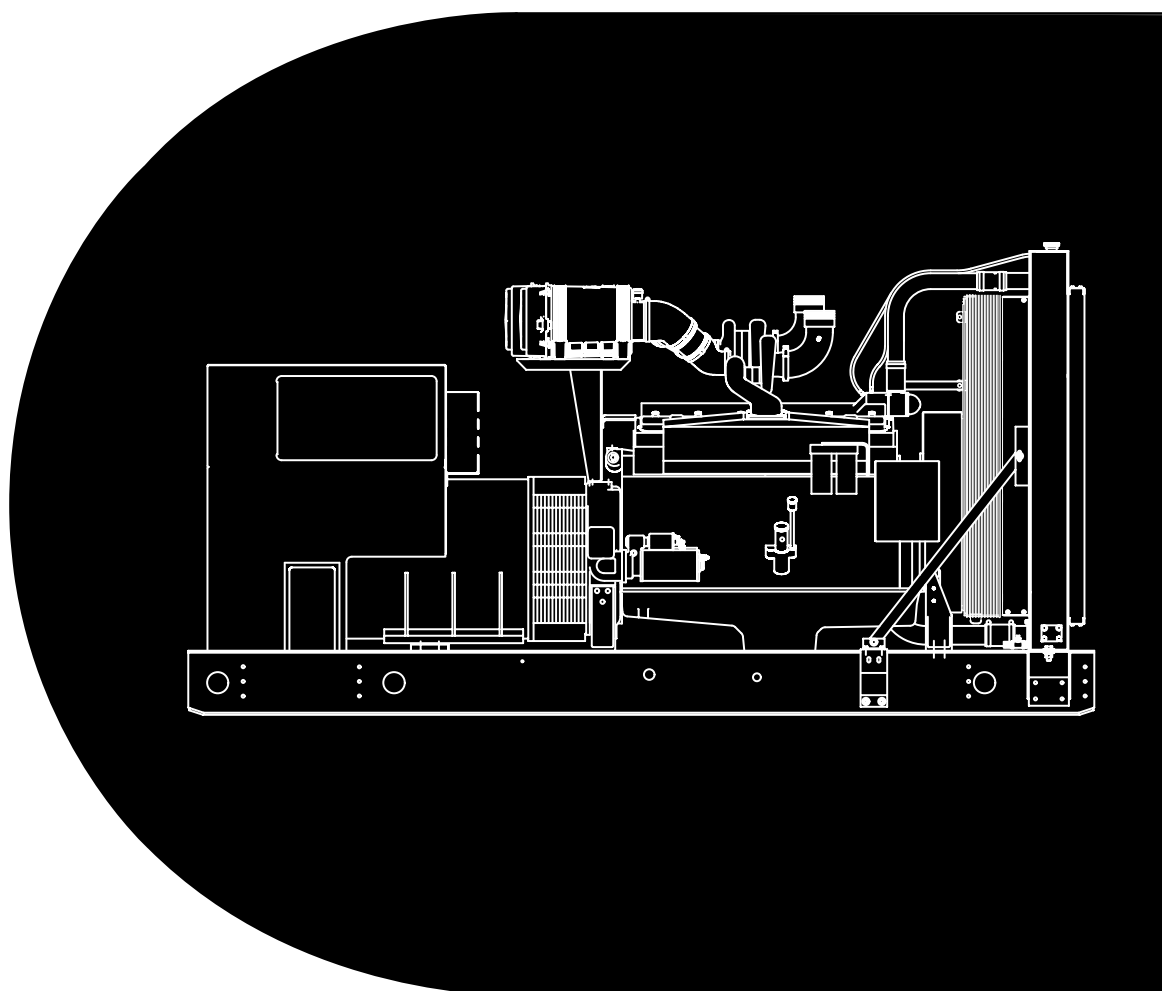


Parts Catalog

Models

DFGE (Spec A)

GENERATOR SET



MODEL IDENTIFICATION

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

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

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

MODEL AND SPEC NO.

SERIAL NO.

DIGITAL CONTROL SOFTWARE VERSION
AND DATE (IF APPLICABLE)

SAFETY PRECAUTIONS

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



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



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



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

PRODUCT SAFETY PRECAUTIONS



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



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



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



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

PSP-1

Introduction

This Parts Catalog applies to Cummins Power Generation Generator Model DFGE as listed in the Generator Set Data Table. Parts are arranged in groups of related items and each illustrated part is identified by a reference number corresponding with the same reference number in the parts list. Parts illustrations are typical. Unless otherwise mentioned in the description or the page heading, parts are interchangeable between models. Throughout this catalog left and right sides are determined by facing the engine (front) of the set unless noted in the description column.

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

Replacement Engine

Cummins Power Generation Generator Model	Cummins Engine Model
DFGE	VTA28-G7

Generator Set Data Table

Model/ Specifica- tion	Electrical Data					Battery Voltage
	Watts	Volts	Hertz	Wire	Phase	
750DFGE/*	750,000	#	60	6,12	1 or 3	24 VDC

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

- Broad range reconnectible

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Abbreviations

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

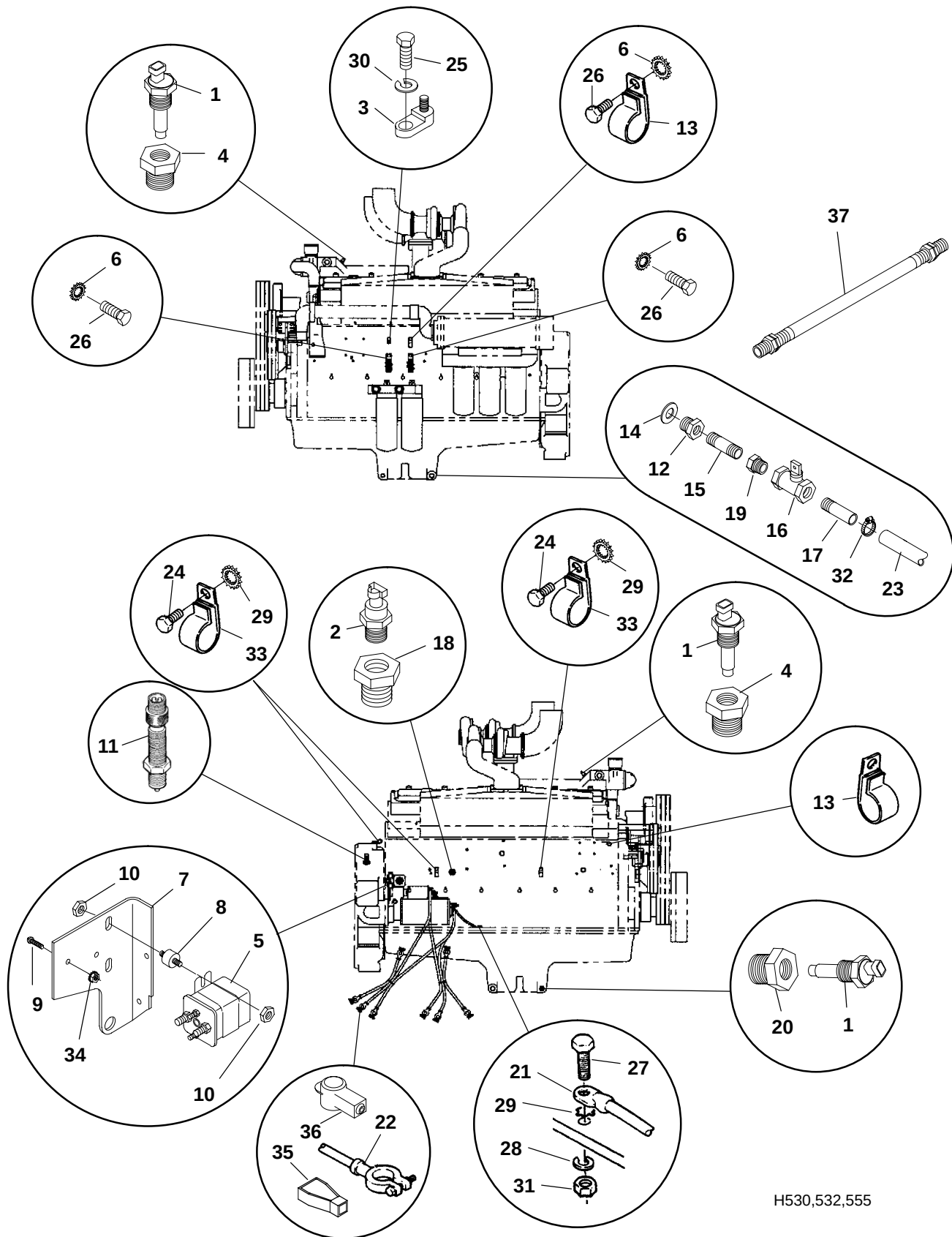
AC	Alternating Current	mm	Millimeter
Amp	Ampere	MOH	Mobile Off Highway
A/R	As Required	NFS	Not For Sale
AVR	Automatic Voltage Regulator	NPT	National Pipe Thread
AWG	American Wire Gauge	OD	Outside Diameter
Deg	Degree	oz.	Ounce
DC	Direct Current	PMG	Permanent Magnet Generator
EFC	Electronic Fuel Control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

Paint and Thread Sealant

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

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External Engine Parts

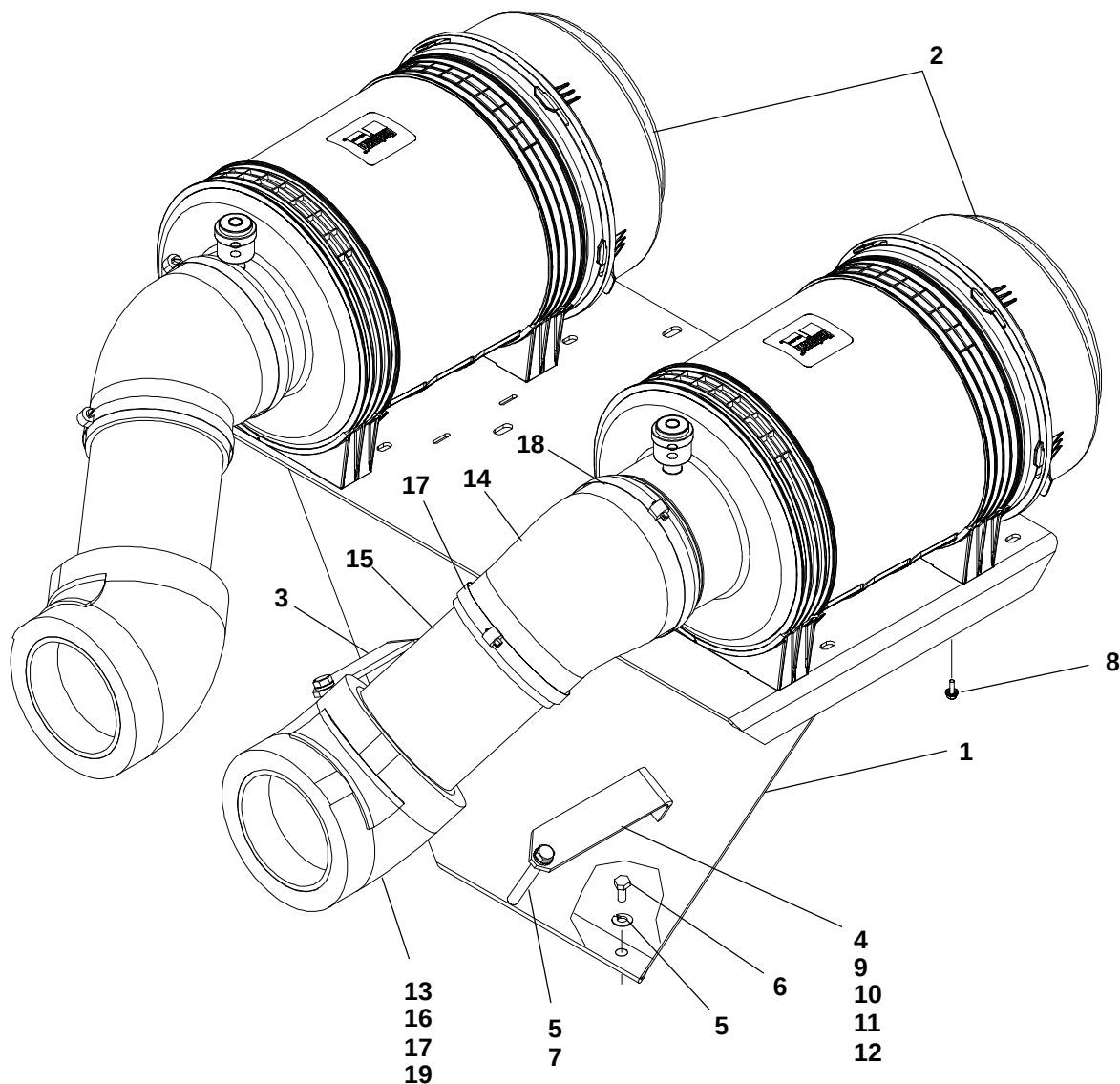


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External Engine Parts

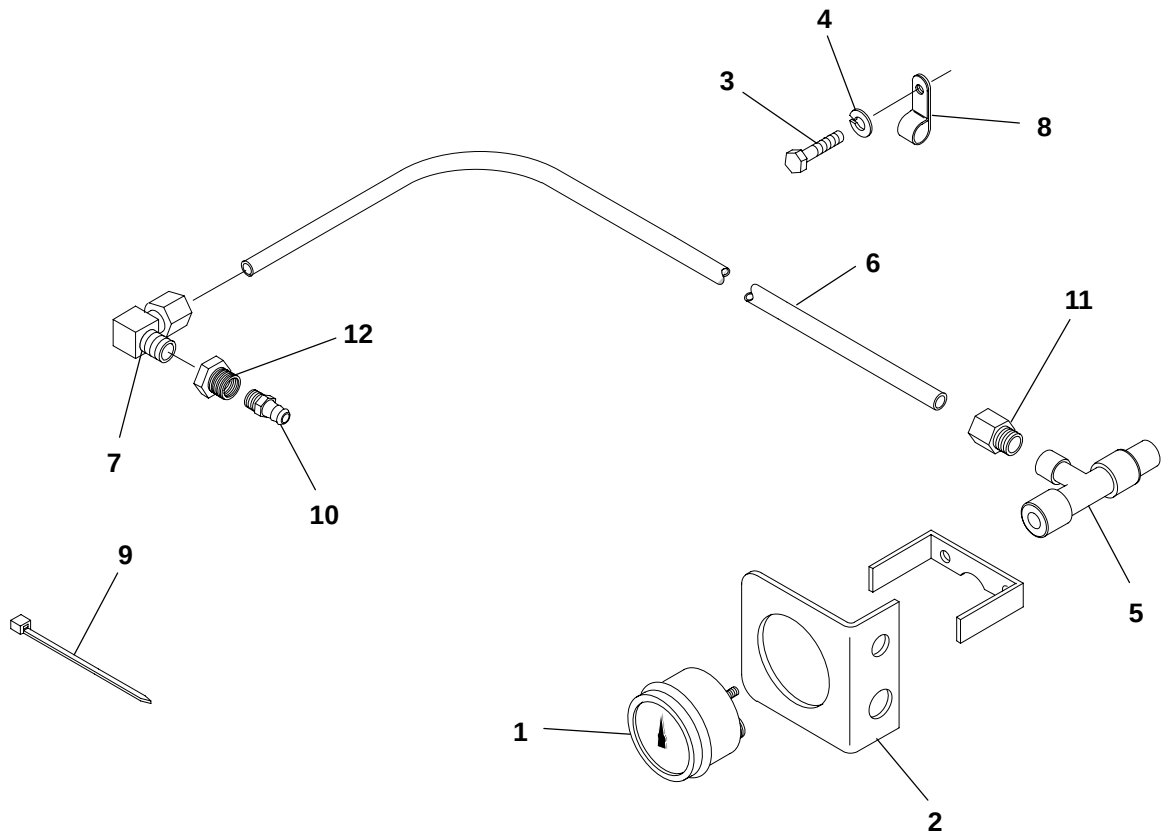
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	193-0432	3	Sender, Oil Temperature (S2 Engine Block, E4 Oil Pan)	22			Cable, Battery (#2/0)
2	193-0444	1	Sender, Oil Pressure (S1)		416-0446	2	12-1/2" (Jumper)
3	309-0269	1	Switch, Temperature - Low Engine Coolant (S4)		416-0964	2	35"
					416-0639	2	60"
4	505-0019	2	Bushing, Pipe - Reducer (1/2" to 3/8")	23	503-0249	-	Hose - Bulk (Order by the Foot - 3 Feet Required)
5	307-2621-02	1	Solenoid, Pilot (K4)	24	800-0090	3	Screw, Cap - Hex Head (1/2-13 x 1")
6	856-0010	3	Washer, Lock - EIT (3/8")	25	800-0052	1	Screw, Cap - Hex Head (3/8-16 x 1-1/2")
7	319-2236	1	Bracket, Mounting	26	821-0029	3	Screw, Locking - Hex Washer Head (3/8-16 x 3/4")
8	402-0610	2	Isolator, Vibration				
9	812-0067	2	Screw, Machine - Round Head (#6-32 x 7/8")	27	800-0093	1	Screw, Cap - Hex Head (1/2-13 x 1-3/4")
10	870-0212	4	Nut, Locking (1/4-20)	28	850-0060	1	Washer, Lock - Spring (1/2")
11	151-0411	1	Pickup, Magnetic	29	856-0013	4	Washer, Lock - EIT (1/2")
12	102-1335	1	Plug, Oil Drain	30	850-0050	1	Washer, Lock - Spring (3/8")
13	332-2634	2	Clamp, "J"	31	862-0016	1	Nut, Hex (1/2-13)
14	508-0292	1	Washer, Sealing - Copper	32	503-0189	1	Clamp, Hose
15	505-0100	1	Nipple, Pipe - Close (1/2")	33	332-2921	3	Clamp, "J"
16	504-0171	1	Valve, Shutoff	34	870-0183	2	Nut, Hex - W/ET (#6-32)
17	505-0324	1	Nipple, Pipe - Half (3/4" x 2")	35	416-1019	2	Boot, Battery - Red
18	505-1503	1	Adapter, Pipe (1/8")	36	416-1084	1	Boot, Starter - Red
19	505-0021	1	Bushing, Pipe - Reducer (3/4" to 1/2")	37			Line, Flexible Fuel
20	505-0131	1	Bushing, Pipe - Reducer (3/4" to 3/8")		501-0701	1	Fuel In
21	416-0680	1	Cable, Starter (10") (#2/0)		501-0700	1	Fuel Out

Air Cleaner



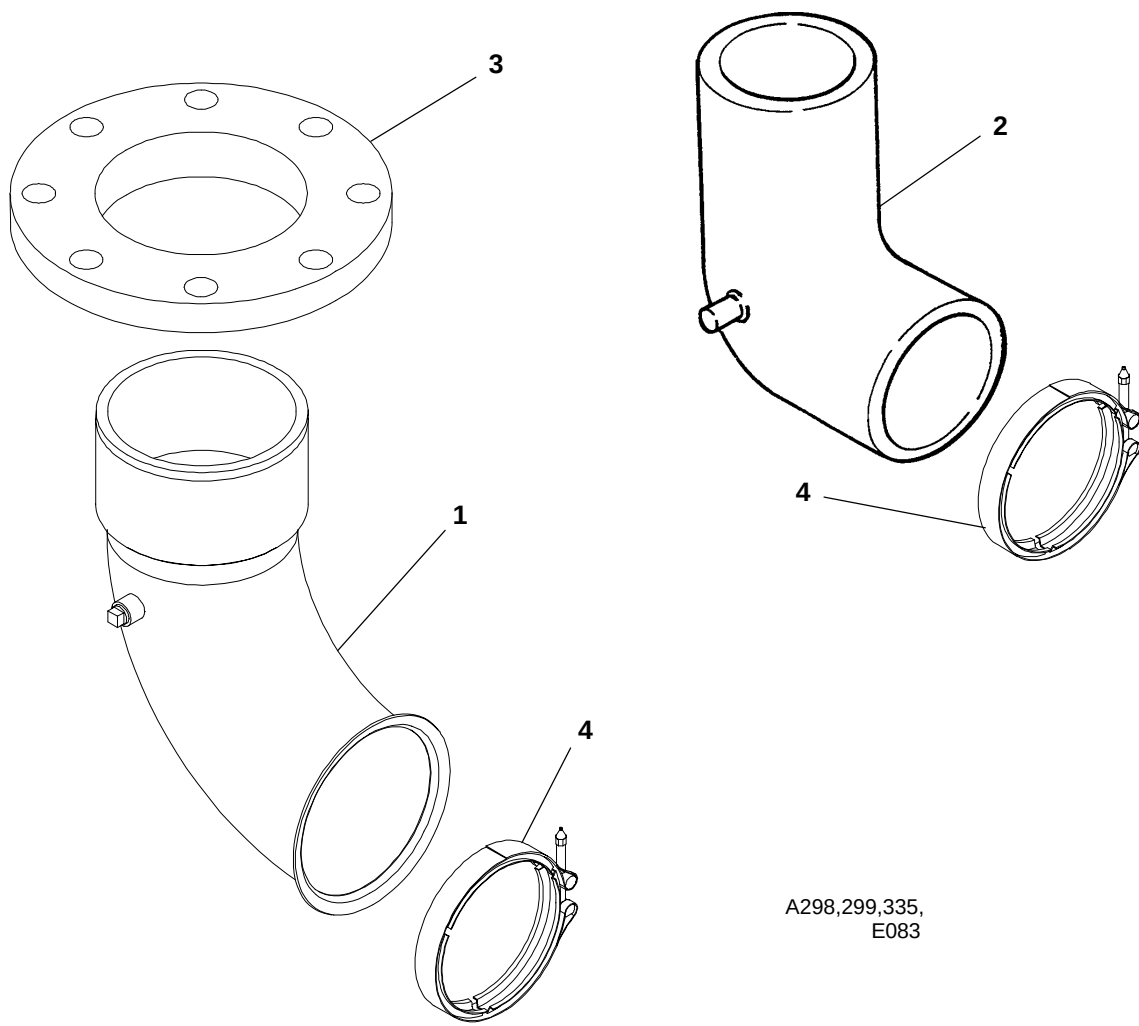
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-3349-02	1	Bracket, Air Cleaner	9	526-0399-64	4	Washer, Flat (M12)
2	140-3288-02	2	Housing, Air Cleaner	10	850-01 14-56	2	Washer, Lock - Split (M12)
3	140-2606-01	1	Bracket, Air Cleaner - Mounting	11	862-0026-57	2	Nut, Hex (M12)
4	140-2606-02	1	Bracket, Air Cleaner - Mounting	12	800-3017-54	2	Screw, Cap - Hex Head (M12 x 1.75 x 30)
5	850-0060	4	Washer, Lock - Split (1/2)	13	503-1722	2	Elbow, Reducer
6	800-0090	2	Screw, Cap - Hex Head (1/2-13 x 1.00)	14	503-1717	2	Elbow, Reducer - 45°
7	800-0102	2	Screw, Cap - Hex Head (1/2-13 x 4.00)	15	140-3444-02	2	Tube, Air Cleaner
8	821-6003-02	8	Screw, Hex Head (M8 x 1.25 x 20)	16	503-1870-1 1	2	Clamp, Hose
				17	503-1870-12	4	Clamp, Hose
				18	503-1870-14	2	Clamp, Hose
				19	155-3700	2	Shield, Heat

Fuel Pressure Gauge



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	193-0128	1	Gauge, Fuel Pressure (0-200 Lbs) (Includes Mounting Hardware)	6	370-4003	1	Tube, Copper (84")
2	193-0029	1	Bracket, Mounting	7	502-0034	1	Elbow, Male Compression - 90°
3	800-0050	2	Screw, Cap - Hex Head (3/8-16 x 1")	8	518-0350	1	Clamp, Insulated
4	850-0050	2	Washer, Lock (3/8")	9	332-1794	5	Tie, Cable
5	504-0064	1	Valve	10	502-1302	1	Adapter, Fuel Line
				11	502-0067	1	Connector, Male
				12	505-0007	1	Bushing, Reducer (1/4 x 1/8)

Exhaust Elbow

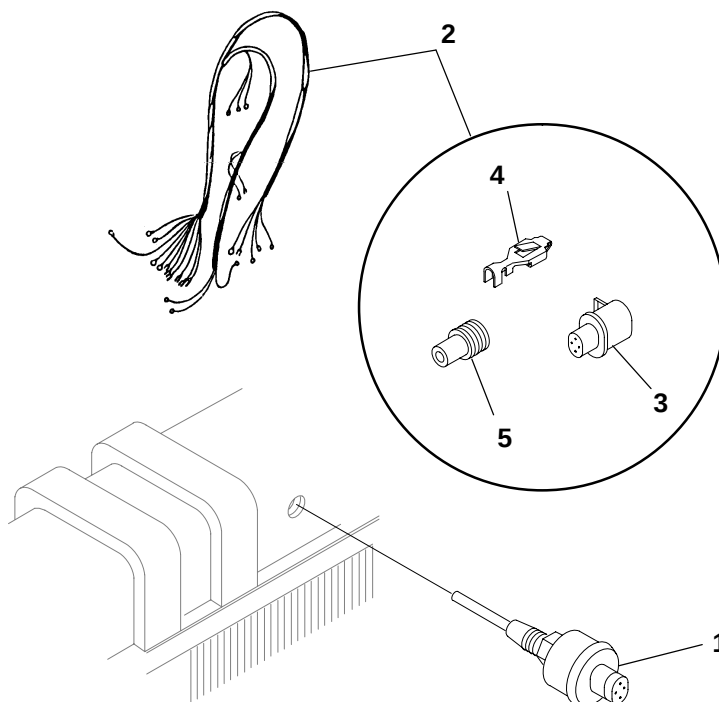


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REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-2409	2	Elbow, Exhaust (5" OD With Threads)
2	155-1241	2	Elbow, Exhaust (5" OD Without Threads)

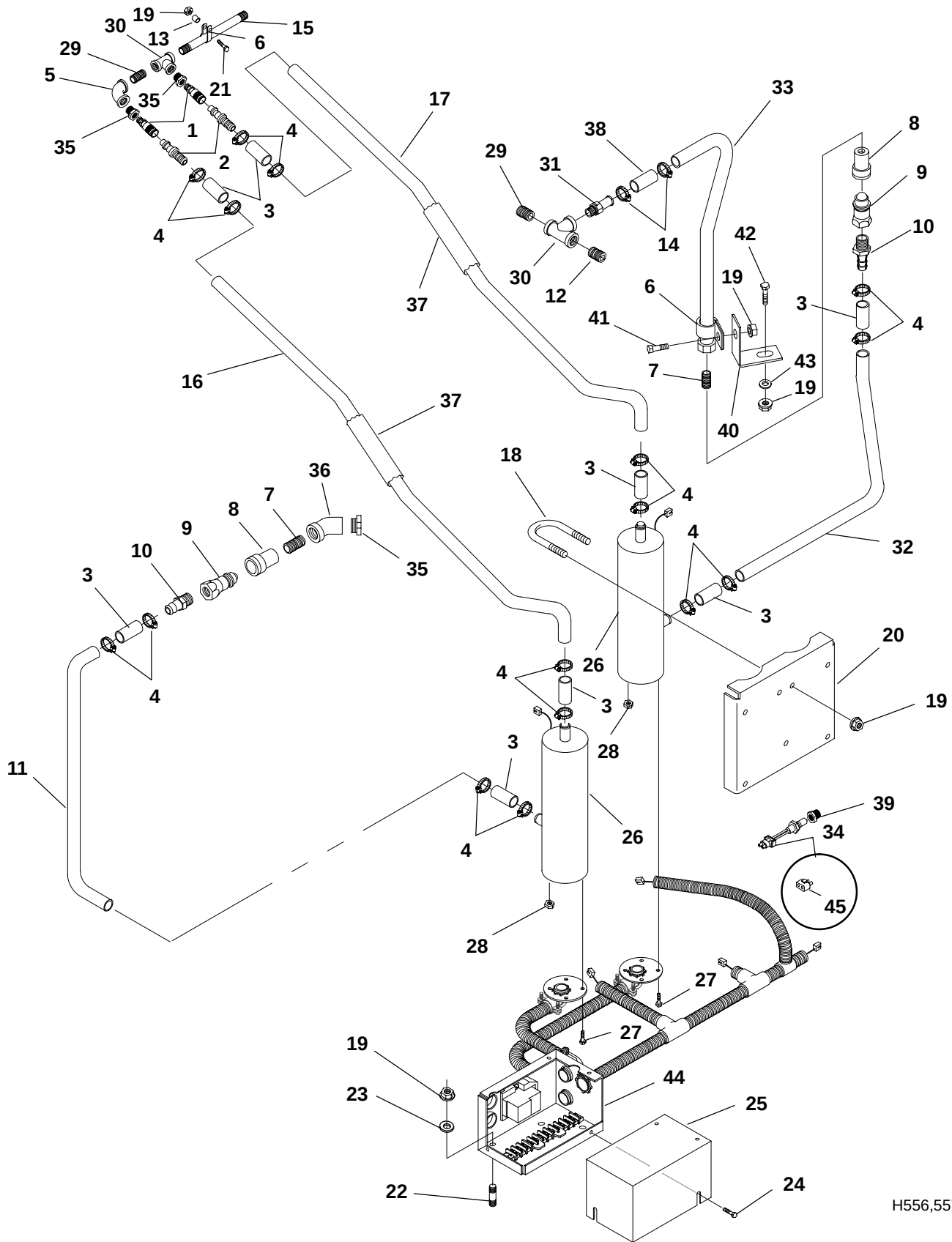
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
3	155-0658	2	Flange, Companion
4	503-1575	2	Clamp, V Band

Low Coolant Level Sender



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	193-0481	1	Sender Assembly - Low Coolant Level (Includes Parts Marked *)	4	323-1709	4	*# Socket, Contact
1	193-0468	1	* Sender, Low Coolant Level (S7)	5	323-1708	4	*# Seal, Cable
2	338-3594	1	* Harness, Wiring - Pigtail - Low Coolant Level Sender (Includes Parts Marked #)				* - Parts Included In 193-0481 Low Coolant Level Sender Assembly
3	323-1765	1	*# Connector, Housing - 4 Pin (S3)				# - Parts Included In 338-3594 Pigtail Wiring Harness

Engine Coolant Heater

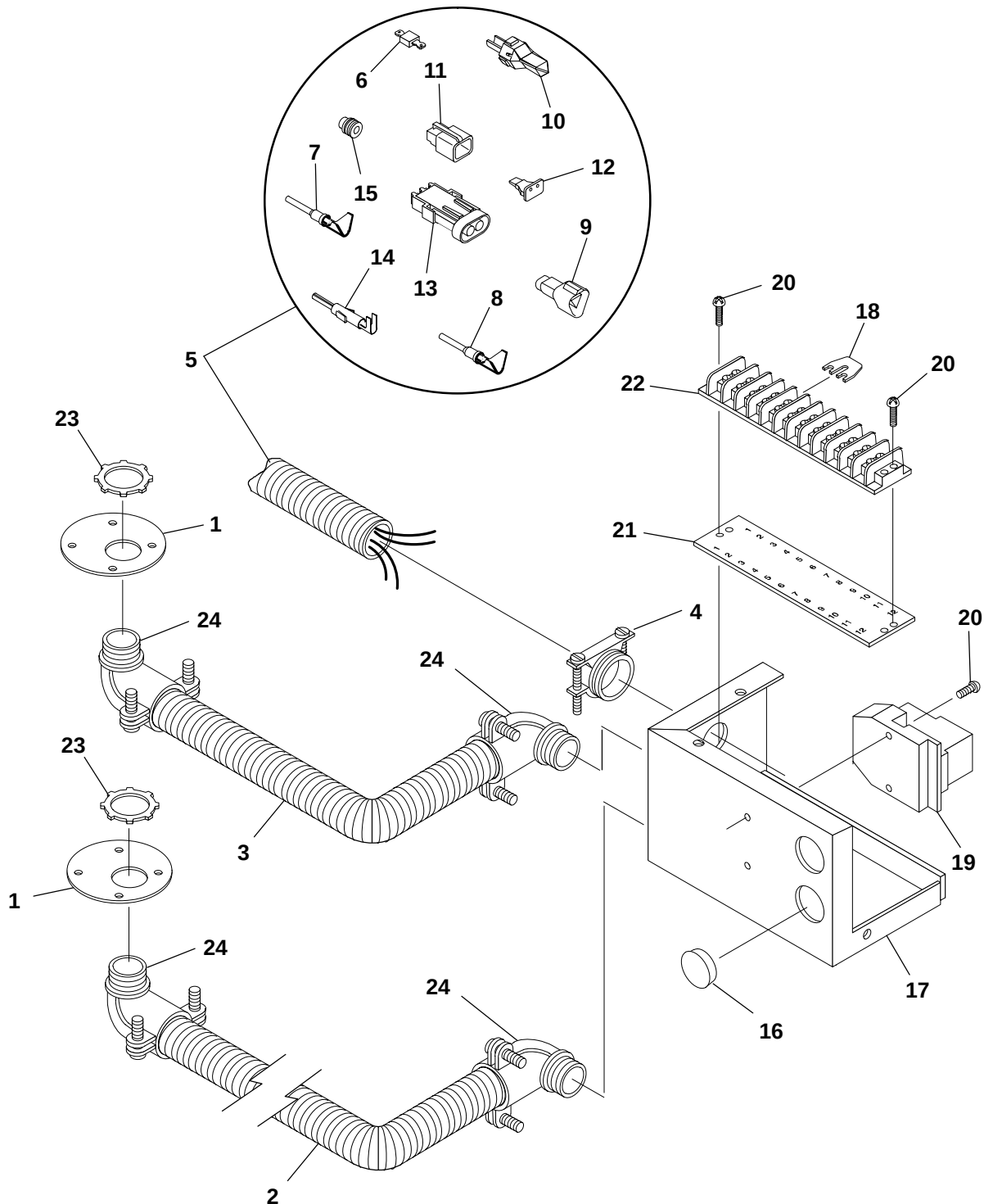


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Engine Coolant Heater

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	502-1259	2	Coupler, Coolant Heater (1/2")	27	815-0539	6	Screw, Machine - Round Head - Cross Recessed W/IT (#8-32 x 5/8")
2	502-1257	2	Connector, Hose Barb (For 3/4" ID Hose)	28	870-0131	6	Nut, Hex - W/ET (#10-32)
3	503-1634-01	8	Hose (3/4" ID x 4")	29	505-0102	2	Nipple, Pipe - Close (3/4")
4	503-2157-01	16	Clamp, Hose	30	505-0166	2	Tee, Pipe (3/4")
5	505-0132	1	Elbow, Pipe - 90° (3/4")	31	502-0971	1	Connector, Hose (1" ID Hose to 3/4" Pipe)
6	518-0548-20	2	Clamp, Hose	32	130-4578	1	Tube
7	505-0100	2	Nipple, Pipe (1/2")	33	130-4580	1	Tube
8	502-1260	2	Coupler, Coolant Heater (1/2")	34	309-0649	1	Thermostat (Includes Connector Socket) (S11)
9	502-1261	2	Nipple, Coolant Heater (1/2")	35	505-0021	3	Bushing, Pipe - Reducer (3/4" to 1/2")
10	502-0827	2	Connector, Hose Barb (3/4" ID Hose to 1/2" Pipe)	36	505-0248	1	Elbow, Pipe - Street - 45° (1/2")
11	130-4581	1	Tube	37	128-0108	-	Insulation, Hose - Bulk (7/8" ID) (Order By The Foot - 10 Feet Required)
12	505-0253	1	Plug, Pipe - Countersunk (3/4)	38	503-1634	1	Hose (1" ID x 4")
13	191-2034-01	1	Spacer, Mounting (3/4" ID x 1-1/2")	39	502-1337	1	Bushing, Pipe - Reducer (3/4" to 3/8")
14	503-1872-01	2	Clamp, Hose	40	130-3861	1	Bracket, Mounting
15	505-0363	1	Nipple, Pipe (3/4" x 12")	41	821-5004-03	1	Screw, Self-Locking - Hex Washer Head (3/8-16 x 1")
16	130-4576	1	Tube	42	800-0053	1	Screw, Cap - Hex Head (3/8-16 x 1-3/4")
17	130-4577	1	Tube	43	526-0245	1	Washer, Flat (3/8")
18	155-3021	2	Clamp, Mounting	44		1	Control Assembly, Engine Coolant Heater (See Separate Page For Components)
19	870-0550-09	9	Nut, Flange Head (3/8-16)	45	323-1637	1	Socket, Connector (2 Place)
20	130-4582	1	Bracket, Mounting				
21	800-0055	1	Screw, Cap - Hex Head (3/8-16 x 2-1/4")				
22	520-0544	2	Stud, Mounting (3/8-16 x 1-3/16")				
23	526-0128	2	Washer, Flat (3/8")				
24	821-5002-03	4	Screw, Self-Locking - Hex Washer Head (1/4-20 x 1/2")				
25	319-2815	1	Cover, Box				
26			Heater, Engine Coolant				
	333-0639-01	2	4990 Watt				
	333-0639-02	2	6420 Watt				

Engine Coolant Heater Control

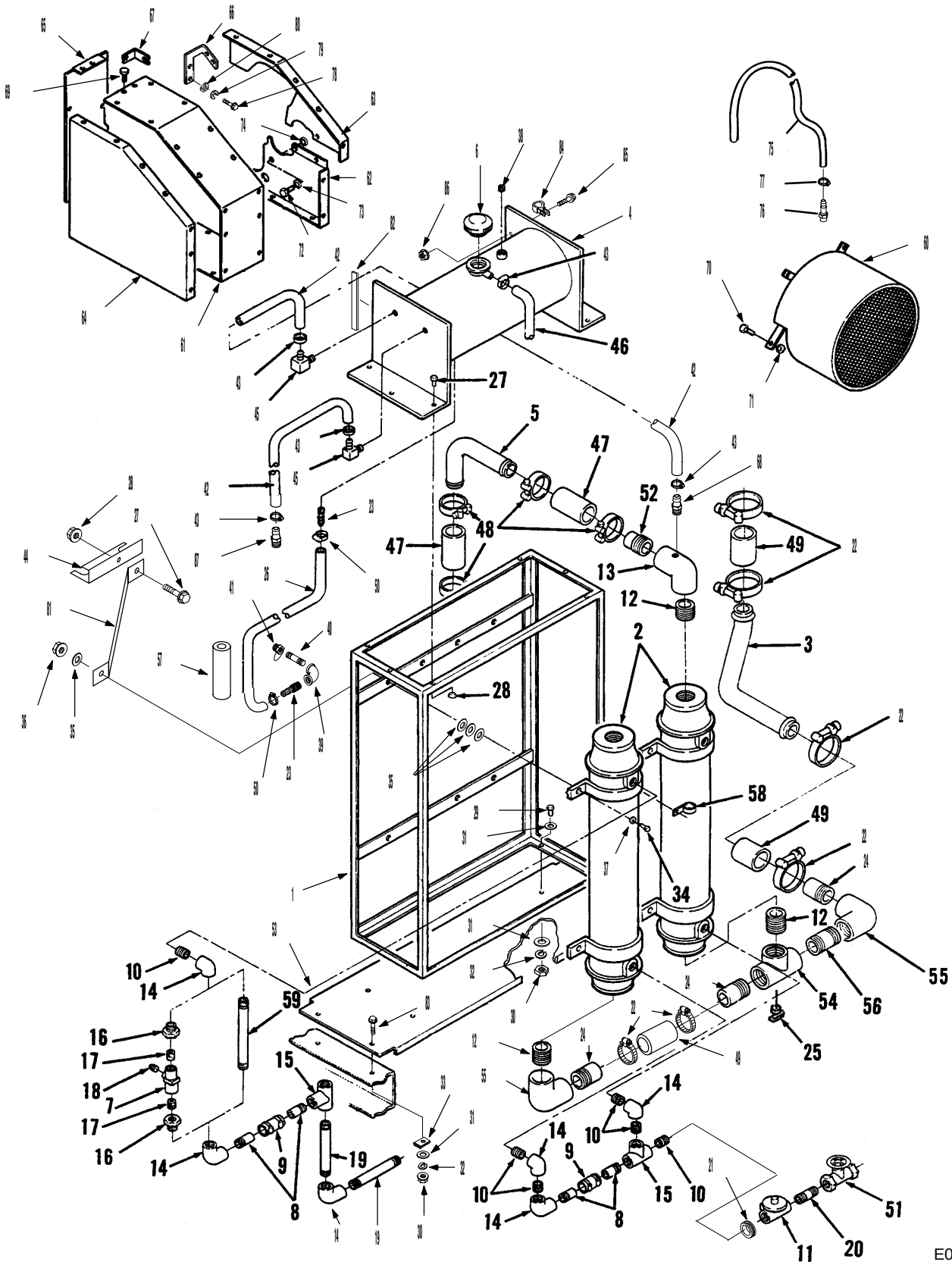


Engine Coolant Heater Control

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-4552	2	Cover, Coolant Heater	10	323-1502	1	*Wedge, Receptacle (Used With J3)
2	338-4105-03	1	Harness, Wiring - AC (From Coolant Heater Bottom To Lower Mounting Hole On Coolant Heater Control Box) (Includes Conduit Connectors)	11	323-1504	2	*Connector, Plug (2 Pin) (P4, P5)
3	338-4105-04	1	Harness, Wiring - AC (From Coolant Heater Bottom To Upper Mounting Hole On Coolant Heater Control Box) (Includes Conduit Connectors)	12	323-1500	2	*Wedge, Plug (Used With P4, P5)
4	331-0042	1	Connector, Wiring - DC - Romex (3/4")	13	323-1652	1	*Connector, Plug - 2-Way (2 Pin) (P11)
5	338-3388	1	Harness, Wiring - DC (From Engine Coolant Heater Control Box To Engine Coolant Heaters, Engine And Main Engine Harness) (Includes Parts Marked *)	14	323-1718	2	*Pin, Contact (Used In P11)
6	357-0030	1	*Rectifier (6 Amp) (Located at K11 end of harness) (CR1)	15	323-1576	2	*Seal, Cable (Used With P11)
7	323-1491	3	*Pin, Contact (Used In J3)	16	517-0138-02	2	Plug, Hole (Fits 1-1/8" Hole)
8	323-1492	4	*Socket, Contact (Used In P4, P5)	17	319-2814	1	Box, Terminal
9	323-1494	1	*Connector, Receptacle (3 Pin) (J3)	18	332-3440	2	Jumper, Terminal
				19	307-2859	1	Relay, Power - 24VDC (K11)
				20	815-0464	4	Screw, Machine - Round Head - Cross Recessed W/IT - Thread Forming (#8-32 x 1.0)
				21	332-1469	1	Strip, Marker
				22	332-1468	1	Block, Terminal - 12 Place (TB1)
				23	331-0555	6	Nut, Connector Lock (3/4-14)
				24	331-0554	4	Connector, Conduit - 90 Deg (3/4")

* - Parts Included in 338-3388 DC Wiring Harness

Heat Exchanger



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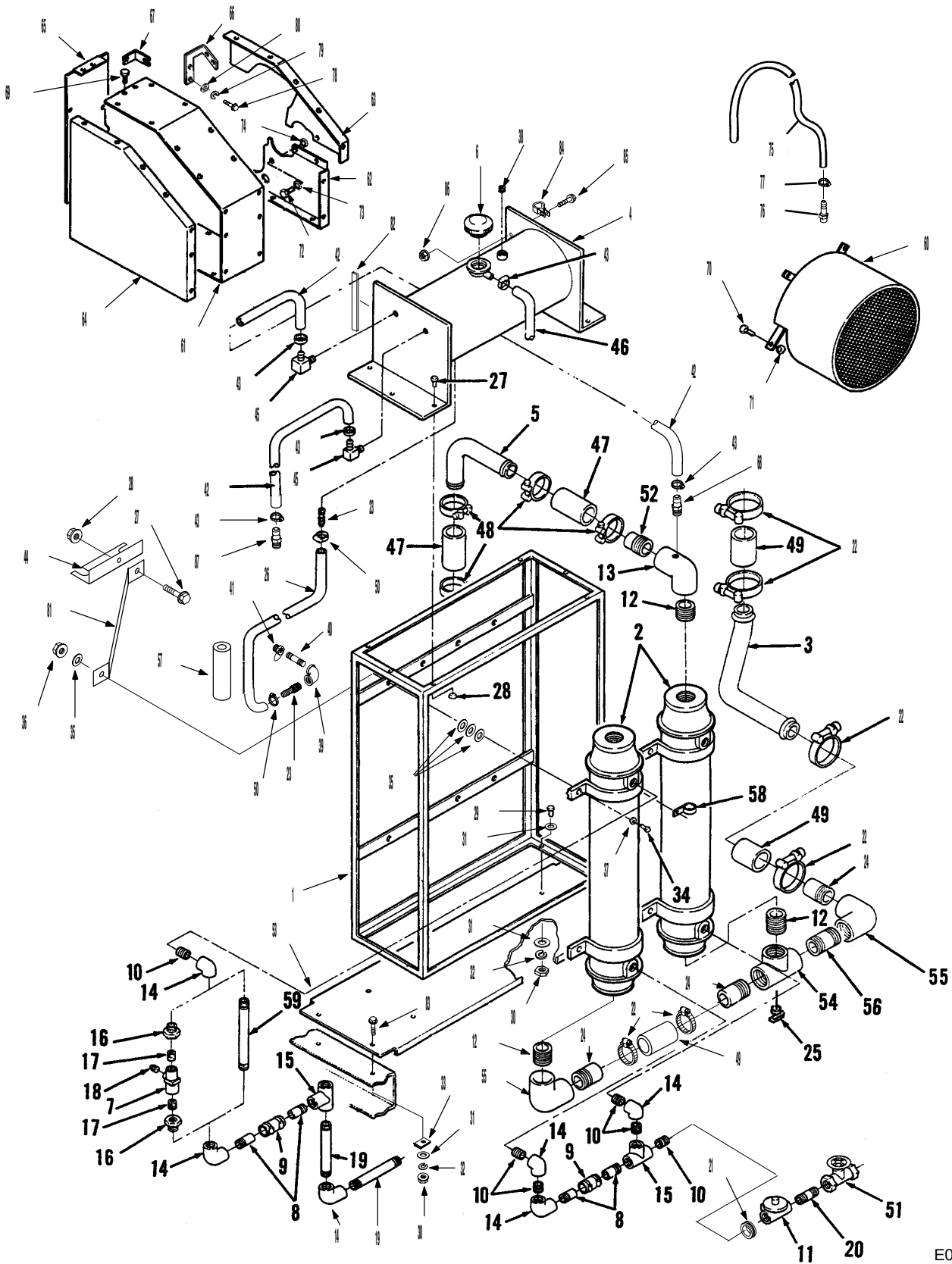
Heat Exchanger

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

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

Continued...

Heat Exchanger

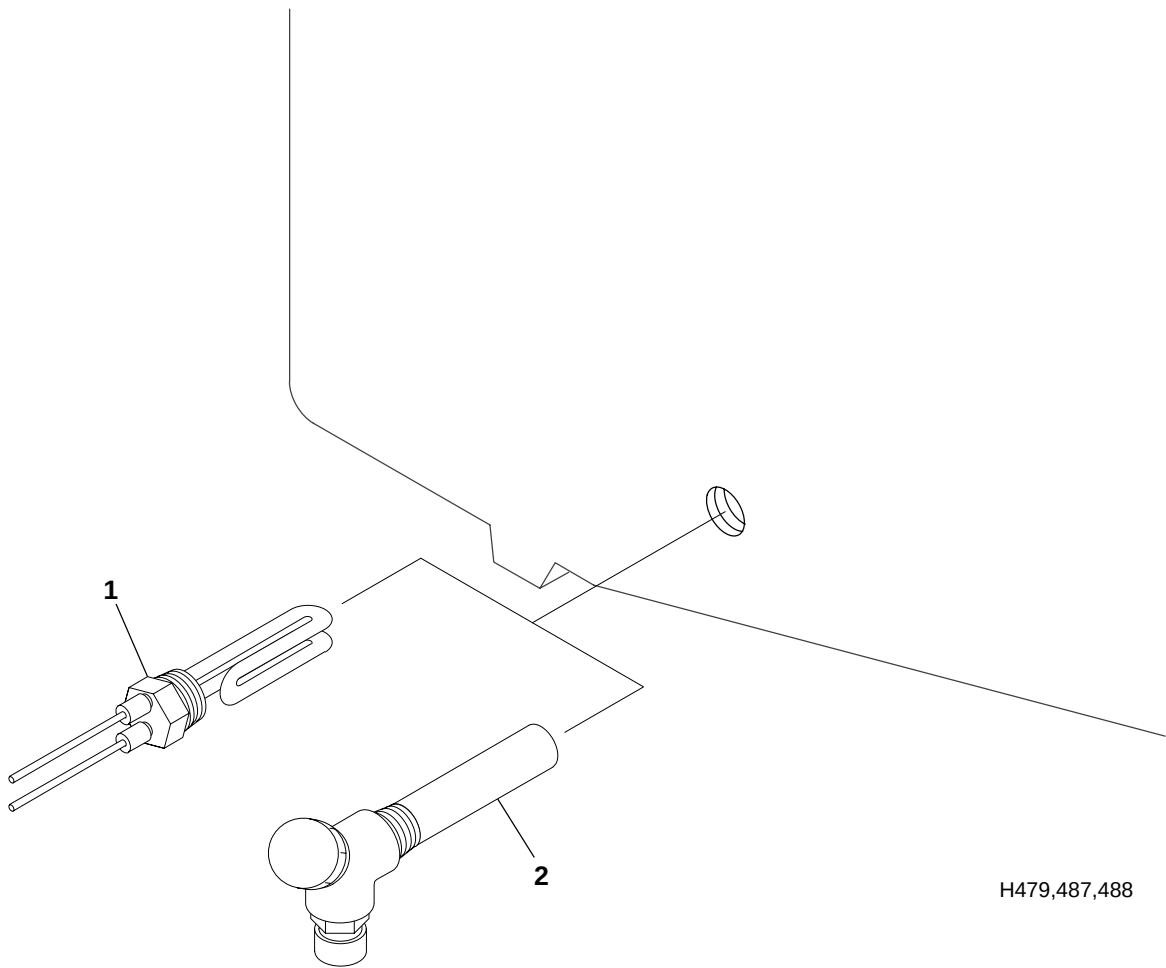


E079

Heat Exchanger

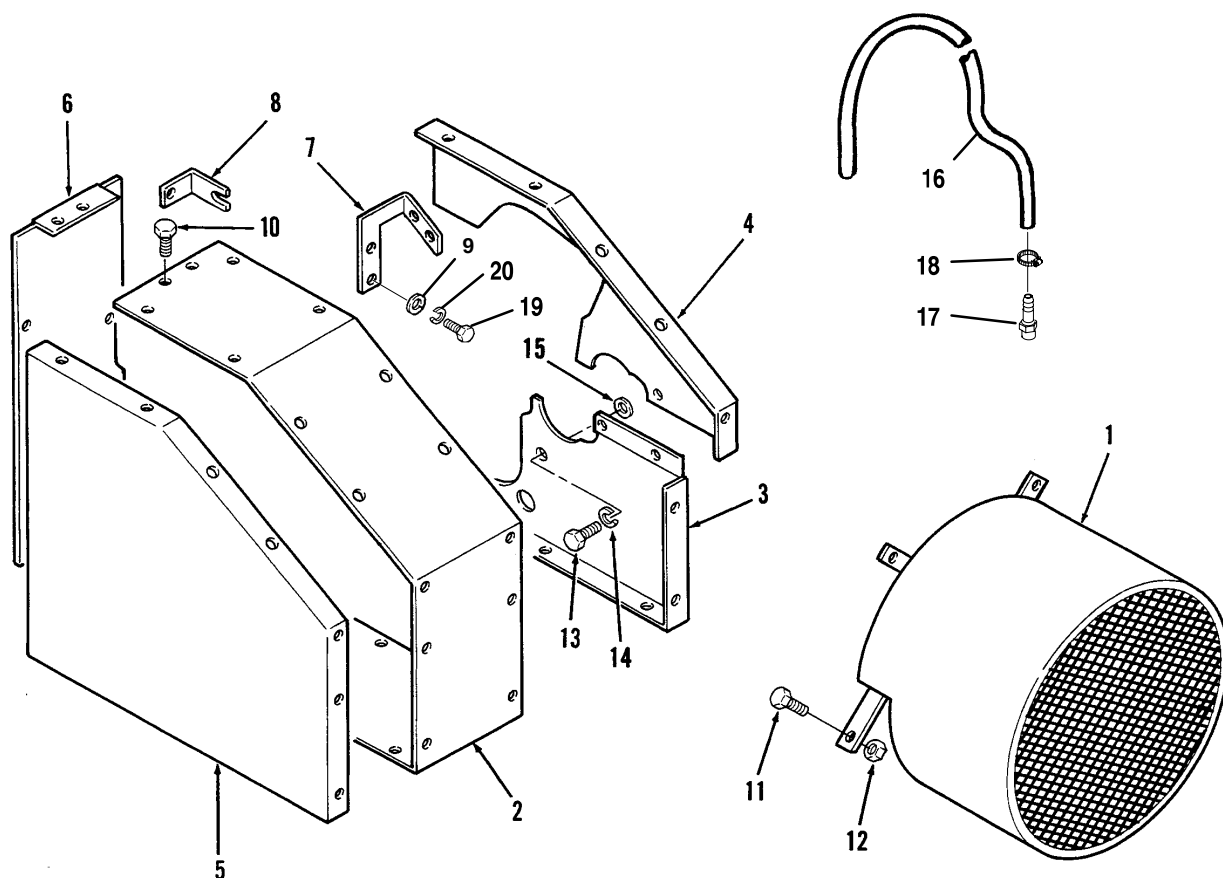
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
Continued...							
54	505-1466	1	Tee, Pipe (3")	75	503-1418	-	Hose - Bulk (1/4" ID) (Order By The Foot - 10 Feet Required)
55	505-0453	2	Elbow, Pipe - 90 Deg (3")				
56	505-0660	1	Nipple, Pipe - Short (3" ID x 3-1/2")	76	502-0395	4	Connector, Hose (1/8" Pipe to 1/4" ID Hose)
57	128-0135	-	Insulation, Hose - Bulk (1-1/8" ID) (Order By The Foot - 2 Feet Required)	77	503-0685	4	Clamp, Hose
58	332-2921	2	Clamp, "J"	78	800-0052	2	Screw, Cap - Hex Head (3/8-16 x 1-1/2")
59	505-0749	2	+ Nipple, Pipe (2" ID x 10-1/2")	79	850-0050	2	Washer, Lock - Spring (3/8")
60	130-1182-01	1	Guard, Damper	80	526-0030	2	Washer, Flat (3/8")
61	130-3843	1	Guard, Belt - Right Side	81	130-4019	2	Brace
62	130-3844	1	Guard, Belt - Bottom Back	82	508-0239	-	Edging - Bulk (Order By The Foot - 1 Foot Required)
63	130-3845	1	Guard, Belt - Top Back				
64	130-3842	1	Guard, Belt - Front	83	800-0093	4	Screw, Cap - Hex Head (1/2-13 x 1-3/4")
65	130-3846	1	Guard, Belt - Left Side	84	332-2634	2	Clamp, "J"
66	130-3849	1	Bracket	85	821-0016	2	Screw, Self-Locking - Hex Washer Head (5/16-18 x 3/4")
67	130-3847	1	Bracket - L-Shaped				
68	502-0395	4	Connector, Hose	86	870-0257	2	Nut, Locking (5/16-18)
69	821-5002-03	31	Screw, Self-Locking - Hex Washer Head (1/4-20 x 1/2")				
70	821-5004-03	2	Screw, Self-Locking - Hex Washer Head (3/8-16 x 1")	* - Parts Used On Heat Exchanger Installations With Automatic Water Regulator # - Cut Off And Discard Swivel Connector End Of Hose So That 1/8 NPT Connector End Measures Length As Indicated Above + - Parts Used On Heat Exchanger Installations Without Automatic Water Regulator			
71	870-0281	2	Nut, Locking (3/8-16)				
72	800-0056	2	Screw, Cap - Hex Head (3/8-16 x 2-1/2")				
73	850-0050	2	Washer, Lock - Spring (3/8")				
74	526-0174	4	Washer, Flat (3/8") (Used As Spacers)				

Oil Pan Heater



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

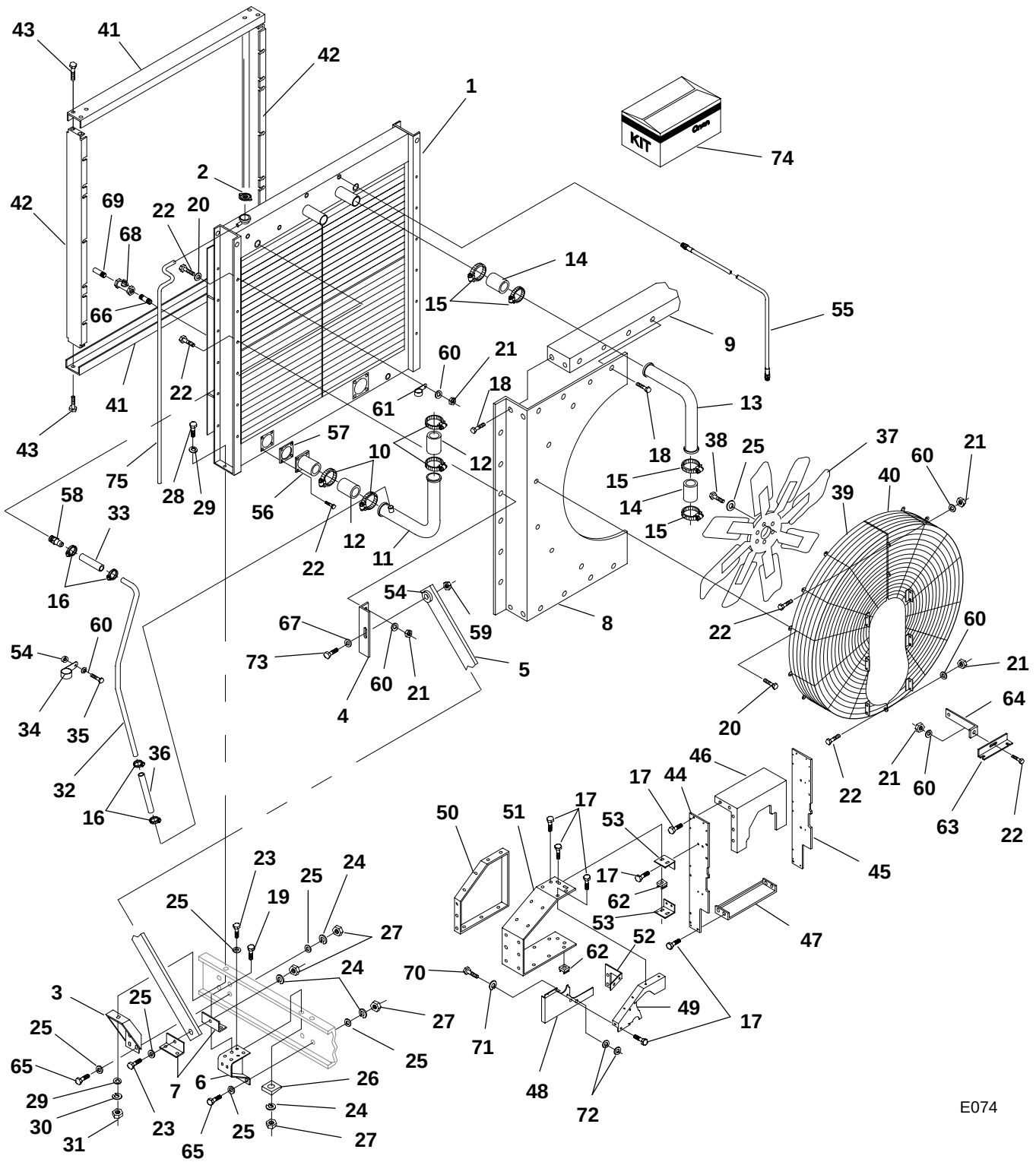
Remote Radiator



E043

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

Radiator

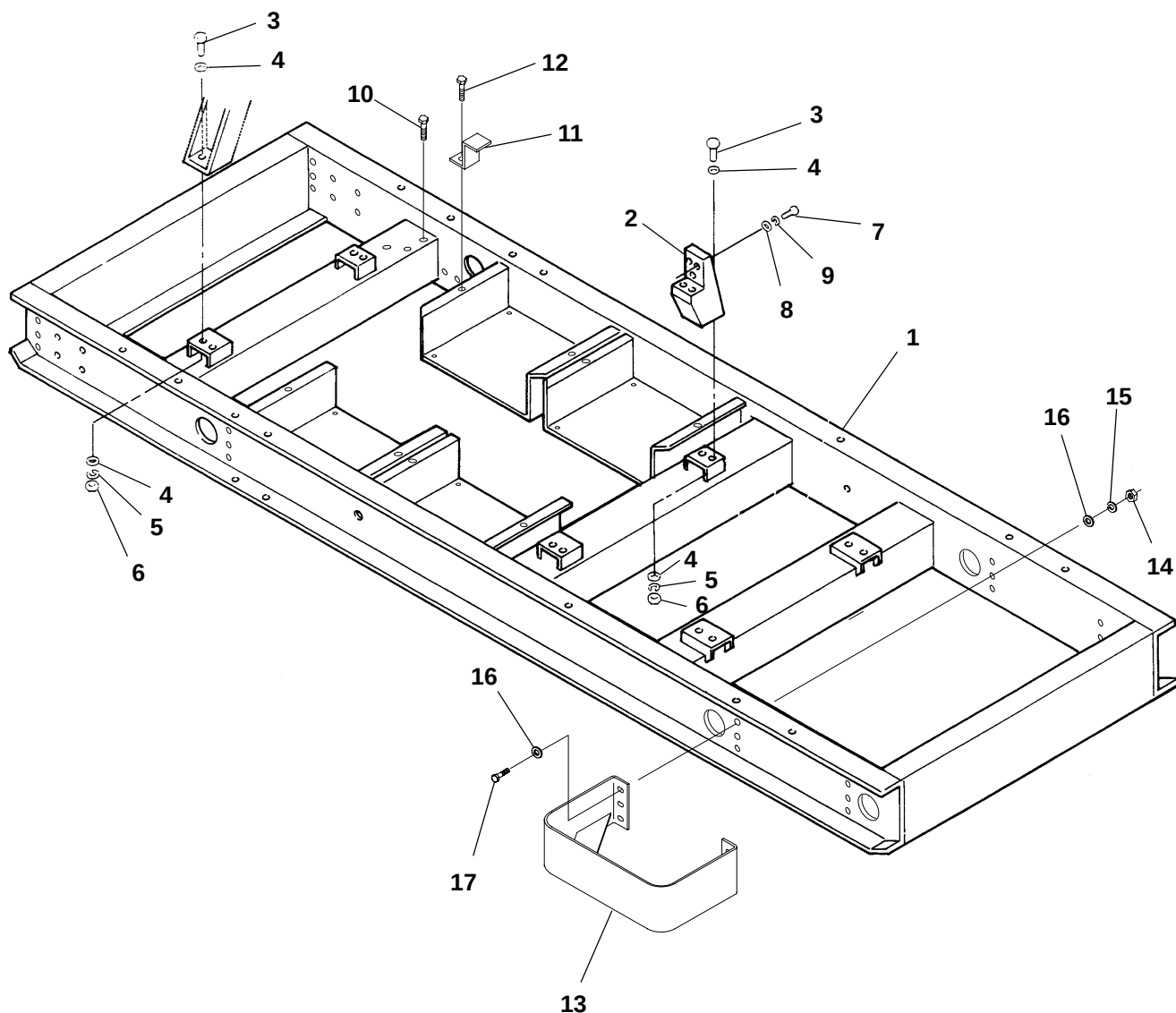


E074

Radiator

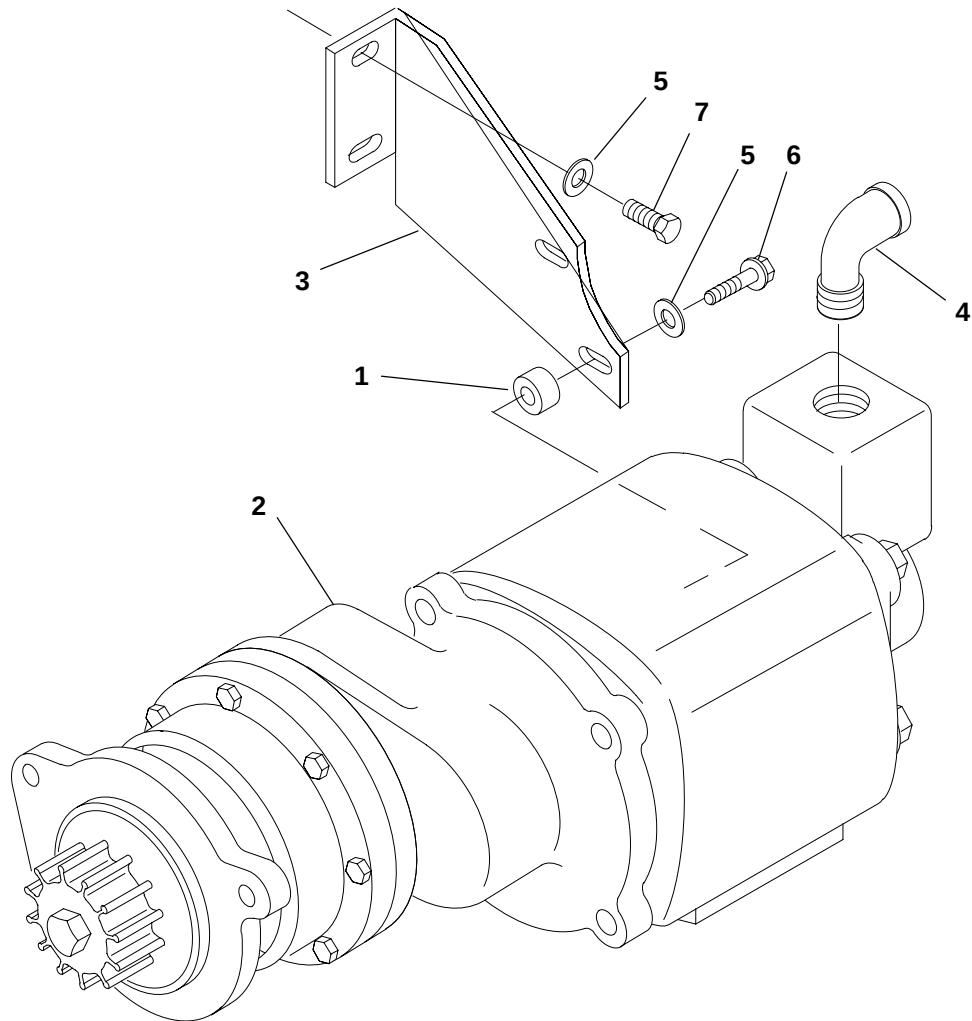
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-4354	1	Radiator (Includes Cap, Sight Gauge And Overflow Hose) (Also Includes Cover Plates, Gaskets, Screws And Lock Washers For All Water Outlets)	37	130-5679		Fan, Radiator
				38	800-0588	6	Screw, Cap - Hex Head (1/2-13 x 7.0)
				39	130-3832-01	1	Guard, Fan - Right Side
				40	130-3832-02	1	Guard, Fan - Left Side
				41	130-1419	2	Flange, Radiator - Top and Bottom
2	130-3588	1	Cap, Radiator	42	130-3215	2	Flange, Radiator - Sides
3	130-3836	2	Bracket, Support	43	821-0010	8	Screw, Self-Locking - Hex Washer Head (1/4-20 x 1/2")
4	130-3701	2	Bracket, Support				
5	130-3702	2	Support, Radiator	44	130-3839-01	1	Guard, Belt - Right Side
6	130-3644	2	Support	45	130-3839-02	1	Guard, Belt - Left Side
7	130-3700	4	Bracket	46	130-3840	1	Guard, Belt - Top
8	130-5650-02	2	Wrapper, Fan	47	130-3841	1	Guard, Belt - Bottom
9	130-5649-02	2	Shroud, Fan	48	130-3844	1	Guard, Belt - Bottom Back
10	503-1872-07	4	Clamp, Hose	49	130-3845	1	Guard, Belt - Top Back
11	130-4659	1	Tube, Radiator - Outlet	50	130-3842	1	Guard, Belt - Front
12	503-0856	2	Hose, Radiator - Lower (3-1/2" ID x 5-1/2")	51	130-3843	1	Guard, Belt - Side
13	130-1206	2	Tube, Radiator - Inlet	52	130-3849	1	Bracket
14	503-1728	4	Hose, Radiator - Upper (3" ID x 5-1/2")	53	130-3848	2	Bracket
15	503-1872-05	8	Clamp, Hose	54	130-3660-01	3	Spacer, Shock Absorber
16	503-1872-01	4	Clamp, Hose	55	501-0585	2	Line, Flexible (1/4" ID x 49")
17	821-5002-03	58	Screw, Self-Locking - Hex Washer Head (1/4-20 x 1/2")	56	130-1222	1	Adapter, Outlet
				57	130-1193	1	Gasket, Outlet Adapter
				58	505-0759	1	Adapter, Pipe to Hose (1" Pipe to 1" Hose)
18	821-5003-01	24	Screw, Self-Locking - Hex Washer Head (5/16-18 x 1/2")	59	870-0437	2	Nut, Locking - Hex Head (7/16-14)
19	815-0384	8	Screw, Thread Forming - Hex Washer Head (3/8-16 x 3/4")	60	526-0399-19	21	Washer, Flat (3/8")
				61	332-2634	2	Clamp, Hose
20	526-0014	8	Washer, Flat	62	870-0494	4	Nut, Captive - Floating (1/4-20)
21	870-0550-09	16	Nut, Locking - Hex (3/8-16)	63	130-3850	1	Angle, Engine
22	821-5004-03	34	Screw, Self-Locking - Hex Washer Head (3/8-16 x 1")	64	130-3851	1	Angle, Stiffener
23	800-0094	6	Screw, Cap - Hex Head (1/2-13 x 2")	65	800-0092	12	Screw, Cap - Hex Head (1/2-13 x 1-1/2")
				66	505-0100	1	Nipple, Pipe (1/2" x 1-1/8")
24	850-0060	18	Washer, Lock - Spring (1/2")	67	526-0141	2	Washer, Flat (7/16")
25	526-0219	24	Washer, Flat (1/2")	68	504-0011	1	Valve, Shutoff
26	403-2733-01	4	Washer, Bevel (1/2")	69	505-0827	1	Hose, Barb (1/2" x 3/4")
27	862-0016	18	Nut, Hex (1/2-13)	70	800-0056	1	Screw, Cap - Hex Head (3/8-16 x 2-1/2")
28	800-0156	2	Screw, Cap - Hex Head (3/4-10 x 2-1/4")	71	850-0050	1	Washer, Lock - Spring (3/8")
29	526-0027	4	Washer, Flat (3/4")	72	526-0174	2	Washer, Flat (3/8") (Used As Spacers)
30	850-0079	2	Washer, Lock - Spring (3/4")				
31	862-0008	2	Nut, Hex (3/4-10)	73	800-0075	2	Screw, Cap - Hex Head (7/16-14 x 2")
32	130-4660	1	Tube, Fill				
33	503-1634	1	Hose (1" ID x 4")	74	130-4362	1	Kit, Gauge - Safety Sight - Radiator (Includes Glass Bulb and O-Ring)
34	518-0548-20	1	Clamp, Hose				
35	800-0053	1	Screw, Cap - Hex Head (3/8-16 x 1-3/4")	75	503-1418	-	Hose, Overflow - Bulk (1/4" ID) (Order By The Foot - 7 Feet Required)
36	503-1779	-	Hose - Bulk (1" ID) (Order By The Foot - 1 Foot Required)				

Skid



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

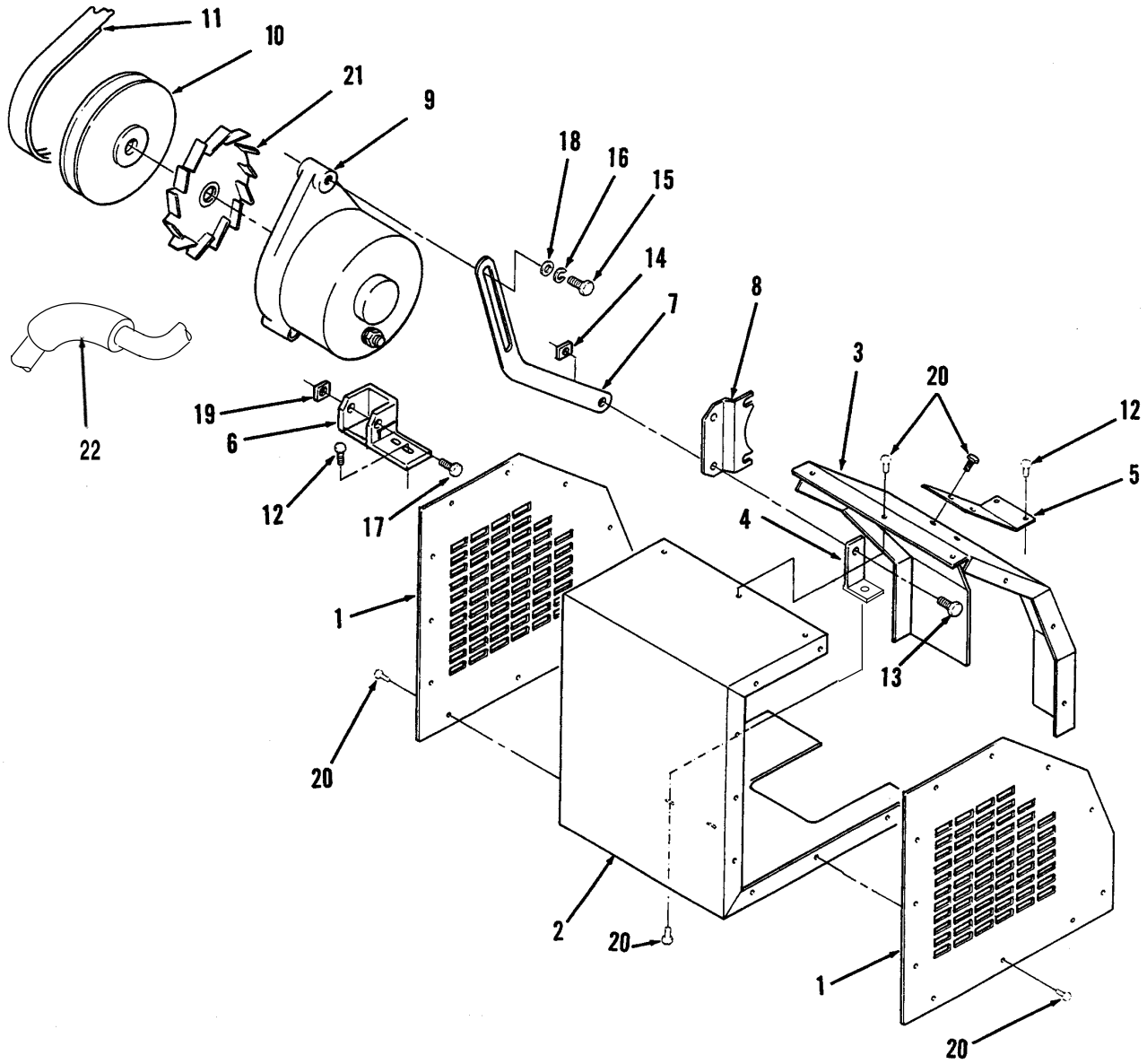
Air Starter



A300

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

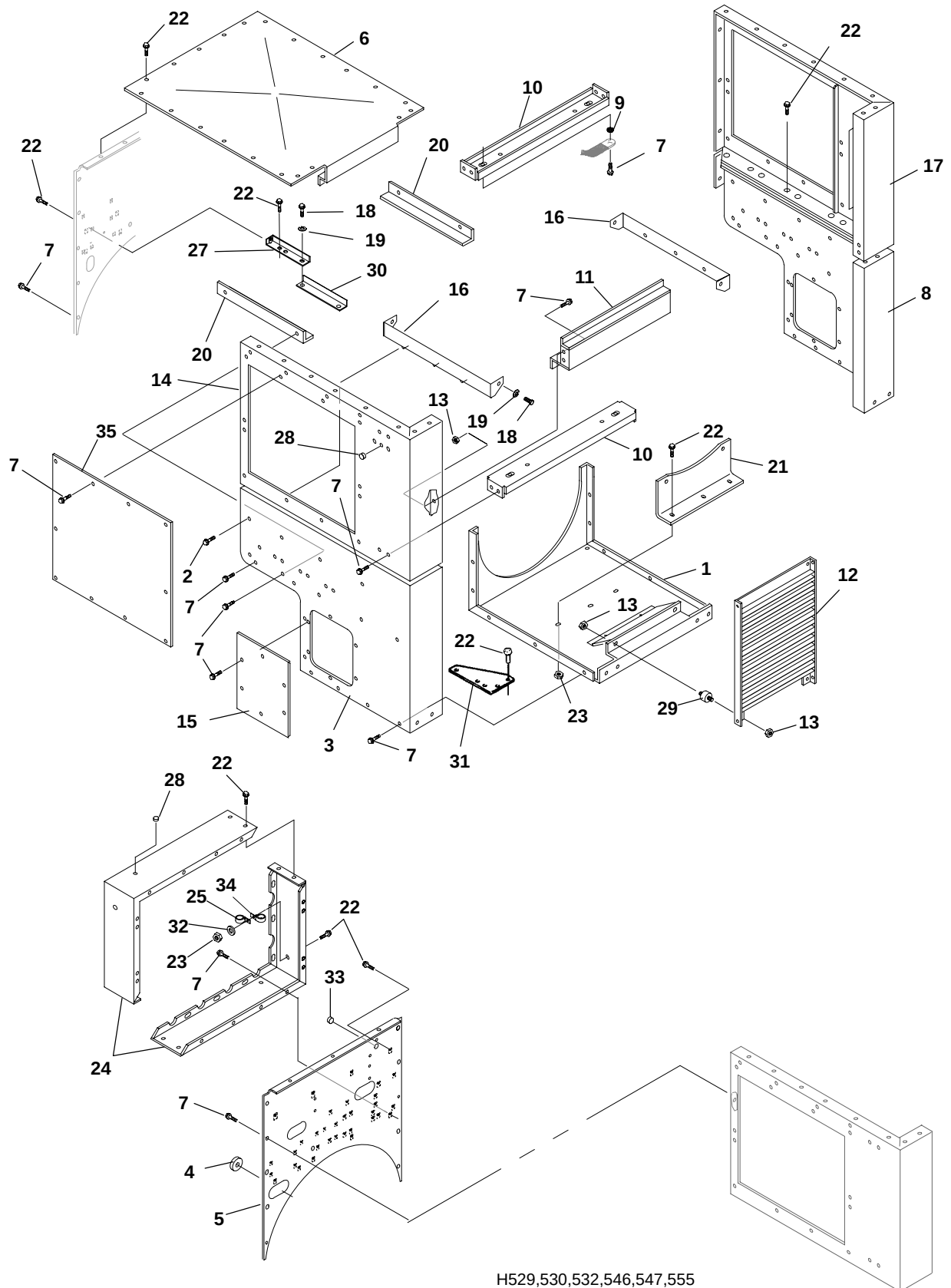
Alternator 45 Amp



Alternator 45 Amp

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

Control Housing

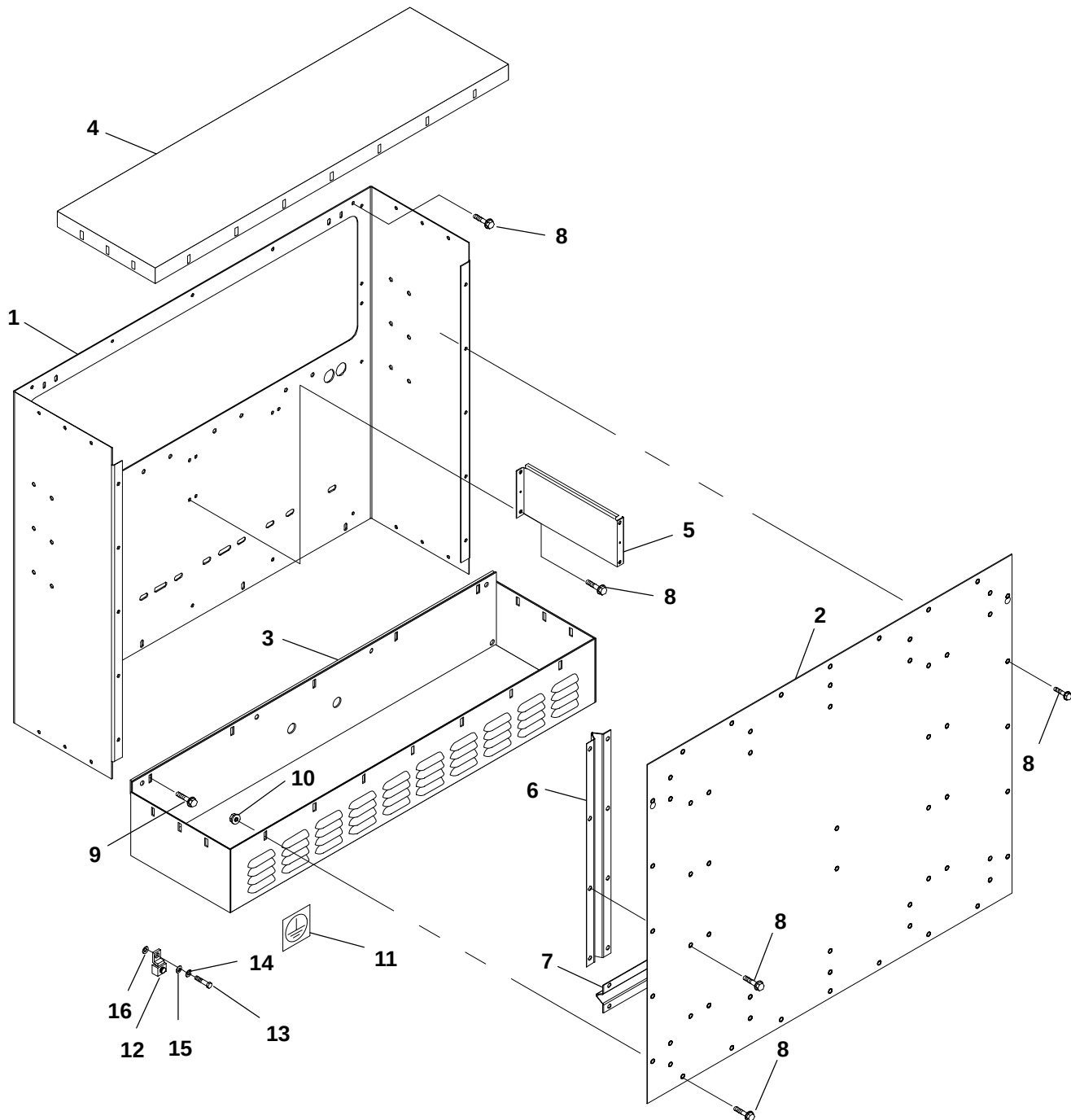


H529,530,532,546,547,555

Control Housing

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3270-03	1	Panel - Bottom	19	850-2010	15	Washer, Lock - Spring (M10)
2	821-6004-01	12	Screw, Self-Locking - Hex Washer Head (M10 x 20mm)	20	319-3260	2	Angle, Housing
3	319-3283-01	1	Panel - Right Side - Bottom	21	319-1091	1	Bracket, Panel
4	508-1090	3	Grommet, Rubber (Fits 3-1/4" Hole)	22	821-6003-02	75	Screw, Self-Locking - Hex Washer Head (M8 x 20mm)
5	319-3276	1	Panel - Front	23	870-2055	2	Nut, Locking (M8)
6	319-1093	1	Cover, Top	24	319-3277	2	Wrapper, Control Box
7	821-6002-03	30	Screw, Self-Locking - Hex Washer Head (M6 x 16mm)	25	332-2634	2	Clamp, "J"
8	319-3283-02	1	Panel - Left Side - Bottom	26	526-0141	10	Washer, Flat (3/8")
9	856-0006	2	Washer, Lock - EIT (1/4")	27	319-3263	1	Angle, Support (5-1/2")
10	319-3258	2	Support, Control Box	28	517-0131	3	Plug, Hole (Fits 3/8" Hole)
11	319-2778	1	Panel - Rear	29	402-0729	4	Isolator, Vibration
12	319-2767	1	Grille	30	319-3269	1	Angle, Support (6-1/2")
13	870-2054	10	Nut, Locking (M6)	31	319-1203-01	2	Gusset
14	319-3281-01	1	Panel - Right Side - Upper	32	526-1 115	2	Washer, Flat (5/16")
15	319-0881	2	Cover, Side - Lower	33	517-0135	1	Plug, Hole (Fits 5/8" Hole)
16	319-3267	2	Bracket, Saddle	34	518-0548-42	2	Clamp, Hose
17	319-3281-02	1	Panel - Left Side - Upper	35			Cover, Side - Upper
18	800-2086	15	Screw, Cap - Hex Head (M10 x 25mm)		319-1095	2	Without Circuit Breaker, Entrance Box or BUS Box
					319-1095	1	With Circuit Breaker, Entrance Box or BUS Box

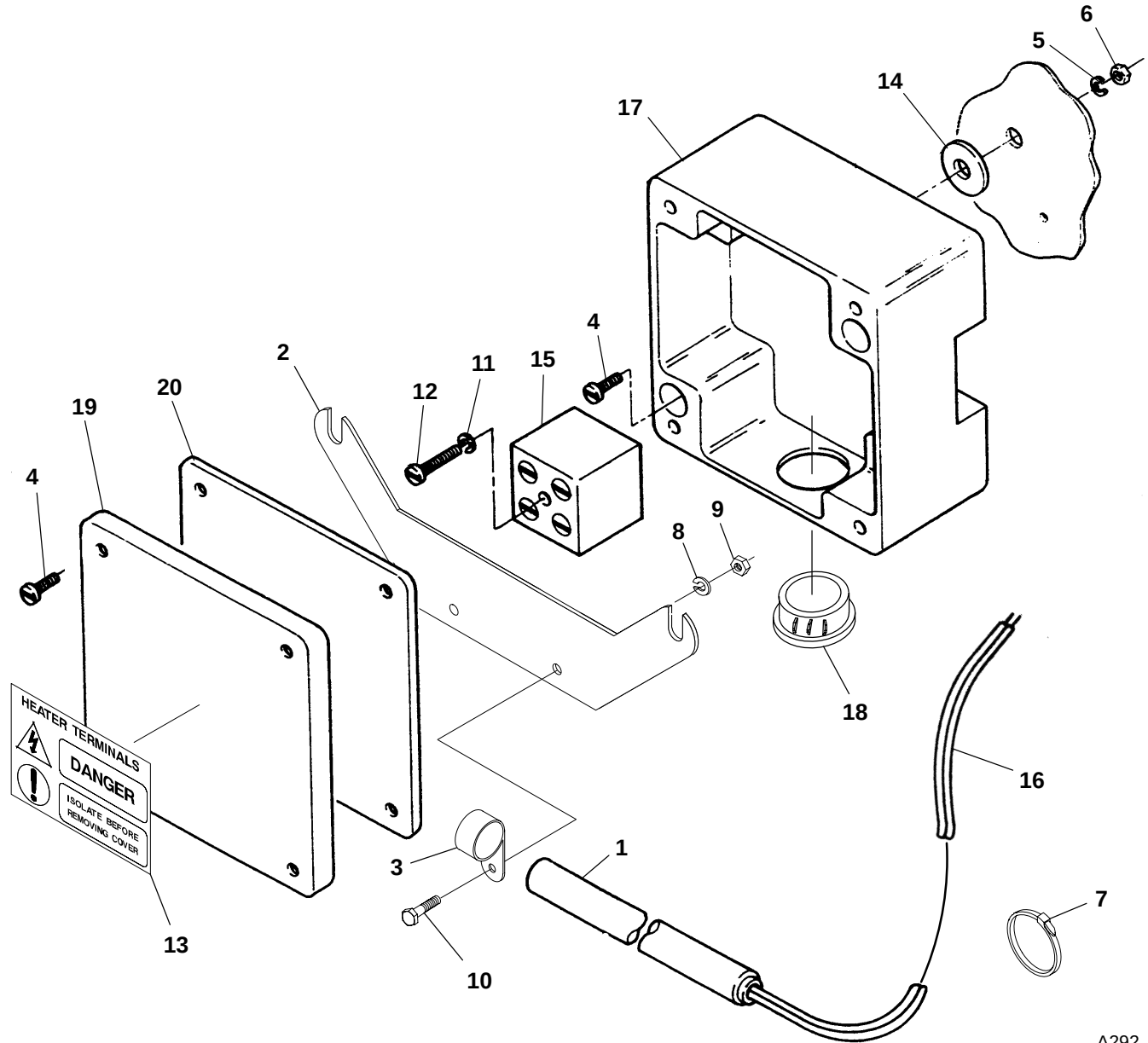
Entrance Box



K882

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

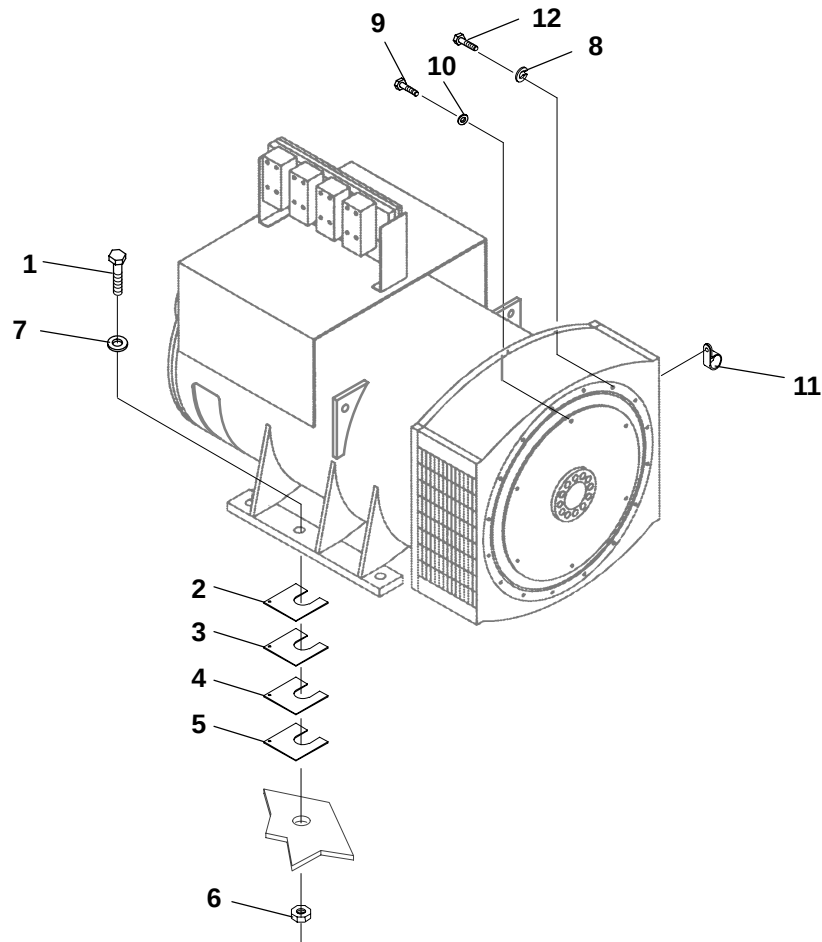
Generator Heater



A292
A293

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

Generator Mounting



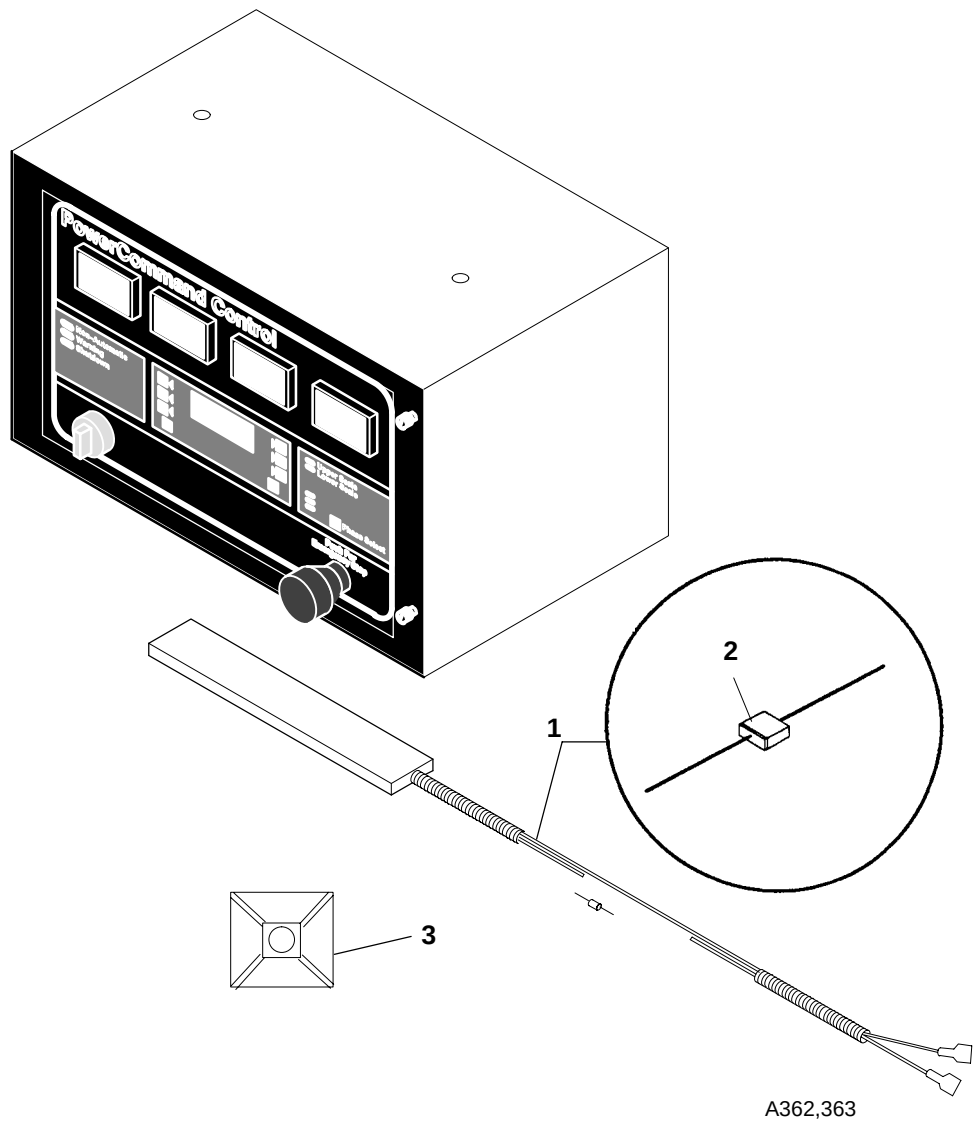
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	800-0303	2	Screw, Cap - Hex Head (1-1/4-7 x 3-1/2")	9	805-0035	6	Bolt, Place (5/8-11 x 1-1/2") Grade 8
2	232-3941-01	4	Shim (2.6mm Thick)	10	526-0416	6	Washer, Flat (5/8")
3	232-3941-02	4	Shim (1.9mm Thick)	11	332-3196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

Generator

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

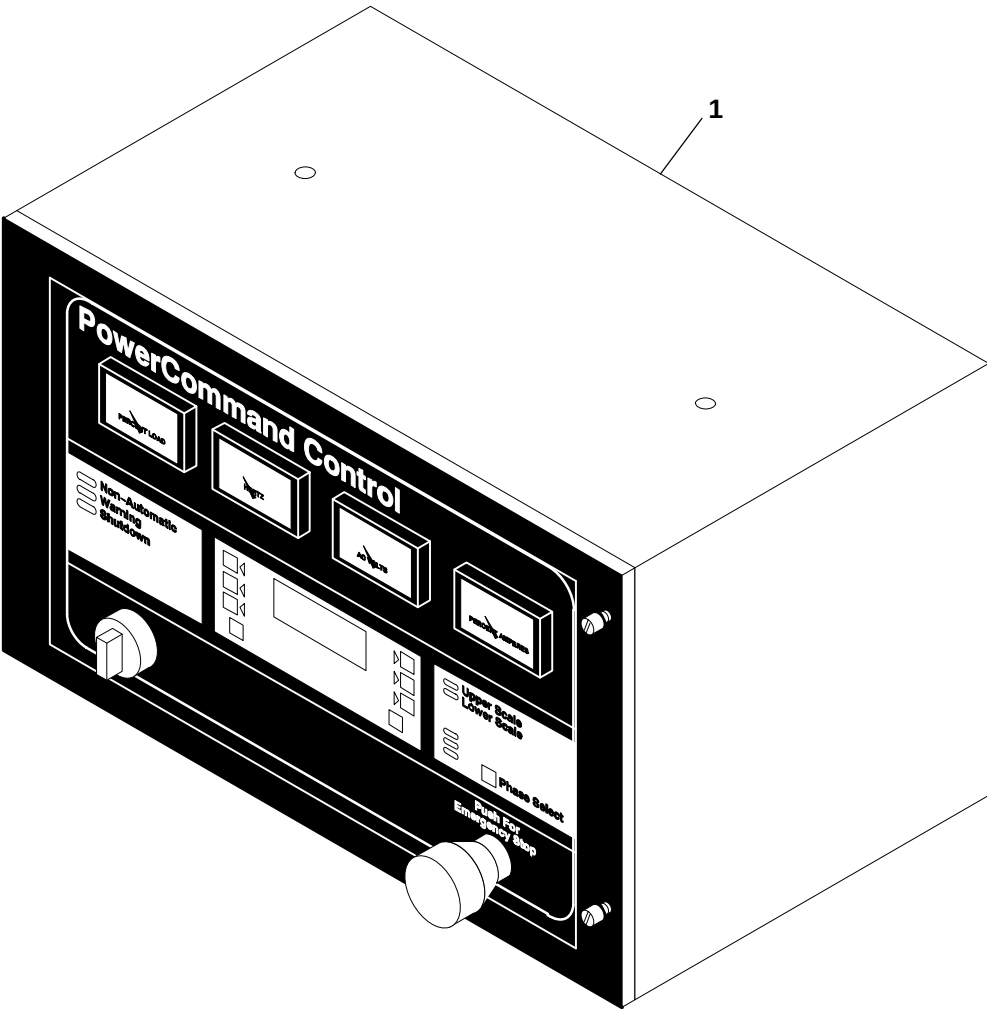
Cummins Power Generation Identification Number	Generator Model Number
200-3051-01	HC634G
200-3051-02	HC634H
200-3051-03	HC634J
200-3052-01	HC634G
200-3052-02	HC634H
200-3052-03	HC634J
200-3053-01	HC634G
200-3053-02	HC634H

Control Heater



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	357-01 14	1	Rectifier (3 Amp)
	300-4515-01	1	120 Volt	3	332-2420	1	Mount, Cable
	300-4515-02	1	240 Volt				

PowerCommand Control

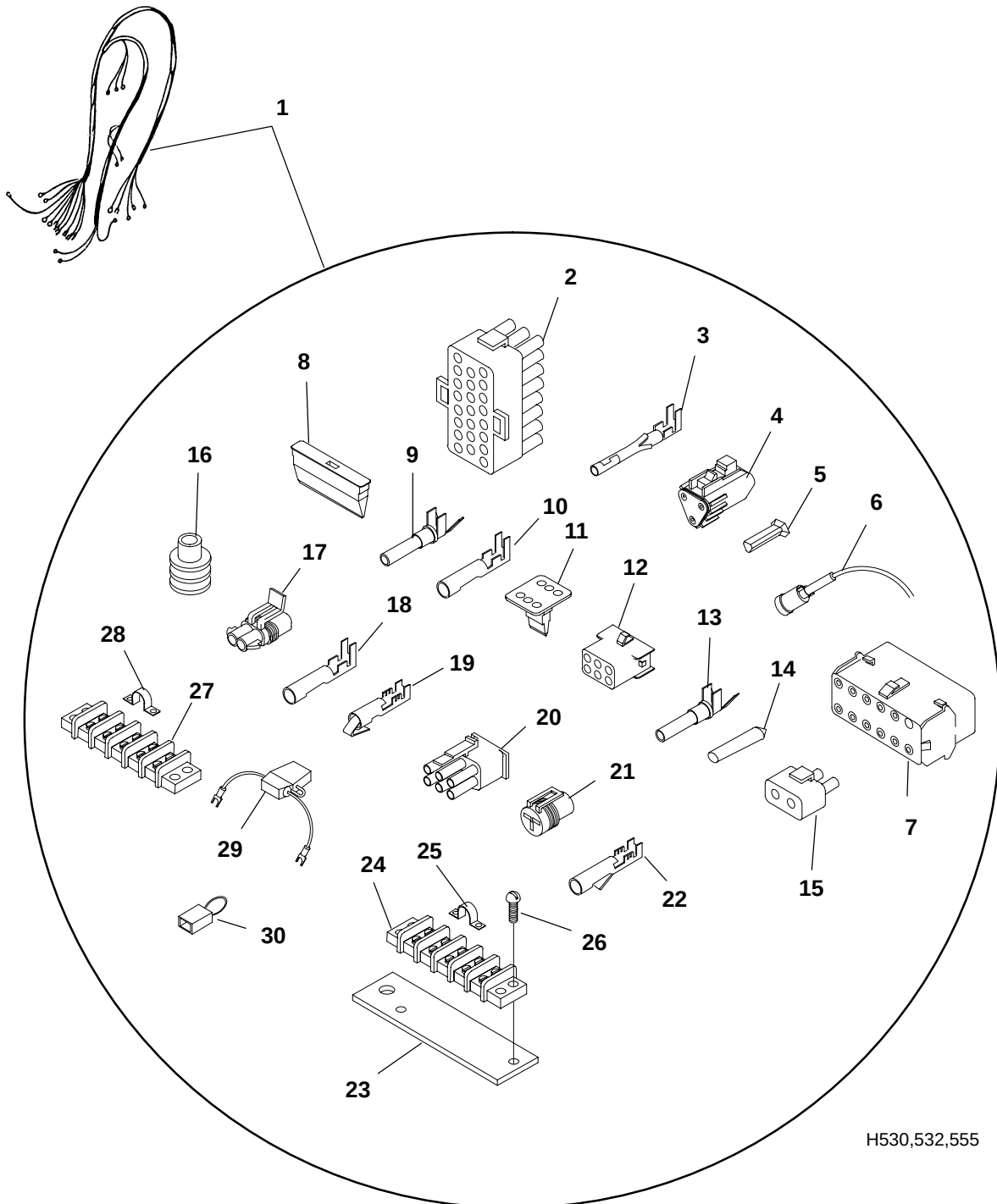


H530,532,555

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.			

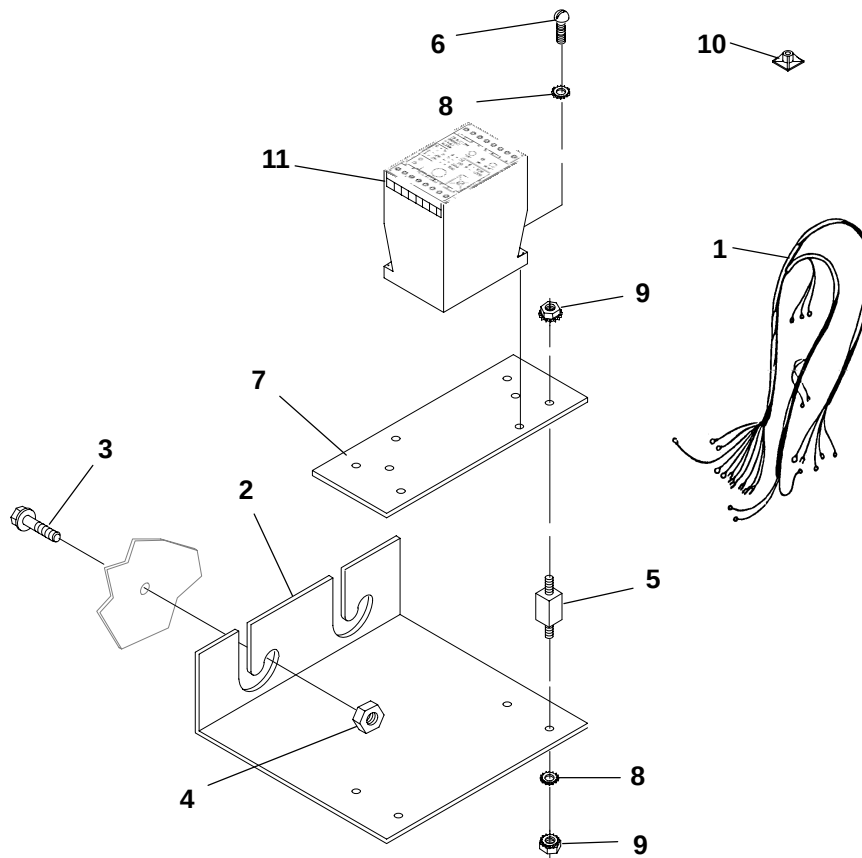
Wiring Harness Engine to Control



Wiring Harness Engine to Control

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-3352-02	1	Harness, Wiring - Engine To Control (Includes Parts Listed Below)	21	323-1666	1	Socket, Connector (3 Place) (E1)
2			Plug, Connector (23 Place)	22	323-1667	3	Socket, Contact (Used In E1)
	323-1605-03	1	Colored Grey (P5)	23			Bracket, Mounting - Terminal
	323-1605-02	2	Colored Natural (P4, P6)		319-2006-01	1	Marked "26" (T26)
3	323-1614-01	49	Socket, Contact (Used In P4, P5, P6)		319-2006-02	1	Marked "GND" (GND-ENG)
4	323-1493	1	Plug, Connector (3 Place) (P3)	24	332-0604	2	Block, Terminal (5 Place)
5	323-1503	1	Wedge (Used In P3)	25	332-1043	8	Jumper
6	338-2592-03	1	Cable, Magnetic Pickup (115")	26	815-0538	4	Screw, Machine - Round Head - Cross Recessed W/IT (#8-32 x 1/2")
7	323-1580	1	Housing, Connector (12 Place) (J12)	27	332-0604	1	Block, Terminal (5 Place) (TB-BAT)
8	323-1581	1	Wedge (Used In J12)	28	332-1043	3	Jumper (Used On TB-BAT)
9	323-1491	5	Pin, Contact (Used In J12)	29	321-0339	1	Holder Assembly, Fuse (Used On TB-BAT) (Includes Indented Parts Listed Below)
10	323-1648	5	Socket, Contact (Used In P10)				
11	323-1624	1	Wedge (Used In P7)		321-0325	1	Holder, Fuse
12	323-1623	1	Plug, Connector (6 Place) (P7)		321-0307-07	1	Fuse - 20 Amp (Colored Yellow)
13	323-1492	9	Socket, Contact				
17	323-1540	3	Socket, Connector (2 Place) (E2, E3, E4)	30	338-3285	2	Harness Assembly, Jumper (Includes Parts Indented Below) (Used on E6, E7)
18	323-1444	4	Socket, Contact (Used In E6, E7)				
19	332-3096-01	6	Socket, Contact (Used In E2, E3, E4)		323-1652	2	Socket, Connector (2 Place)
20	323-1643-01	1	Plug, Connector (6 Place) (P10)		323-1445	4	Seal
					323-1718	4	Pin, Contact

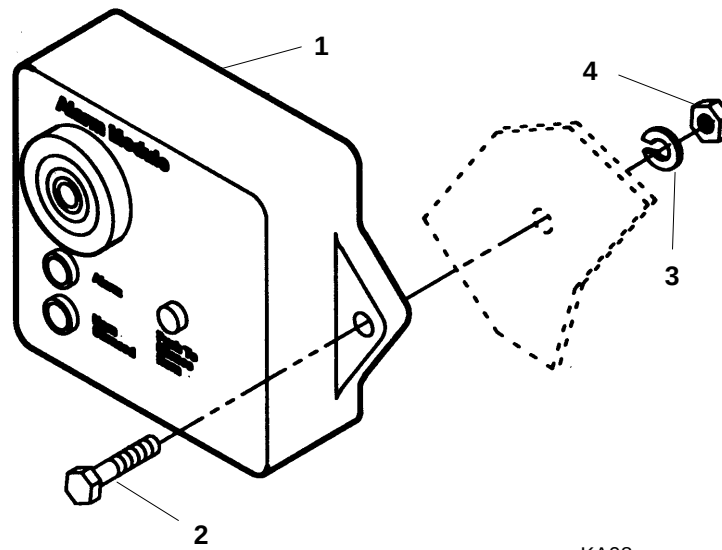
Ground Fault Relay



H550

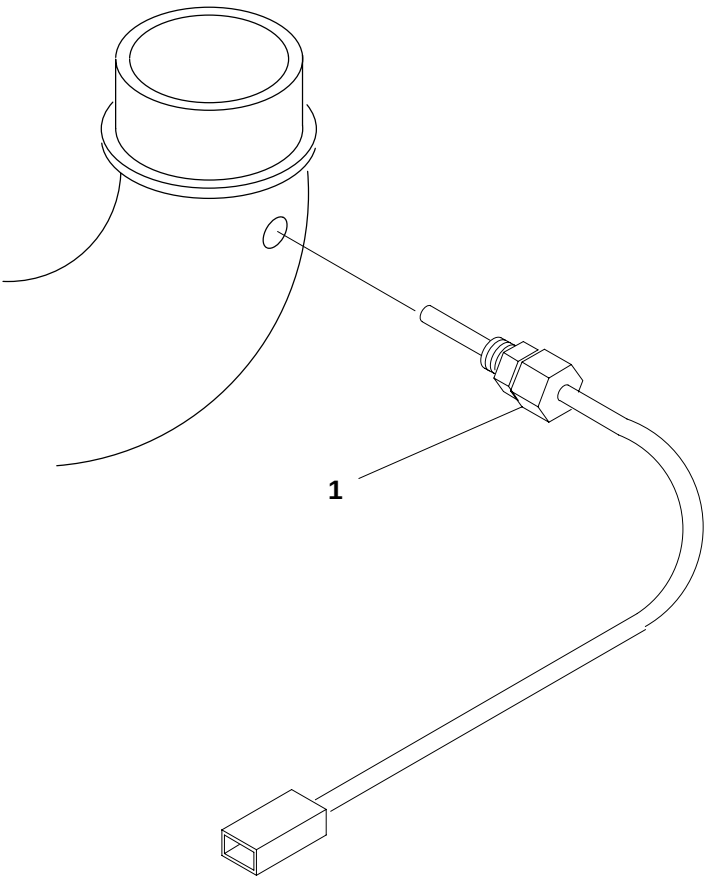
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-3233	1	Harness, Wiring	7	319-0030	1	Plate, Mounting
2	301-6987	1	Bracket, Mounting	8	853-0005	8	Washer, Lock - ET (#8)
3	821-0017	2	Screw, Self-Locking - Hex Washer Head (5/16-18 x 1/2")	9	870-0221	10	Nut, Hex - W/ET (#8-32)
4	870-0257	2	Nut, Hex - Self-Locking (5/16-18)	10	332-2420	2	Mount, Cable Tie
5	402-0354	4	Mount, Shock	11	307-2843	1	Relay, Ground Fault
6	812-0081	2	Screw, Machine - Round Head (#8-32 x 5/8")				

Audible Alarm Module



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")

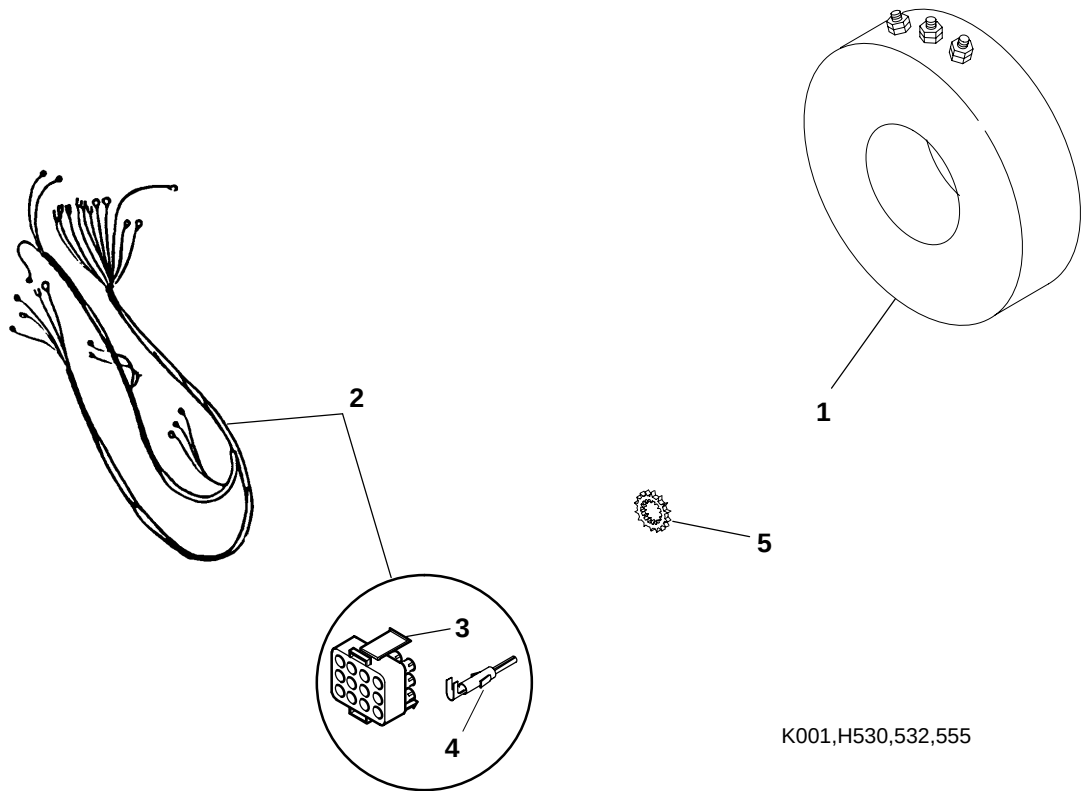
Pyrometer



H244

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

Current Transformer

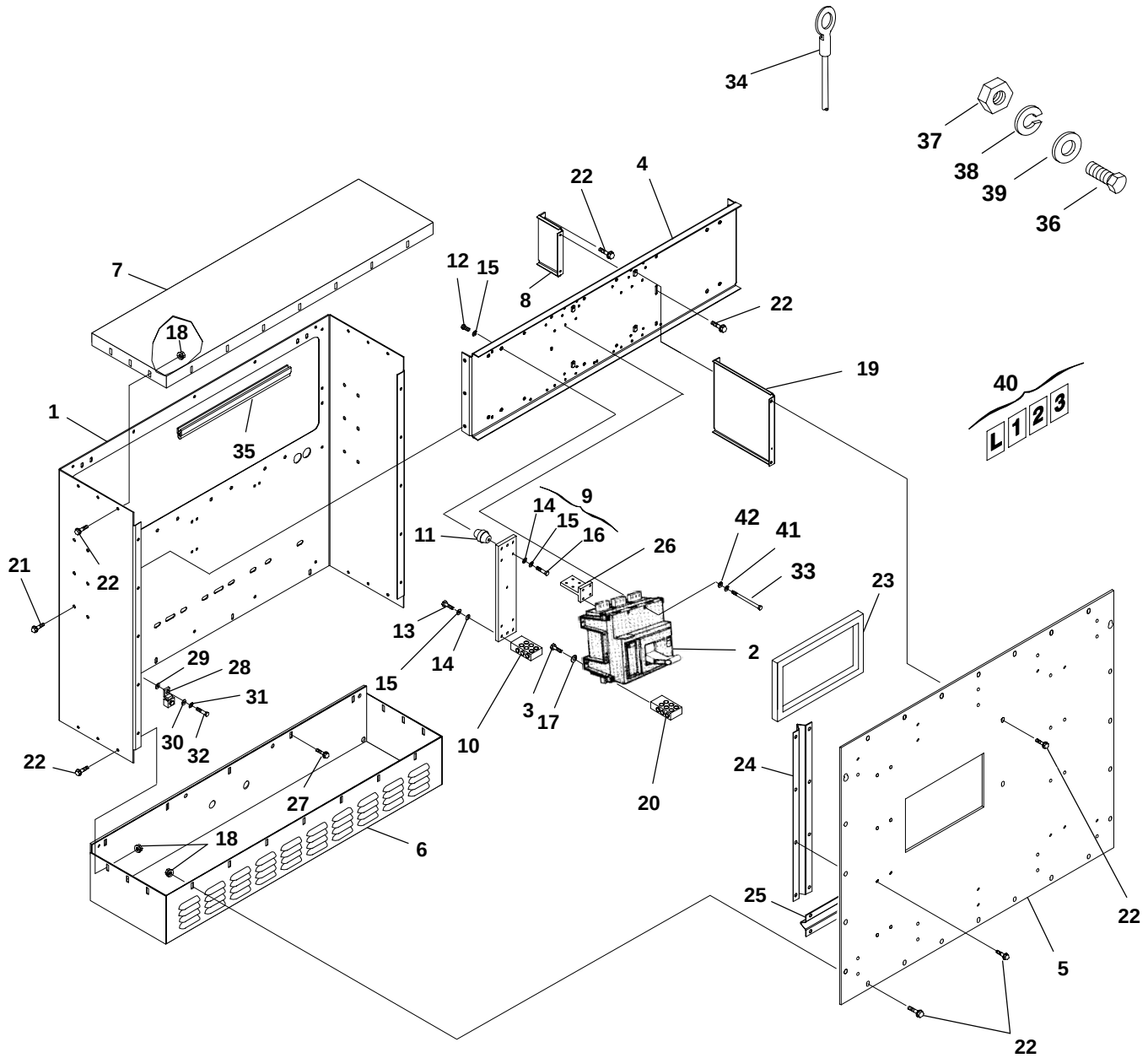


K001,H530,532,555

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Transformer, Current (CT21, CT22, CT23)
	302-2057-34	3	Ratio 1893/1 or 3786/1
	302-2057-38	3	Ratio 2366/1 or 4732/1
2	338-3019		Harness, Wiring (Includes Plug and Socket)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
3	323-1644-03	1	Plug - 12 Place
4	323-1648	10	Socket, Contact
5	856-0008	2	Washer, Lock - EIT (5/16") (Grounding Wires)

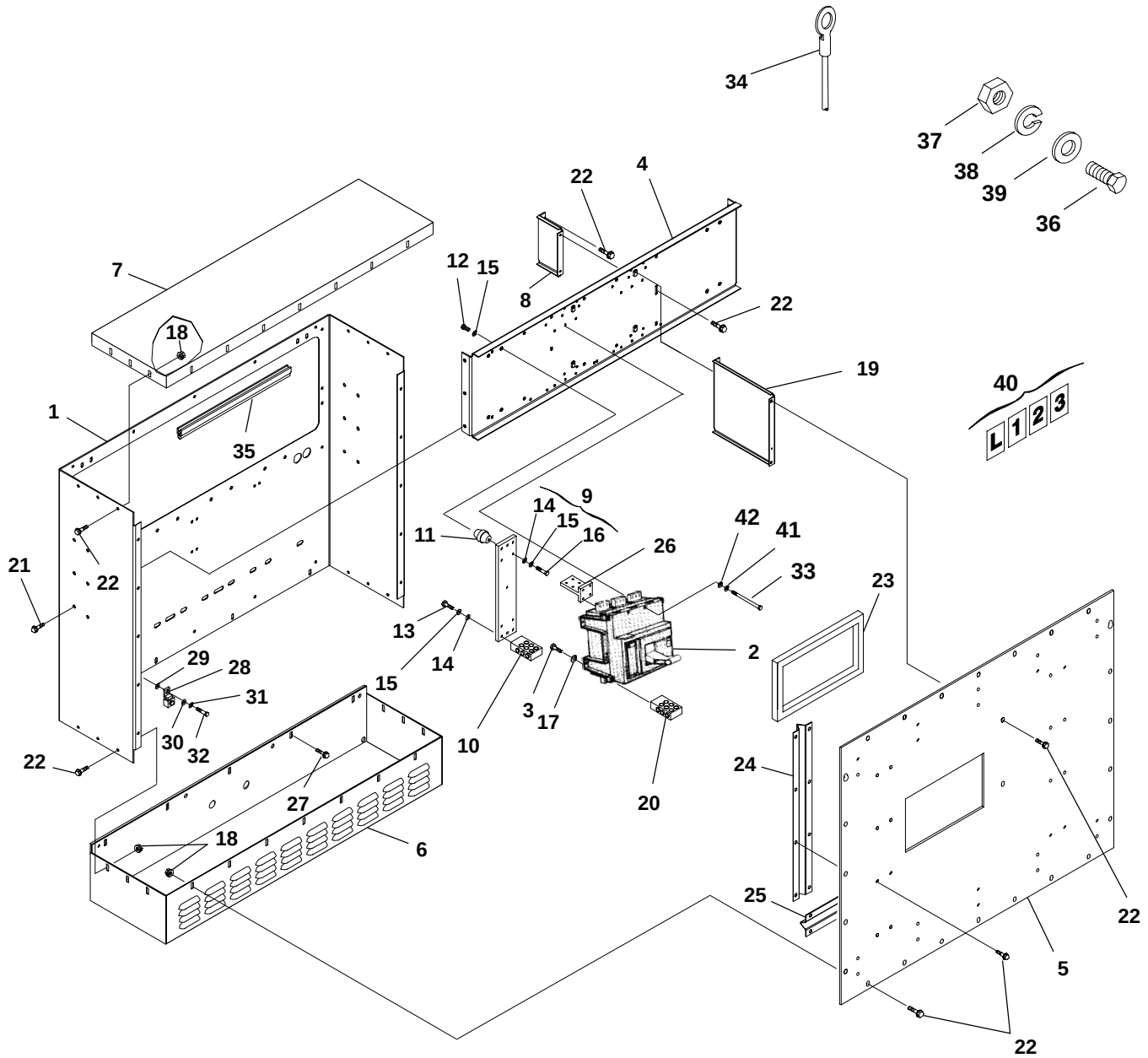
Circuit Breaker UL Listed



Circuit Breaker UL Listed

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

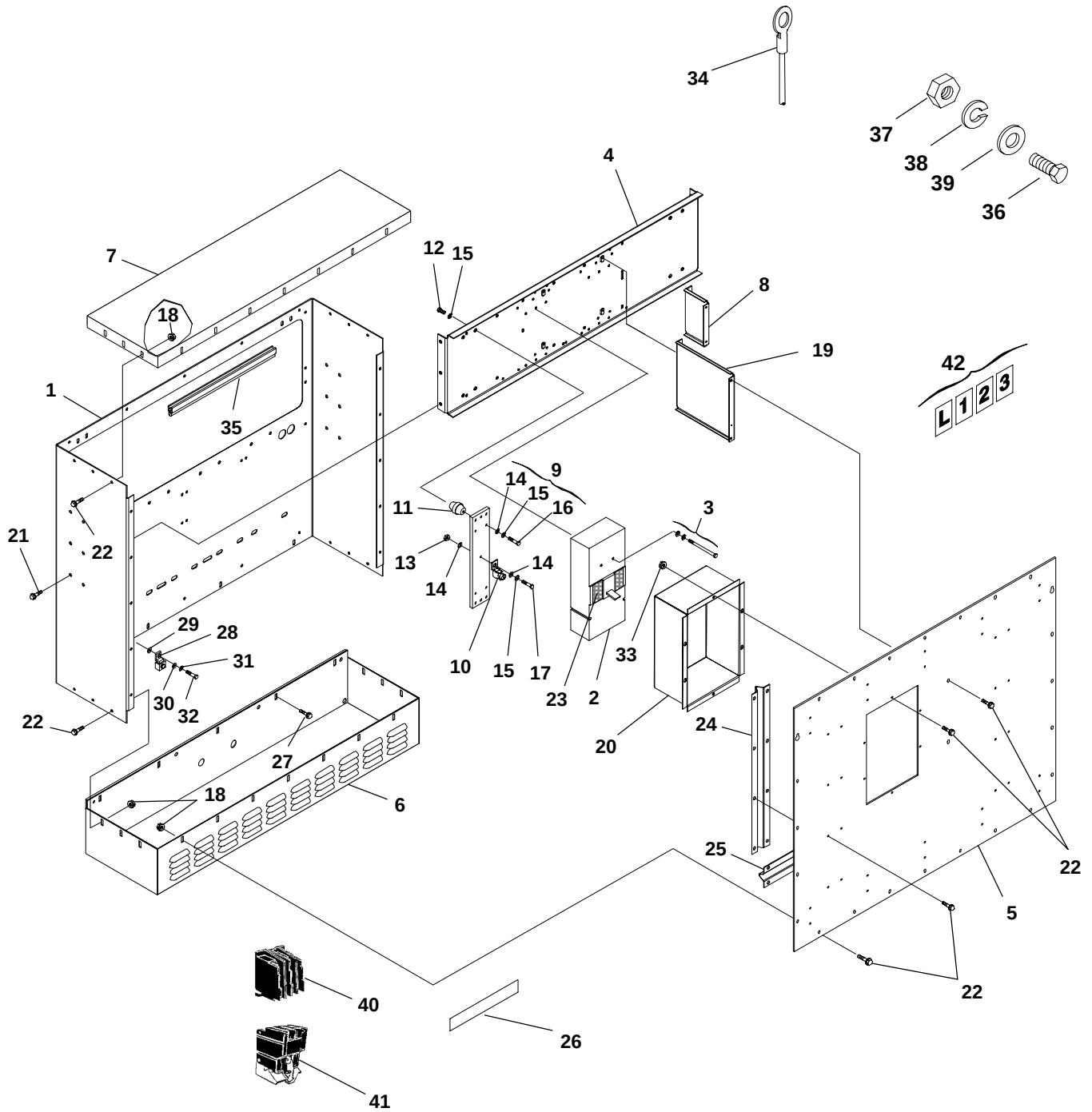
Circuit Breaker UL Listed



Circuit Breaker UL Listed

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
Continued...							
33	800-2063	4	Screw, Cap - Hex Head (M8 x 50mm)	37	860-2010	24	Nut, Hex (M12)
34			Lead - Circuit Breaker (Quantity Used As Required)	38	850-2012	24	Washer, Lock - Split (M12)
	226-4498-03	1	30"	39	526-2140	48	Washer, Flat (M12)
	226-4404-04	1	6"	40			Label, Marker (10 Characters Per Card) (Quantity Used As Required)
35	508-1 109	-	Edging - Bulk (Order By The Foot - 3 Feet Required)		098-5854-06	3	Marked "L"
			The following four hardware items are used to fasten the load leads to the generator and neutral bar.		098-5854-07	1	Marked "1"
					098-5854-08	1	Marked "2"
					098-5854-09	1	Marked "3"
				41	850-2008	4	Washer, Lock - Split (M8)
				42	526-2100	4	Washer, Flat (M8)
36	800-21 16	24	Screw, Cap - Hex Head (M12 x 50mm)	* - Parts Included In 300-4480-01 Neutral Bar Assembly			

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

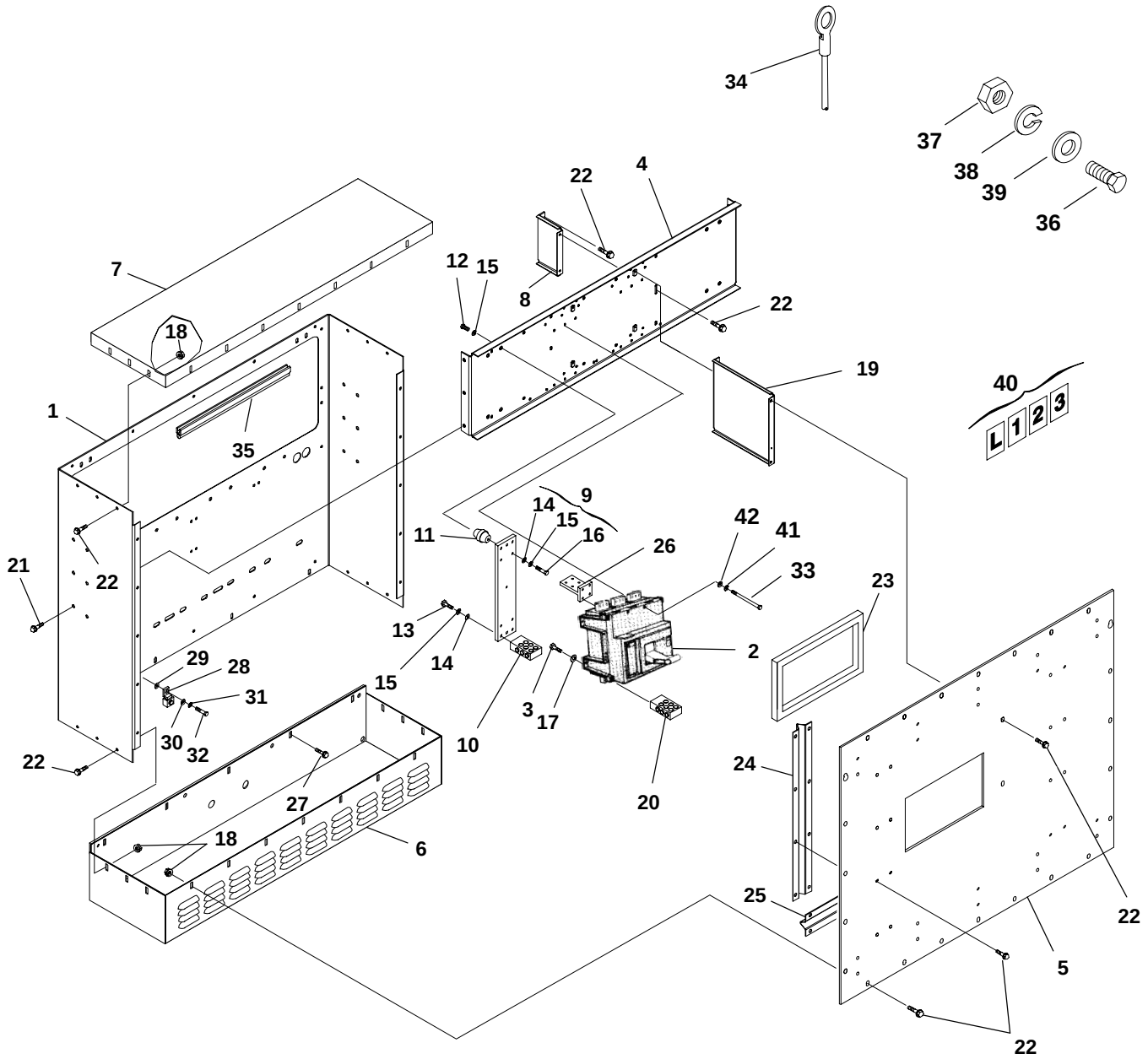


Circuit Breaker and Disconnect Switch UL Listed, IEC Conformity

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3184	1	Box, Circuit Breaker	26	091-0002	1	Strip, Copper (Used for wrapping end of leads before securing to circuit breakers and disconnect switches) (Quantity Used As Required)
2			The following listed Circuit Breakers and Disconnect Switches include lugs and mounting hardware.				
			Circuit Breakers				
			3 Pole (UL, IEC)	27	821-2034	5	Screw, Self-Locking - Hex Washer Head (M6 x 20mm)
	320-1964-02	1	1000 Amp	28	332-2001	1	Lug, Solderless
	320-1964-01	1	1200 Amp	29	856-0010	1	Washer, Lock - EIT (3/8")
			4 Pole (IEC)	30	526-2120	1	Washer, Flat (M10)
	320-1964-06	1	1250 Amp	31	850-2010	1	Washer, Lock - Spring (M10)
			Disconnect Switches	32	800-2086	1	Screw, Cap - Hex Head (M10 x 25mm)
			3 Pole (UL, IEC)	33	870-2054	6	Nut, Hex - Flange (M6)
	320-1992-01	1	1200 Amp	34			Lead (Quantity Used As Required)
3			Package, Hardware - Mounting (Includes Screws, Nuts and Lock Washers - 1 Package Required Per Switch)		226-4768-05	1	3 Pole 801-1000 Amp
	320-1986-01	1	Used With 320-1964-XX Circuit Breakers and 320-1992-01 Disconnect Switches		226-4768-06	1	1001-1250 Amp
							4 Pole 1001-1250 Amp
4	319-3153	1	Bracket, Mounting	35	508-1109	-	Edging - Bulk (Order By The Foot - 3 Feet Required)
5	319-3300	1	Cover				The following four hardware items are used to fasten the load leads to the generator and neutral bar.
6	319-1925	1	Panel - Bottom				Screw, Cap - Hex Head (M12 x 40mm)
7	319-1961	1	Panel - Top				3 Pole
8	319-3253-01	1	Brace, Cover				4 Pole
9	300-4318-01	1	Bar Assembly, Neutral - Used on 3 Pole Circuit Breakers and Disconnect Switches (Includes Neutral Bars, Labels and Parts Marked *)	36			Nut, Hex (M12)
					800-2114	10	3 Pole
					800-2114	8	4 Pole
10	332-2001	3	* Lug, Solderless	37			3 Pole
11	332-2744-07	2	* Standoff, Insulator		860-2010	10	4 Pole
12	800-0048	2	* Screw, Cap - Hex Head (3/8-16 x 3/4")	38			Washer, Lock - Split (M12)
					850-2012	10	3 Pole
13	862-0003	3	* Nut, Hex (3/8")		850-2012	8	4 Pole
14	526-0029	8	* Washer, Flat (3/8")	39			Washer, Flat (M12)
15	850-0050	7	* Washer, Lock - Spring (3/8")		526-2140	20	3 Pole
16	800-0051	2	* Screw, Cap - Hex Head (3/8-16 x 1-1/4")		526-2140	16	4 Pole
17	800-0052	3	* Screw, Cap - Hex Head (3/8-16 x 1-1/2")				Accessories, Circuit Breaker: The following are used on 320-1964-XX Circuit Breakers
18	870-0504	30	Nut, Self-Retaining (M6)	40	320-1977-01	1	Switches - Includes 1 Trip Alarm and 1 Auxiliary Contact
19	319-3252-01	1	Brace, Cover	41	320-1977-03	1	24 Volt Shunt Trip
20	319-2431-28	1	Cup	42			Label, Marker (10 Characters Per Card)
21	821-6003-02	6	Screw, Self-Locking - Hex Washer Head (M8 x 20mm)		098-5854-06	3	Marked "L"
22	821-6002-03	91	Screw, Self-Locking - Hex Washer Head (M6 x 16mm)		098-5854-07	1	Marked "1"
23	895-0182	-	Stripping, Weather - Bulk (Order By The Foot - 1 Foot Required)		098-5854-08	1	Marked "2"
24	319-3286	2	Brace, Cover (Vertical)		098-5854-09	1	Marked "3"
25	319-3288	2	Brace, Cover (Horizontal)				

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

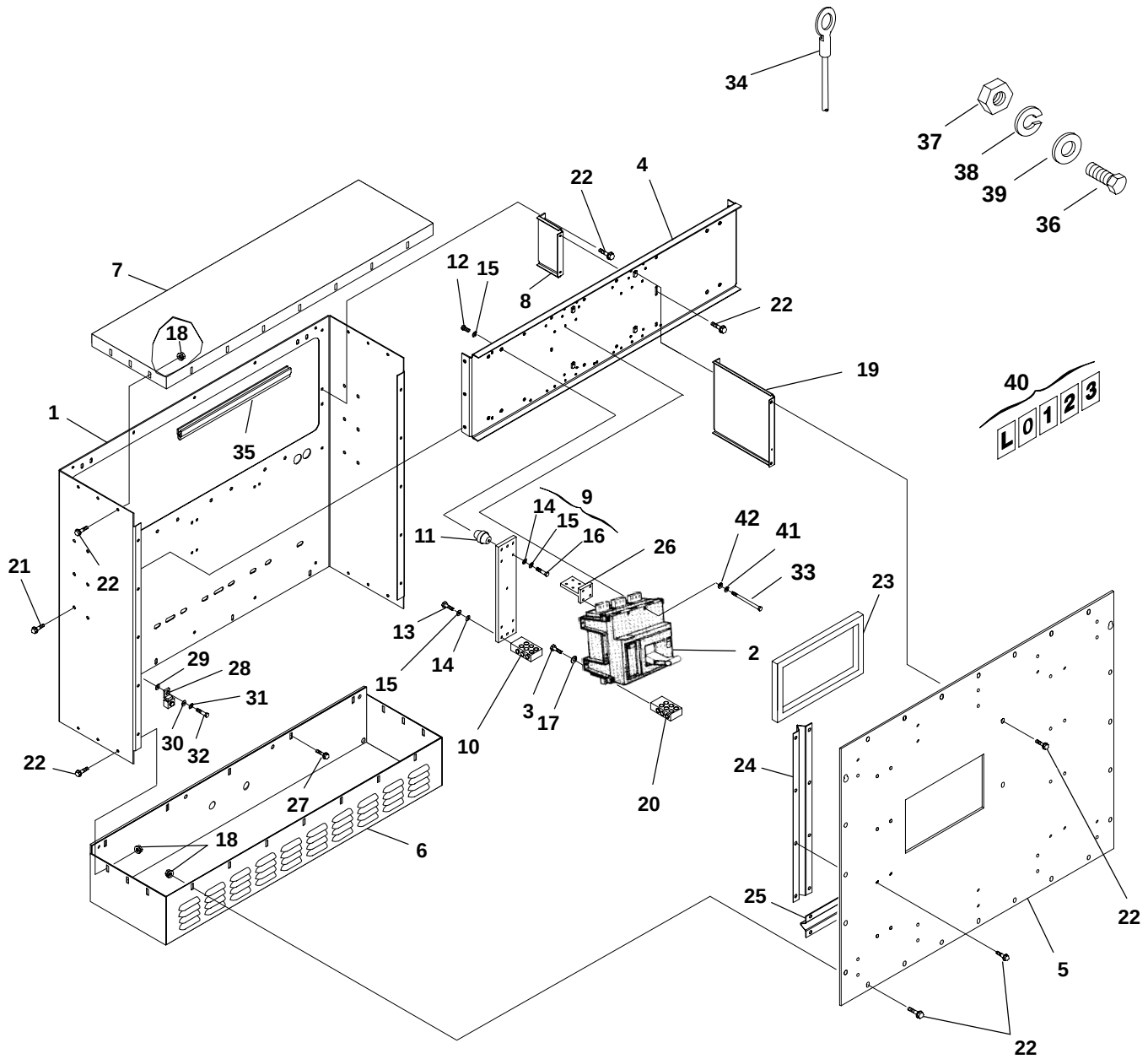
Disconnect Switch Molded Case UL Listed



Disconnect Switch Molded Case UL Listed

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3184	1	Box, Disconnect Switch	27	821-2035	5	Screw, Self-Locking - Hex Washer Head (M6 x 25mm)
2	320-1907-01	1	Switch, Disconnect - 3 Pole (Includes Mounting Screws) (CB21)	28	332-2001	1	Lug, Solderless
3	800-2089	9	Screw, Cap - Hex Head (M10 x 40mm)	29	856-0010	1	Washer, Lock - EIT (3/8")
4	319-3153	1	Bracket, Mounting	30	526-2120	1	Washer, Flat (M10)
5	319-3266-01	1	Cover, Disconnect Switch	31	850-2010	10	Washer, Lock - Spring (M10)
6	319-1925	1	Panel - Bottom	32	800-2086	1	Screw, Cap - Hex Head (M10 x 25mm)
7	319-1961	1	Panel - Top	33	800-2063	4	Screw, Cap - Hex Head (M8 x 50mm)
8	319-3253-02	1	Brace, Mounting - Disconnect Switch	34	226-4498-03	32	Lead - Disconnect Switch - 30" (Without Markings) (#1/0 Wire)
9	300-4480-01	1	Bar Assembly, Neutral (Includes Neutral Bars, Labels and Parts Marked *)	35	508-1 109	-	Edging - Bulk (Order By The Foot - 3 Feet Required)
10	332-3303-01	1	* Lug, Solderless	The following four hardware items are used to fasten the load leads to the generator and neutral bar.			
11	332-2744-07	4	* Standoff, Insulator				
12	800-0048	4	* Screw, Cap - Hex Head (3/8-16 x 3/4")				
13	800-2089	3	* Screw, Cap - Hex Head (M10 x 40mm)				
14	526-2120	7	* Washer, Flat (M10)	36	800-21 16	24	Screw, Cap - Hex Head (M12 x 50mm)
15	850-2010	11	* Washer, Lock - Spring (M10)	37	860-2010	24	Nut, Hex (M12)
16	800-0052	4	* Screw, Cap - Hex Head (3/8-16 x 1-1/2")	38	850-2012	24	Washer, Lock - Spring (M12)
17	850-2010	9	Washer, Lock - Spring (M10)	39	526-2140	48	Washer, Flat (M12)
18	870-0504	26	Nut, Self-Retaining (M6)	40			Label, Marker (10 Characters Per Card) (Quantity Used As Required)
19	319-3252-02	1	Brace, Cover		098-5854-06	3	Marked "L"
20	332-3303-01	3	Lug, Solderless		098-5854-07	1	Marked "1"
21	821-6003-02	6	Screw, Self-Locking - Hex Washer Head (M8 x 20mm)		098-5854-08	1	Marked "2"
22	821-6002-03	89	Screw, Self-Locking - Hex Washer Head (M6 x 16mm)		098-5854-09	1	Marked "3"
23	895-0182	-	Stripping, Weather - Bulk (Order By The Foot - 4 Feet Required)	41	850-2008	4	Washer, Lock - Spring (M8)
24	319-3286	2	Brace, Cover (Vertical)	42	526-2100	4	Washer, Flat (M8)
25	319-3288	2	Brace, Cover (Horizontal)	* - Parts Included In 300-4480-01 Neutral Bar Assembly			
26	337-2789	4	Bar, Bus (T-Bar) (Includes Mounting Hardware)				

Circuit Breaker IEC Conformity

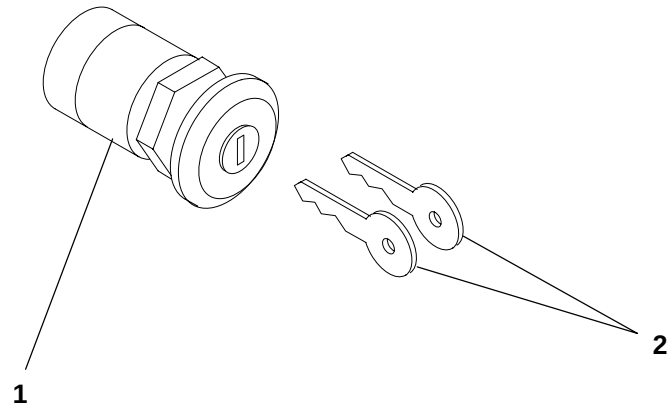


Circuit Breaker IEC Conformity

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3184	1	Box, Circuit Breaker	22	821-6002-03	89	Screw, Self-Locking - Hex Washer Head (M6 x 16mm)
2			Breaker, Circuit (Includes Mounting Screws) (CB21)	23	895-0182	-	Stripping, Weather - Bulk (Order By The Foot - 4 Feet Required)
			Three Pole Breakers Standard	24	319-3286	2	Brace, Cover (Vertical)
	320-1699	1	Frame Size CM1600	25	319-3288	2	Brace, Cover (Horizontal)
			With 24 Volt Shunt Trip	26	337-2789	4	Bar, Bus (T-Bar) (Includes Mounting Hardware)
	320-1699-04	1	Frame Size CM1600	27	821-2035	5	Screw, Self-Locking - Hex Washer Head (M6 x 25mm)
			With Auxiliary Contacts, Bell Alarm and 24 Volt Shunt Trip	28	332-2001	1	Lug, Solderless
				29	856-0010	1	Washer, Lock - EIT (3/8")
				30	526-2120	1	Washer, Flat (M10)
	320-1699-08	1	Frame Size CM1600	31	850-2010	1	Washer, Lock - Spring (M10)
				32	800-2086	1	Screw, Cap - Hex Head (M10 x 25mm)
3	800-2089	9	Screw, Cap - Hex Head (M10 x 40mm)	33	800-2063	4	Screw, Cap - Hex Head (M8 x 50mm)
4	319-3153	1	Bracket, Mounting	34	226-4498-03	32	Lead - Circuit Breaker - 30" (Without Markings) (#1/0 Wire)
5	319-3266-01	1	Cover, Circuit Breaker				
6	319-1925	1	Panel - Bottom	35	508-1 109	-	Edging - Bulk (Order By The Foot - 3 Feet Required)
7	319-1961	1	Panel - Top				The following four hardware items are used to fasten the load leads to the generator.
8	319-3253-02	1	Brace, Mounting - Circuit Breaker	36	800-21 16	24	Screw, Cap - Hex Head (M12 x 50mm)
9	300-4480-01	1	Bar Assembly, Neutral (Includes Neutral Bars, Labels and Parts Marked *) (Used With 3 Pole Circuit Breakers)	37	860-2010	24	Nut, Hex (M12)
10	332-3303-01	1	* Lug, Solderless	38	850-2012	24	Washer, Lock - Spring (M12)
11	332-2744-07	4	* Standoff, Insulator	39	526-2140	48	Washer, Flat (M12)
12	800-0048	4	* Screw, Cap - Hex Head (3/8-16 x 3/4")	40			Label, Marker (10 Characters Per Card)
13	800-2089	3	* Screw, Cap - Hex Head (M10 x 40mm)		098-5854-06	3	Marked "L"
14	526-2120	7	* Washer, Flat (M10)		098-5854-07	1	Marked "1"
15	850-2010	11	* Washer, Lock - Spring (M10)		098-5854-08	1	Marked "2"
16	800-0052	4	* Screw, Cap - Hex Head (3/8-16 x 1-1/2")		098-5854-09	1	Marked "3"
17	850-2010	9	Washer, Lock - Spring (M10)	41	850-2008	4	Washer, Lock - Spring (M8)
18	870-0504	26	Nut, Self-Retaining (M6)	42	526-2100	4	Washer, Flat (M8)
19	319-3252-02	1	Brace, Cover				
20	332-3303-01	3	Lug, Solderless				
21	821-6003-02	6	Screw, Self-Locking - Hex Washer Head (M8 x 20mm)				

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

Key Operator Switch



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	308-1045	1	Switch, Key Operator	2	308-1046	2	Key

Accessories

These parts must be purchased through the Accessories Business Unit, see your Cummins/Onan Distributer. For other accessories such as batteries, fuel tanks and annunciators contact the Accessories Business Unit.

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Muffler				Critical
			Industrial				Side Inlet
	155-2340-01	1	Side Inlet		155-2342-02	1	8" Flange
	155-2063-06	1	End Inlet		155-2342-04	1	12" Flange
			Residential		155-2065-06	1	End Inlet
	155-2341-02	1	Side Inlet				
	155-2064-06	1	End Inlet				

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