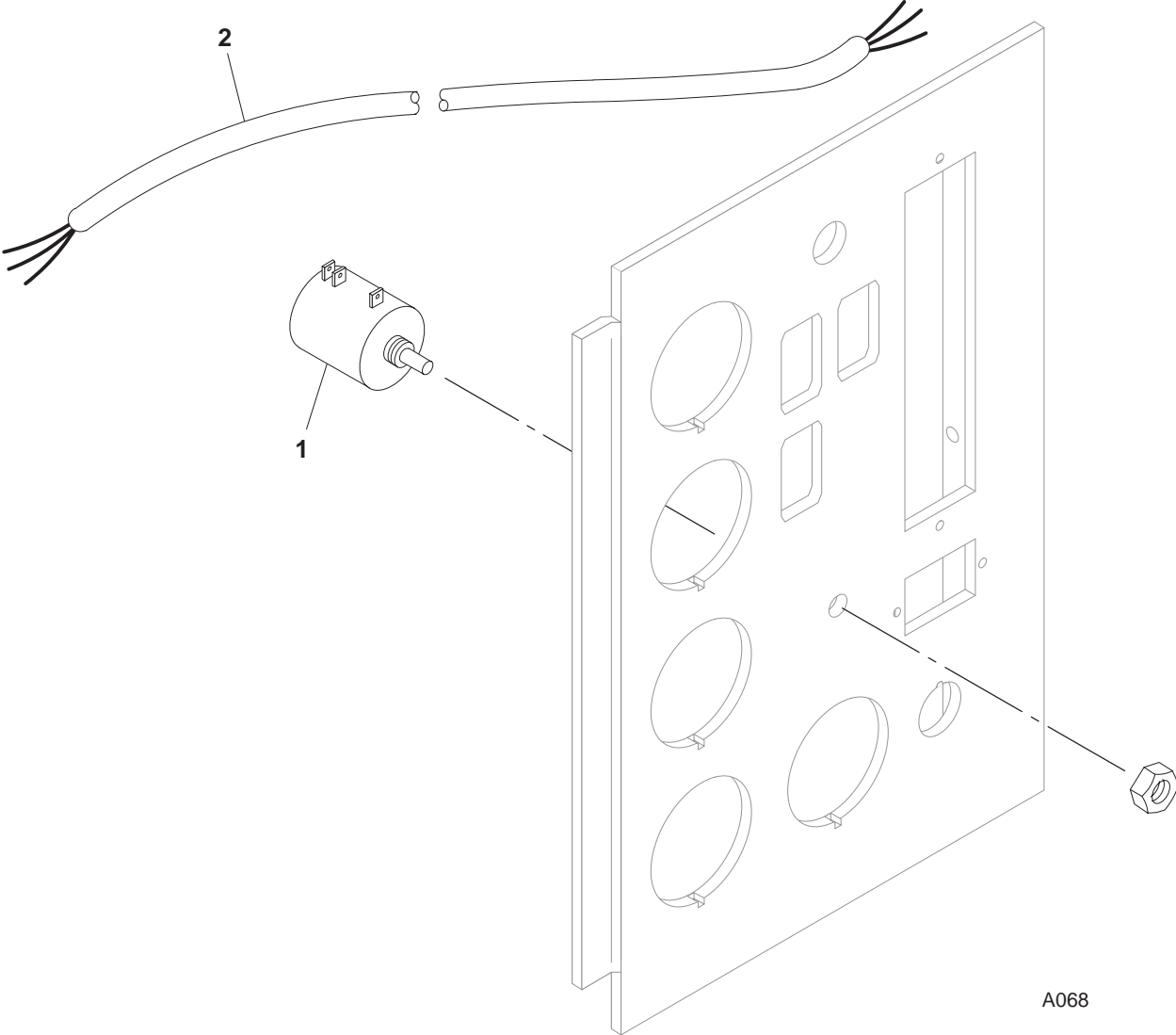
Pyrometer
Generator Sets With PowerCommand Control



H244

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	193-0446-01	1	Pyrometer (17") (M26)				

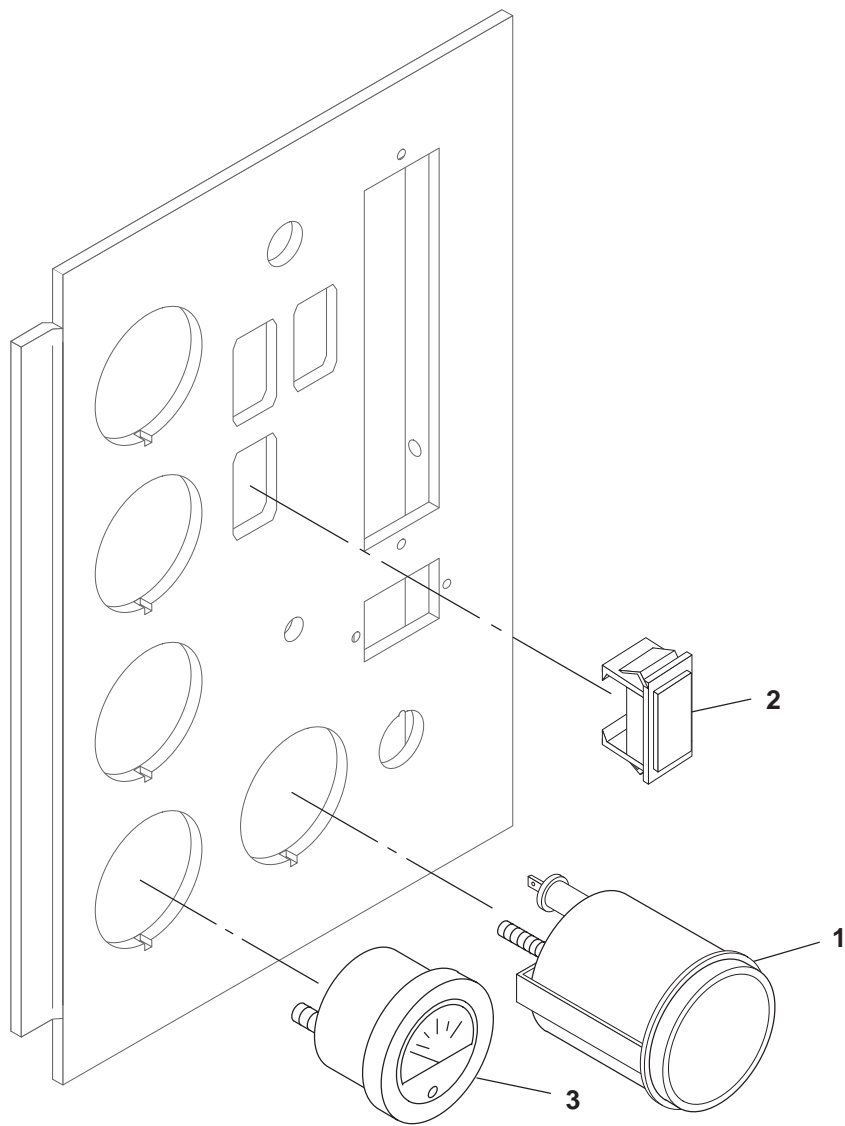
Potentiometer
Speed Adjusting



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	303-0280	1	Potentiometer, Speed Adjusting – Governor Controller (R21)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
2	334-0116	–	Cable, Shielded – Bulk (Order by the Foot – 7 Feet Required)

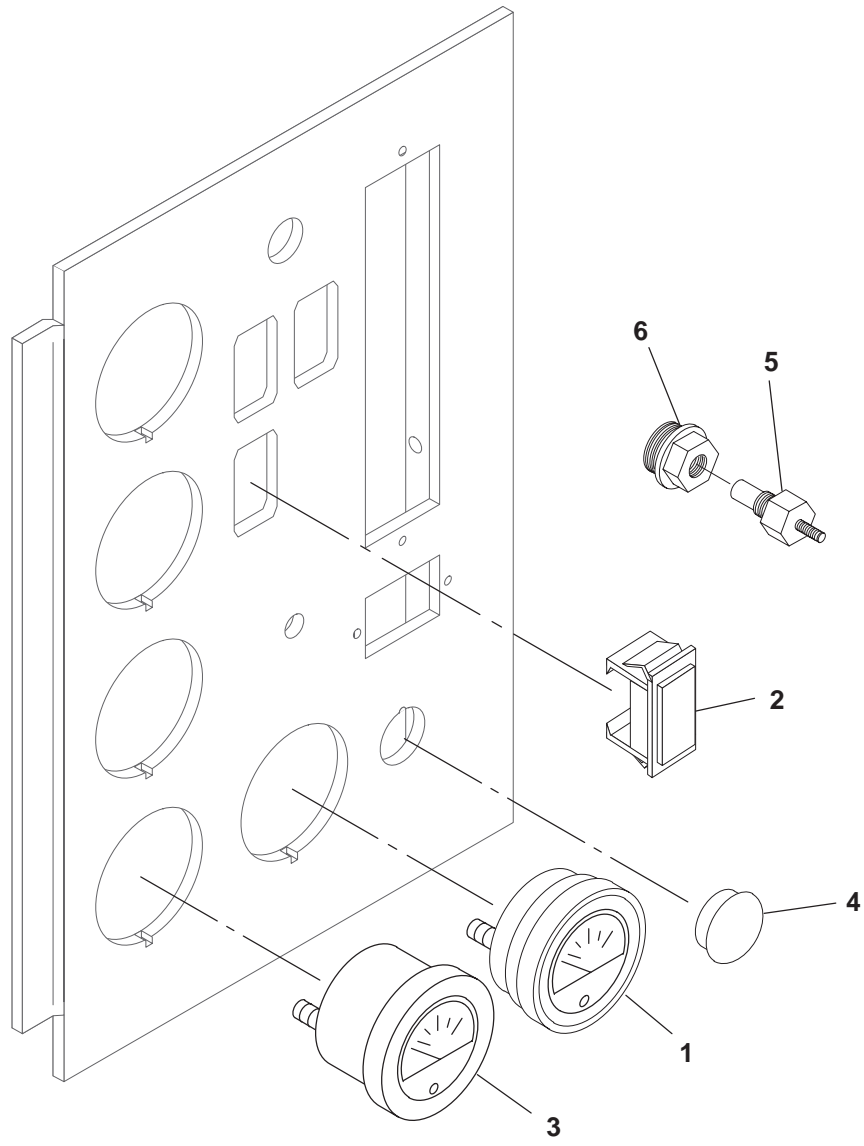
Tachometer



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

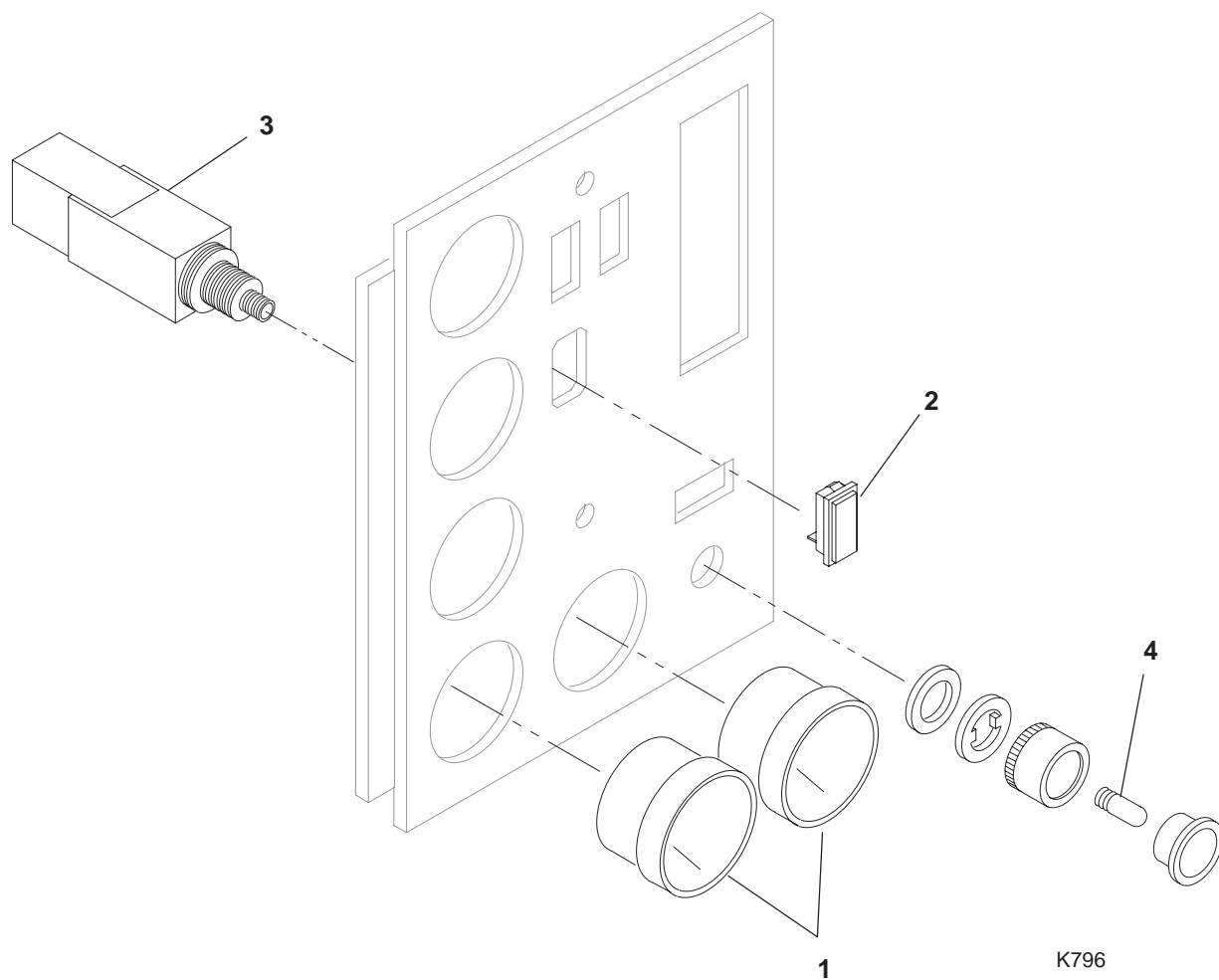
Oil Temperature Gauge



K486

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	302-1723	1	Ammeter – Blank Scale	5	193-0388	1	Sender, Oil Temperature (E4) (Oil Pan Mounted)
2	301-6257	1	Switch – Blank	6	505-0151	1	Bushing, Reducer (1/2" to 1/8") (Oil Pan Mounted)
3	193-0435	1	Gauge, Oil Temperature (M15)				
4	517-0137	1	Plug, Hole (7/8" Hole)				

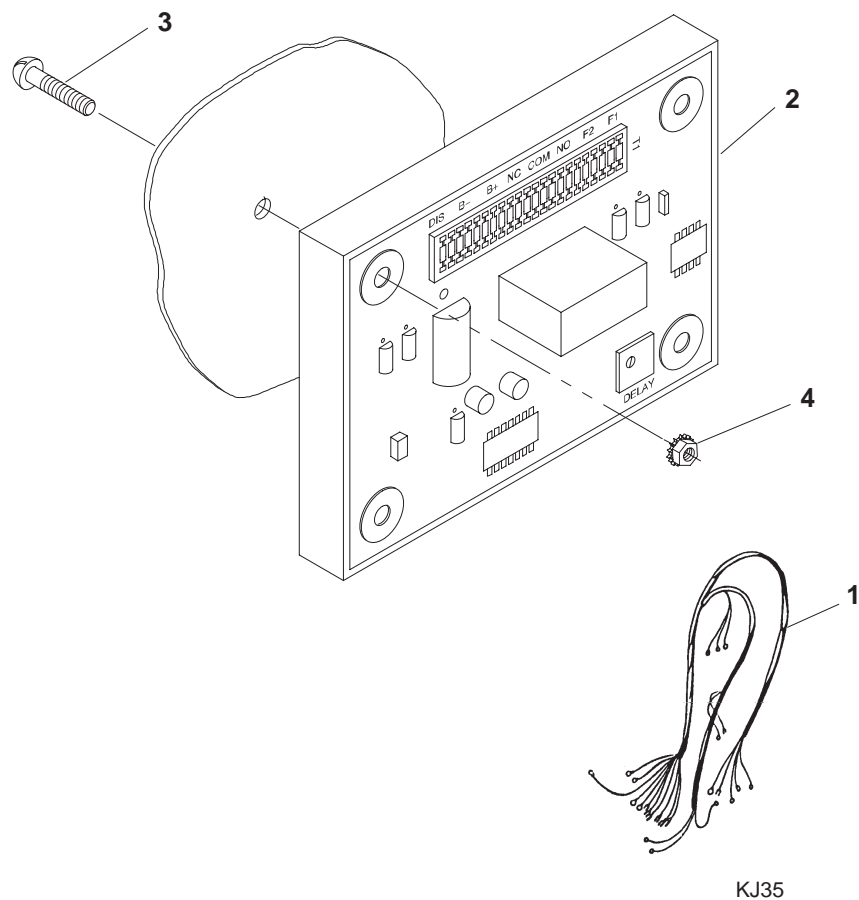
Emergency Stop Switch Generator Sets With Detector Control



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

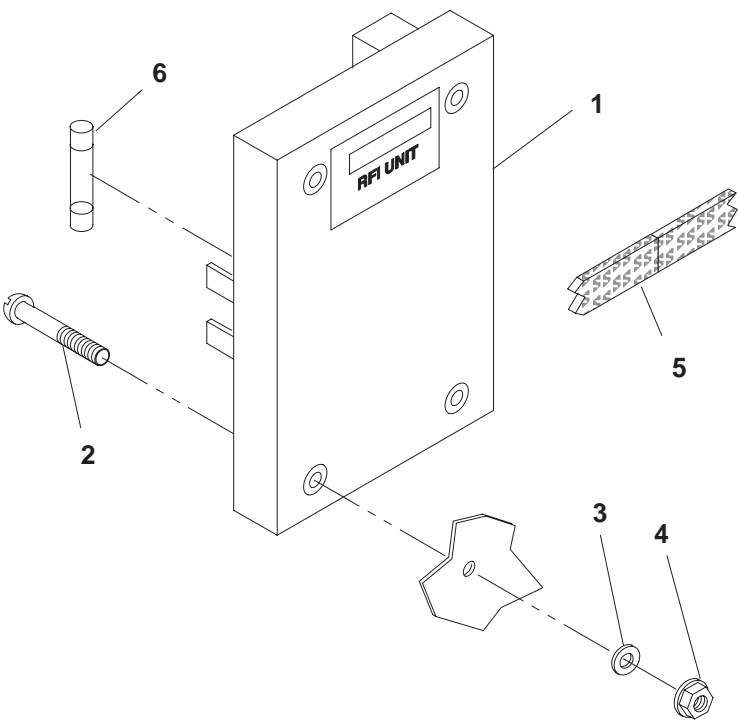
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	322-0394	1	Bulb, Replacement

Excitation Loss Module



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-2455	1	Harness, Wiring	4	870-0131	4	Nut, Hex – W/ET (#10-32)
2	305-0821-02	1	Module (ELM)				
3	813-0103	4	Screw, Machine – Round Head (#10-32 x 3/4")				

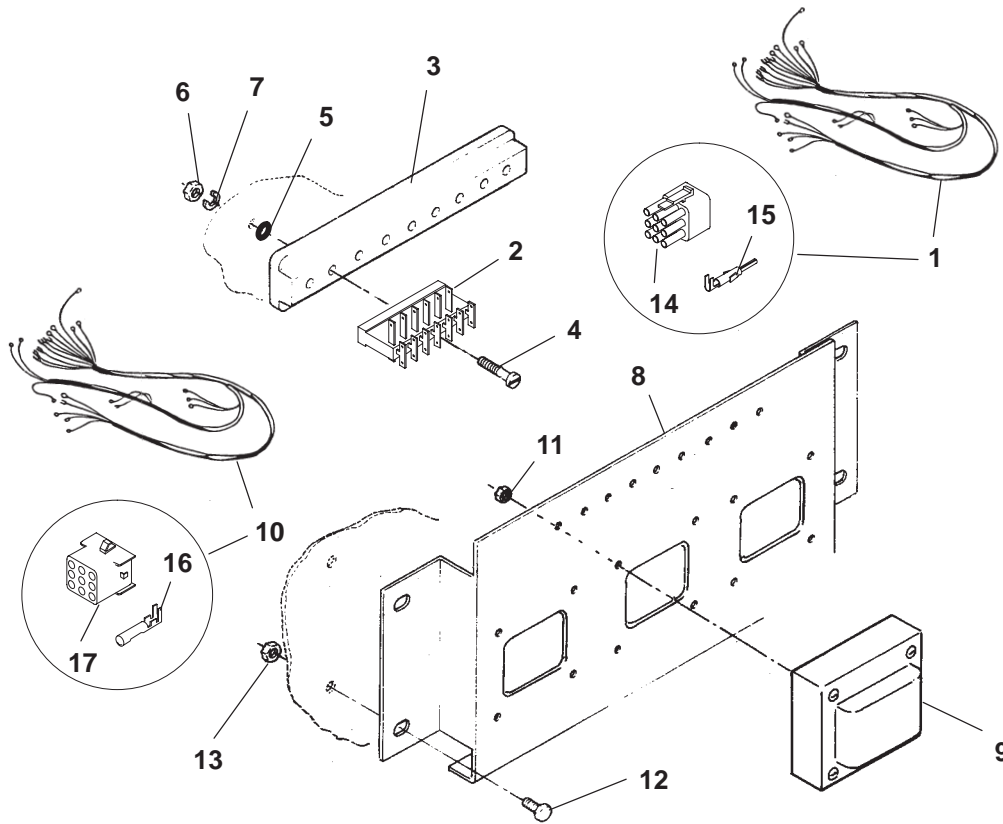
Radio Frequency Interference Module



B220

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

Auxiliary Terminal Block



B246,252,258,259,260,300,301,302

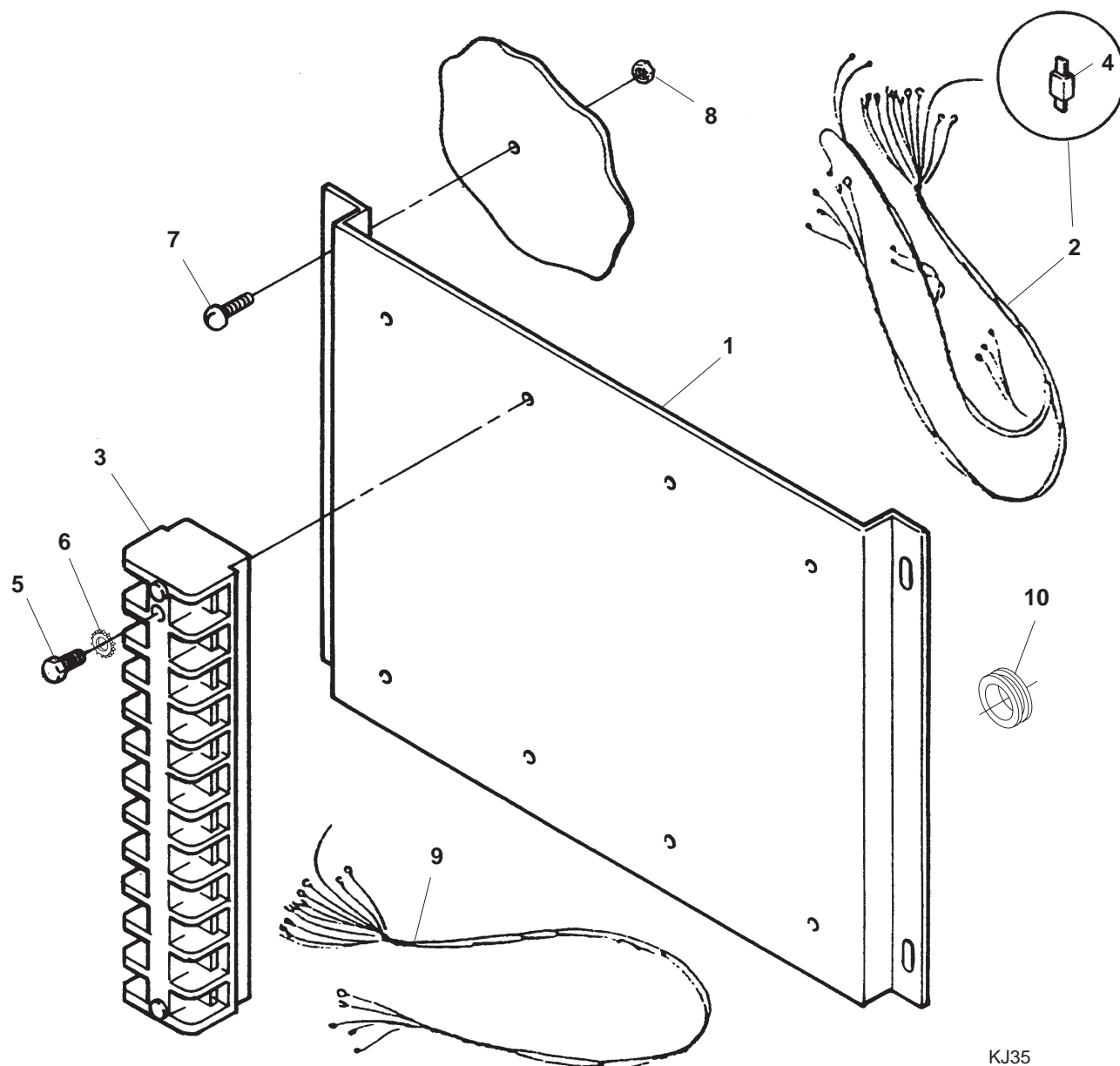
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-2491	1	Harness, Wiring 190-240, 380-480 Volt, 12 Lead Reconnectable Generator (Includes Parts Marked *) (AUX to TB21, VR21, A16, 8, 7, 6, 5, 4, X, XX, P2, P3, P4)	10	338-3337	1	Harness, Wiring – Transformer (Includes Parts Marked +) (J1 to PTW, PTV, PTU)
	338-3359	1	600 Volt Generator (Includes Parts Marked #) (AUX to P1, TB21, A16, VR21, 8, 7, 6, 5, X, XX, P2, P3, P4)	11	870-0221	12	Nut, Hex – Self-Locking – W/ET (#8-32)
2	332-3007	3	*#Block, Terminal (AUX)	12	821-0016	4	Screw, Self-Locking – Hex Washer Head (5/16-18 x 3/4")
3	232-3536	1	*#Base, Terminal Block	13	870-0257	4	Nut, Self-Locking – Hex Flange Head (5/16-18)
4	812-0085	3	*#Screw, Machine – Round Head (#8-32 x 1-1/8")	14	323-1644-01	1	#Connector, Plug (9 Place) (P1)
5	509-0065	3	*#Seal, O-Ring	15	323-1647	8	#Pin, Contact
6	870-0221	3	Nut, Hex – W/ET (#8-32)	16	323-1648	9	+Socket, Contact
7	850-0025	3	Washer, Lock – Spring (#10)	17	323-1644-02	1	+Connector, Housing (9 Place) (J1)
8	319-1245	1	Bracket, Mounting				
9	315-0717	3	Transformer (PTW, PTV, PTU)				

* – Parts Included in Wiring Harness 338-2491

– Parts Included in Wiring Harness 338-3359

+ – Parts Included in Wiring Harness 338-3337

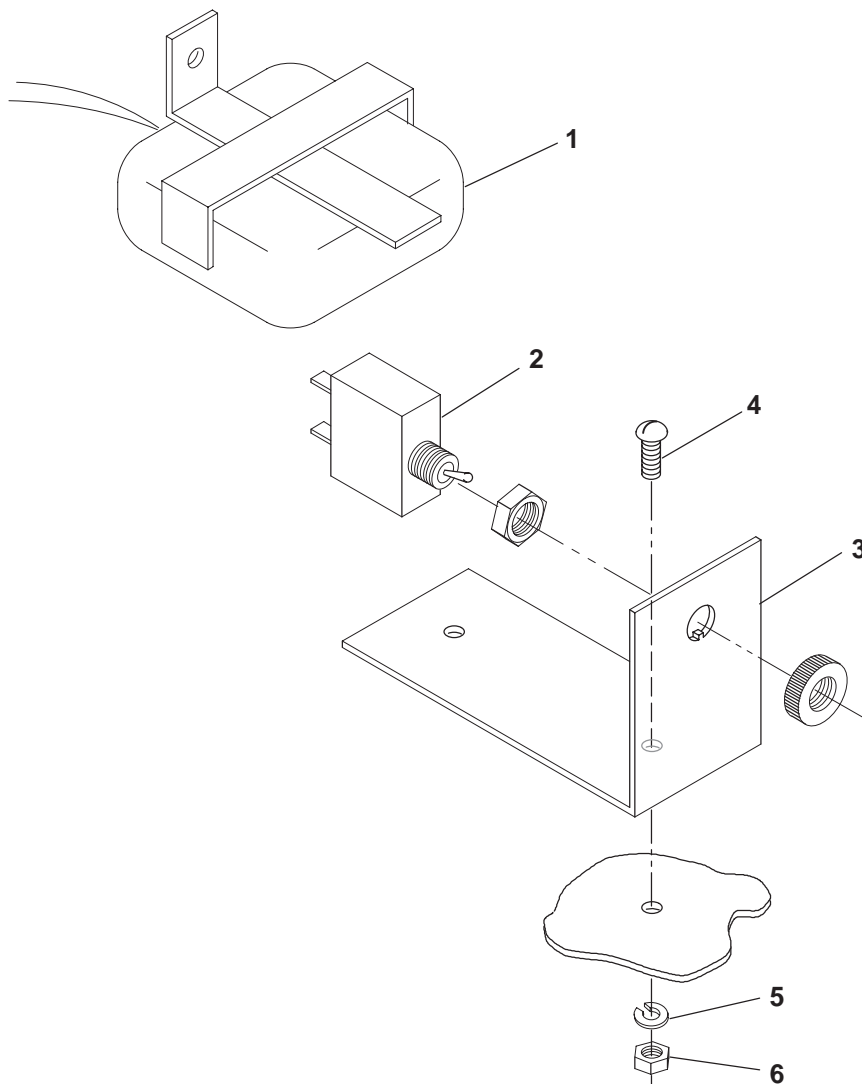
Paralleling Interconnect Terminal Block



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	812-0085	8	Screw, Machine – Round Head (#8-32 x 1-1/8")	10	508-0051	1	Grommet, Rubber (Fits 2" Hole)

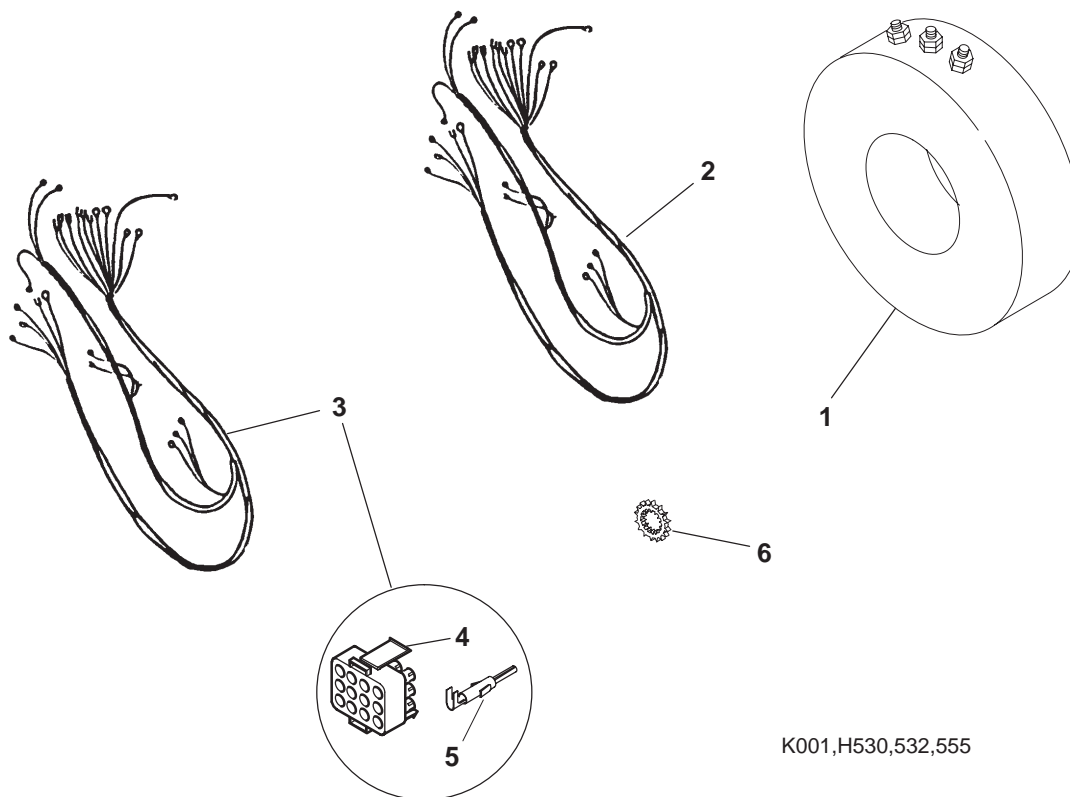
Cross Current Compensation Circuit



KJ35,K611

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	302-1852-02	1	Transformer, Current 600:0.37 Ratio – HC4 Generators	3	301-9657	1	Bracket, Mounting
	302-1852-03	1	600:0.38 Ratio – HC5 Generators	4	813-0100	2	Screw, Machine – Round Head (#10-32 x 1/2")
2	308-0069	1	Switch, Toggle (S22)	5	850-0030	2	Washer, Lock – Spring (#10)
				6	870-0053	2	Nut, Hex (#10-32)

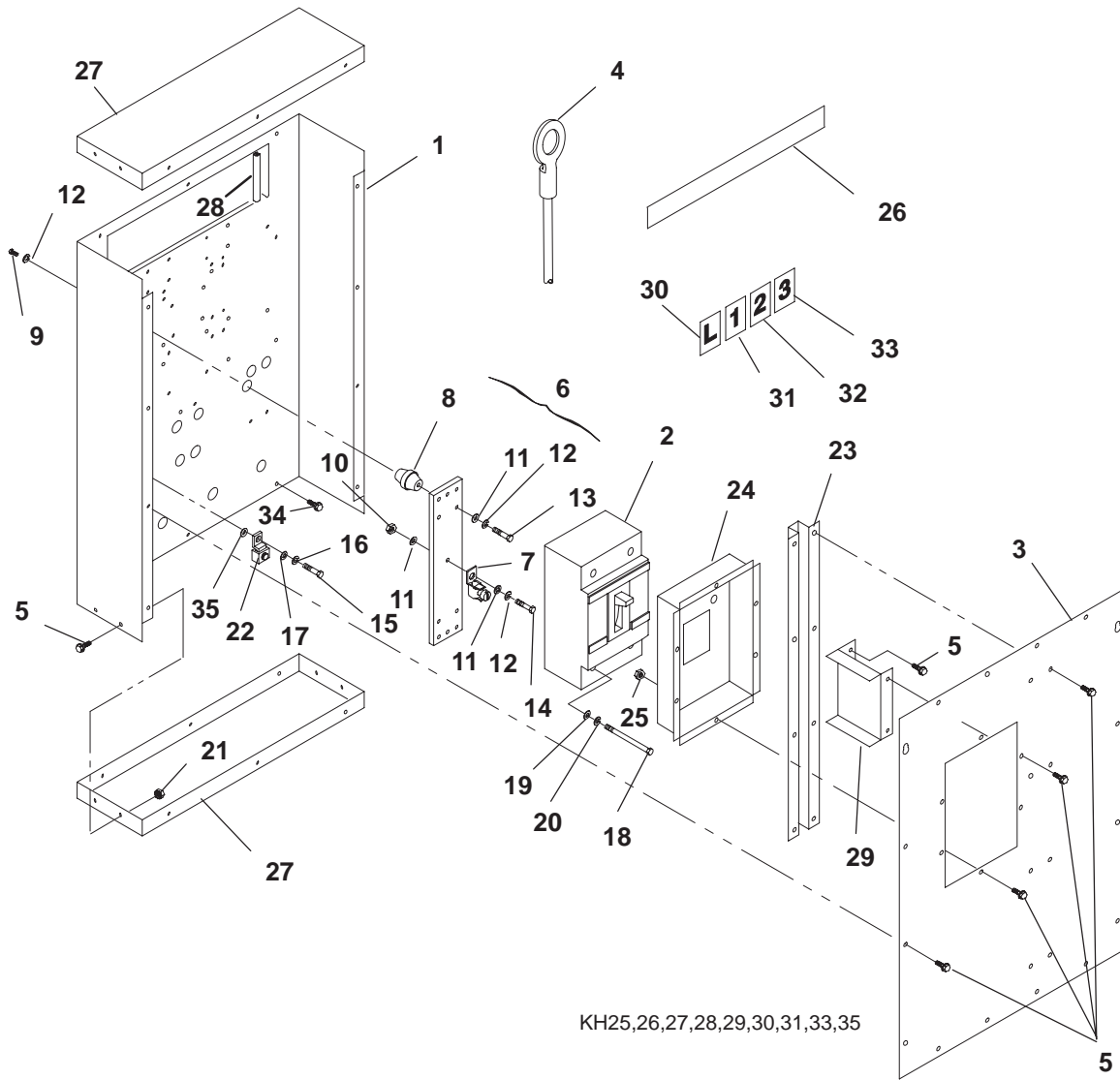
Current Transformer



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	2	338-1980	1	Harness, Wiring – Generator Sets With Detector Control (TB21 And GND To CT21,22,23) (61")
	302-1794-07	3	Ratio 375/5 or 750/5	3	338-3019	1	Harness, Wiring – Generator Sets With PowerCommand Control (Includes Plug And Sockets) (P9 To CT21,22,23 And 5,6,7,8) (60")
	302-1794-08	3	Ratio 400/5 or 800/5				
	302-1794-09	3	Ratio 500/5 or 1000/5	4	323-1644-03	1	Plug – 12 Place – Generator Sets With PowerCommand Control (P9)
	302-1794-10	3	Ratio 600/5 or 1200/5	5	323-1648	10	Socket, Contract – Generator Sets With PowerCommand Control
	302-1794-11	3	Ratio 750/5 or 1500/5	6	856-0008	2	Washer, Lock – EIT (5/16") (Grounding Wires)
			Generator Sets With Power Command Control				
	302-1922-08	3	Ratio 315/1 or 630/1				
	302-1922-09	3	Ratio 345/1 or 690/1				
	302-1922-10	3	Ratio 394/1 or 788/1				
	302-1922-11	3	Ratio 432/1 or 864/1				
	302-1922-12	3	Ratio 473/1 or 946/1				

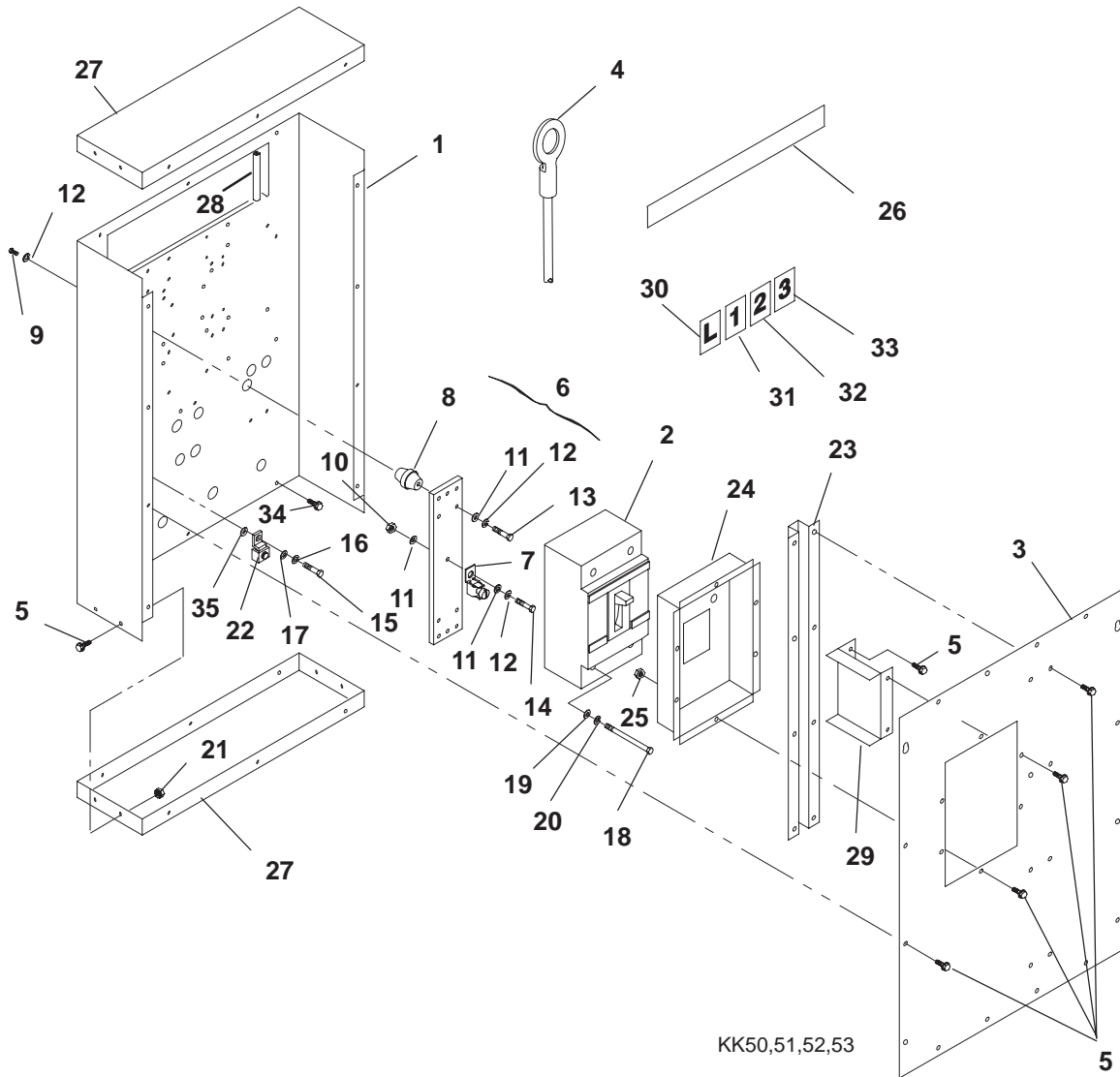
**Circuit Breaker
UL Listed
DQAA and DQAB Spec A**



**Circuit Breaker
UL Listed
DQAA and DQAB Spec A**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-2432	1	Box, Circuit Breaker	9	800-0048	2	#Screw, Cap – Hex Head (3/8–16 x 3/4")
2			Breaker, Circuit – 3 Pole (Includes Lugs) (CB21)	10	862-0003	3	#Nut, Hex (3/8")
			Standard	11	526-0029	8	#Washer, Flat (3/8")
	320-1460-08	1	350 Amp	12	850-0050	7	#Washer, Lock – Spring (3/8")
	320-1460-09	1	400 Amp	13	800-0051	2	#Screw, Cap – Hex Head (3/8–16 x 1-1/4")
	320-1460-10	1	* 450 Amp	14	800-0052	3	#Screw, Cap – Hex Head (3/8–16 x 1-1/2")
	320-1460-11	1	* 500 Amp	15	800-0050	1	Screw, Cap – Hex Head (3/8–16 x 1")
	320-1460-12	1	* 600 Amp	16	850-0050	1	Washer, Lock – Spring (3/8")
	320-1461-07	1	* 700 Amp	17	526-0029	1	Washer, Flat (3/8")
	320-1461-08	1	* 800 Amp	18			Screw
	320-1461-09	1	* 1000 Amp		812-0157	4	Machine – Round Head (1/4–20 x 1-3/4") 350 To 600 Amp Breakers
	320-1461-10	1	* 1200 Amp		800-0031	4	Cap – Hex Head (5/16–18 x 1-1/2") 700 To 1200 Amp Breakers
			With Auxiliary Contacts	19	526-0108	4	Washer, Flat 1/4" – 350 To 600 Amp Breakers
	320-1464-08	1	350 Amp		526-0115	4	5/16" – 700 To 1200 Amp Breakers
	320-1464-09	1	400 Amp	20			Washer, Lock – Spring 1/4" – 350 To 600 Amp Breakers
	320-1464-10	1	* 450 Amp		850-0040	4	5/16" – 700 To 1200 Amp Breakers
	320-1464-11	1	* 500 Amp		850-0045	4	Nut, Self-Retaining (1/4–20)
	320-1464-12	1	* 600 Amp	21	870-0494	16	Lug, Solderless
	320-1465-07	1	* 700 Amp	22	332-2001	1	Brace, Cover
	320-1465-08	1	* 800 Amp	23	319-1918	1	Cup, Circuit Breaker
	320-1465-09	1	* 1000 Amp	24			2-9/16" x 3-5/8" Opening
	320-1465-10	1	* 1200 Amp		319-2431-14	1	3-1/8" x 4-1/8" Opening
			With Shunt Trip	25	870-0212	6	Nut, Locking (1/4–20)
	320-1472-08	1	350 Amp	26	091-0002	1	Strip, Copper (Used for wrapping end of leads before securing to circuit breakers) (Quantity Used As Required)
	320-1472-09	1	400 Amp	27	319-1915	2	Panel
	320-1472-10	1	* 450 Amp	28	508-1092	–	Edging – Bulk (Order By The Foot – 3 Feet Required)
	320-1472-11	1	* 500 Amp	29	319-1927	1	Brace, Cover
	320-1472-12	1	* 600 Amp	30	098-5854-06	3	Label, Marker (10 Characters Per Card) Marked "L"
	320-1473-07	1	* 700 Amp	31	098-5854-07	1	Label, Marker (10 Characters Per Card) Marked "1"
	320-1473-08	1	* 800 Amp	32	098-5854-08	1	Label, Marker (10 Characters Per Card) Marked "2"
	320-1473-09	1	* 1000 Amp	33	098-5854-09	1	Label, Marker (10 Characters Per Card) Marked "3"
	320-1473-10	1	* 1200 Amp	34	821-5002-04	5	Screw, Self-Locking – Hex Washer Head (1/4–20 x 5/8")
			With Auxiliary Contacts and Shunt Trip	35	856-0010	1	Washer, Lock – EIT (3/8")
	320-1492-08	1	350 Amp	* – Circuit Breakers With Interchangeable Trip			
	320-1492-09	1	400 Amp	# – Parts Included In 300–4318 Neutral Bar Assembly			
	320-1492-10	1	* 450 Amp				
	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				
3	319-1917	1	Cover				
4			Lead, Circuit Breaker (Quantity Used As Required) 39" (Without Markings) (#1/0 Wire)				
	226-4406-03	1	1/2" Ring Terminal End to 1" Stripped End				
	226-4406-04	1	1/2" Ring Terminal End to 1/2" Ring Terminal End				
5	821-5002-03	40	Screw, Self-Locking – Hex Washer Head (1/4–20 x 1/2")				
6	300-4318	1	Bar Assembly, Neutral (Includes Parts Marked #)				
7	332-2001	3	#Lug, Solderless				
8	332-2744-07	2	#Standoff, Insulator				

**Disconnect Switch
Molded Case
UL Listed
DQAA and DQAB Spec A**

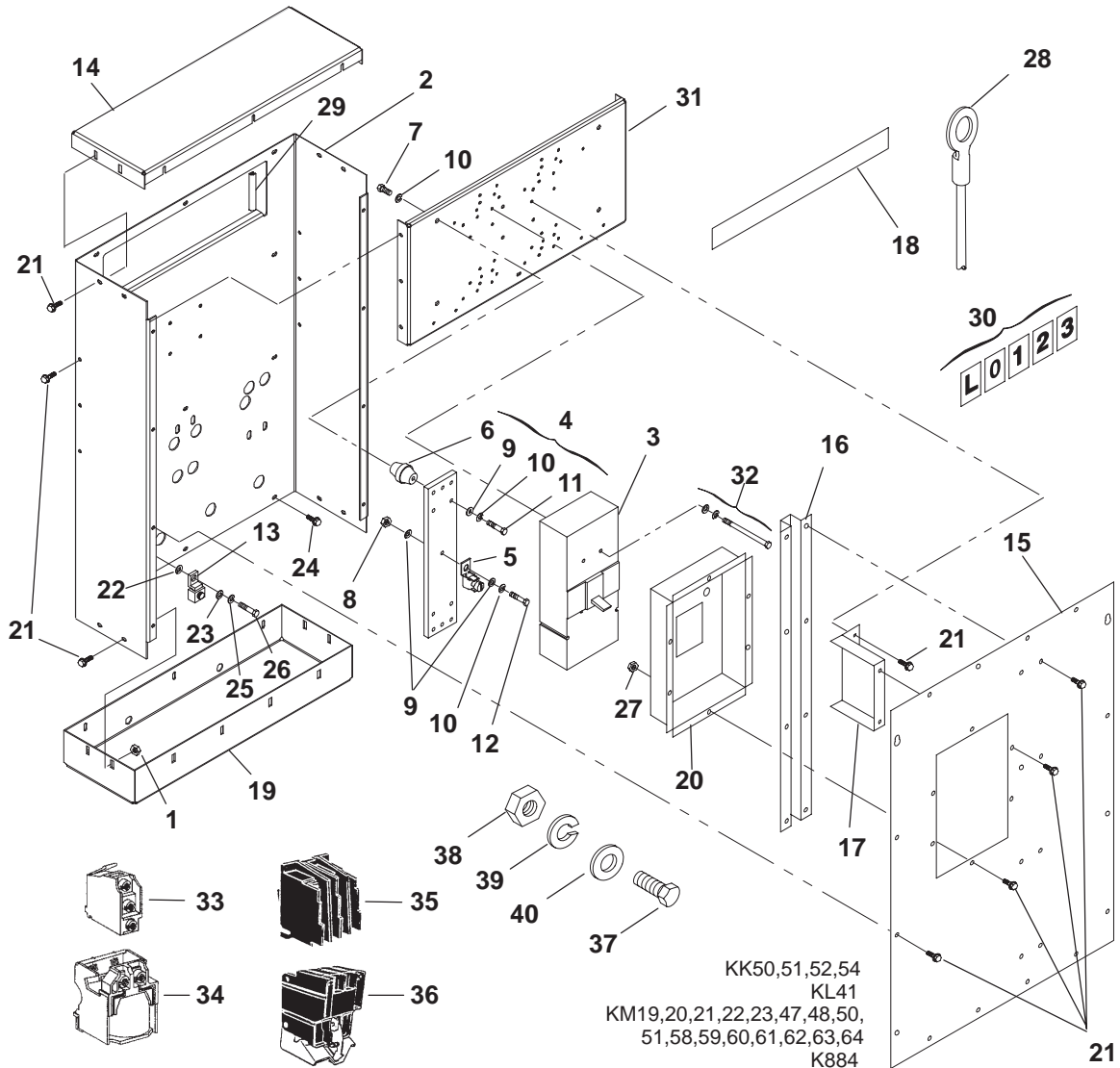


**Disconnect Switch
Molded Case
UL Listed
DQAA and DQAB Spec A**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-2432	1	Box, Disconnect Switch	19			Washer, Flat
2			Switch, Disconnect – 3 Pole (Includes Line and Load Lugs) (CB21)	526-0108	4		1/4" – 400 and 600 Amp Switches
	320-1906-17	1	400 Amp	526-0115	4		5/16" – 800 and 1000 Amp Switches
	320-1906-18	1	600 Amp	20			Washer, Lock – Spring
	320-1906-19	1	800 Amp	850-0040	4		1/4" – 400 and 600 Amp Switches
	320-1906-20	1	1000 Amp	850-0045	4		5/16" – 800 and 1000 Amp Switches
3	319-1917	1	Cover	21	870-0494	16	Nut, Self-Retaining (1/4-20)
4			Lead, Disconnect Switch (Quantity Used As Required)	22	332-2001	1	Lug, Solderless
			39" (Without Markings)	23	319-1918	1	Brace, Cover
			(#1/0 Wire)	24			Cup, Disconnect Switch
	226-4406-03	1	1/2" Ring Terminal End to 1" Stripped End	319-2431-13	1		Opening Recessed 4-7/8"
	226-4406-04	1	1/2" Ring Terminal End to 1/2" Ring Terminal End	319-2431-14	1		Opening Recessed 3-1/2"
5	821-0010	40	Screw, Self-Locking – Hex Washer Head (1/4-20 x 1/2")	25	870-0212	6	Nut, Locking (1/4-20)
6	300-4318	1	Bar Assembly, Neutral (Includes Parts Marked *)	26	091-0002	1	Strip, Copper (Used for wrapping end of leads before securing to disconnect switches) (Quantity Used As Required)
7	332-2001	3	*Lug, Solderless	27	319-1915	2	Panel
8	332-2744-07	2	*Standoff, Insulator	28	508-1092	–	Edging – Bulk (Order By The Foot – 3 Feet Required)
9	800-0048	2	*Screw, Cap – Hex Head (3/8-16 x 3/4")	29	319-1927	1	Brace, Cover
10	862-0003	3	*Nut, Hex (3/8")	30	098-5854-06	3	Label, Marker (10 Characters Per Card) Marked "L"
11	526-0029	8	*Washer, Flat (3/8")	31	098-5854-07	1	Label, Marker (10 Characters Per Card) Marked "1"
12	850-0050	7	*Washer, Lock – Spring (3/8")	32	098-5854-08	1	Label, Marker (10 Characters Per Card) Marked "2"
13	800-0051	2	*Screw, Cap – Hex Head (3/8-16 x 1-1/4")	33	098-5854-09	1	Label, Marker (10 Characters Per Card) Marked "3"
14	800-0052	3	*Screw, Cap – Hex Head (3/8-16 x 1-1/2")	34	821-0018	5	Screw, Self-Locking – Hex Washer Head (1/4-20 x 5/8")
15	800-0050	1	Screw, Cap – Hex Head (3/8-16 x 1")	35	856-0010	1	Washer, Lock – EIT (3/8")
16	850-0050	1	Washer, Lock – Spring (3/8")				
17	526-0029	1	Washer, Flat (3/8")				
18			Screw				
	812-0157	4	Machine – Round Head (1/4-20 x 1-3/4") 400 and 600 Amp Switches				
	800-0031	4	Cap – Hex Head (5/16-18 x 1-1/2") 800 and 1000 Amp Switches				

* – Parts Included In 300-4318 Neutral Bar Assembly

Circuit Breaker and Disconnect Switch
UL Listed, IEC Conformity
DQAA and DQAB Begin Spec B
DQBA and DQBB Spec A and B



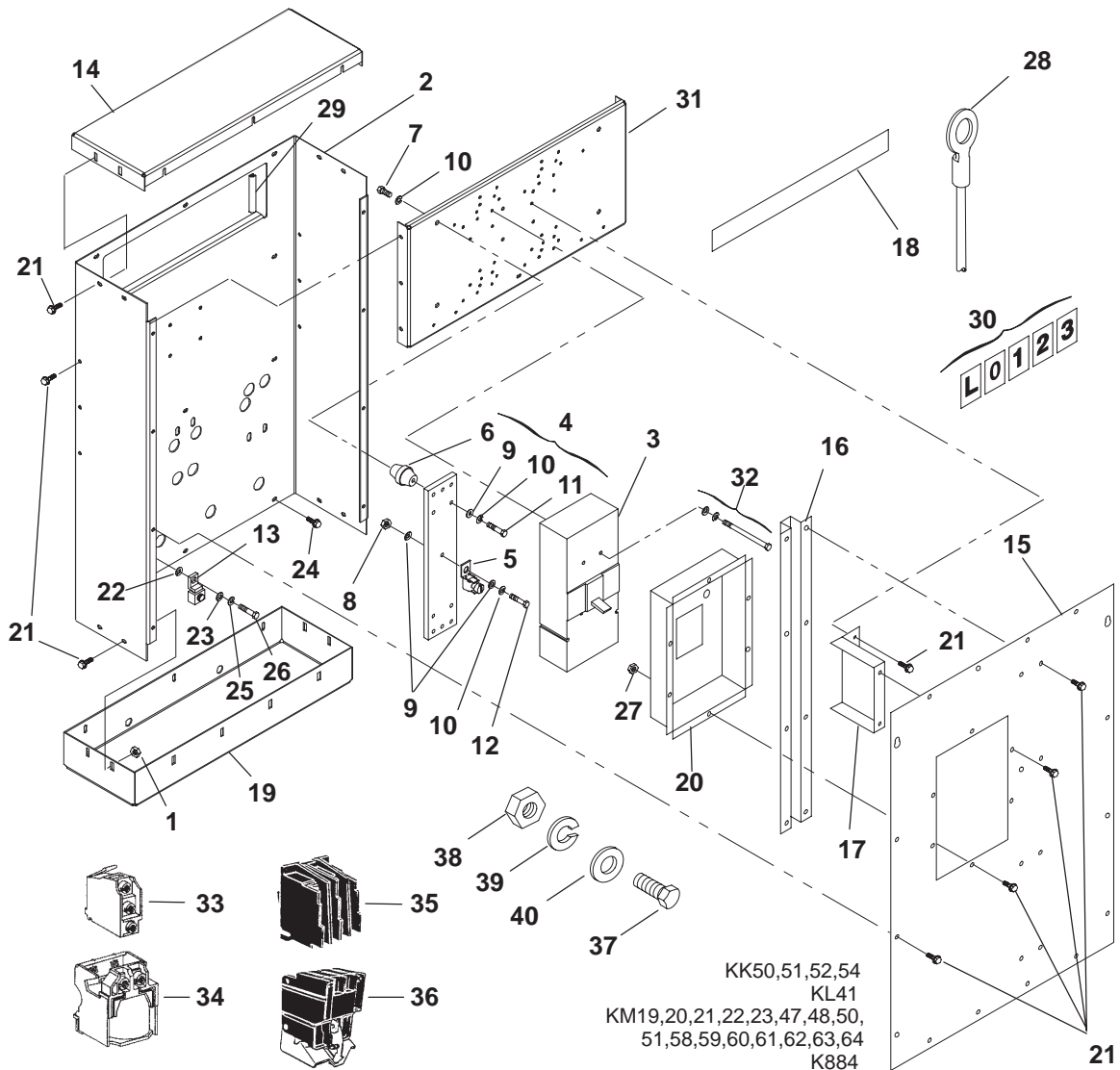
Circuit Breaker and Disconnect Switch
UL Listed, IEC Conformity
DQAA and DQAB Begin Spec B
DQBA and DQBB Spec A and B

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	870-0504	16	Nut, Self-Retaining (M6)	16	319-3284	1	Brace, Cover
2	319-3169	1	Box	17	319-3333	1	Brace, Cover
3			The following listed Circuit Breakers and Disconnect Switches include lugs and mounting hardware.	18	091-0002	1	Strip, Copper (Used for wrapping end of leads before securing to circuit breakers and disconnect switches) (Quantity Used As Required)
			Circuit Breakers				
			3 Pole (UL, IEC)	19	319-3183	1	Panel – Bottom
320-1963-05	1	350 Amp		20			Cup
320-1963-04	1	400 Amp			319-2431-26	1	2-7/8" x 4" Opening
320-1963-03	1	450 Amp			319-2431-30	1	3-5/16" x 4-3/8" Opening
320-1963-02	1	500 Amp			319-2431-31	1	2-1/2" x 4-9/16" Opening
320-1963-01	1	600 Amp		21	821-6002-03	53	Screw, Self-Locking – Hex Washer Head (M6 x 16mm)
320-1964-05	1	700 Amp		22	856-0010	1	Washer, Lock – EIT (3/8")
320-1964-04	1	800 Amp		23	526-2120	1	Washer, Flat (M10)
320-1964-02	1	1000 Amp		24	821-2035	2	Screw, Self-Locking – Hex Washer Head (M6 x 25mm)
320-1964-01	1	1200 Amp					Washer, Lock – Spring (M10)
			4 Pole (IEC)	25	850-2010	1	Screw, Cap – Hex Head (M10 x 25mm)
320-1960-10	1	320 Amp		26	800-2086	1	Nut, Hex – Flange (M6)
320-1960-09	1	400 Amp		27	870-2054	4	Lead (Quantity Used As Required) 39" (Without Markings) (#1/0 Wire)
320-1960-08	1	500 Amp		28			1/2" Ring Terminal End to 1" Stripped End
320-1960-07	1	630 Amp			226-4406-03	1	1/2" Ring Terminal End to 1/2" Ring Terminal End
320-1964-08	1	800 Amp			226-4406-04	1	Edging – Bulk (Order By The Foot – 3 Feet Required)
320-1964-07	1	1000 Amp			508-1092	–	Label, Marker (10 Characters Per Card) (Quantity Used As Required)
320-1964-06	1	1250 Amp					Marked "L"
			Disconnect Switches		098-5854-06	1	Marked "1"
			3 Pole (UL, IEC)		098-5854-07	1	Marked "2"
320-1991-02	1	400 Amp			098-5854-08	1	Marked "3"
320-1991-01	1	600 Amp			098-5854-09	1	Marked "0"
320-1992-02	1	800 Amp		29			Bracket, Mounting
320-1992-01	1	1200 Amp		30			
4	300-4318	1	Bar Assembly, Neutral – Used on 3 Pole Circuit Breakers and Disconnect Switches (Includes Parts Marked *)		098-5854-10	1	
5	332-2001	3	*Lug, Solderless		319-3329	1	
6	332-2744-07	2	*Standoff, Insulator				
7	800-0048	2	*Screw, Cap – Hex Head (3/8-16 x 3/4")				
8	862-0003	3	*Nut, Hex (3/8")				
9	526-0029	8	*Washer, Flat (3/8")				
10	850-0050	7	*Washer, Lock – Spring (3/8")				
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				
15			Cover				
	319-1917	1	All Except 4 Pole Switches Mounted on the Right Side When Facing Control				
	319-2463	1	4 Pole Switches Mounted on the Right Side When Facing Control				

* – Parts Included In 300-4318 Neutral Bar Assembly

Continued...

Circuit Breaker and Disconnect Switch
UL Listed, IEC Conformity
DQAA and DQAB Begin Spec B
DQBA and DQBB Spec A and B

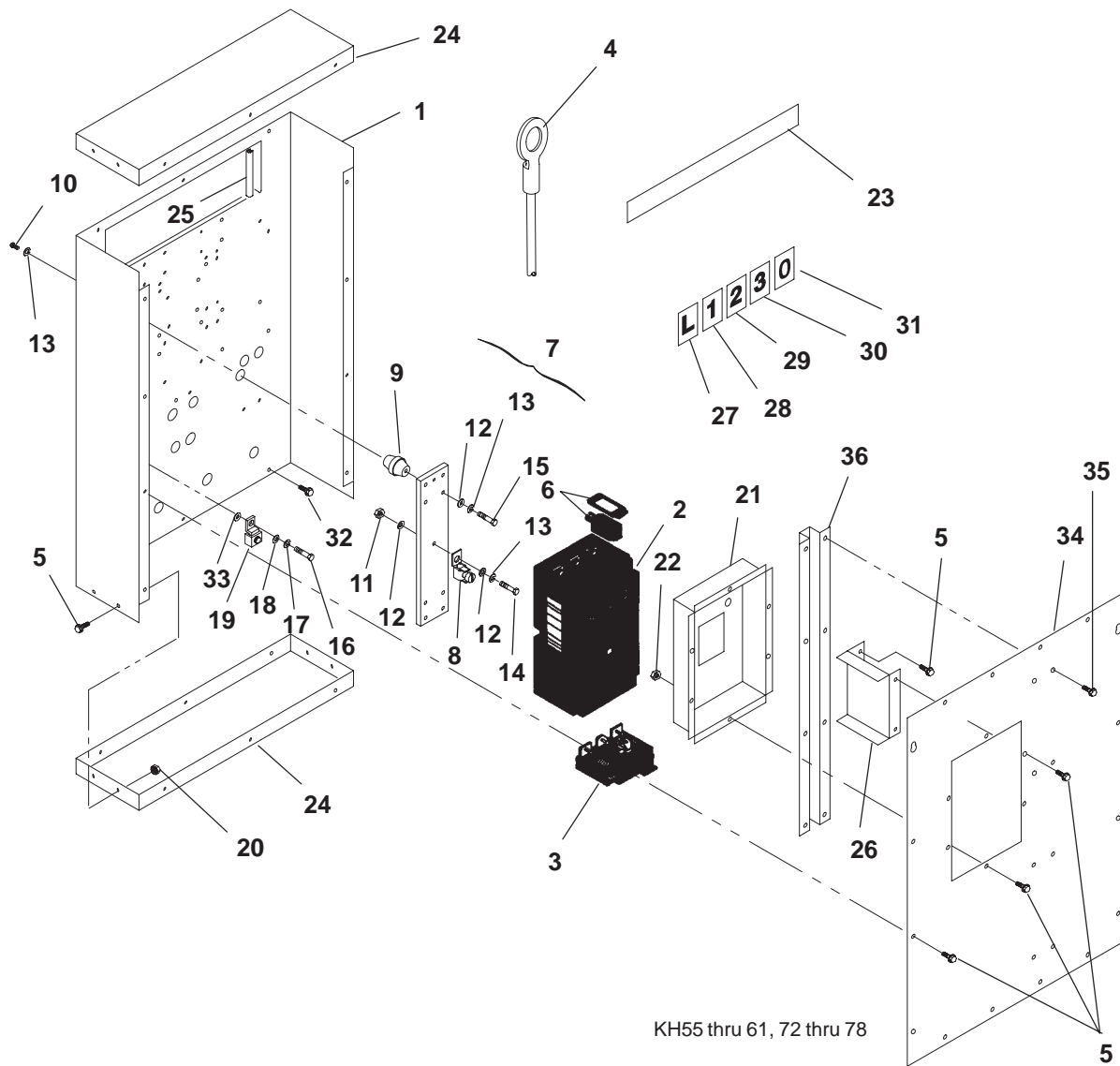


Circuit Breaker and Disconnect Switch
UL Listed, IEC Conformity
DQAA and DQAB Begin Spec B
DQBA and DQBB Spec A and B

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
Continued...				Accessories, Circuit Breaker: The following are used on 320-1963-XX and 320-1964-XX Circuit Breakers Switches – Includes 1 Trip Alarm and 1 Auxiliary Contact 24 Volt Shunt Trip The following four hardware items are used to fasten the load leads to the neutral bar on the HC4 and HC5 generators and load leads to generator on the HC5 generators. Quantity used varies with application – use as required.			
32			Package, Hardware – Mounting (Includes Screws, Nuts and Lock Washers – 1 Package Required Per Switch)	35	320-1977-01	1	
	320-1986-07	1	Used With 320-1960-XX Circuit Breakers	36	320-1977-03	1	
	320-1986-02	1	Used With 320-1963-XX Circuit Breakers and 320-1991-XX Disconnect Switches				
	320-1986-01	1	Used With 320-1964-XX Circuit Breakers and 320-1992-XX Disconnect Switches				
			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)
33	320-1981-01	1	Switch – Used as a Trip Alarm or Auxiliary Contact	40	526-2140	1	Washer, Flat (M12)
34	320-1981-03	1	24 Volt Shunt Trip				

* – Parts Included In 300-4318 Neutral Bar Assembly

**Circuit Breaker
Non-UL Listed
DQAA and DQAB Spec A**



KH55 thru 61, 72 thru 78

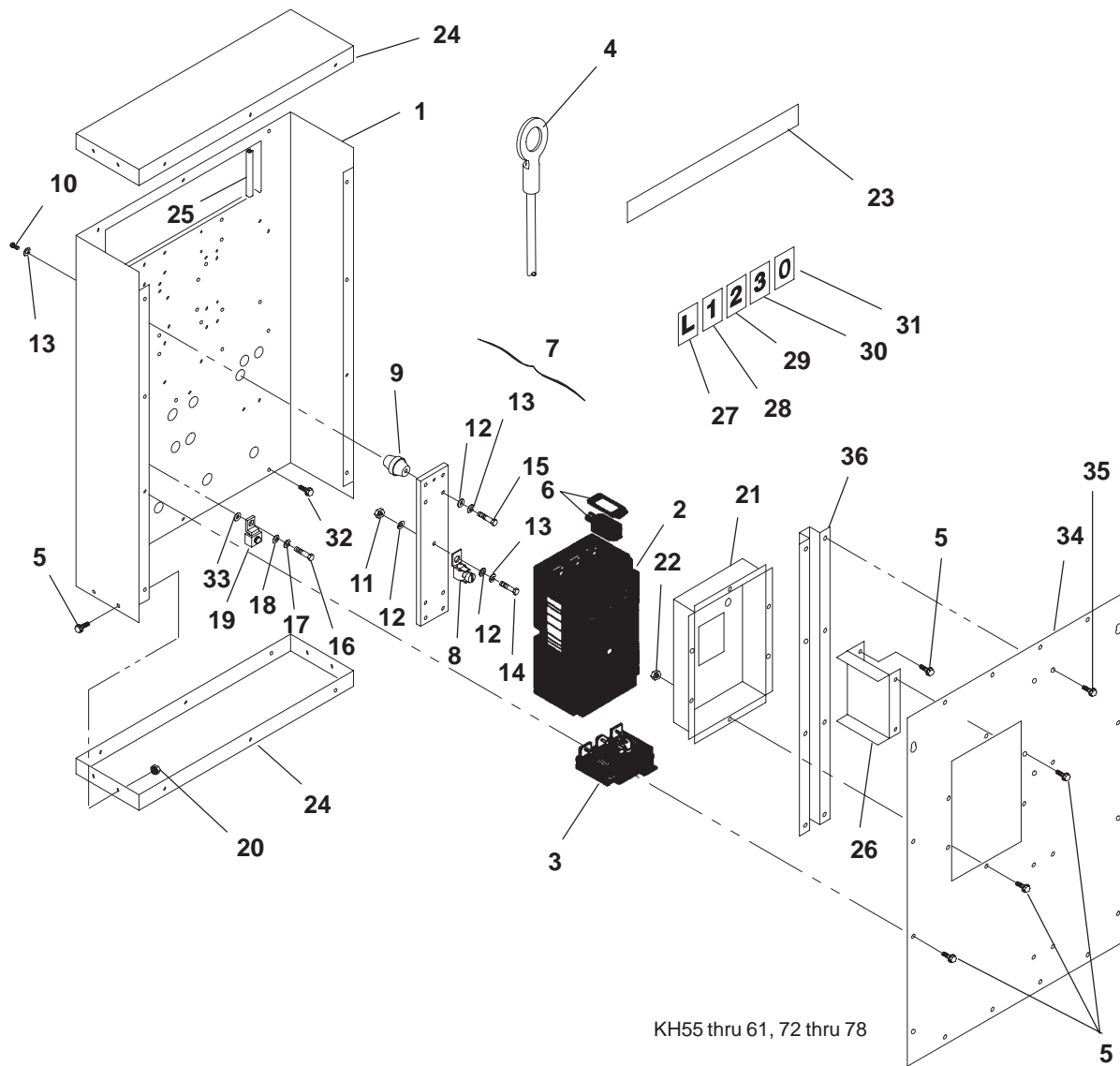
**Circuit Breaker
Non-UL Listed
DQAA and DQAB Spec A**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Box, Circuit Breaker	6			Lug Set – Circuit Breaker
	319-2433	1	3 Pole Circuit Breakers				(Packaged In Sets – Two Lugs
	319-2464	1	4 Pole Circuit Breakers				Per Set) (Quantity Used As
2			Frame – Circuit Breaker				Required)
			(Includes Mounting Hardware)	320-1755-03	1		Circuit Breaker Frame Size
			Three Pole Breakers				D400
	320-1751-01	1	Frame Size D400 (For 320	320-1755-04	1		Circuit Breaker Frame Size
			and 400 Amp Trips)				D630
	320-1751-13	1	Frame Size D630 (For 500	320-1755-06	1		Circuit Breaker Frame Size
			and 630 Amp Trips)				D800
	320-1751-25	1	Frame Size D800 (For 800	320-1755-05	1		Circuit Breaker Frame Size
			Amp Trips)				D1250
	320-1751-33	1	Frame Size D1250 (For	7	300-4318	1	Bar Assembly, Neutral (Includes
			1000 and 1250 Amp Trips)				Parts Marked *)
			Four Pole Breakers	8	332-2001	3	*Lug, Solderless
	320-1751-07	1	Frame Size D400 (For 320	9	332-2744-07	2	*Standoff, Insulator
			and 400 Amp Trips)	10	800-0048	2	*Screw, Cap – Hex Head
	320-1751-19	1	Frame Size D630 (For 500				(3/8-16 x 3/4")
			and 630 Amp Trips)	11	862-0003	3	*Nut, Hex (3/8")
	320-1751-29	1	Frame Size D800 (For 800	12	526-0029	8	*Washer, Flat (3/8")
			Amp Trips)	13	850-0050	7	*Washer, Lock – Spring (3/8")
	320-1751-39	1	Frame Size D1250 (For	14	800-0051	2	*Screw, Cap – Hex Head
			1000 and 1250 Amp Trips)				(3/8-16 x 1-1/4")
3			Trip – Circuit Breakers (CB21)	15	800-0052	3	*Screw, Cap – Hex Head
			Three Pole Breakers				(3/8-16 x 1-1/2")
	320-1751-05	1	320 Amp	16	800-0050	1	Screw, Cap – Hex Head
	320-1751-06	1	400 Amp				(3/8-16 x 1")
	320-1751-17	1	500 Amp	17	850-0050	1	Washer, Lock – Spring (3/8")
	320-1751-18	1	630 Amp	18	526-0029	1	Washer, Flat (3/8")
	320-1751-28	1	800 Amp	19	332-2001	1	Lug, Solderless
	320-1751-37	1	1000 Amp	20	870-0494	16	Nut, Self-Retaining – Floating
	320-1751-38	1	1250 Amp				(1/4-20)
			Four Pole Breakers	21			Cup, Circuit Breaker
	320-1751-11	1	320 Amp		319-2431-16	1	Opening Recessed 4-1/4"
	320-1751-12	1	400 Amp		319-2431-17	1	Opening Recessed 3"
	320-1751-23	1	500 Amp	22	870-0212	6	Nut, Locking (1/4-20)
	320-1751-24	1	630 Amp	23	091-0002	1	Strip, Copper (Used for
	320-1751-32	1	800 Amp				wrapping end of leads before
	320-1751-43	1	1000 Amp				securing to circuit breakers)
	320-1751-44	1	1250 Amp				(Quantity Used As Required)
4			Lead – Circuit Breaker (Quantity	24	319-1915	2	Panel
			Used As Required) 39"	25	508-1092	–	Edging – Bulk (Order By The
			(Without Markings) (#1/0 Wire)				Foot – 3 Feet Required)
	226-4406-03	1	1/2" Ring Terminal End to 1"	26	319-1927	1	Brace, Cover
			Stripped End				
	226-4406-04	1	1/2" Ring Terminal End to				
			1/2" Ring Terminal End				
5	821-5002-03	34	Screw, Self-Locking – Hex				
			Washer Head (1/4-20 x 1/2")				

* – Parts Included In 300-4318 Neutral Bar Assembly

Continued...

**Circuit Breaker
Non-UL Listed
DQAA and DQAB Spec A**



**Circuit Breaker
Non-UL Listed
DQAA and DQAB Spec A**

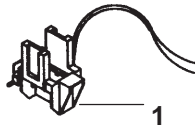
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
Continued...				33	856-0010	1	Washer, Lock – EIT (3/8")
				34			Cover, Circuit Breaker
					319-1917	1	Sets With 3 Pole Breaker Mounted On Left Or Right Side When Facing Control
27			Label, Marker (10 Characters Per Card) Marked "L"				
	098-5854-06	3	3 Pole Breakers				
	098-5854-06	4	4 Pole Breakers		319-1917	1	Sets With 4 Pole Breaker Mounted On Left Side When Facing Control
28	098-5854-07	1	Label, Marker (10 Characters Per Card) Marked "1"				
					319-2463	1	Sets With 4 Pole Breaker Mounted On Right Side When Facing Control
29	098-5854-08	1	Label, Marker (10 Characters Per Card) Marked "2"				
30	098-5854-09	1	Label, Marker (10 Characters Per Card) Marked "3"	35	821-0010	8	Screw, Self-Locking – Hex Washer Head (1/4-20 x 1/2")
31	098-5854-10	1	Label, Marker (10 Characters Per Card) Marked "0" (4 Pole Breakers)	36	319-1918	1	Brace, Cover
32	821-0009	5	Screw, Self-Locking – Hex Washer Head (1/4-20 x 3/8")	* – Parts Included In 300-4318 Neutral Bar Assembly			

Auxiliary Contact
Non-UL Listed Circuit Breakers
DQAA and DQAB Spec A



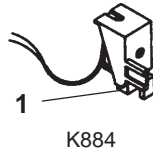
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Contact, Auxiliary				
	320-1747-05	1	Circuit Breaker Frame Size D400, D630, D800				
	320-1747-08	1	Circuit Breaker Frame Size D1250				

Bell Alarm
Non-UL Listed Circuit Breakers
DQAA and DQAB Spec A



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Alarm, Bell				
	320-1748-03	1	Circuit Breaker Frame Size D400, D630, D800				
	320-1748-04	1	Circuit Breaker Frame Size D1250				

Shunt Trip
Non-UL Listed Circuit Breakers
DQAA and DQAB Spec A



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Trip, Shunt				
	320-1749-03	1	Circuit Breaker Frame Size D400, D630, D800				
	320-1749-04	1	Circuit Breaker Frame Size D1250				

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