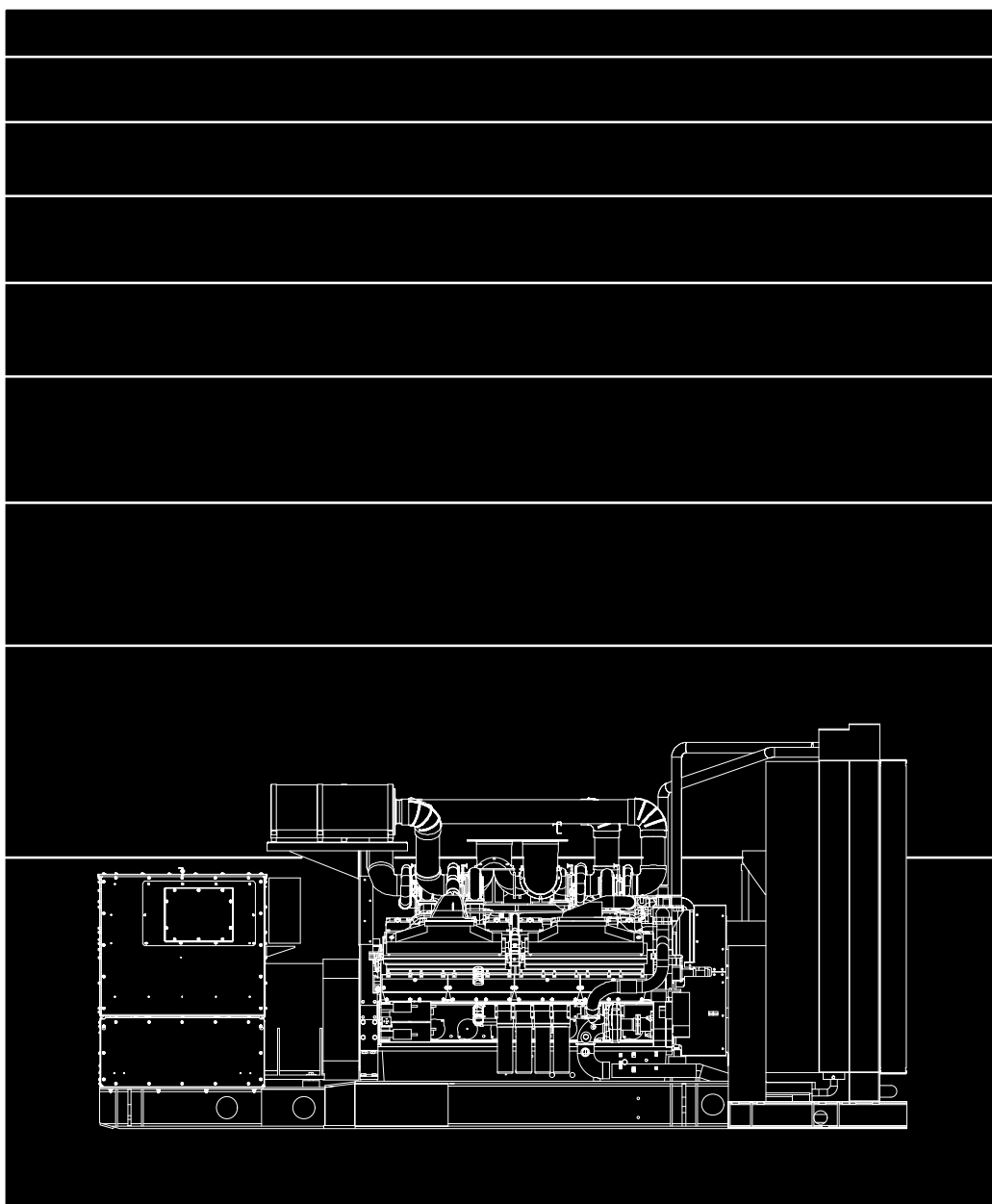


# Parts Catalog

DQKB  
DQKC

## 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 DQKB and DQKC 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
DQKB, DQKC (50 Hertz)	QSK60-G3
DQKB, DQKC (60 Hertz)	QSK60-G6

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	
1500DQKB/*	1,500,000	#	50	12	3	24VDC
1650DQKC/*	1,650,000	#	50	12	3	24VDC
1750DQKB/*	1,750,000	#	60	12	3	24VDC
2000DQKC/*	2,000,000	#	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

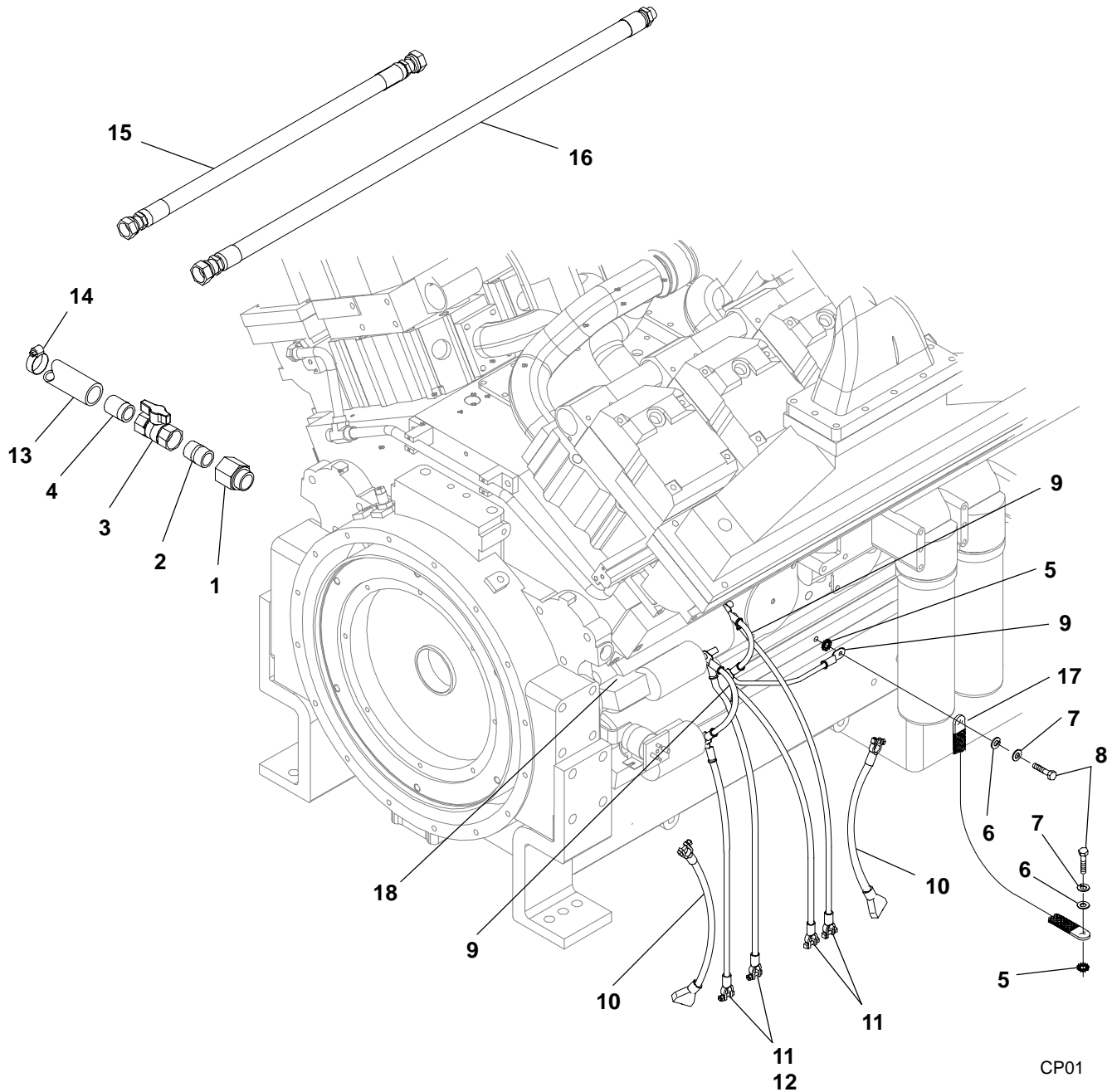
Some of the following abbreviations may be used throughout this Parts Catalog:

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

## Paint and Thread Sealant

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

## Engine Accessories

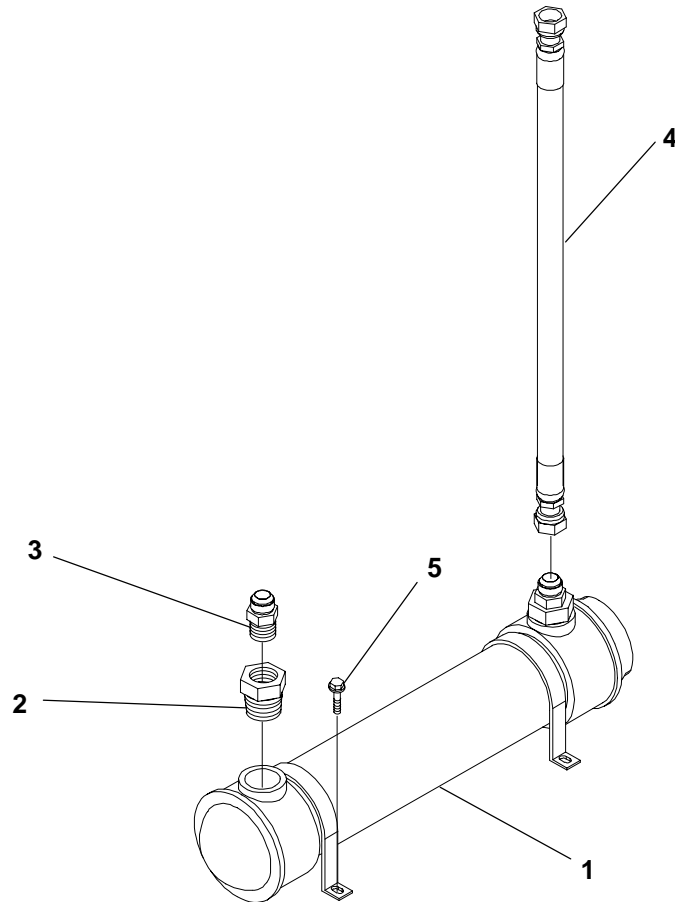


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REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	505-1508	1	Adapter (3/4" Female to M27 Male) (Includes "O" Ring)	11	416-0639	4	Cable, Battery (60")
2	505-0102	1	Nipple, Pipe – Close (3/4")	12	416-1019	2	Boot, Battery (Red)
3	504-0171	1	Valve, Shutoff (3/4")	13	503-0249	–	Hose, Oil Drain – Bulk (3/4" ID) (Order By The Foot – 3 Feet Required)
4	505-0324	1	Nipple, Pipe – Half (3/4" x 2")	14	503-0189	1	Clamp, Hose
5	856-0013	2	Washer, Lock – EIT (1/2")	15	501-0682	1	Line, Fuel – Flexible (Fuel In)
6	526-2140	2	Washer, Flat (M12)	16	501-0678-02	1	Line, Fuel – Flexible (Fuel Out)
7	850-2012	2	Washer, Lock – Spring (M12)	17	337-0090-01	1	Strap, Ground (27")
8	800-2111	2	Screw, Cap – Hex Head (M12 x 25mm)	18	338-3894	1	Harness, Wiring – Diode – Starter
9	416-0680	3	Cable, Battery (10")				
10	416-0446	2	Cable, Battery (12–1/2")				

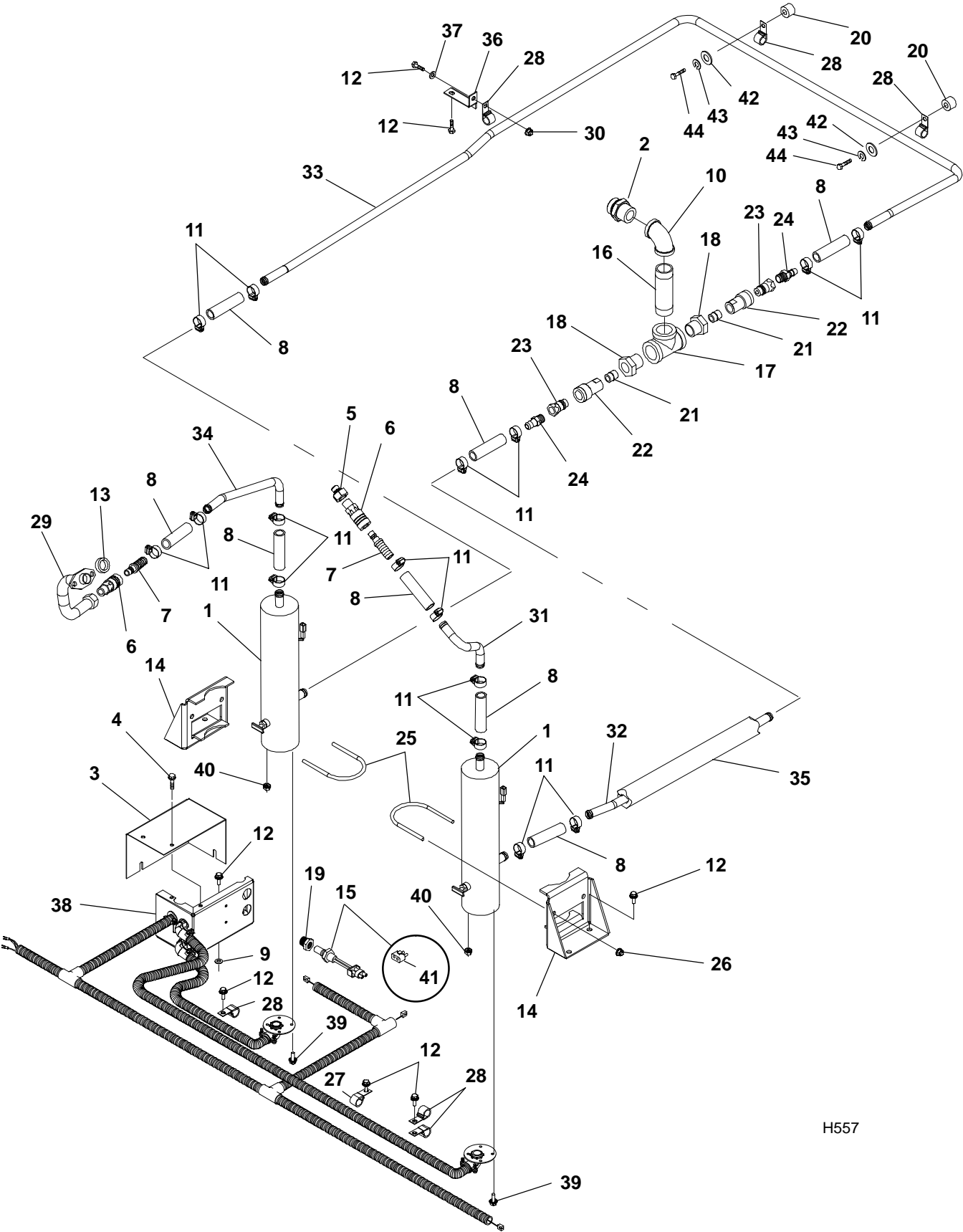


# **Fuel Cooler** **Sets With Heat Exchanger Cooling**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-5090	1	Exchanger, Heat – Fuel	4	501-0678-03	1	Line, Flexible (7/8" ID x 28")
2	505-0024	2	Bushing, Reducer – Pipe (1-1/2" to 1")	5	821-6003-03	4	Screw, Self-Locking – Hex Washer Head (M8 x 25mm)
3	502-0656	2	Adapter, Male – Brass (1-5/16" x 1")				

Coolant Heater

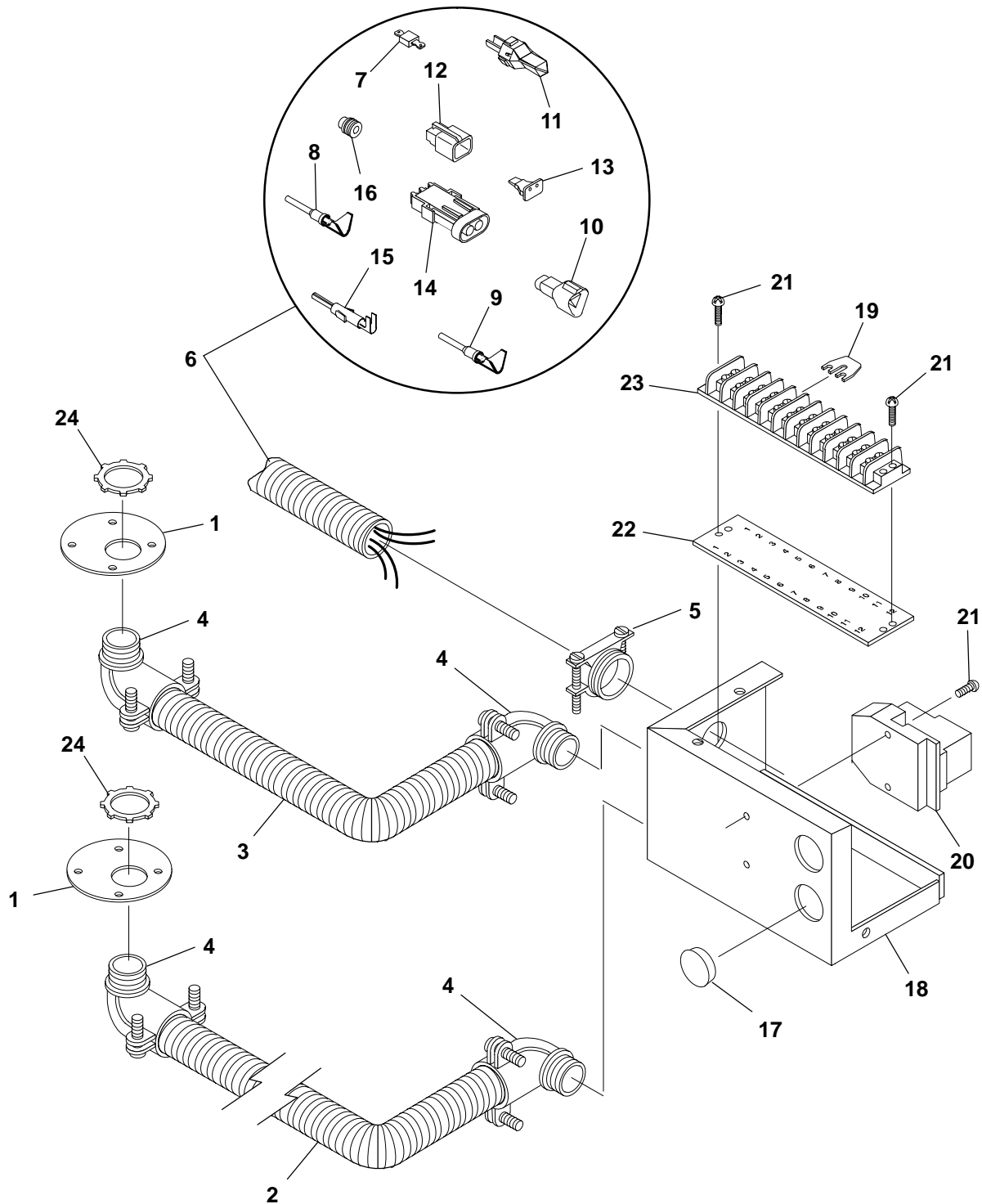


H557

## Coolant Heater

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Heater, Coolant	21	505-0100	2	Nipple, Pipe (1/2" x 1-1/8")
	333-0634-01	2	4990 Watt	22	502-1260	2	Coupler, Brass (1/2")
	333-0634-02	2	6420 Watt	23	502-1261	2	Nipple, Brass (1/2")
2	502-1325	1	Adapter, Pipe (M42 x 1-1/4")	24	502-0827	2	Fitting, Hose – Barbed (1/2" ID Pipe to 3/4" ID Hose)
3	319-2815	1	Cover, Terminal Box	25	155-3021	2	Clamp, Mounting
4	821-5002-03	4	Screw, Self-Locking – Hex Washer Head (1/4-20 x 1/2")	26	870-0550-09	4	Nut, Hex – Flange (3/8-16)
5	502-1315	1	Adapter, Brass (Includes "O" Ring) (1/2" Female to M18 Male)	27	518-0548-24	2	Clamp, Hose
6	502-1259	2	Coupler (1/2" Male)	28	332-2634	6	Clamp, "J"
7	502-1257	2	Connector, Hose – Barbed (Fits 3/4" ID Hose)	29	130-5089-02	1	Tube, Heater
8	503-1634-01	8	Hose, Rubber (3/4" ID x 4")	30	870-2065-03	1	Nut, Hex – Flange (M8)
9	526-0128	2	Washer, Flat (15/32" ID x 1-1/2" OD x 1/4" Thk)	31	130-5079-02	1	Tube, Heater
10	505-0042	1	Elbow, Pipe (1-1/4")	32	130-5078-02	1	Tube, Heater
11	503-2157-01	16	Clamp, Hose	33	130-5077-02	1	Tube, Heater
12	821-6003-02	12	Screw, Self-Locking – Hex Washer Head (M8 x 20mm)	34	130-5080-02	1	Tube, Heater
13	509-0283-01	1	Seal	35	128-0108	–	Insulation, Hose – Bulk (Order By The Foot – 12 Feet Required)
14	130-4546	2	Bracket, Mounting – Coolant Heater	36	130-4538	1	Bracket, Support
15	309-0649	1	Thermostat (Opens at 110 Deg F, Closes at 130 Deg F) (Includes Connector Socket) (S11)	37	526-2100	1	Washer, Flat (M8)
16	505-0653	1	Nipple, Pipe (1-1/4" x 4")	38	–	1	Control Assembly, Coolant Heater (See Separate Page For Components)
17	505-0249	1	Tee, Pipe (1-1/4")	39	815-0539	6	Screw, Machine – Round Head – Cross Recessed W/IT (#8-32 x 5/8")
18	505-0127	2	Bushing, Pipe – Reducer (1-1/4" to 1/2")	40	870-0131	6	Nut, Hex – W/ET (#10-32)
19	502-1321	1	Adapter, Brass	41	323-1637	1	Socket, Connector (2 Place)
20	130-3660-03	2	Spacer (1/2" ID x 1-1/4" OD x 3/4" Thk)	42	526-2100	2	Washer, Flat (M8)
				43	850-2008	2	Washer, Lock – Spring (M8)
				44	800-2060	2	Screw, Cap – Hex Head (M8 x 35mm)

## Coolant Heater Control

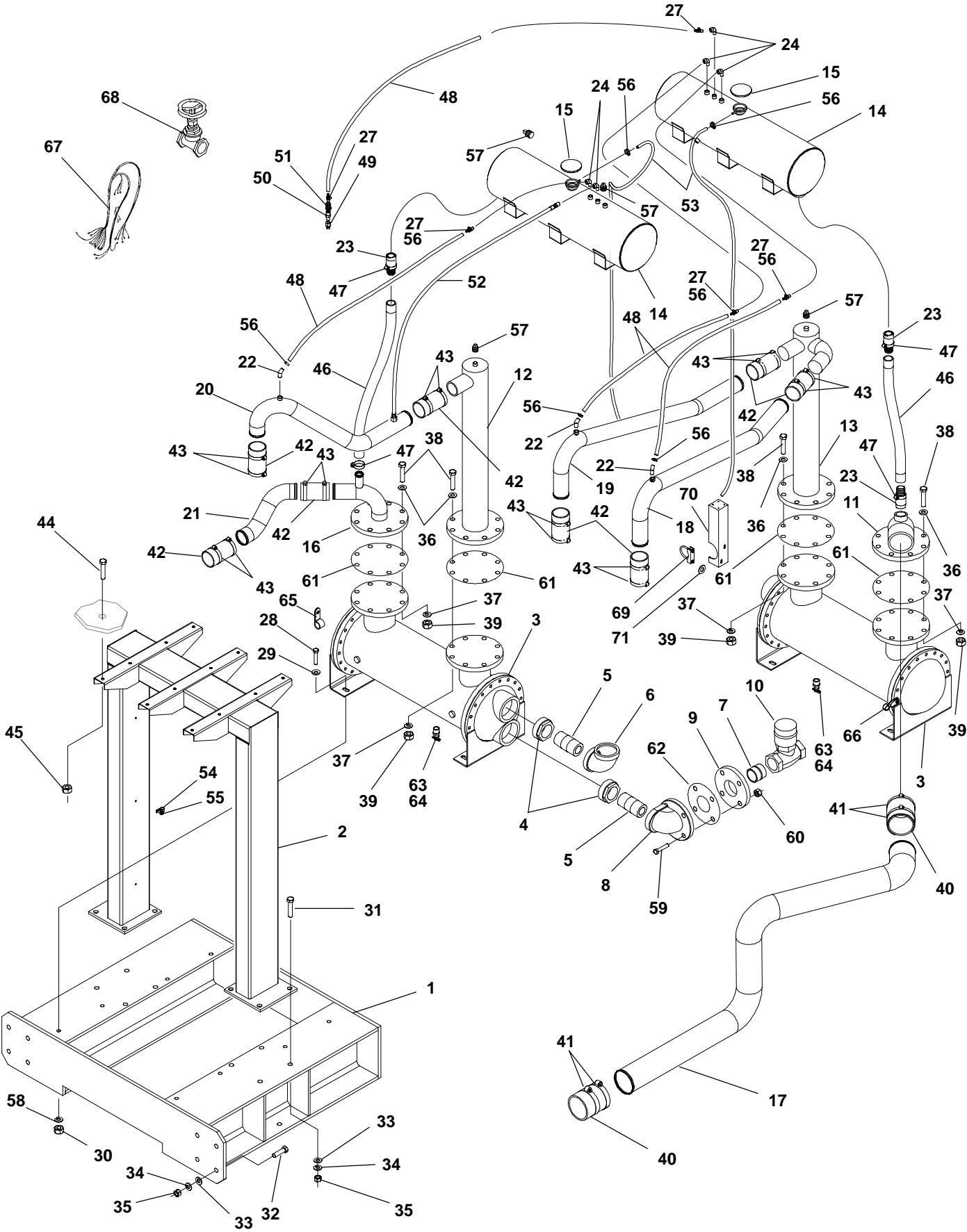


## Coolant Heater Control

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-4552	2	Cover, Coolant Heater	10	323-1494	1	* Connector, Receptacle (3 Pin) (Inline F)
2	338-3335-09	1	Harness, Wiring – AC – Coolant Heater (From Coolant Heater Bottom To Coolant Heater Control Box) (Includes Conduit Connectors) (108")	11	323-1502	1	* Wedge, Receptacle (Used With Inline F)
3	338-3335-01	1	Harness, Wiring – AC – Coolant Heater (From Coolant Heater Bottom To Coolant Heater Control Box) (Includes Conduit Connectors) (30")	12	323-1504	2	* Connector, Plug (2 Pin) (Stations 18,19)
4	331-0554	4	Connector, Conduit – 90 Deg (3/4")	13	323-1500	2	* Wedge, Plug (Used With Stations 18,19)
5	331-0042	1	Connector, Wiring – DC – Romex (3/4")	14	323-1652	1	* Connector, Plug – 2-Way (2 Pin) (Station 17)
6	338-3831	1	Harness, Wiring – DC – Engine Heater (From Coolant Heater Control Box To Engine And Main Engine Harness) (Includes Parts Marked *)	15	323-1718	2	* Pin, Contact (Used In Station 17)
7	357-0030	1	* Rectifier (6 Amp) (Located At K11 End Of Harness) (CR11)	16	323-1445	2	* Seal, Cable (Used With Station 17)
8	323-1491	3	* Pin, Contact (Used In Station Inline F)	17	517-0138-02	2	Plug, Hole (Fits 1-1/8" Hole)
9	323-1492	4	* Socket, Contact (Used In Stations 18, 19)	18	319-2814	1	Box, Terminal
				19	332-3440	2	Jumper, Terminal
				20	307-2859	1	Relay, Power – 24VDC (K11)
				21	815-0447	4	Screw, Machine – Round Head – Cross Recessed W/IT – Thread Forming (#8-32 x 3/4")
				22	332-1469	1	Strip, Marker
				23	332-1468	1	Block, Terminal – 12 Place (TB1)
				24	331-0555	4	Nut, Connector Lock (3/4-14)

\* – Parts Included In 338-3831 DC Engine Heater Wiring Harness

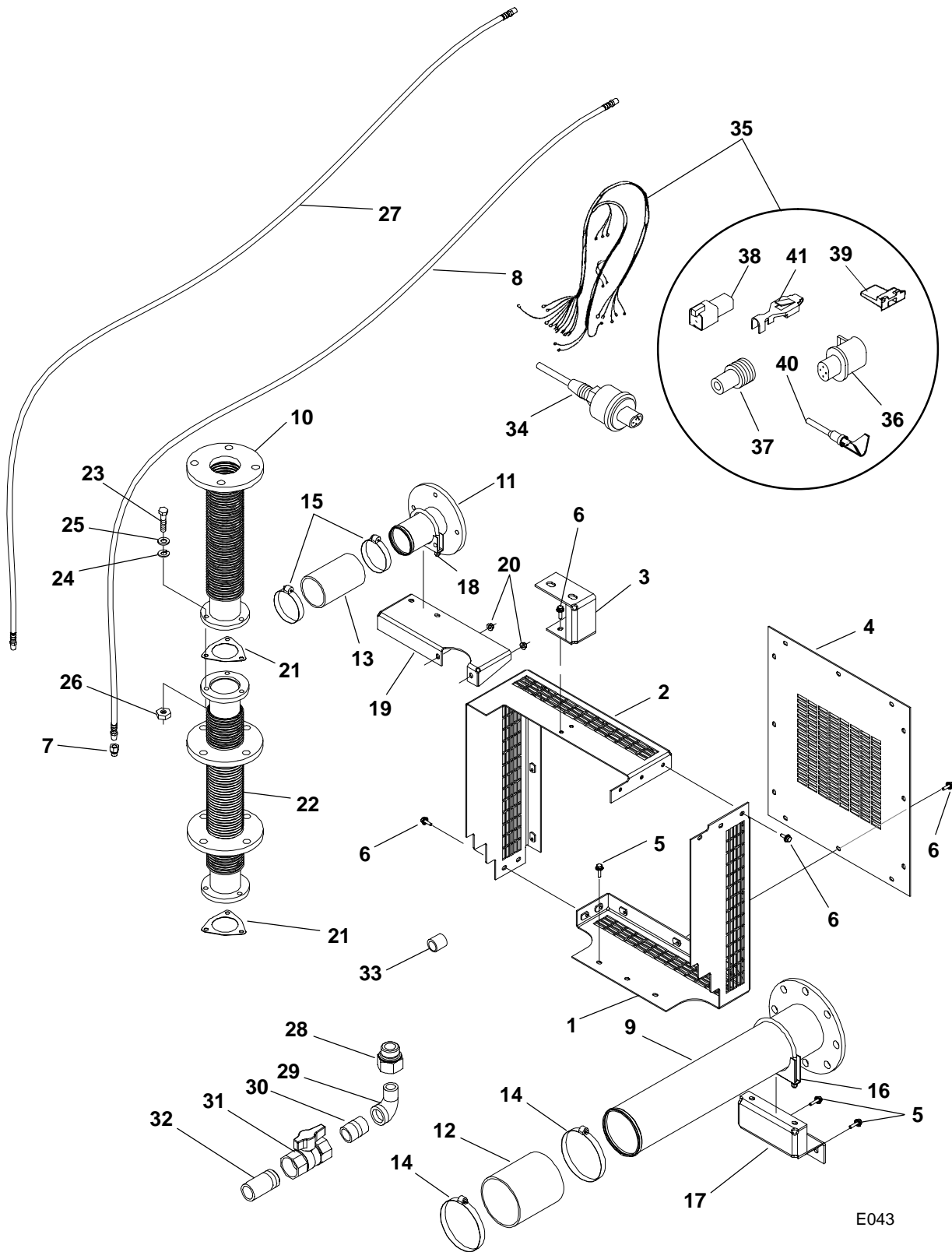
Heat Exchanger



## Heat Exchanger

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	403-4473-02	1	Skid, Heat Exchanger	39	862-0008	32	Nut, Hex (3/4-10)
2	403-4479-02	2	Frame, Expansion Tank	40	503-1726	2	Hose, Radiator (5.00 x 6.00)
3	130-3772	2	Exchanger, Heat	41	503-1872-09	4	Clamp, Hose
4	505-1441	4	Bushing, Reducer (4 x 2-1/2)	42	503-1728	8	Hose, Radiator (3.00 x 5.50)
5	505-0103	4	Nipple, Pipe (2-1/2 x 2.50)	43	503-1872-05	16	Clamp, Hose
6	505-0044	2	Elbow, Pipe	44	821-6003-03	12	Screw, Hex Head (M8 x 1.25 x 25)
7	505-0114	2	Nipple, Pipe (2-1/2 x 3.00)				
8	505-1442	2	Elbow - 90°	45	870-2065-03	12	Nut, Hex - Flange (M8 x 1.25)
9	155-0899	2	Flange, Companion (2-1/2)	46	503-1729	-	Hose, Radiator - Bulk (Order by the Foot - 5 Feet Required)
10	307-2711	2	Valve, Solenoid (24V)				
11	130-3773	1	Elbow, Heat Exchanger Outlet	47	503-1872-02	4	Clamp, Hose
12	130-5265-02	1	Manifold, Heat Exchanger	48	503-1620	-	Hose, Fuel - Bulk (Order by the Foot - 20 Feet Required)
13	130-3774	1	Manifold, Heat Exchanger Inlet				
14	130-3766	2	Tank, Expansion	49	502-1318	1	Adapter, Pipe (M14 x 1/4)
15	130-0449	2	Cap, Radiator	50	309-0635-02	1	Valve, Check
16	130-5266-02	1	Elbow, Heat Exchanger Outlet	51	505-0153	1	Coupling, Reducer (3/8 x 1/4)
17	130-5259-02	1	Tube, Water - Lower JW	52	503-2129-06	1	Line, Radiator Vent
18	130-5260-02	1	Tube, Water - Upper JW	53	503-1418	-	Hose, Fuel - Bulk (Order by the Foot - 12 Feet Required)
19	130-5261-02	1	Tube, Water - Upper JW				
20	130-5262-02	1	Tube, Water - Upper LTA	54	518-0548-08	6	Clamp, Hose
21	130-5263-02	1	Tube, Water - Lower LTA	55	821-6003-02	6	Screw, Hex Head (M8 x 1.25 x 20)
22	502-1146	3	Elbow - 45° (3/8 x 3/8)				
23	505-1429	3	Nipple, Combination	56	503-0685	10	Clamp, Hose
24	505-0011	5	Elbow, Street - 90° (1/4)	57	505-0054	5	Plug, Square Head (1/4)
25	505-0099	1	Nipple, Pipe (1/4 x .88)	58	850-2016	8	Washer, Lock - Split (M16)
26	505-0184	1	Tee, Pipe	59	800-0310-81	8	Screw, Cap - Hex Head (.625-11 x 2.25)
27	502-1162	5	Fitting, Barbed Hose				
28	720-1123	8	Screw, Cap - Hex Head (M16 x 2 x 60)	60	862-0007	8	Nut, Hex (.63-11)
29	526-0259-02	8	Washer, Flat (M16)	61	155-2503	4	Gasket, Flange
30	862-0026-58	8	Nut, Hex (M16 x 2)	62	155-2514	2	Gasket, Flange
31	720-1146	8	Screw, Cap - Hex Head (M20 x 2.5 x 60)	63	505-0019	2	Bushing, Reducer (1/2 x 3/8)
32	800-2208	8	Screw, Cap - Hex Head (M20 x 2.5 x 70)	64	504-0028	2	Cock, Drain (3/8)
33	526-0399-76	32	Washer, Flat (M20)	65	332-2921	2	Clamp, J
34	850-2020	16	Washer, Lock - Split (M20)	66	518-0561	2	Clamp
35	860-2013	16	Nut, Hex (M20 x 2.5)	67	338-3933	1	Harness, Heat Exchanger
36	526-0027	64	Washer, Flat (3/4)	68	504-0175	2	Valve, Gate (2.5")
37	850-0079	32	Washer, Lock (3/4)	69	155-3289	1	Clamp, Muffler (3")
38	800-0160	32	Screw, Cap - Hex Head (3/4-10 x 3.25)	70	130-5305-02	1	Bracket, Vent Line
				71	526-0026	2	Washer, Flat (3/8)

# Remote Radiator Spec A, B



E043

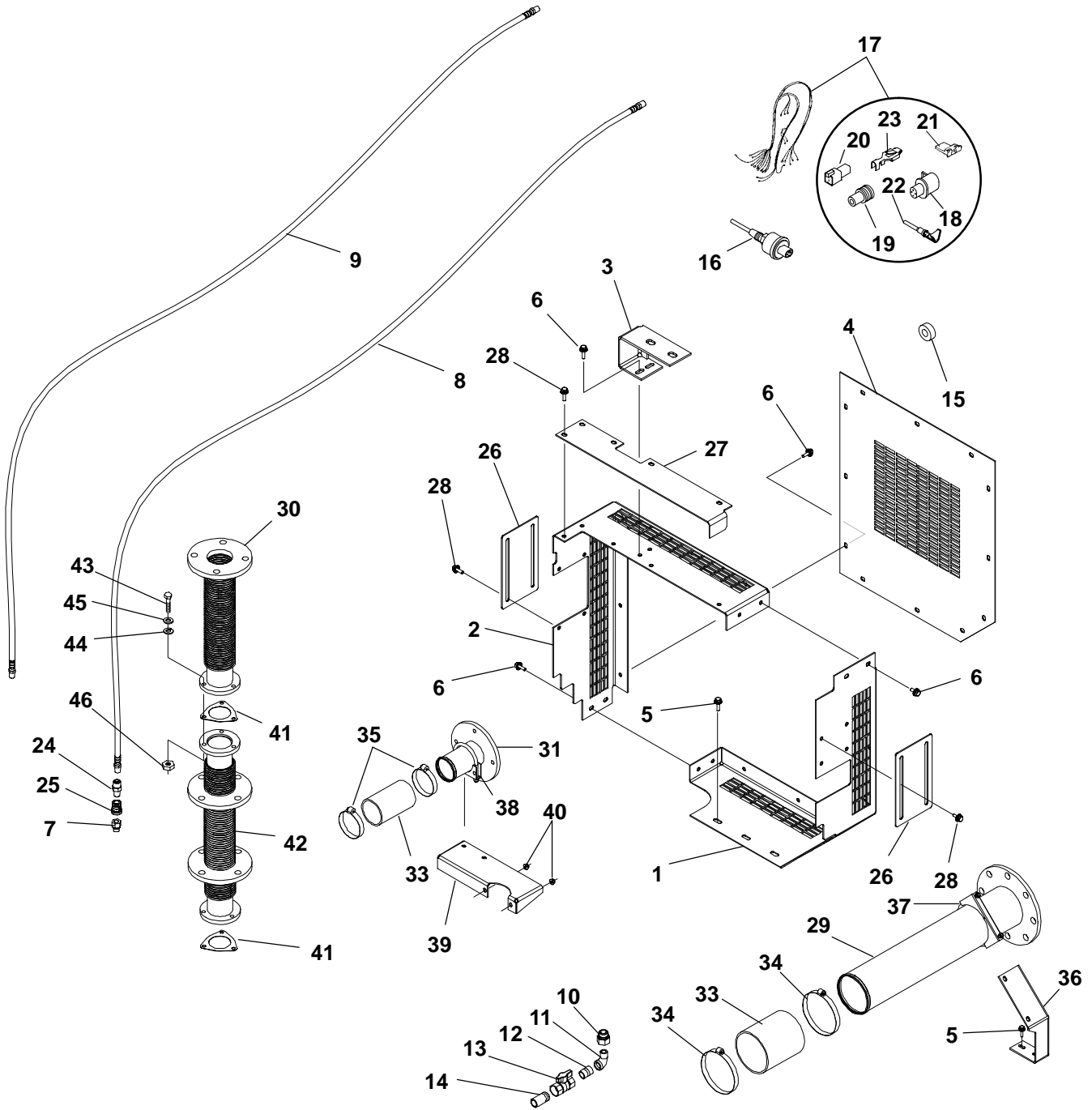


# Remote Radiator Spec A, B

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-5069-02	1	Guard, Damper (Left Side)	28	502-1326	1	Adapter, Pipe (M33 x 3/4")
2	130-5071-02	1	Guard, Damper (Right Side)	29	505-0051	1	Elbow, Pipe – Street – 90 Deg (3/4")
3	130-5145-02	1	Bracket, Guard				
4	130-5070-02	1	Cover, Damper	30	505-0012	1	Nipple, Pipe (3/4" x 1-3/8")
5	821-6003-03	5	Screw, Self-Locking – Hex Washer Head (M8 x 25mm)	31	504-0171	1	Valve, Shutoff (3/4")
6	821-6003-02	19	Screw, Self-Locking – Hex Washer Head (M8 x 20mm)	32	505-0324	1	Nipple, Pipe – Half (3/4")
7	502-1318	1	Adapter, Pipe – Brass (M14 x 1/4" Pipe)	33	370-4081	8	Spacer (1/2" x 1/2") Used With Crankshaft Pulley Mounting Bolts
8	503-2129-04	1	Line, Vent – Flexible – With Two Male Pipe Swivel Fittings (1/4" ID x 94-1/2") Left Side	34	193-0486	1	Sender, Low Coolant Level
9	130-4517	1	Tube, Water Inlet (26" Long)	35	338-3832	1	Harness, Wiring – Low Coolant Level Sender (4 Wire, 169") (Includes Parts Marked *)
10	130-3687	3	Tube, Water Outlet – Flexible				
11	130-5081-02	1	Tube, Water Inlet (5" Long)	36	323-1765	1	* Connector, Housing – 4 Place (Station 20)
12	503-1726	1	Hose (5" ID x 6")	37	323-1708	4	* Seal, Cable (Used With Station 20)
13	503-1728	1	Hose (3" ID x 5-1/2")	38	323-1549	1	* Connector, Receptacle – 4 Place (Inline G)
14	503-1872-09	2	Clamp, Hose (5" ID)	39	323-1547	1	* Wedge, Receptacle (Used With Inline G)
15	503-1872-05	2	Clamp, Hose (3" ID)	40	323-1491	4	* Pin, Contact (Used With Inline G)
16	155-3290	1	Clamp, Tube (5" ID)	41	323-1709	4	* Socket, Contact (Used With Station 20)
17	130-5168-02	1	Bracket, Tube				
18	155-3289	1	Clamp, Tube (3" ID)				
19	130-5082-02	1	Bracket, Mounting				
20	870-2065-03	2	Nut, Hex (M8)				
21	130-3684	6	Gasket				
22	130-5084-02	3	Tube, Water Outlet – Flexible				
23	800-3017-41	9	Screw, Cap – Hex Head (M10 x 45mm)				
24	526-0399-62	9	Washer, Flat (M10)				
25	850-0114-55	9	Washer, Lock – Spring (M10)				
26	862-0026-56	9	Nut, Hex (M10)				
27	503-2129-05	1	Line, Vent – Flexible – With One Male Pipe Swivel and One Female Pipe Swivel With O-Ring Face Seal (1/4" ID x 94-1/2") Right Side				

\* – Parts Included In 338-3832 Wiring Harness

# Remote Radiator Spec C

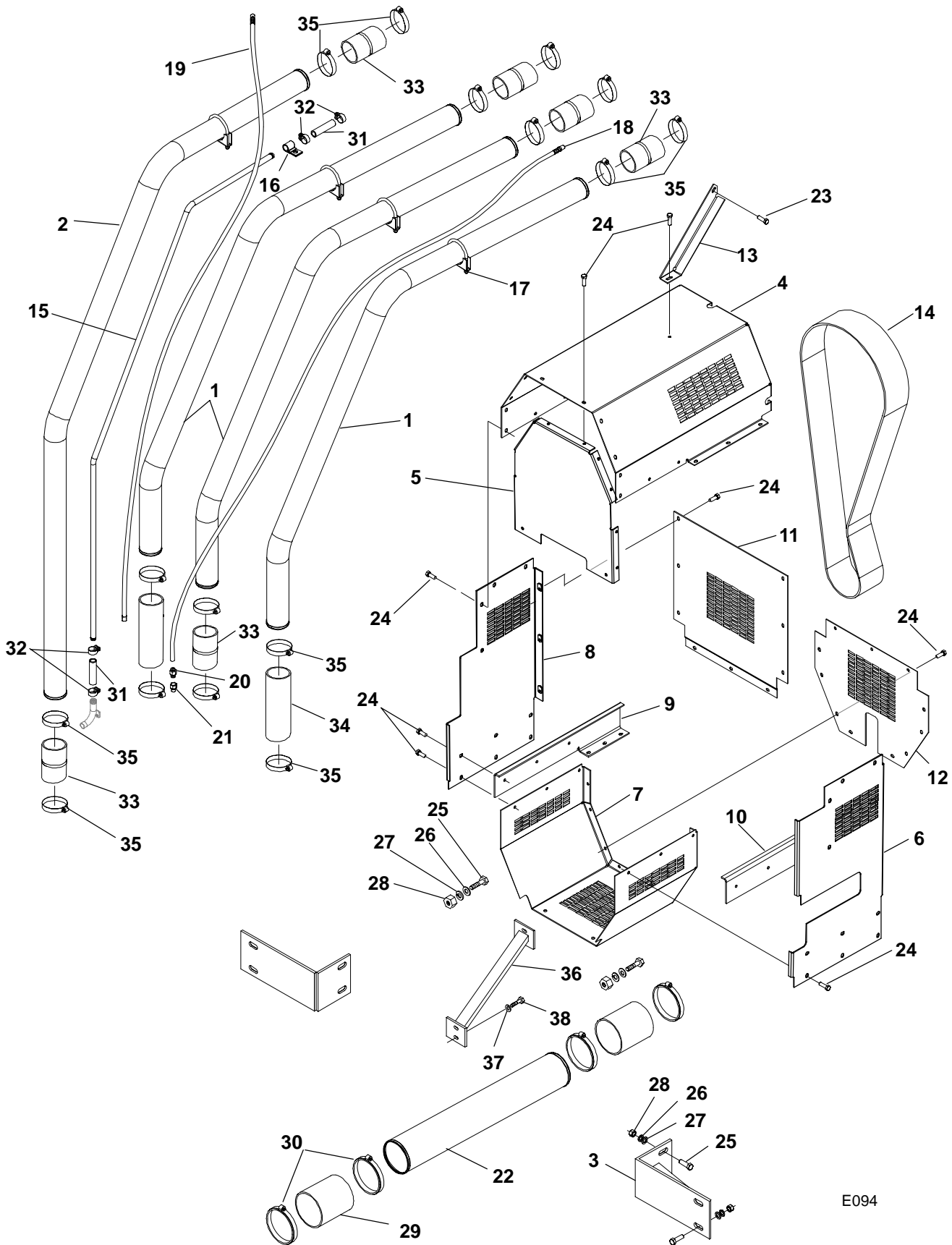


## Remote Radiator Spec C

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-5279-02	1	Guard, Damper (Left Side)	22	323-1491	4	* Pin, Contact (Used With Inline G)
2	130-5280-02	1	Guard, Damper (Right Side)	23	323-1709	4	* Socket, Contact (Used With Station 20)
3	130-5281-02	1	Bracket, Guard	24	309-0635-02	1	Valve, Check
4	130-5282-02	1	Cover, Damper	25	505-0153	1	Coupling, Reducer (3/8 x 1/4)
5			Screw, Hex Head (M8 x 1.25 x 25)	26	130-5390-02	2	Plate, Cover
	821-6003-03	3	Without Flanges	27	130-5393-02	1	Plate, Cover (Top)
	821-6003-03	5	With Flanges	28	821-6003-01	13	Screw, Hex Head (M8 x 1.25 x 16)
	821-6003-03	5	With Heat Exchanger	29	130-4517	1	Tube, Water Inlet
6	821-6003-02	18	Screw, Hex Head (M8 x 1.25 x 20)	30	130-3687	3	Tube, Water Outlet – Flexible
7	502-1318	1	Adapter, Pipe (M14 x 1/4)	31	130-5081-02	1	Tube, Water Inlet
8	503-2129-05	1	Line, Radiator Vent	32	503-1726	1	Hose, Radiator (5.00 x 6.00)
9	503-2129-04	1	Line, Radiator Vent	33	503-1728	1	Hose, Radiator (3.00 x 5.50)
10	502-1326	1	Adapter, Pipe (M33 x 3/4)	34	503-1872-09	2	Clamp, Hose
11	505-0051	1	Elbow, Street – 90° (3/4)	35	503-1872-05	2	Clamp, Hose
12	505-0012	1	Nipple, Pipe (3/4 x 1.38)	36	130-5168-02	1	Bracket, Tube
13	504-0171	1	Valve	37	150-3290	1	Clamp, Muffler (5")
14	505-0324	1	Nipple, Half (3/4)	38	150-3289	1	Clamp, Muffler (3")
15	370-4081	8	Spacer	39	130-5082-02	1	Bracket, Water Inlet
16	193-0486	1	Sender, Low Coolant Level	40	870-2065-03	2	Nut, Hex – Flange (M8)
17	338-3832	1	Harness, Wiring – Low Coolant Level Sender (4 Wire, 169") (Includes Parts Marked *)	41	130-3684	6	Gasket
18	323-1765	1	* Connector, Housing – 4 Place (Station 20)	42	130-5084-02	3	Tube, Water Outlet – Flexible
19	323-1708	4	* Seal, Cable (Used With Station 20)	43	800-3017-41	9	Screw, Cap – Hex Head (M10 x 1.5 x 45)
20	323-1549	1	* Connector, Receptacle – 4 Place (Inline G)	44	526-0399-62	9	Washer, Flat (M10)
21	323-1547	1	* Wedge, Receptacle (Used With Inline G)	45	850-0114-55	9	Washer, Lock – Split (M10)
				46	862-0026-56	9	Nut, Hex (M10 x 1.5)

\* – Parts Included In 338-3832 Wiring Harness

# Radiator Tubes Spec A

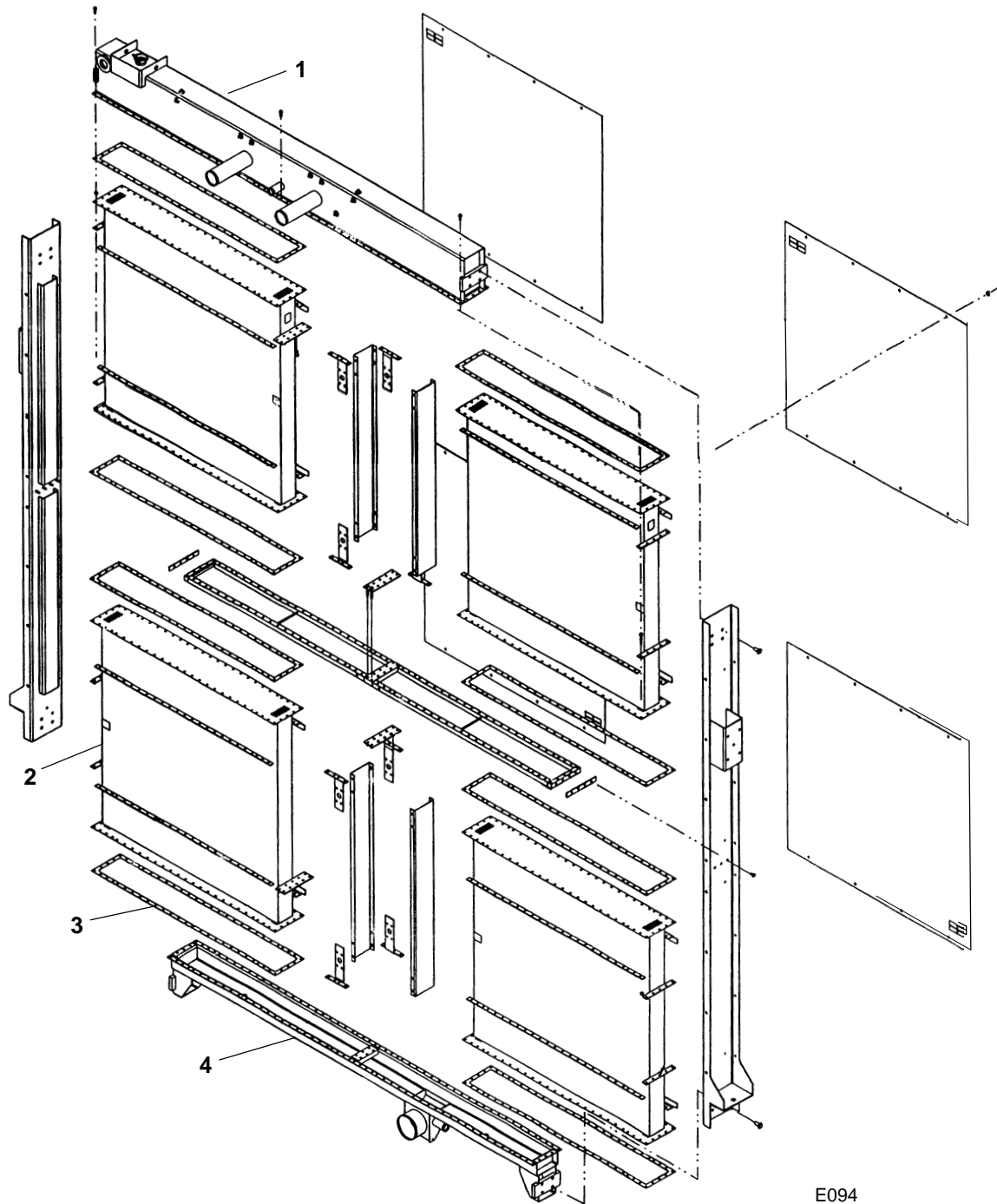


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## Radiator Tubes Spec A

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-4908-02	3	Tube, Radiator	21	502-1318	1	Adapter, Pipe (M14 x 1/4" Pipe)
2	130-4914-02	1	Tube, Radiator	22	130-5067-02	1	Tube, Radiator – Lower
3	130-4919-02	2	Brace, Skid	23	821-6003-03	1	Screw, Self-Locking – Hex Washer Head (M8 x 25mm)
4	130-4921-02	1	Guard, Fan Drive – Upper	24	821-6003-02	56	Screw, Self-Locking – Hex Washer Head (M8 x 20mm)
5	130-4934-02	1	Guard, Fan Drive – Rear	25	720-1146	16	Screw, Cap – Hex Head (M20 x 60mm)
6	130-4936-02	1	Guard, Fan Drive – Left Side	26	526-2203	16	Washer, Flat (M20)
7	130-4937-02	1	Guard, Fan Drive – Bottom	27	850-2020	16	Washer, Lock – Spring (M20)
8	130-4935-02	1	Guard, Fan Drive – Right Side	28	860-2013	16	Nut, Hex (M20)
9	130-4946-02	1	Bracket, Guard – Right Side	29	503-1726	2	Hose, Radiator (5" ID x 6")
10	130-4947-02	1	Bracket, Guard – Left Side	30	503-1872-09	4	Clamp, Hose
11	130-4950-02	1	Guard, Fan Drive – Front – Upper	31	503-1634-01	2	Hose, Rubber (3/4" ID x 4")
12	130-4951-02	1	Guard, Fan Drive – Front – Lower	32	503-1136	4	Clamp, Hose
13	130-4966-02	1	Bracket, Shroud Guard – Upper	33	503-1728	6	Hose, Radiator (3" ID x 5-1/2")
14	511-0161-17	1	Belt, V Ribbed	34	503-1727	2	Hose, Radiator (3" ID x 10")
15	130-5045-02	1	Tube, Fill	35	503-1872-05	16	Clamp, Hose
16	518-0548-19	1	Clamp, Retainer (3/4" ID)	36	130-5085-02	1	Bracket, Post
17	155-3289	4	Clamp, Tube (3" ID)	37	526-0399-62	4	Washer, Flat (M10)
18	503-2129-03	1	Line, Radiator Vent (1/4" ID x 101")	38	800-3017-38	4	Screw, Cap – Hex Head (M10 x 30mm)
19	503-2129-05	1	Line, Radiator Vent (1/4" ID x 94-1/2")				
20	309-0635-02	1	Valve, Check (1/4" Pipe to 3/8" Pipe)				

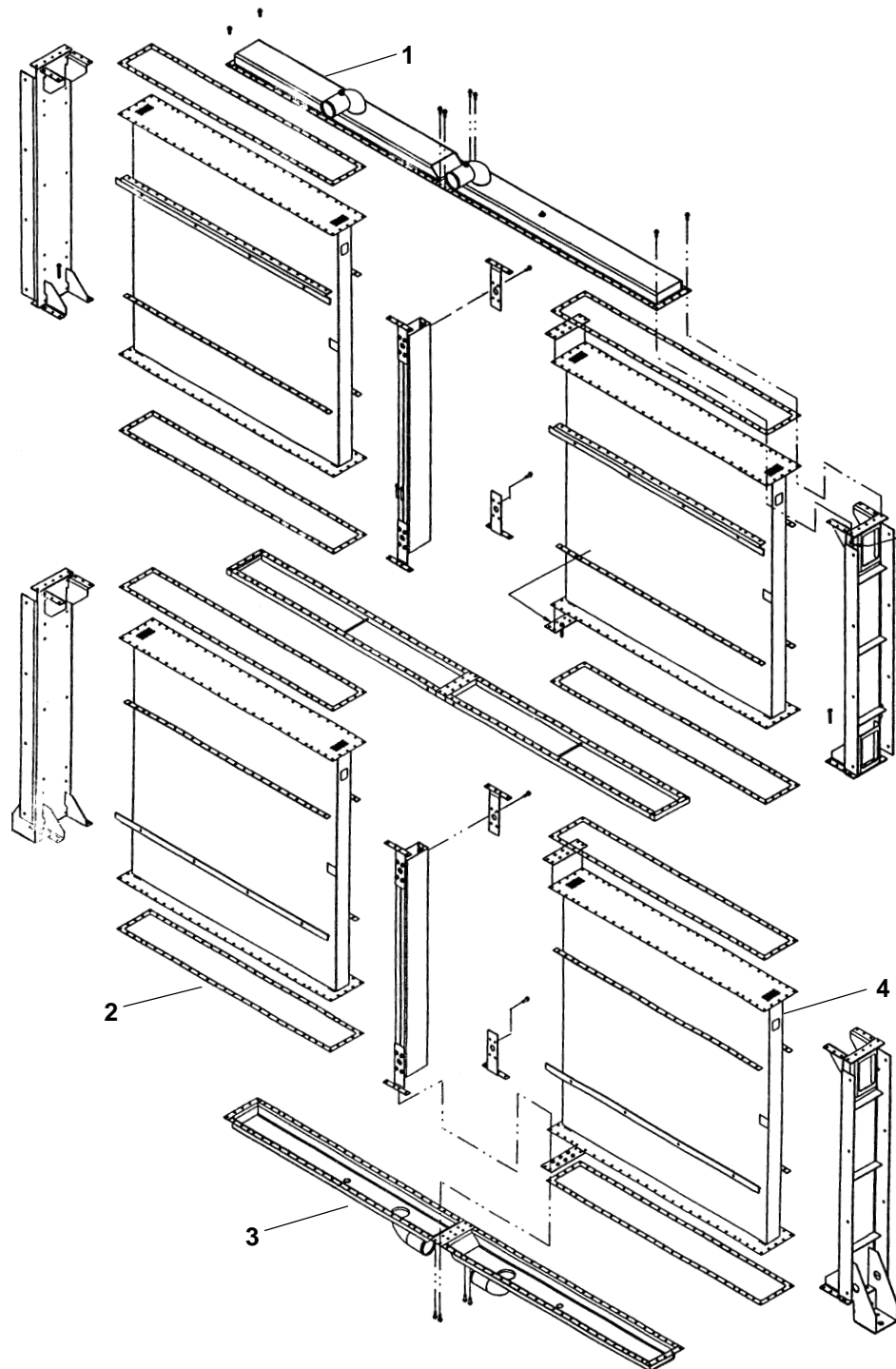
# Jacketwater Spec A



E094

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	130-5101	1	Jacketwater – Complete (Includes Replaceable Parts Listed Below)	2	130-5096	4	Core
1	130-5097	1	Tank, Top	3	130-5099	8	Gasket
				4	130-5098	1	Tank, Bottom

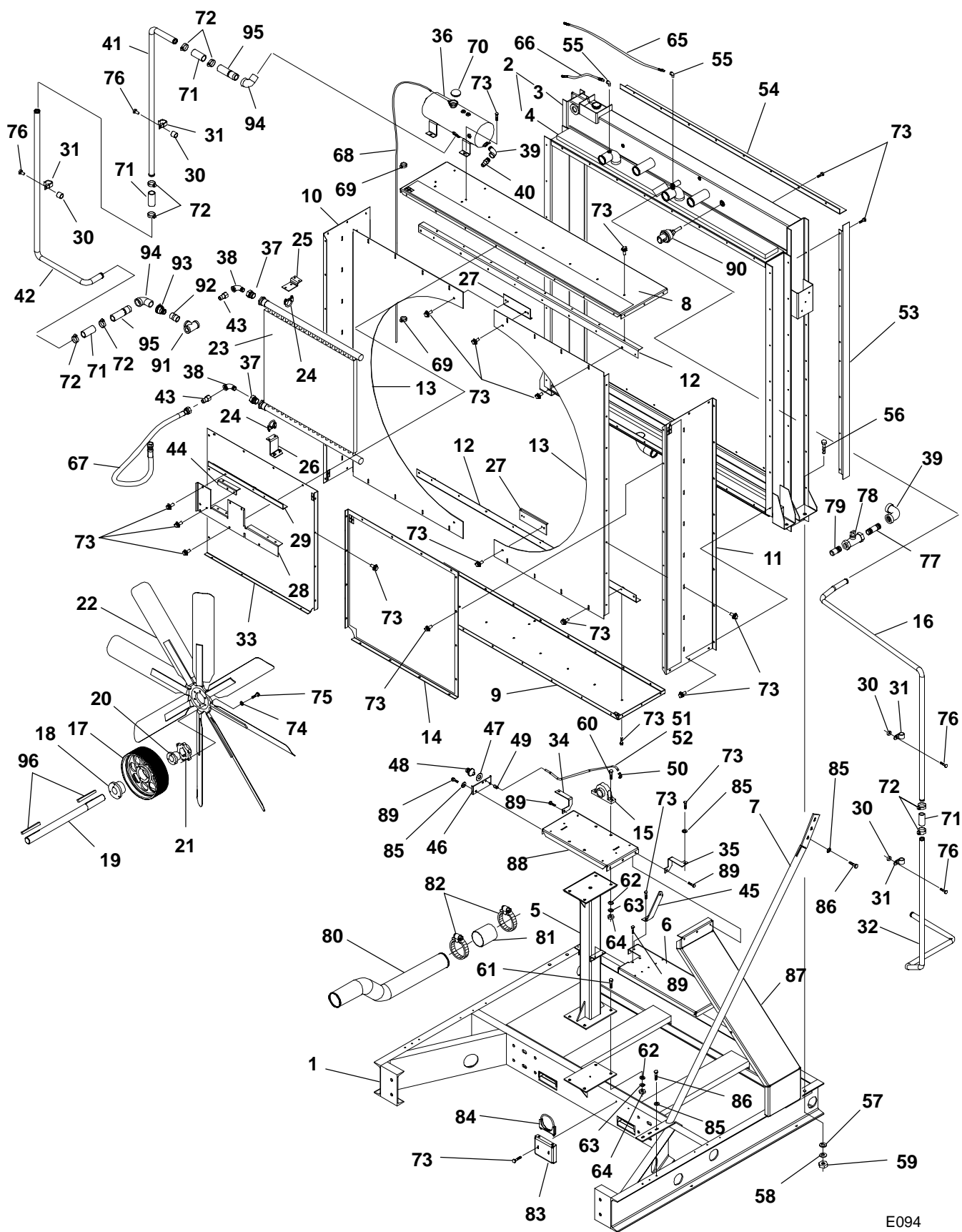
# Aftercooler Spec A



E094

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	130-5102	1	Aftercooler – Complete (Includes Replaceable Parts Listed Below)	2	130-5099	8	Gasket
1	130-5104	1	Tank, Top	3	130-5103	1	Tank, Bottom
				4	130-5105	4	Core

Radiator  
Spec A



E094

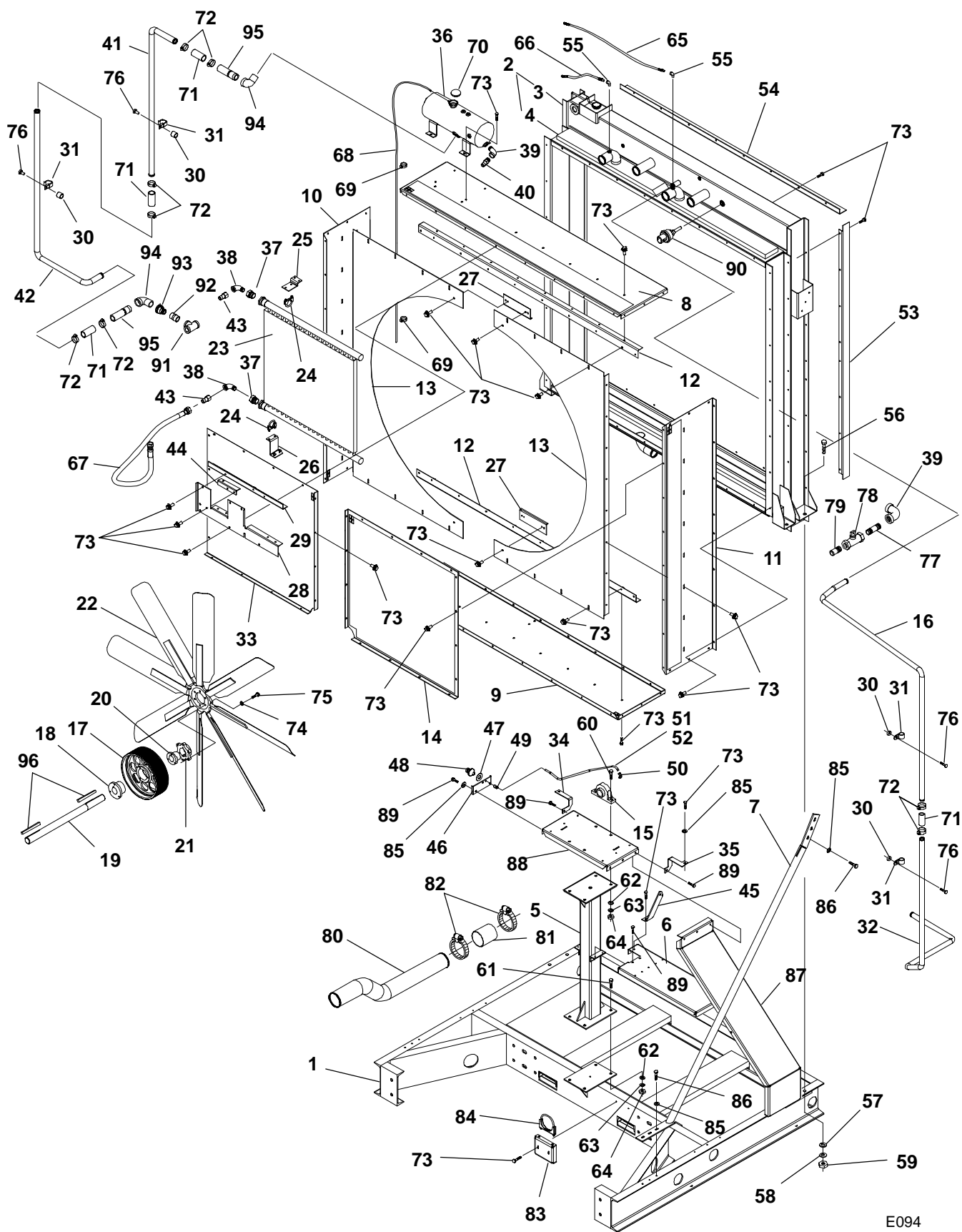


## Radiator Spec A

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-4896-02	1	Skid, Radiator	40	502-0836	1	Fitting, Brass – Hose –
2	130-4885	1	Radiator (Includes				Barbed (3/4" Pipe to 3/4"
			Jacketwater, Aftercooler,	41	130-5119-02	1	Hose)
			Cap, Overflow Hose and	42	130-5118-02	1	Tube, Fill – Upper
	130-3588	1	Sight Gauge Service Parts)	43	502-0656	2	Tube, Fill – Lower
			Radiator Cap (Not				Adapter, Male (1–5/16–12
			Illustrated)				Tubing to 1" Pipe)
	503-1418	–	Overflow Hose – Bulk	44	130-4976-02	1	Bracket, Clamp
			(1/4" ) (Order By The	45	130-4967-02	1	Bracket, Shroud Guard –
			Foot – 11 Feet				Lower
			Required) (Not	46	130-5061-02	1	Bracket, Lube
			Illustrated)	47	526-0346	2	Washer, Flat (3/8")
	130-4362	1	Sight Gauge Service	48	518-0064	2	Fitting, Grease
			Parts (Includes Glass	49	505-1435	2	Connector, Pipe – Female
			Bulb and "O" Ring) (Not				(1/8")
			Illustrated)	50	505-1436	2	Connector, Pipe – Elbow
3	–	1	Jacketwater (See Separate				(1/8")
			Page For Components)	51	503-1745	–	Hose – Bulk – Front Grease
4	–	1	Aftercooler (See Separate				Fitting (Order By The Foot
			Page For Components)				– 2 Feet Required)
5	130-5037-02	1	Post, Fan Drive	52	503-1745	–	Hose – Bulk – Rear Grease
6	130-5036-02	2	Tray, Fan Drive – Lower				Fitting (Order By The Foot
7	130-4897-02	2	Support, Radiator				– 2 Feet Required)
8	130-4900-02	1	Shroud, Fan – Top	53	130-4938-02	2	Adapter, Duct – Sides
9	130-4900-04	1	Shroud, Fan – Bottom	54	130-4939-02	2	Adapter, Duct – Top and
10	130-4901-04	1	Wrapper, Fan Shroud – Right				Bottom
			Side	55	505-0011	5	Elbow, Pipe – Street – 90
11	130-4901-02	1	Wrapper, Fan Shroud – Left				Deg (1/4")
			Side	56	800-2206	4	Screw, Cap – Hex Head
12	130-4902-02	2	Bracket, Fan Shroud				(M20 x 60mm)
13	130-4903-02	2	Shroud, Fan Face	57	526-2203	4	Washer, Flat (M20)
14	130-4904-02	2	Guard, Shroud	58	850-2020	4	Washer, Lock – Spring (M20)
15	510-0194	2	Bearing, Pillow Block	59	860-2013	4	Nut, Hex (M20)
16	130-4910-02	1	Tube, Fill – Upper	60	800-2177	4	Screw, Cap – Hex Head
17	130-4888-02	1	Pulley, Fan				(M16 x 60mm)
18	130-3652	1	Bushing, Pulley (Includes	61	800-2174	4	Screw, Cap – Hex Head
			Mounting Hardware)				(M16 x 45mm)
19	130-4920	1	Shaft, Fan Drive	62	526-2183	8	Washer, Flat (M16)
20	512-0203	1	Bushing, Fan	63	850-2016	8	Washer, Lock – Spring (M16)
21	130-4999	1	Hub, Fan	64	860-2012	8	Nut, Hex (M16)
22	130-4940	1	Fan (8 Blade)	65	503-2129-02	1	Line, Radiator Vent (1/4" ID x
23	130-5064	1	Cooler, Fuel				40")
24	155-3288	4	Clamp (2" ID)	66	503-2129-01	1	Line, Radiator Vent (1/4" ID x
25	130-4952-02	2	Bracket, Fuel Cooler – Upper				15")
26	130-4953-02	2	Bracket, Fuel Cooler – Lower	67	501-0678-01	1	Line, Fuel – Flexible (7/8" ID
27	130-4955-02	2	Support, Shroud				x 89")
28	130-4974-02	1	Bracket, Clamp	68	503-1418	–	Hose, Rubber – Bulk (1/4" ID)
29	130-4975-02	1	Bracket, Clamp				(Order By The Foot – 11
30	130-3660	4	Spacer (1/2" ID x 1–1/4" OD				Feet Required)
			x 3/8" Thk)	69	518-0548-25	2	Clamp, Hose (3/8" ID)
31	518-0633	4	Clip, "J" (1–1/2" ID)	70	130-0449	1	Cap, Expansion Tank
32	130-5032-02	1	Tube, Fill – Lower	71	503-1863	6	Hose, Radiator (1–1/2" ID x
33	130-5033-02	2	Guard, Shroud				4")
34	130-5046-02	1	Stiffener, Guard – Right Side	72	503-1872-02	12	Clamp, Hose
35	130-5047-02	1	Stiffener, Guard – Left Side				
36	130-5062-02	1	Tank, Expansion				
37	505-0394	2	Bushing, Pipe – Reducer (2"				
			to 1")				
38	505-0003	2	Elbow, Pipe – Street (1")				
39	505-0051	3	Elbow, Pipe – 90 Deg (3/4")				

Continued...

Radiator  
Spec A

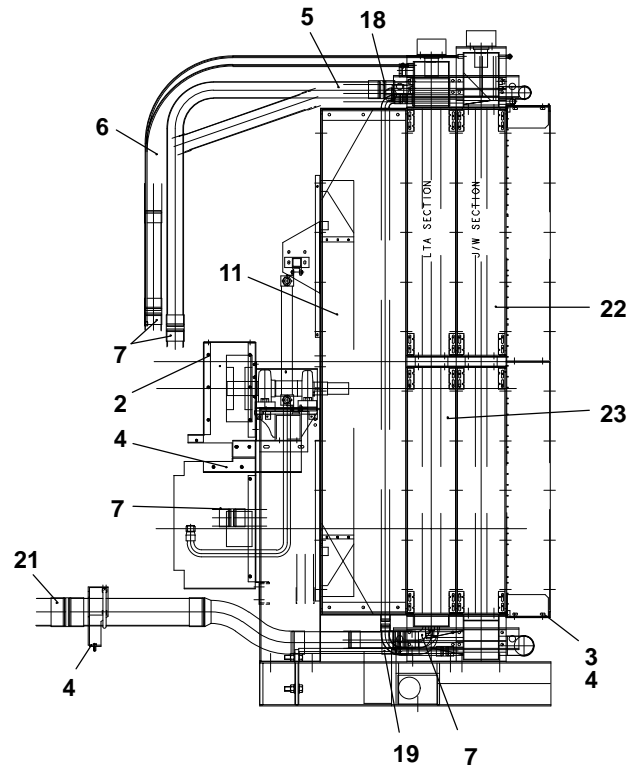
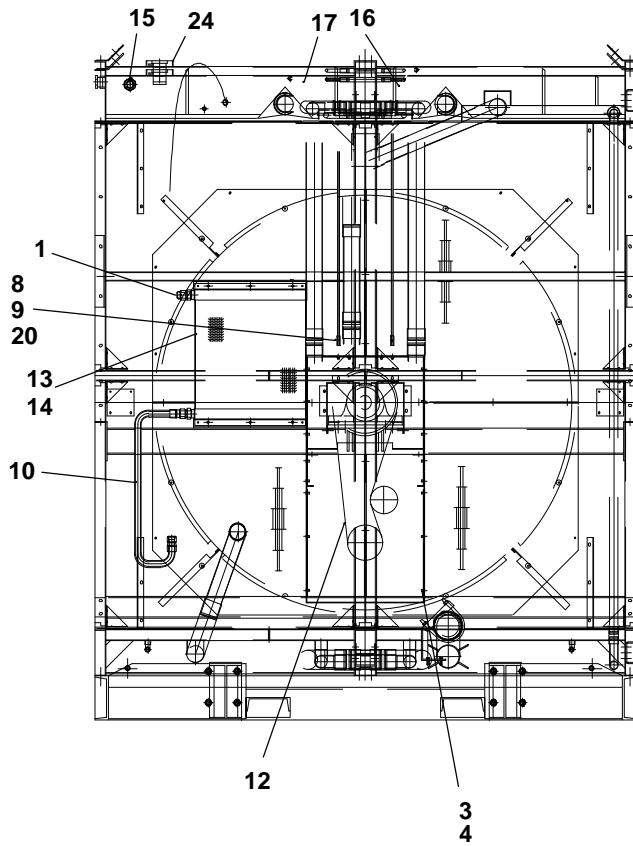


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## Radiator Spec A

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
Continued...							
73	821-6003-02	175	Screw, Self-Locking – Hex Washer Head (M8 x 20mm)	86	800-3017-38	12	Screw, Cap – Hex Head (M10 x 30mm)
74	526-0219	6	Washer, Flat (1/2")	87	130-5034-02	2	Mount, Fan Drive – Side
75	800-0094	6	Screw, Cap – Hex Head (1/2-13 x 2")	88	130-5035-02	1	Tray, Fan Drive – Upper
76	821-6003-03	5	Screw, Self-Locking – Hex Washer Head (M8 x 25mm)	89	800-3017-37	20	Screw, Cap – Hex Head (M10 x 25mm)
77	505-0012	3	Nipple, Pipe (3/4" x 1-3/8")	90	193-0486	1	Sender, Low Coolant Level
78	504-0171	2	Valve, Shutoff (3/4")	91	505-0060	1	Tee, Pipe (3/8")
79	505-0324	2	Nipple, Pipe – Half (3/4")	92	505-0102	1	Nipple, Pipe – Close (3/4")
80	130-4907-02	1	Tube, Lower Radiator	93	505-1561	1	Coupling, Pipe – Reducer (1-1/2" to 3/4")
81	503-1726	1	Hose, Radiator (5" ID x 6")	94	505-0462	2	Elbow, Pipe – Street – 90 Deg (1-1/2")
82	503-1872-09	2	Clamp, Hose	95	505-1429	2	Nipple, Pipe – Combination (1-1/2" Pipe to 1-1/2" Hose)
83	130-5066-02	1	Bracket, Radiator Tube				
84	155-3290	1	Clamp, Tube (5" ID)				
85	526-0399-62	32	Washer, Flat (M10)	96	515-0220	2	Key (1/2" x 1/2")

# Radiator Begin Spec B

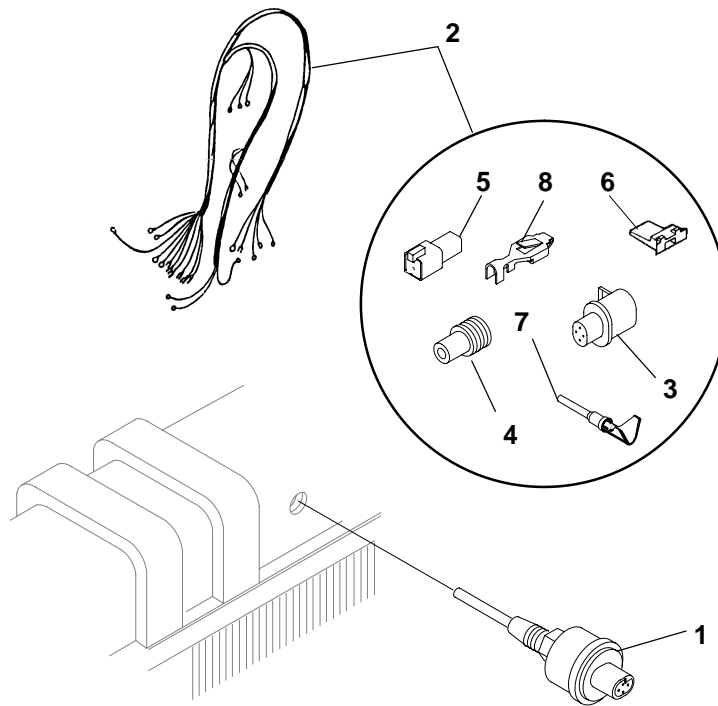


## Radiator Begin Spec B

For replacement parts not listed below contact Bearward Engineering Limited.

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-5417	1	Adapter, Pipe	28	130-5334	A/R	* Bolt, Fan
2	130-5418	43	Bolt (M6 x 20)	29	130-5333	A/R	* Washer, Fan Bolt
3	130-5419	19	Nut (M8)	30	130-5332	A/R	* Washer, Fan
4	130-5420	25	Bolt (M8 x 25)	31	130-5331	A/R	* Shaft, Fan
5	130-5357	1	Hose, Elbow – LTA (Radiator)	32	130-5330	A/R	* Bearing, Pulley (UCP313)
6	130-5358	1	Hose, Elbow – LTA (Engine)	33	130-5329	A/R	* Bearing, Fan (UCP312)
7	130-5359	5	Hose (3")	34	130-5337	A/R	* Bushing, Taper Lock
8	130-5414	1	Plug, Pipe (1/4")	35	130-5336	A/R	* Pulley, Fan
9	130-5415	1	Connector (1/4")	36	130-5343	A/R	* Valve, Ball (1/2")
10	130-5416	1	Line, Fuel	37	130-5346	A/R	* Tube, Vent (Interconnecting)
11	130-5335	1	Fan (75" Impeller)	<b>Radiator Kits</b>			
12	130-5338	1	Belt	38	130-5351	A/R	* Kit – Fill Pipe
13	130-5339	1	Cooler, Fuel	39	130-5348	A/R	* Kit – Connecting Pipe (LTA Tank)
14	130-5340	2	Isolator, Vibration (Fuel Cooler)	40	130-5347	A/R	* Kit – Connecting Pipe (JW Bottom Tank)
15	130-5342	2	Sight, Glass	41	130-5345	A/R	* Kit – Connecting Pipe (JW Top Tank)
16	130-5349	1	Tube, Vent (JW)	42	130-5344	A/R	* Kit – Connecting Pipe (JW Baffle)
17	130-5350	1	Tube, Vent (LTA)	43	130-5341	A/R	* Kit – Bearing Lube
18	130-5352	2	Hose, Angle (8 Deg.)	* – Not Illustrated			
19	130-5354	1	Hose (4") (JW)				
20	130-5355	1	Adapter, Pipe (1/4")				
21	130-5356	1	Hose (5") (JW)				
22	130-5321	1	Core (JW)				
23	130-5322	1	Core (LTA)				
24	130-5325	2	Cap, Radiator				
25	130-5328	A/R	* Strap, Tank				
26	130-5327	A/R	* Strap, Tank				
27	130-5326	A/R	* Gasket, Tank				

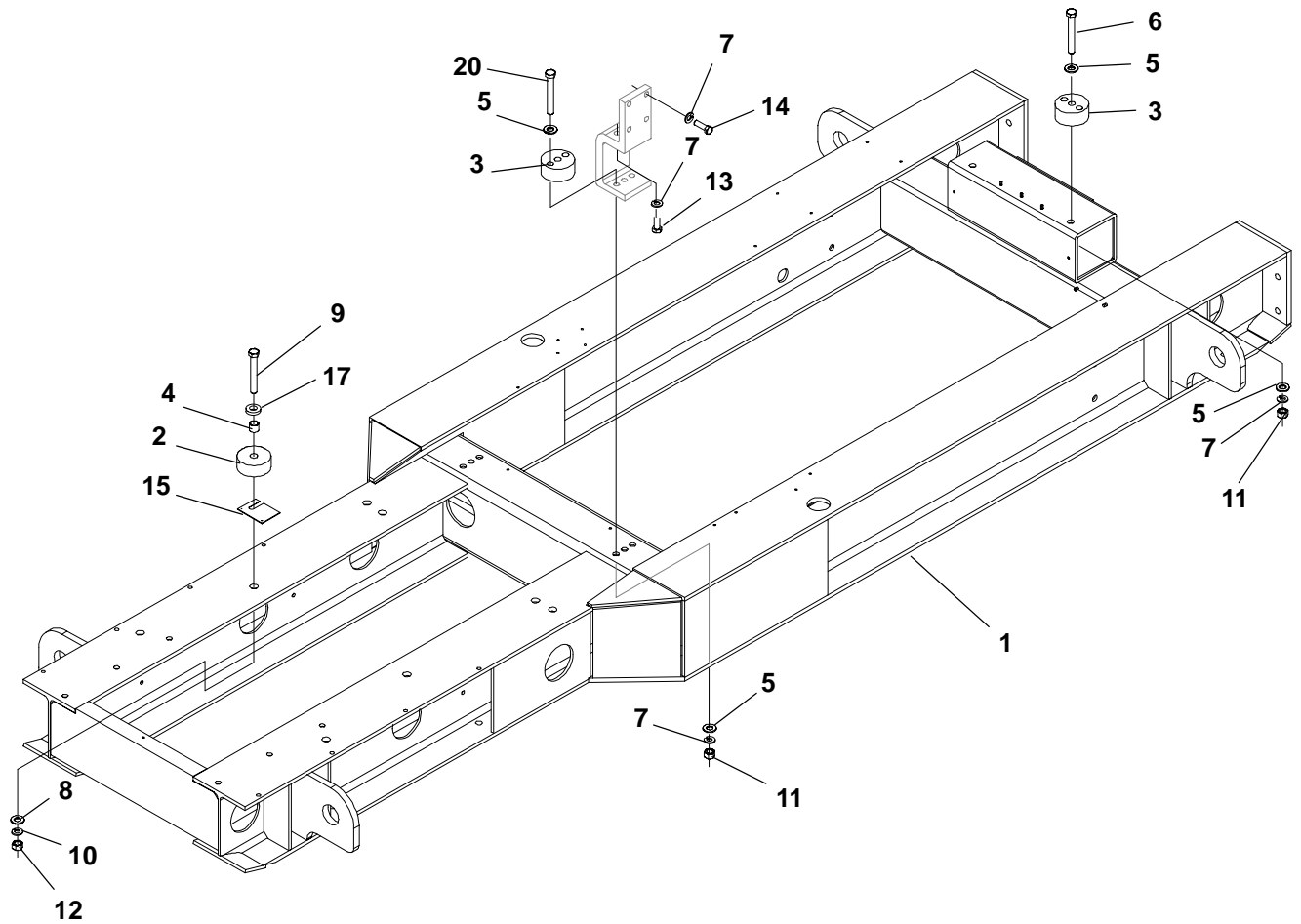
## Low Coolant Level Sender Generator Sets Without Remote Radiator



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	193-0486	1	Sender, Low Coolant Level	6	323-1547	1	* Wedge, Receptacle (Used With Inline G)
2	338-3832	1	Harness, Wiring – Low Coolant Level Sender (4 Wire, 169") (Includes Parts Marked *)	7	323-1491	4	* Pin, Contact (Used With Inline G)
3	323-1765	1	* Connector, Housing – 4 Place (Station 20)	8	323-1709	4	* Socket, Contact (Used With Station 20)
4	323-1708	4	* Seal, Cable (Used With Station 20)				
5	323-1549	1	* Connector, Receptacle – 4 Place (Inline G)				

\* – Parts Included In 338-3832 Wiring Harness

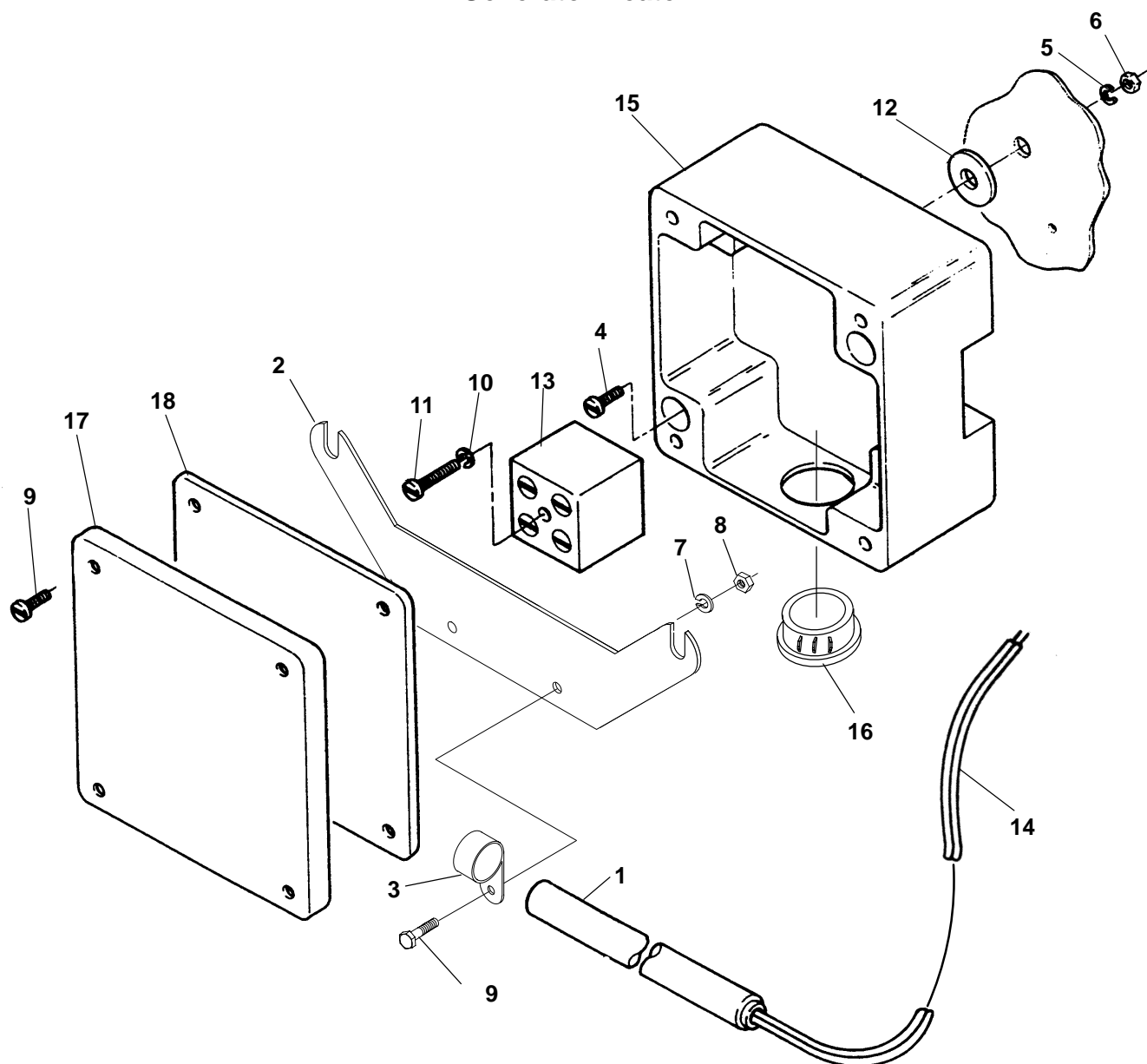
## Skid



CP01

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	403-4351-02	1	Skid	9	800-3048-01	4	Screw, Cap – Hex Head (M24 x 3 x 170mm)
2	232-4061	4	Spacer, Generator Mounting (1-1/16" ID x 5" OD x 2-1/8" Thk)	10	850-2024	4	Washer, Lock – Spring (M24)
3	403-4332	4	Spacer, Engine Mounting (1" ID x 5" OD x 2-9/32" Thk)	11	860-2023-01	6	Nut, Hex (M20)
4	403-4303-01	4	Bushing Frame 7 Generators (1-1/16" ID x 1-5/16" OD x 1-3/16" Long)	12	860-2024-01	4	Nut, Hex (M24)
	403-4303-02	4	Frame 8 Generators (1-1/16" ID x 1-19/32" OD x 1-3/8" Long)	13	800-2208	4	Screw, Cap – Hex Head (M20 x 70mm)
5	526-0399-76	12	Washer, Flat (M20)	14	800-2206	8	Screw, Cap – Hex Head (M20 x 60mm)
6	800-3047-02	2	Screw, Cap – Hex Head (M20 x 160mm)	15			Shim, Generator Mounting (Quantity Used As Required)
7	850-2020	18	Washer, Lock – Spring (M20)		232-3710-01	1	1/64" Thk
8	526-0399-78	4	Washer, Flat (M24)		232-3710-02	1	5/64" Thk
					232-3710-03	1	7/64" Thk
				16	800-3047-03	4	Screw, Cap – Hex Head (M20 x 2.5 x 130mm)
				17	526-0460-02	4	Washer, Generator Mounting

## Generator Heater

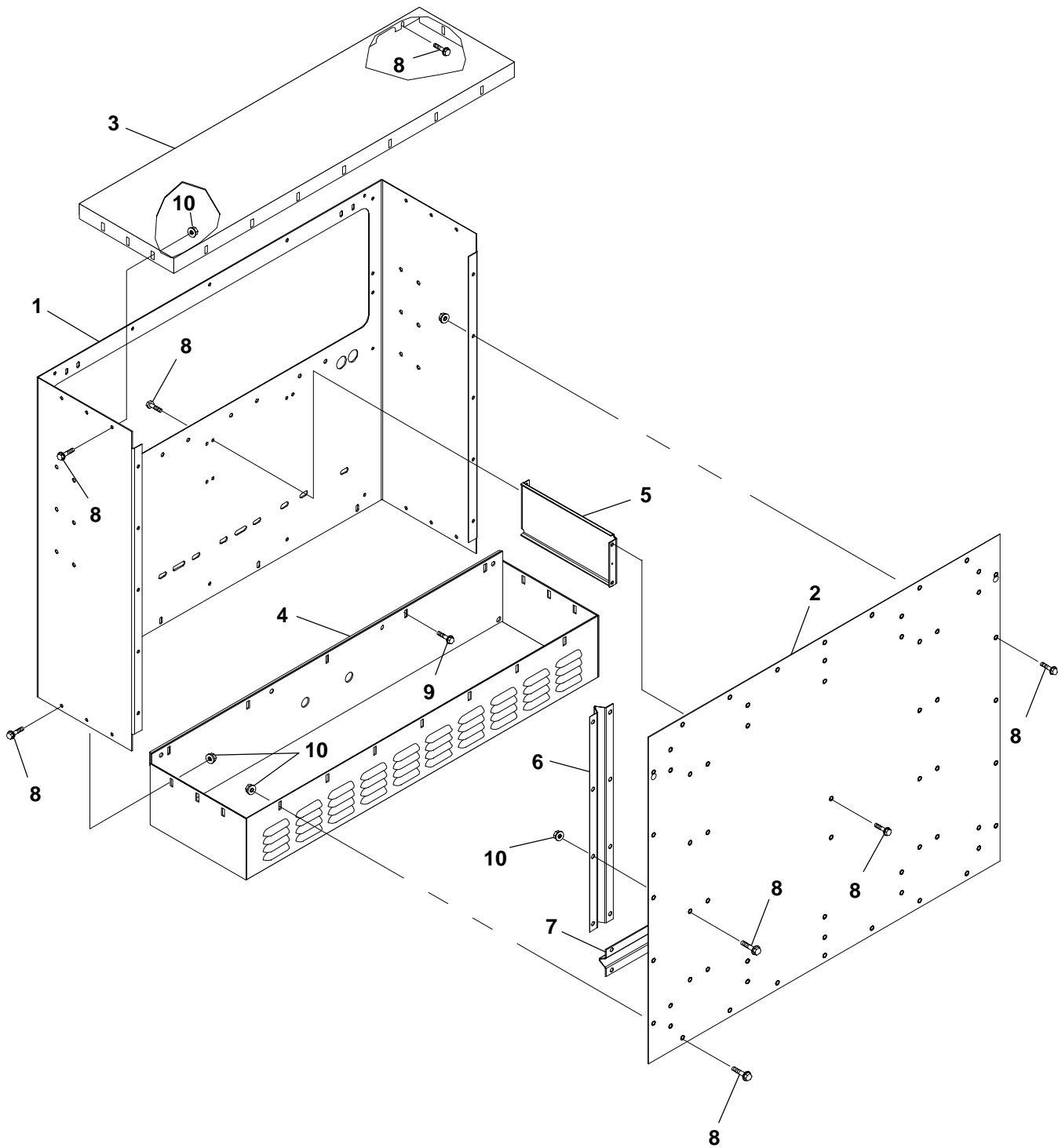


REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	333-0438-05	1	Cartridge, Heater (300 Watt)	10	850-2003	1	Washer, Lock – Spring (M3)
	333-0438-06	1	120 Volt	11	822-3047	1	Screw, Machine – Pan Head (M3 x 20mm)
2	232-3849	1	240 Volt	12	508-0228	1	Grommet
3	332-3024-14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



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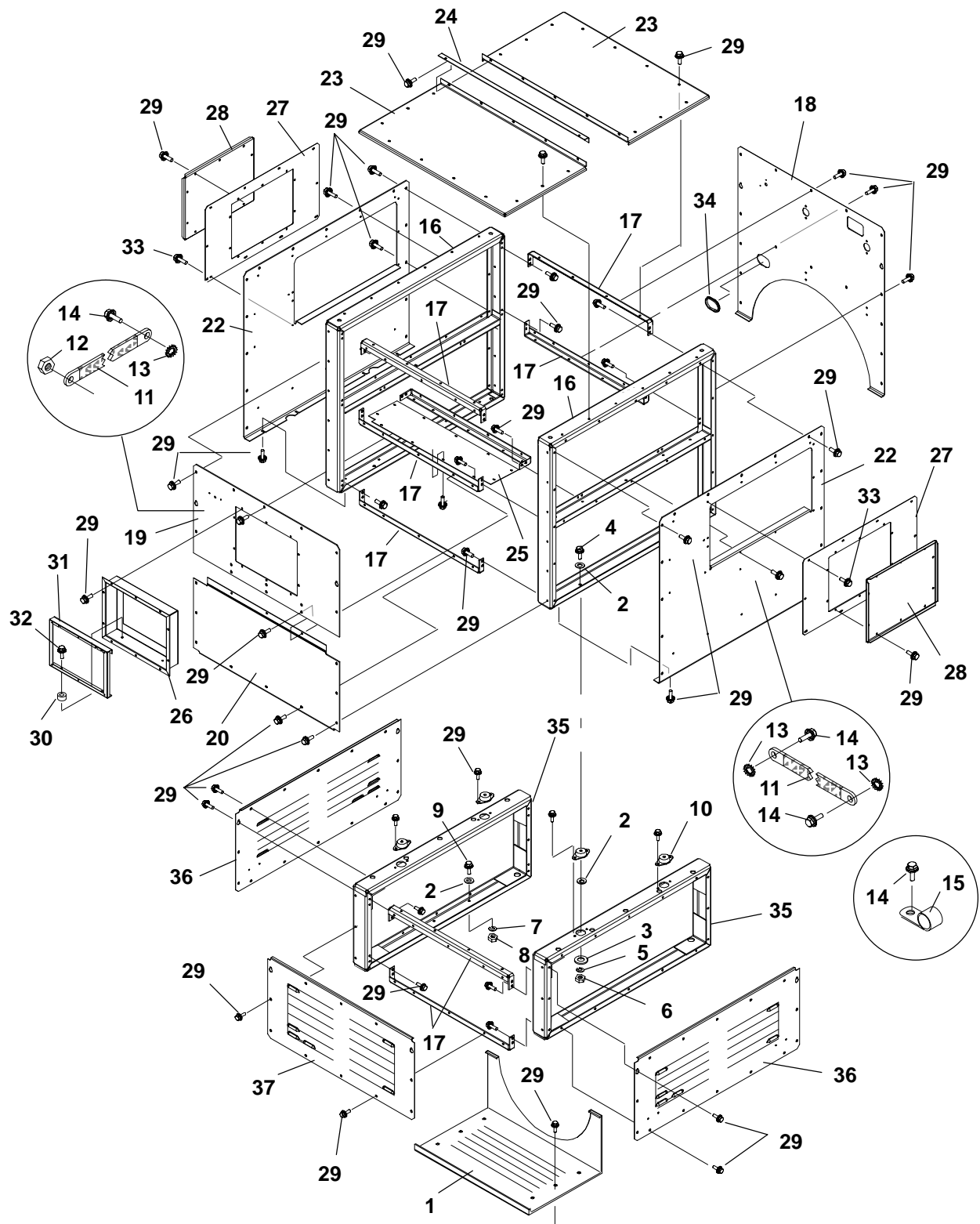
## Entrance Box Frame 7 Generators



## Entrance Box Frame 7 Generators

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

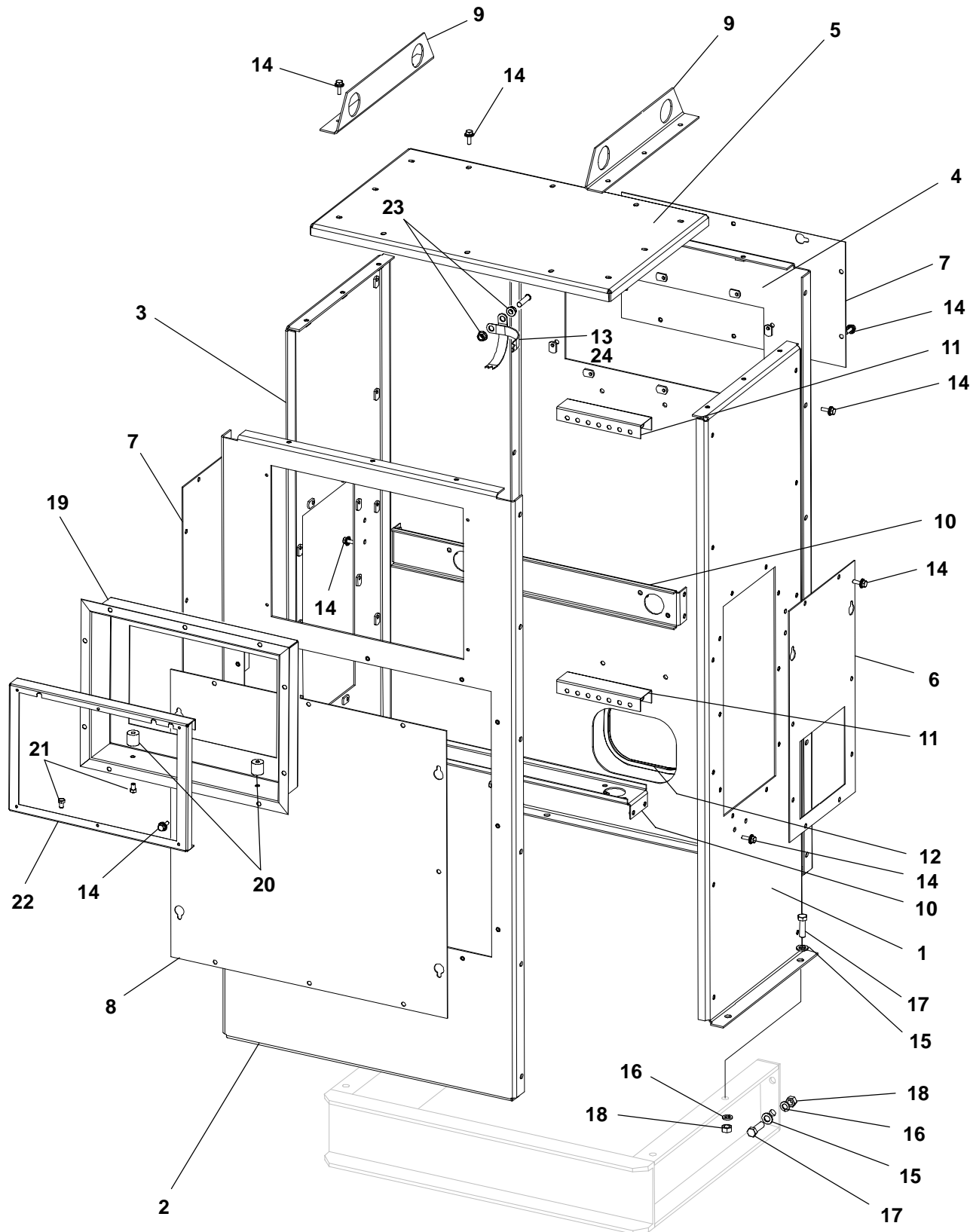
# Control Housing Frame 7 Generators



## Control Housing Frame 7 Generators

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-4126-02	1	Panel, Bottom	20	319-4138-02	1	Panel, Rear – Center
2	526-0399-64	24	Washer, Flat (M12)	21	319-3999-02	1	Panel, Side – Upper – Right Side
3	526-0172	4	Washer, Flat (1/2")	22	319-4000-02	1	Panel, Side – Upper – Left Side
4	800-2121	4	Screw, Cap – Hex Head (M12 x 75mm)	23	319-4001-02	2	Panel, Top
5	850-2012	4	Washer, Lock – Spring (M12)	24	319-4002-02	1	Rail, Drip
6	860-2010	4	Nut, Hex (M12)	25	319-4007-02	1	Panel, Inner
7	850-0114-56	8	Washer, Lock – Spring (M12)	26	319-3672-02	1	Panel, Control Mounting
8	862-0026-57	8	Nut, Hex (M12)	27	319-4003-02	2	Cover, Housing – Breaker
9	800-3017-58	8	Screw, Cap – Hex Head (M12 x 50mm)	28	319-4004-02	2	Cover, Housing – Control
10	403-4091	4	Isolator, Vibration	29	821-6003-02	238	Screw, Self-Locking – Hex Washer Head (M8 x 20mm)
11	337-3466-01	2	Strap, Ground	30	402-0527	4	Isolator, Vibration
12	870-2203	1	Nut, Locking – Hex Flange Head (M10)	31	319-3786-02	1	Bracket, Control Mounting
13	856-0010	4	Washer, Lock – EIT (3/8")	32	800-0310-17	8	Screw, Cap – Hex Head (5/16-18 x 1/2")
14	821-6004-01	7	Screw, Self-Locking – Hex Washer Head (M10 x 20mm)	33	821-6002-04	20	Screw, Self-Locking – Hex Washer Head (M6 x 20mm)
15	332-2634	3	Clamp, "J"	34	508-1090	1	Grommet
16	319-3995-02	2	Frame, Side – Upper	35	319-3994-02	2	Frame, Side – Lower
17	319-3996-02	8	Separator, Frame	36	319-4006-02	2	Panel, Side – Lower
18	319-3997-02	1	Panel, Front	37	319-4005-02	1	Panel, Rear – Lower
19	319-3998-02	1	Panel, Rear – Upper				

# Control Housing Frame 8 Generators

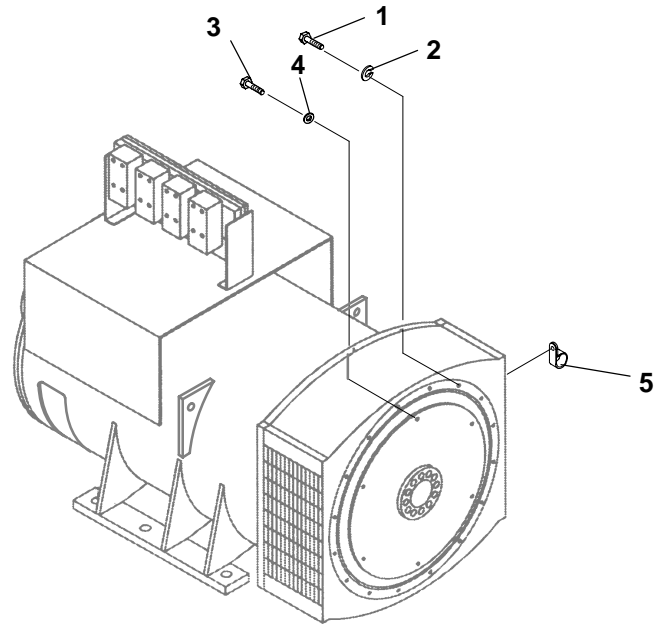


## Control Housing Frame 8 Generators

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3910-02	1	Panel, Control – Left Side	15	526-0399-64	8	* Washer, Flat (M12)
2	319-3912-02	1	Panel, Control – Rear	16	850-0114-56	8	* Washer, Lock – Spring (M12)
3	319-3911-02	1	Panel Control – Right Side	17	800-3017-56	8	* Screw, Cap – Hex Head (M12 x 40mm)
4	319-3913-02	1	Panel, Control – Front	18	862-0026-57	4	* Nut, Hex (M12)
5	319-3916-02	1	Roof	19	319-3672-02	1	Panel, Control – Control Mounting
6	319-3914-02	1	Cover, Side – Left Side	20	402-0527	4	Isolator, Vibration
7	319-3915-02	2	Cover – Right Side and Front	21	800-0310-17	8	Screw, Hex Head
8	319-3920-02	1	Cover, Rear	22	319-3786-02	1	Bracket, Control Mounting
9	319-3919-02	2	Support, Housing	23	870-0550-09	2	Nut, Hex – Flange (3/8-16)
10	319-3917-02	2	Shelf	24	337-3466-01	1	Strap, Bond
11	319-3921-02	1	Guide, Wire				
12	508-1088	1	Edging (37-3/4")				
13	856-0010	1	Nut, Hex – Flange – Locking (M10 x 1.5)				
14	821-6003-02	98	Screw, Self-Locking – Hex Washer Head (M8 x 20mm)				

\* – Not Used On All Models

## Generator Mounting



CP01

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	800-2543-08	16	Screw, Cap – Hex Head (M12 x 55mm) Grade 10.9	4	526-0416	6	Washer, Flat (5/8")
2	850-2012	16	Washer, Lock – Spring (M12)	5	332-3196	1	Clamp, "J"
3	805-2022	6	Bolt, Place (M16 x 35mm) Grade 10.9				



## Generator

Frame 7 (with two 1–1/4" thick x 32–11/16" long mounting feet) and Frame 8 (with four 1–9/16" thick x 6–1/2" long mounting feet) generator component parts cannot be ordered from Onan. Refer to the Newage nameplate and supply all available information. Contact your nearest Newage distributor for assistance in ordering component parts. For COMPLETE generator replacement use the 249–XXXX–XX Onan identification number listed below.

<b>Onan Identification Number</b>	<b>Generator Model Number</b>
249–5092–05	HCI734G
249–5092–06	HCI734G
249–5092–07	HCI734H
249–5092–08	HCI734H
249–5093–05	HCI734G
249–5093–06	HCI734G
249–5093–07	HCI734H
249–5093–08	HCI734H
249–5095–06	MV734WG
249–5095–08	MV734WH
249–5104–01	LVSI814C1
249–5104–02	LVSI814D1
249–5104–07	LVSI814C1
249–5104–08	LVSI814D1
249–5104–13	MVSI814C1
249–5104–14	MVSI814D1
249–5104–19	HVSI814C1
249–5104–20	HVSI814D1
249–5104–21	HVSI814E1
249–5104–25	LVSI814C1
249–5104–26	LVSI814D1
249–5104–28	LVSI814C1
249–5104–29	LVSI814D1
249–5104–31	HVSI814C1
249–5104–32	HVSI814D1
249–5104–33	HVSI814E1
249–5104–34	HVSI814C1
<b>Continued...</b>	

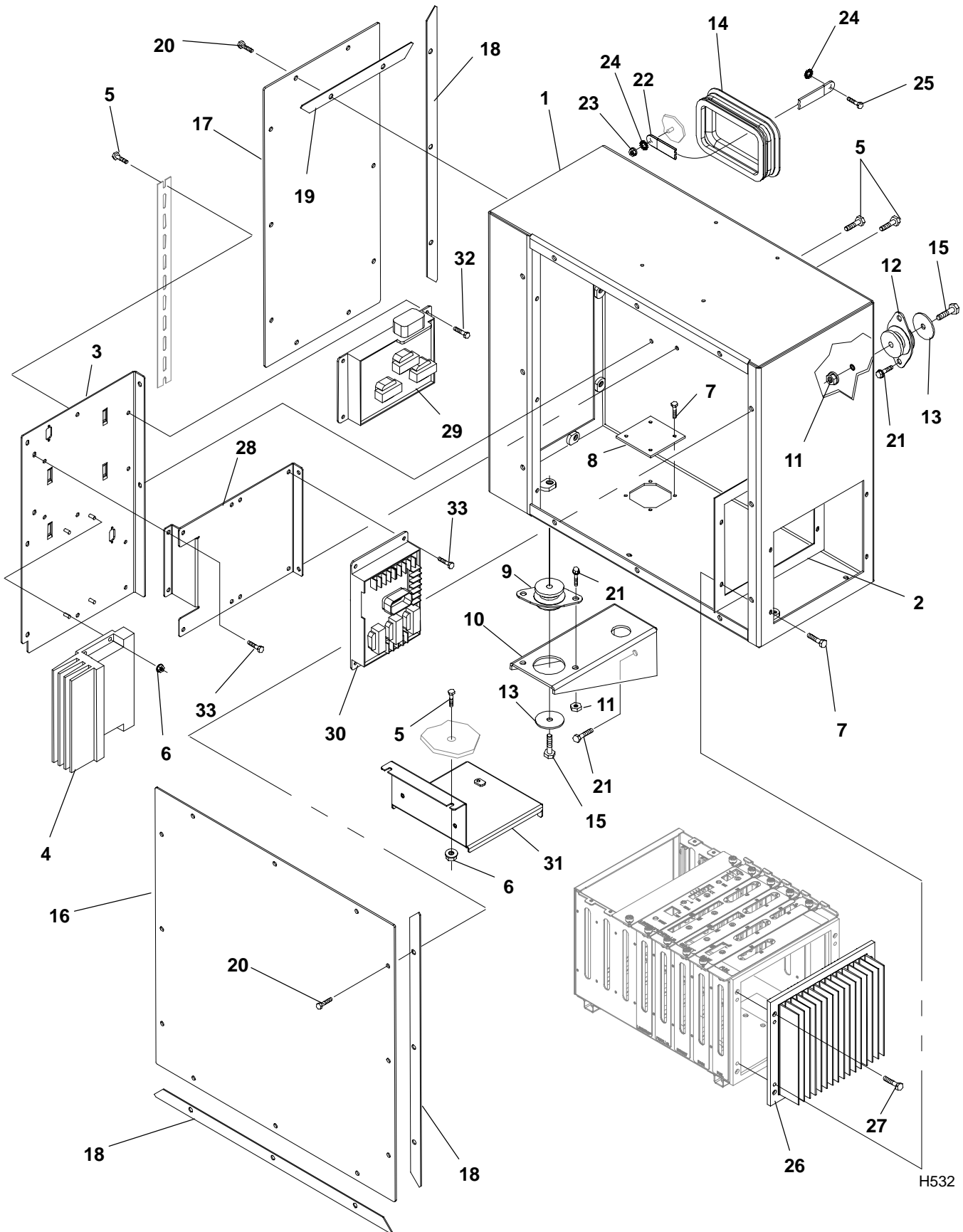
## Generator

<b>Onan Identification Number</b>	<b>Generator Model Number</b>
<b>Continued...</b>	
249-5104-35	HVSI814D1
249-5104-36	HVSI814E1
249-5104-40	LVSI814C1
249-5104-41	LVSI814D1
249-5104-43	LVSI814C1
249-5104-44	LVSI814D1
249-5104-46	HVSI814C1
249-5104-47	HVSI814D1
249-5104-48	HVSI814E1
249-5104-54	HVSI814E1
249-5107-01	LVSI814C1
249-5107-02	LVSI814D1
249-5107-07	LVSI814C1
249-5107-08	LVSI814D1
249-5107-13	MVSI814C1
249-5107-14	MVSI814D1
249-5107-19	HVSI814C1
249-5107-20	HVSI814D1
249-5107-21	HVSI814E1
249-5107-25	LVSI814C1
249-5107-26	LVSI814D1
249-5107-28	LVSI814C1
249-5107-29	LVSI814D1
249-5107-31	HVSI814C1
249-5107-32	HVSI814D1
249-5107-33	HVSI814E1
249-5107-34	HVSI814C1
<b>Continued...</b>	

## Generator

<b>Onan Identification Number</b>	<b>Generator Model Number</b>
<b>Continued...</b>	
249-5104-35	HVSI814D1
249-5104-36	HVSI814E1
249-5104-40	LVSI814C1
249-5104-41	LVSI814D1
249-5104-43	LVSI814C1
249-5104-44	LVSI814D1
249-5104-46	HVSI814C1
249-5104-47	HVSI814D1
249-5104-48	HVSI814E1
249-5104-54	HVSI814E1

# PowerCommand Control

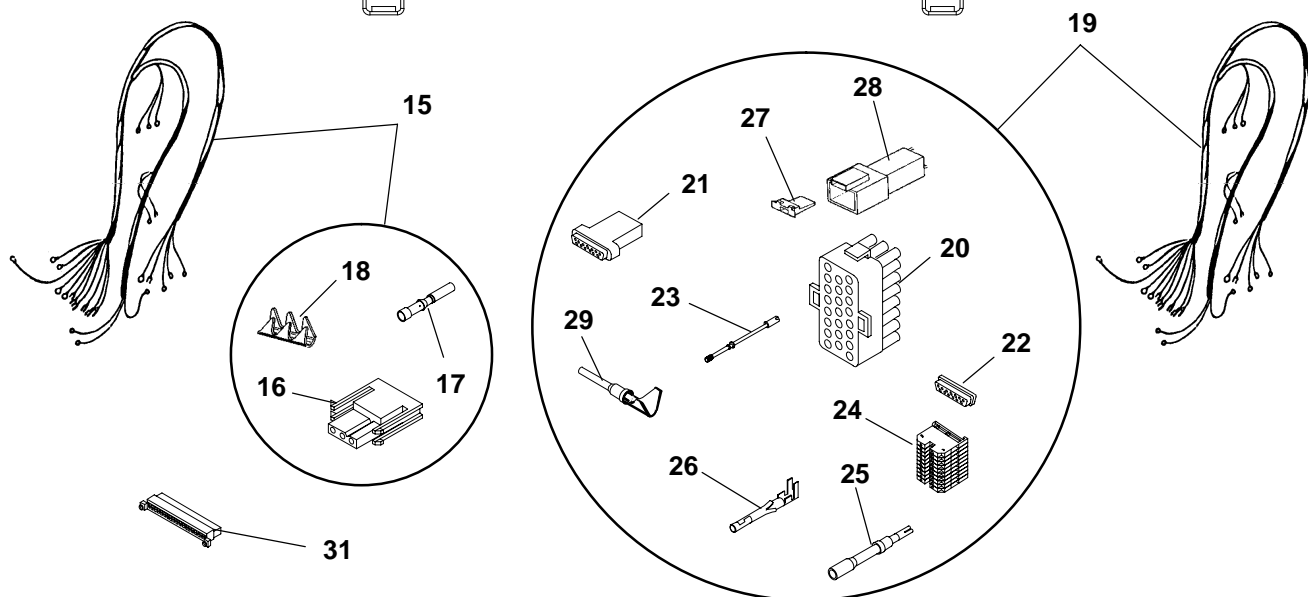
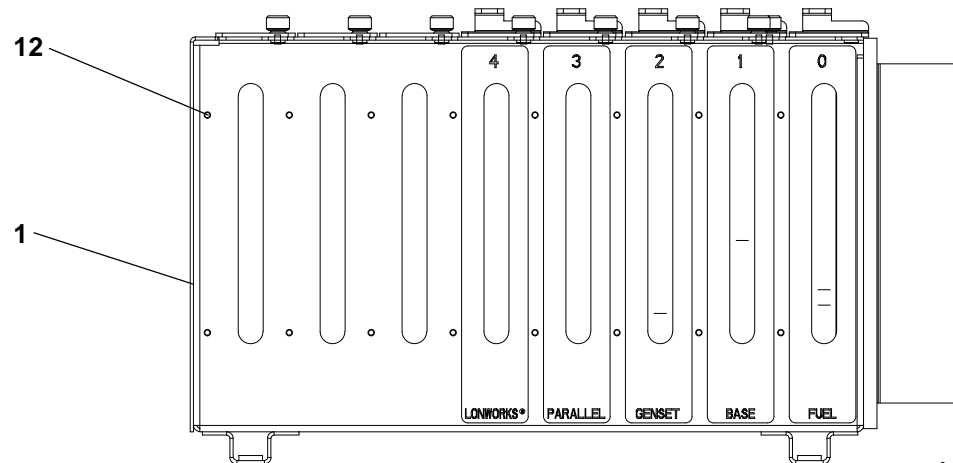
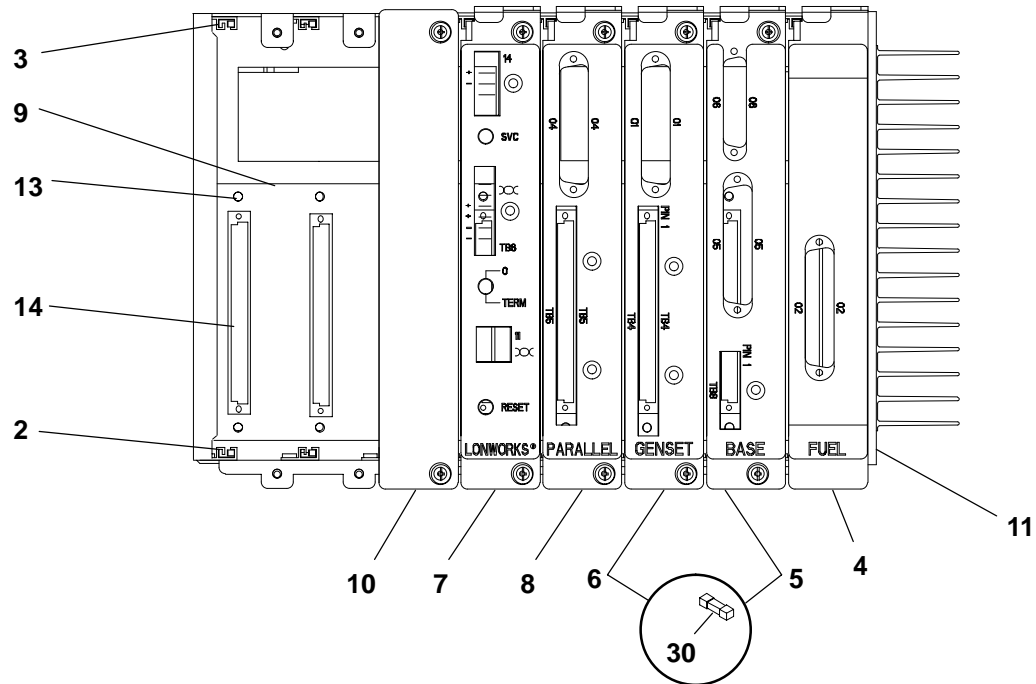


H532

## PowerCommand Control

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3586-02	1	Box, Control	23	870-2203	1	Nut, Locking (M10)
2	363-0189	1	Gasket, Heatsink	24	856-0010	2	Washer – W/ET (M10)
3	319-3650-02	1	Bracket, Terminal Block	25	821-6004-01	1	Screw, Hex Head (M10 x 1.5 x 20)
4	300-4306	1	Module, Voltage Regulator (AVR)	26	363-0183	1	Heatsink, Genset
5	821-6001-02	16	Screw, Hex Head (M5 x 12)	27	823-0002-04	8	Screw, Hex Head – Thread Forming (M4 x 12)
6	870-2208	6	Nut, Flange (M5)	28	319-3649-02	1	Bracket, PT Bus Mounting
7	815-0828-04	8	Screw, Hex Head (M4 x 16)	29			Board, Printed Circuit – PT/CT
8	319-3968-02	1	Cover, Cutout		300-4308-01	1	120 Volt
9	402-0748	2	Isolator, Vibration		300-4308-02	1	240 Volt
10	319-3583-02	2	Bracket, Isolator		300-4308-03	1	346 Volt
11	870-2055	4	Nut, Lock (M8)	30			Board, Printed Circuit – Power Transformer Bus
12	402-0751	2	Isolator, Vibration		300-4309-01	1	120 Volt
13	402-0749	4	Washer, Vibration Isolator		300-4309-02	1	240 Volt
14	332-3629	1	Bellows		300-4309-03	1	346 Volt
15	800-2063	4	Bolt, Flange Head (M8 x 50)		300-4309-04	1	69 Volt
16	319-3585-02	1	Cover, Box – Main	31	319-4141-02	1	Bracket, PT Bus Mounting
17	319-3584-02	1	Cover, Box – Side	32	821-6001-03	4	Screw, Hex Head (M5 x 16)
18	363-0188	6	Gasket, Cover	33	815-0961	8	Screw, Machine – Round Head (M5 x 12)
19	363-0187	2	Gasket, Cover				
20	821-6002-02	22	Screw, Hex Head (M6 x 12)				
21	821-6003-02	12	Screw, Hex Head (M8 x 16)				
22	337-3466-02	1	Strap, Bond				

# Card Cage



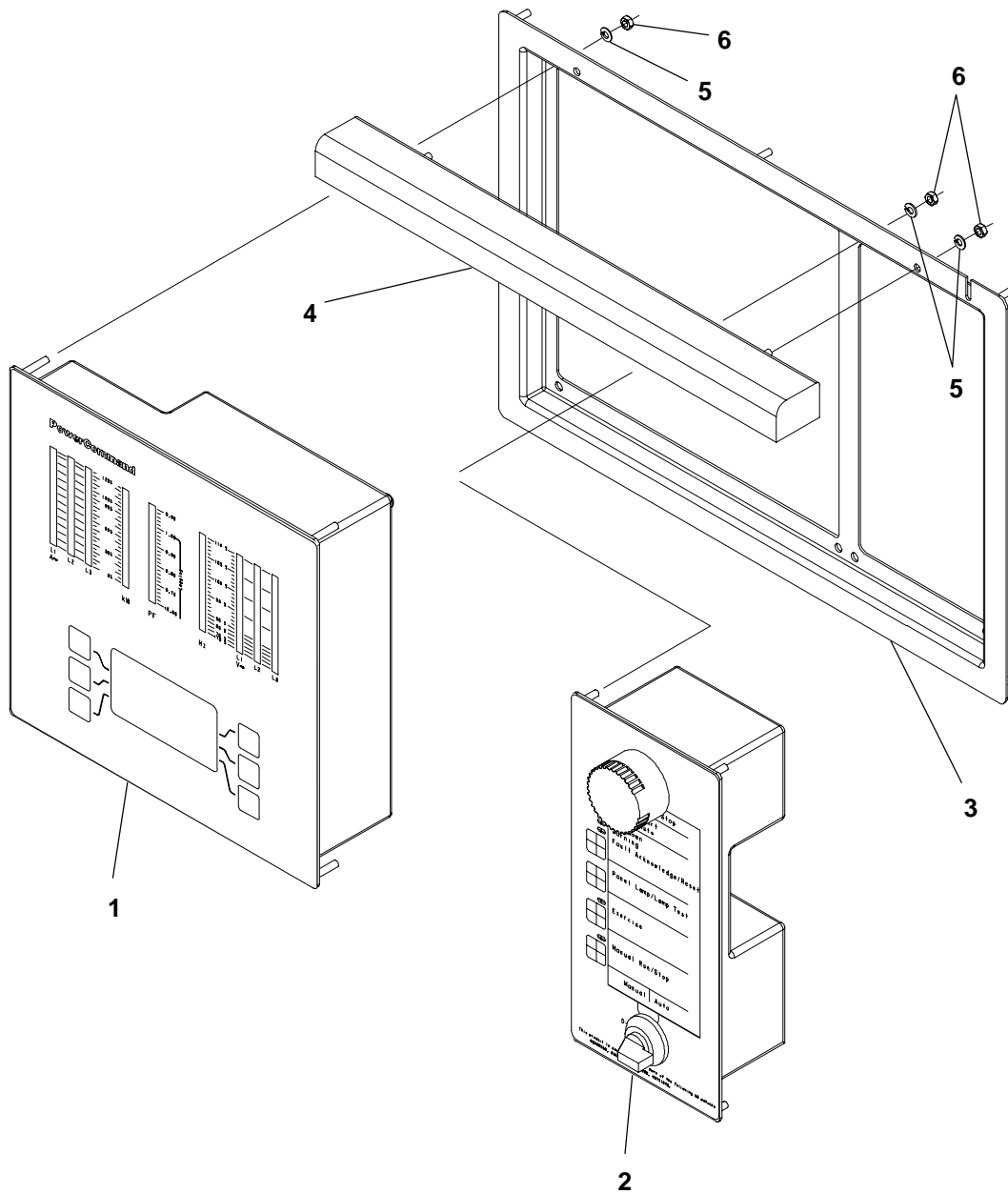
## Card Cage

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3606-02	1	Cage, Card – Genset	18	332-3491-01	2	* Pin, Contact (Used With B+ and GND)
2	406-0916	8	Guide, Metal Card – Left	19	338-3827	1	Harness, Wiring – Parallel (Includes Parts Marked #)
3	406-0917	8	Guide, Metal Card – Right	20	323-1605-03	1	# Plug (23 Pin) (Station 8)
4	300-4970	1	Board, Printed Circuit – Fuel	21	323-1837	1	# Connector, Contact (50 Pin) (Station 4)
5	300-4969	1	Board, Printed Circuit – Base (Includes Fuse)	22	323-1843	1	# Grommet (50 Place)
6	300-5187	1	Board, Printed Circuit – Generator Interface (Includes Fuses)	23	323-1844	2	# Jackscrew
7	300-5241	1	Board, Printed Circuit – Lonworks	24	332-3125-02	1	# Block, Terminal (10 Pole) (TB3)
8	300-5270	1	Board, Printed Circuit – Parallel	25	323-1835-01	34	# Socket, Contact (Used With Station 4)
9	300-4968	1	Board, Printed Circuit – Backplane	26	323-1614-01	12	# Pin, Contact (Used With Station 8)
10			Cover, Card Cage – Blank	27	323-1501	1	# Wedge, Plug (2 Place) (Used With Inline J)
	319-3605-02	5	With Base Board	28	323-1505	1	# Connector, Plug (2 Place) (Used With Inline J)
	319-3605-02	4	With Base and Lonworks Boards	29	323-1491	2	# Socket, Contact
	319-3605-02	3	With Base, Lonworks and Parallel Boards	30	340-0475-14	7	Fuse (5 Amp) (Five Used On Generator Interface Board and Two Used On Base Board)
11	815-0947	4	Screw, Hex Head (Used to Mount Fuel Board W/Heatsink to Card Cage) (M3 x 10)	31			Connector, Plug
12	815-0949	32	Screw, Hex Head (4-40 x 1/4)		323-1846-01 A/R		5 Positions – Coding Key Positions 2, 4
13	815-0948	16	Screw, Hex Head (M4 x 6)		323-1846-02 A/R		6 Positions – Coding Key Positions 1, 6
14			Cover, Header – 96 Pin		323-1846-03 A/R		18 Positions – Coding Key Positions 3, 16
	323-1848	5	With Base Board		323-1846-04 A/R		18 Positions – Coding Key Positions 1, 18
	323-1848	4	With Base and Lonworks Boards				
	323-1848	3	With Base, Lonworks and Parallel Boards				
15	338-3828	1	Harness, Wiring – Lonworks (Includes Parts Marked *)				
16	323-1849	1	* Connector, Contact (3 Pin) (Station 14)				
17	323-1850	2	* Socket, Contact (Used With Station 14)				

\* – Parts Included in 338-3828 Wiring Harness

# – Parts Included in 338-3827 Wiring Harness

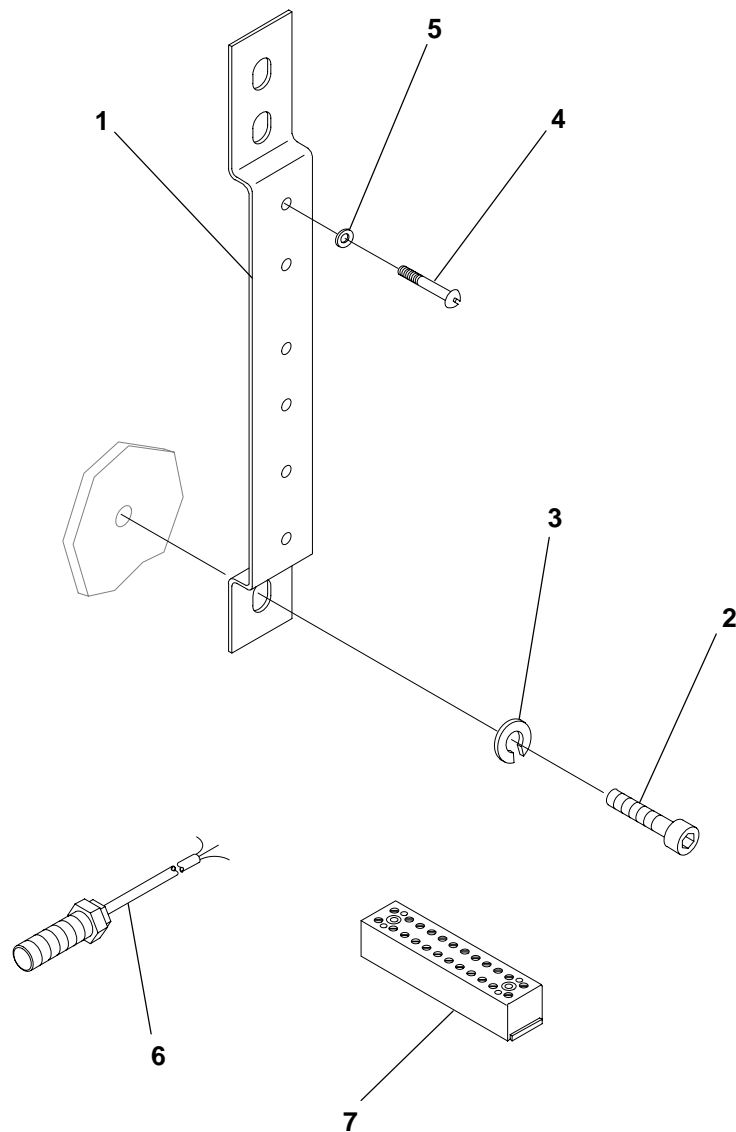
## PowerCommand Control Panel



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-5312	1	Display Assembly	4	300-5291	1	Rail, Operator Panel Light
2	300-5311	1	Panel Assembly	5	850-2004	16	Washer, Lock (M4)
3	300-5280-02	1	Frame, Control Panel	6	860-2005	16	Nut, Hex (M4 x .7)



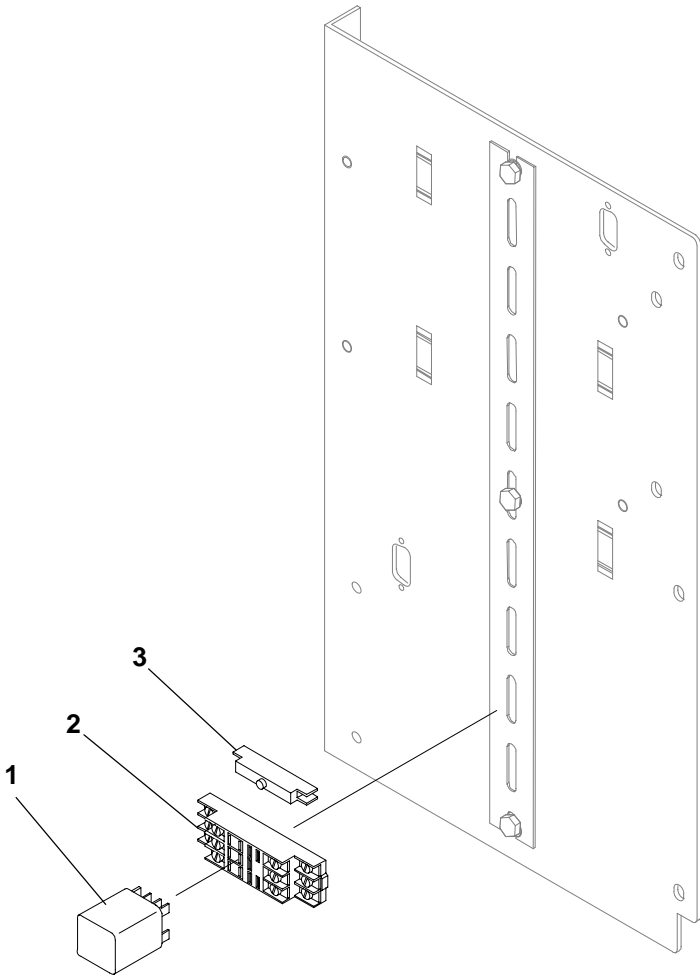
## Resistive Temperature Detectors



B312,313,314,372,373,374

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-1293	1	Bracket	5	526-0002	4	Washer, Flat (#6)
2	800-2080	2	Screw, Cap – Hex Head (M10 x 12mm)	6	193-0458-02	1	Detector, Temperature
3	850-2010	2	Washer, Lock – Spring (M10)	7	332-3134	1	Block, Terminal
4	812-0070	4	Screw, Machine – Round Head (#6-32 x 1-1/4")				

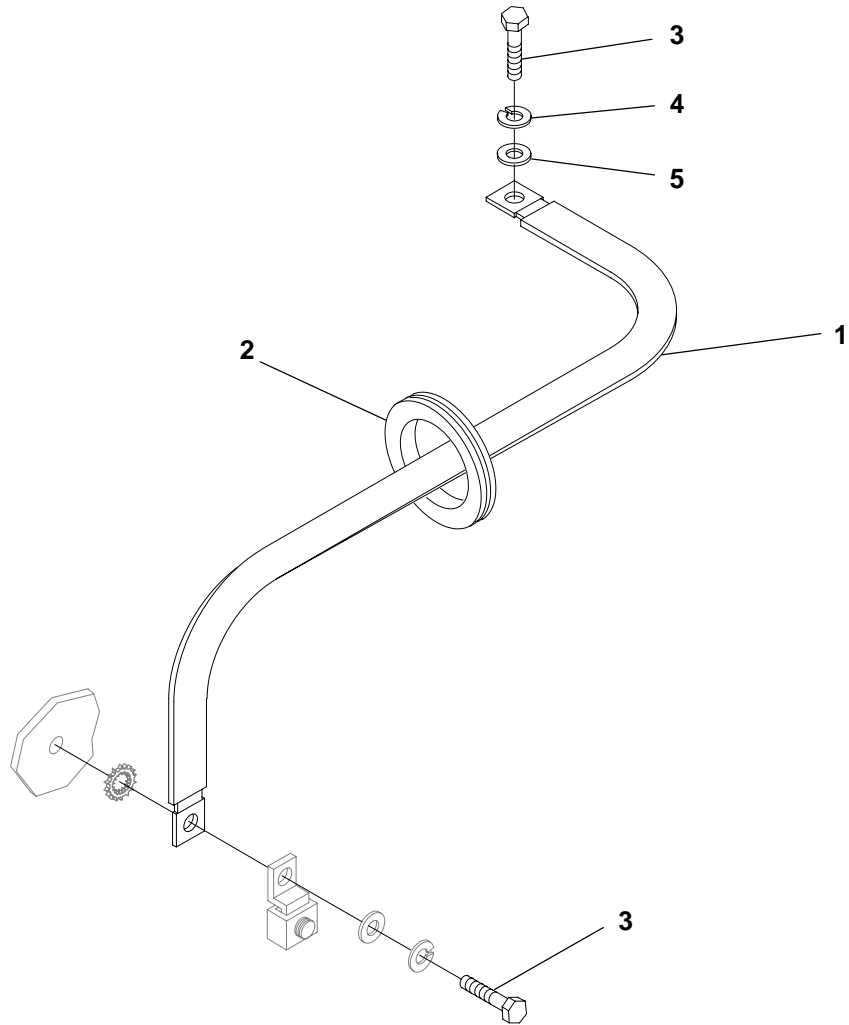
Relay



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Relay
	307-1058-01	1	Alarm Relay (K14)
	307-1056-01	1	12 Volt
			24 Volt
	307-1058-01	3	Run Relay (K11,12,13)
	307-1056-01	3	12 Volt
			24 Volt

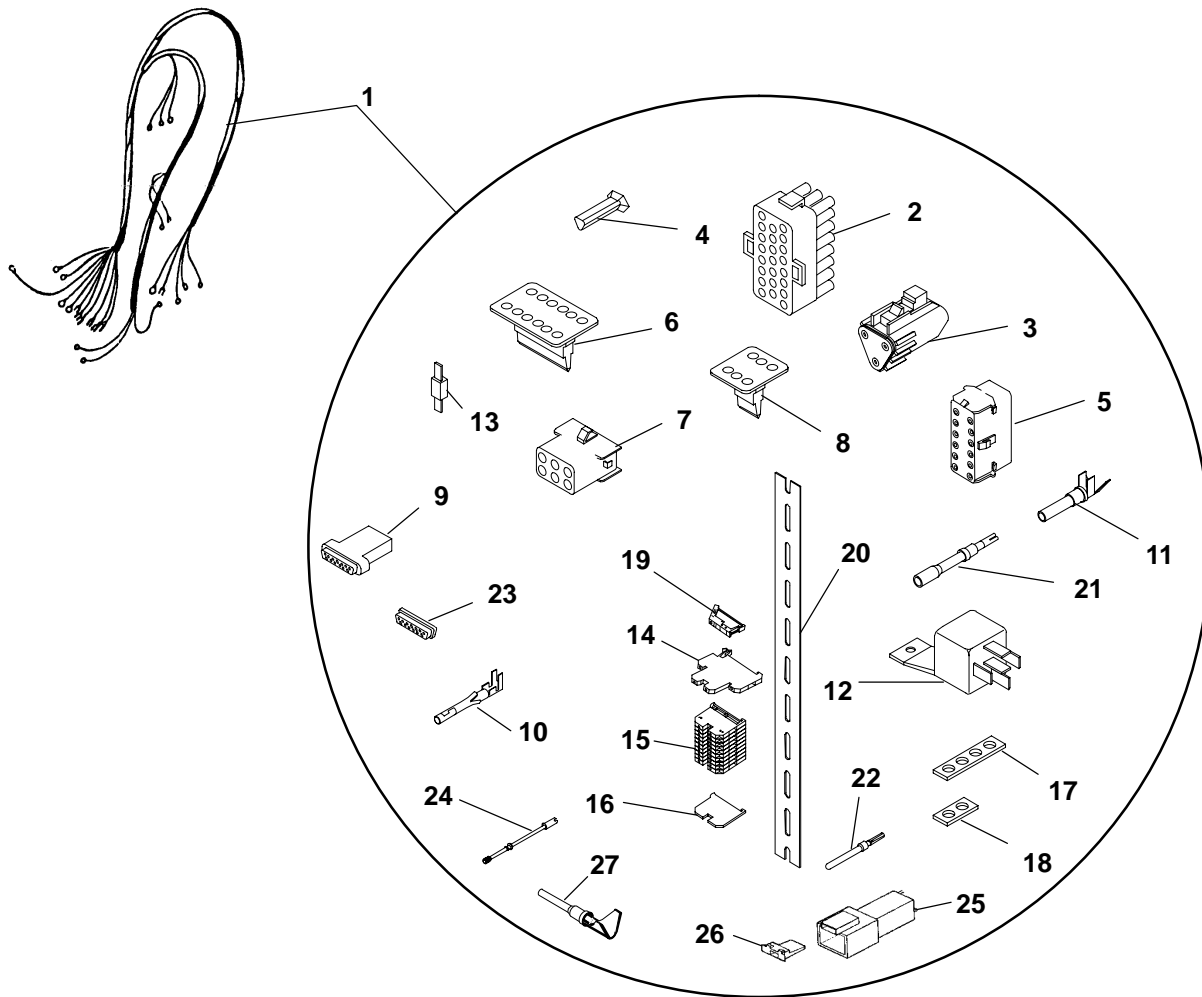
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
2			Socket, Relay
	323-1410-01	1	Alarm Relay
	323-1410-01	3	Run Relay
3	323-1411-01	2	Clip, Socket Mounting

**Ground Strap  
Circuit Breaker Box**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	337-3465	1	Strap, Ground (25")	4	850-2010	1	Washer, Lock – Spring (M10)
2	508-1090	1	Grommet (Fits 3-1/4" Hole)	5	526-2120	1	Washer, Flat (M10)
3	800-2088	2	Screw, Cap – Hex Head (M10 x 35mm)				

## Wiring Harness Control

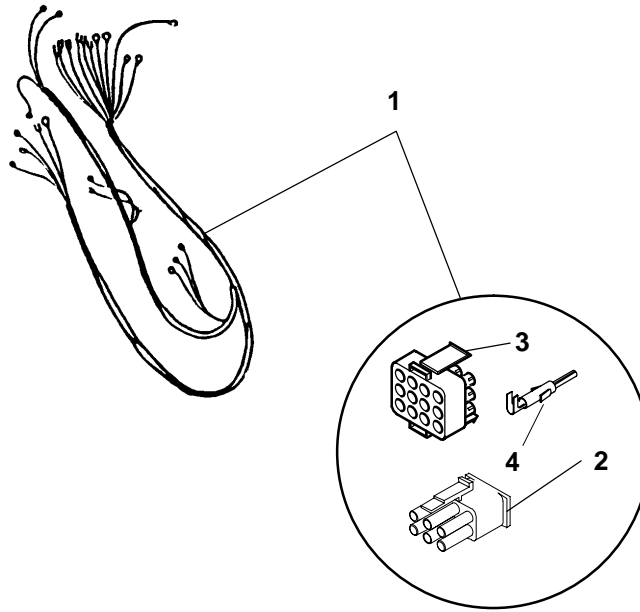


CP01

## Wiring Harness Control

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-3808	1	Harness, Control (Includes Parts Listed Below)	12	307-2817-02	2	Relay (24 Volt) (K14, K15)
2			Plug, Connector (23 Place)	13	357-0030	1	Rectifier, Silicon
	323-1605-01	1	Colored Black (Station 23)	14	332-3125-04	10	Block, Terminal (Single)
	323-1605-03	1	Colored Grey (Station 8)	15	332-3125-02	1	Block, Terminal (10 Terms)
3	323-1493	1	Plug, Connector (3 Place) (Station 22)	16	332-3126-02	3	Spacer
4	323-1503	1	Wedge (3 Place) (Used With Station 22)	17	332-2843-07	2	Jumper, Terminal (4 Pole)
5	323-1582	1	Plug, Connector (12 Place) (Station 21)	18	332-2843-05	1	Jumper, Terminal (2 Pole)
6	323-1583	1	Wedge (12 Place) (Used With Station 21)	19	332-2878	2	Bracket, Terminal End
7	323-1623	2	Plug, Connector (6 Place) (Station 7, Station Inline D)	20	332-3637	1	Rail, Terminal (18.46")
8	323-1624	2	Wedge (6 Place) (Used With Stations 7 and Inline D)	21	323-1835-01	53	Socket, Contact (10 Used With Station 6, 43 Used With Station 1)
9			Contact, Connector	22	323-1847-01	4	Pin, Contact (Used With Station 12)
	323-1841	1	9 Place (Station RS232)	23			Grommet
	323-1836	1	25 Place (Station 6)		323-1843	1	50 Place
	323-1837	1	50 Place (Station 1)		323-1845	1	25 Place
10	323-1614-01	29	Pin, Contact (17 Used With Station 23, 12 Used With Station 8)	24	323-1844	4	Jackscrew
11	323-1492	26	Socket, Contact (11 Used With Station 21, 2 Used Station 22, 6 Used With Station 7, 5 Used With Station Inline D, 2 Used With Station 6)	25	323-1505	1	Plug, Connector (2 Place) (Inline H)
				26	323-1501	1	Wedge (2 Place) (Used With Inline H)
				27	323-1491	2	Pin, Contact (Used With Inline H)

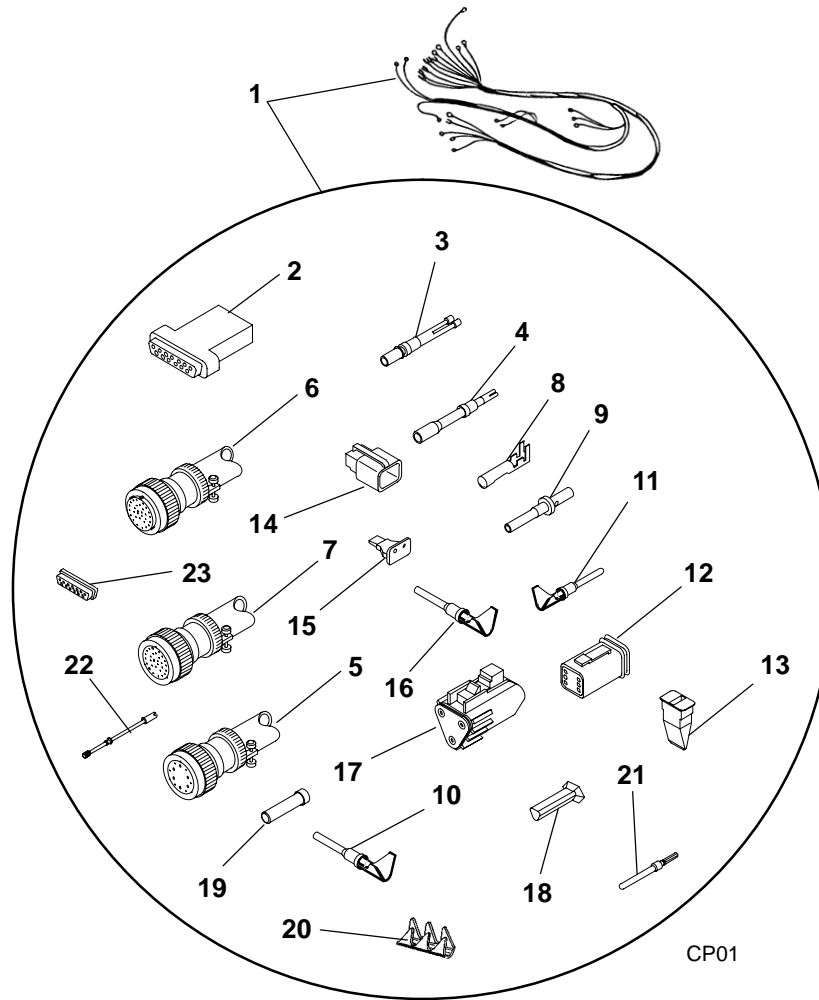
## Wiring Harness AC



CP01

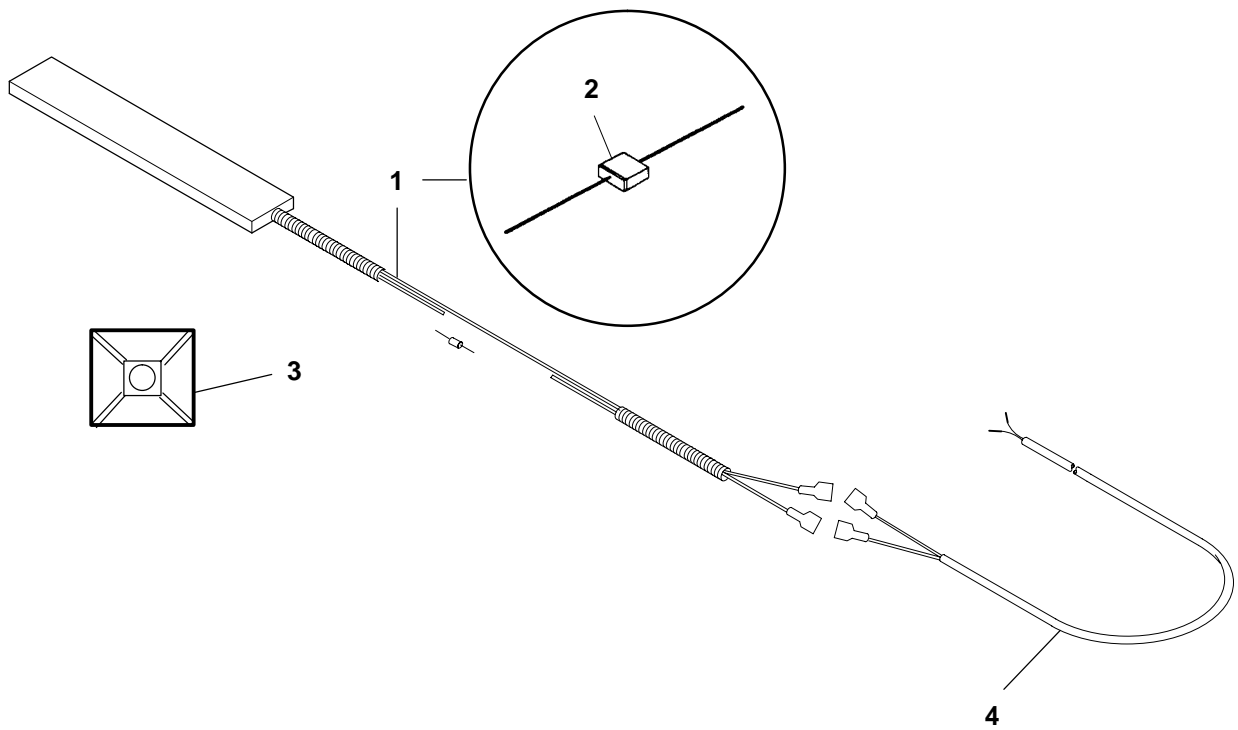
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Harness, Wiring – AC (15 Wire) (Includes Parts Listed Below)	2	323-1643-01	1	Plug, Connector (6 Place) (P10)
			<b>Standard – Frame 7</b>	3	323-1644-03	1	Housing, Connector (12 Place) (P9)
			<b>Generators</b> (Without Remote Control) (09, 10 to PMG, X, XX, 5, 6, 7, 8, CT21, 22, 23) (82")	4	323-1648	15	Socket, Contract (10 Each Used In P9, 5 Each Used In P10)
	338-3805	1	Low Voltage				
	338-3873	1	Medium Voltage				
			<b>Remote Control</b>				
			<b>Frame 7 Generators</b> (09, 10 to PMG, X, XX, 5, 6, 7, 8, CT21, 22, 23)				
	338-3834	1	Low Voltage (188")				
	338-3874	1	Medium Voltage (188")				
	338-3806	1	<b>Frame 8 Generators</b> (P9, P10 to 8, 9, 10, 13, 14, 42, 43, 48, 49, 54, 55, 65, 66, 67, 68) High Voltage (176")				

## Wiring Harness Engine Extension



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Harness, Wiring – Engine Extension (Includes All Parts Listed Below)	8	323-1752	30	Socket, Contact
	338-3800	1	Set-Mounted Control	9	323-1838	6	Pin, Contact
	338-3895	1	Free-Standing Control	10	323-1491	12	Pin, Contact (Used With 323-1625 Housing)
2			Connector, Contact	11	323-1834	30	Pin, Contact
	323-1841	1	9 Place (Includes Screws and Locknuts) (Connector 13)	12	323-1625	1	Housing, Connector (6 Place) (Inline D)
	323-1837	2	50 Place (Includes Backshell and Hardware) (Connector 2 and 5)	13	323-1626	1	Wedge (Used With 323-1625 Housing)
3	323-1835-01	20	Socket, Contact (5/8" Long)	14	323-1504	4	Plug, Connector (2 Place)
4	323-1835-02	125	Socket, Contact (7/8" Long)	15	323-1500	4	Wedge
5	323-1833	1	Plug, Connector (19 Place) (Inline C)	16	323-1492	8	Socket, Contact
6	323-1832	1	Plug, Connector (33 Place) (With Center Collar) (Inline A)	17	323-1493	1	Plug, Connector (3 Place)
7	323-1831	1	Plug, Connector (33 Place) (Without Center Collar) (Inline B)	18	323-1503	1	Wedge
				19	323-1591	A/R	Plug
				20	332-3491-01	2	Pin, Contact
				21	323-1847-01	9	Pin, Connector
				22	323-1844	2	Jackscrow
				23	323-1843	2	Grommet

Control Heater

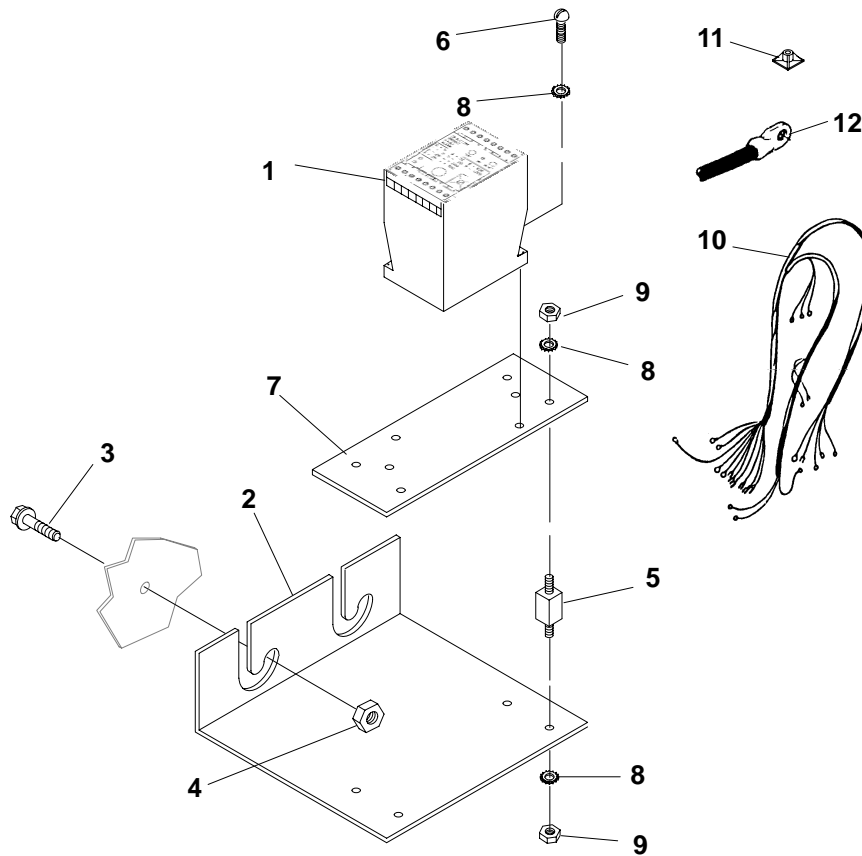


A362

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	2	Mount, Cable
	300-4515-02	1	240 Volt	4	338-3829	1	Harness, Wiring – Control Heater (120 Volt)

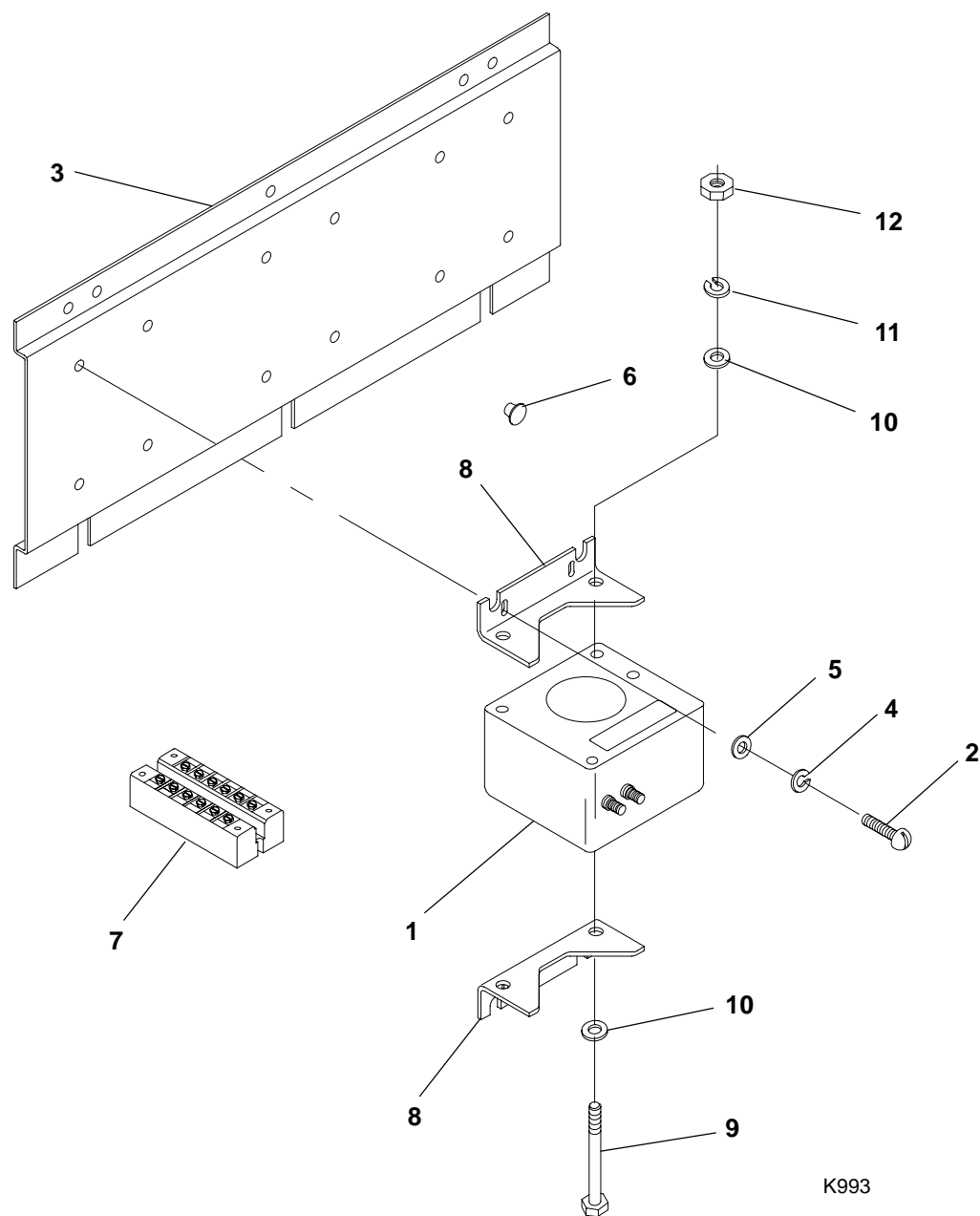


## Ground Fault Relay



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	307-2843	1	Relay (GFA)	8	853-0005	8	Washer, Lock – ET (#8)
2	301-6987	1	Bracket, Mounting	9	870-0221	10	Nut, Hex – W/ET (#8-32)
3	821-0017	2	Screw, Self-Locking – Hex Washer Head (5/16-18 x 1/2")	10	338-3233	1	Harness, Wiring (GFA to TB1, GEN NEUTRAL and GND) (5 Wire, 119")
4	870-0257	2	Nut, Hex – Self-Locking (5/16-18)	11	332-2420	2	Mount, Cable Tie
5	402-0354	4	Mount, Shock	12	226-4406-06	2	Cable, Generator (Generator Neutral to Generator Grounding Bolt) (24")
6	812-0081	2	Screw, Machine – Round Head (#8-32 x 5/8")				
7	319-0030	1	Plate, Mounting				

Differential Current Transformer



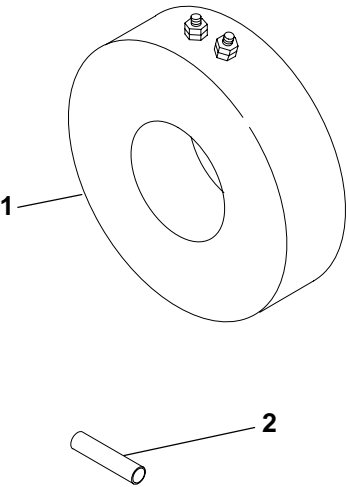
K993

## Differential Current Transformer

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Transformer, Current (CT1,CT2,CT3)	2	813-0098	12	* Screw, Machine – Round Head (#10-32 x 3/8")
			<b>5kV</b>	3	319-1265	1	* Bracket, Current Transformer
	302-1945-10	3	Ratio 75/5	4	850-0030	12	* Washer, Lock – Spring (#10)
	302-1945-03	3	Ratio 100/5	5	526-0008	12	* Washer, Flat (#10)
	302-1945-02	3	Ratio 150/5	6	517-0090	1	Plug, Hole (Fits 5/16" Hole) (Quantity Used As Required)
	302-1945-01	3	Ratio 200/5	7	332-3178-01	1	Block, Terminal (6 Place) (SCB)
	302-1945-04	3	Ratio 250/5	8	319-3297	6	* Bracket, Foot
	302-1945-05	3	Ratio 300/5	9	800-0039	6	* Screw, Cap – Hex Head (5/16-18 x 3-1/2")
	302-1945-06	3	Ratio 400/5	10	526-0022	12	* Washer, Flat (5/16")
	302-1945-07	3	Ratio 500/5	11	850-0045	6	* Washer, Lock – Spring (5/16")
	302-1945-08	3	Ratio 600/5	12	862-0015	6	* Nut, Hex (5/16-18)
	302-1945-09	3	Ratio 750/5				
	302-1945-11	3	Ratio 800/5				
	302-1945-12	3	Ratio 1000/5				
	302-1945-13	3	Ratio 1200/5				
	302-1945-14	3	Ratio 1500/5				
	302-1945-15	3	Ratio 1600/5				
			<b>600V</b>				
	302-1961-01	3	Ratio 200/5				
	302-1961-02	3	Ratio 250/5				
	302-1961-03	3	Ratio 300/5				
	302-1961-04	3	Ratio 400/5				
	302-1961-05	3	Ratio 500/5				
	302-1961-06	3	Ratio 600/5				
	302-1961-07	3	Ratio 750/5				
	302-1961-08	3	Ratio 800/5				
	302-1961-09	3	Ratio 1000/5				
	302-1961-10	3	Ratio 1200/5				
	302-1961-11	3	Ratio 1500/5				
	302-1961-12	3	Ratio 1600/5				
	302-1961-13	3	Ratio 1800/5				
	302-1961-14	3	Ratio 2000/5				
	302-1961-15	3	Ratio 2500/5				
	302-1961-16	3	Ratio 3000/5				

\* – Mounting Hardware Used With 5kV Current Transformers

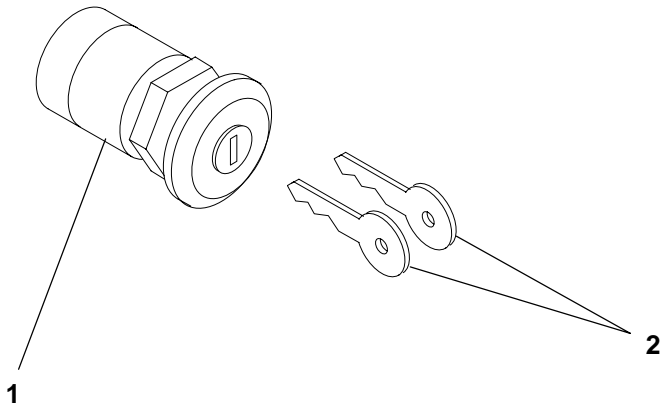
Current Transformer



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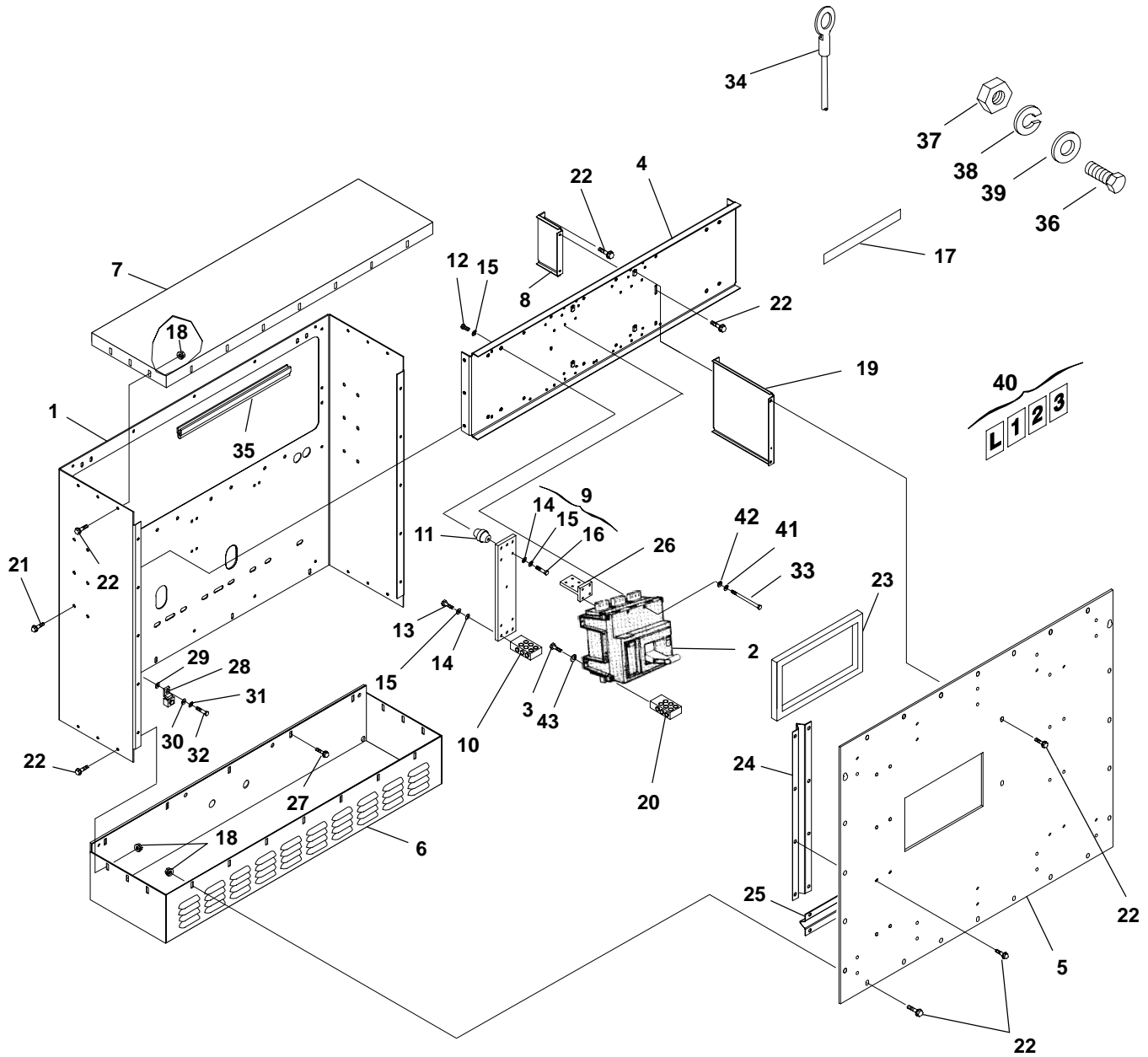
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Transformer, Current (CT21, CT22, CT23)	2	898-1329	3	Sleeving, Insulation – Used On Neutral Ends Of Generator Phase Conductors (2400, 1905 DELTA and 4160, 3300 WYE) (5-1/2")
	302-1926-36	3	Ratio 670/1				
	302-1926-37	3	Ratio 1150/1				
	302-1926-34	3	Ratio 4200/1				
	302-1926-32	3	Ratio 5750/1				
	302-1926-31	3	Ratio 6250/1				

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

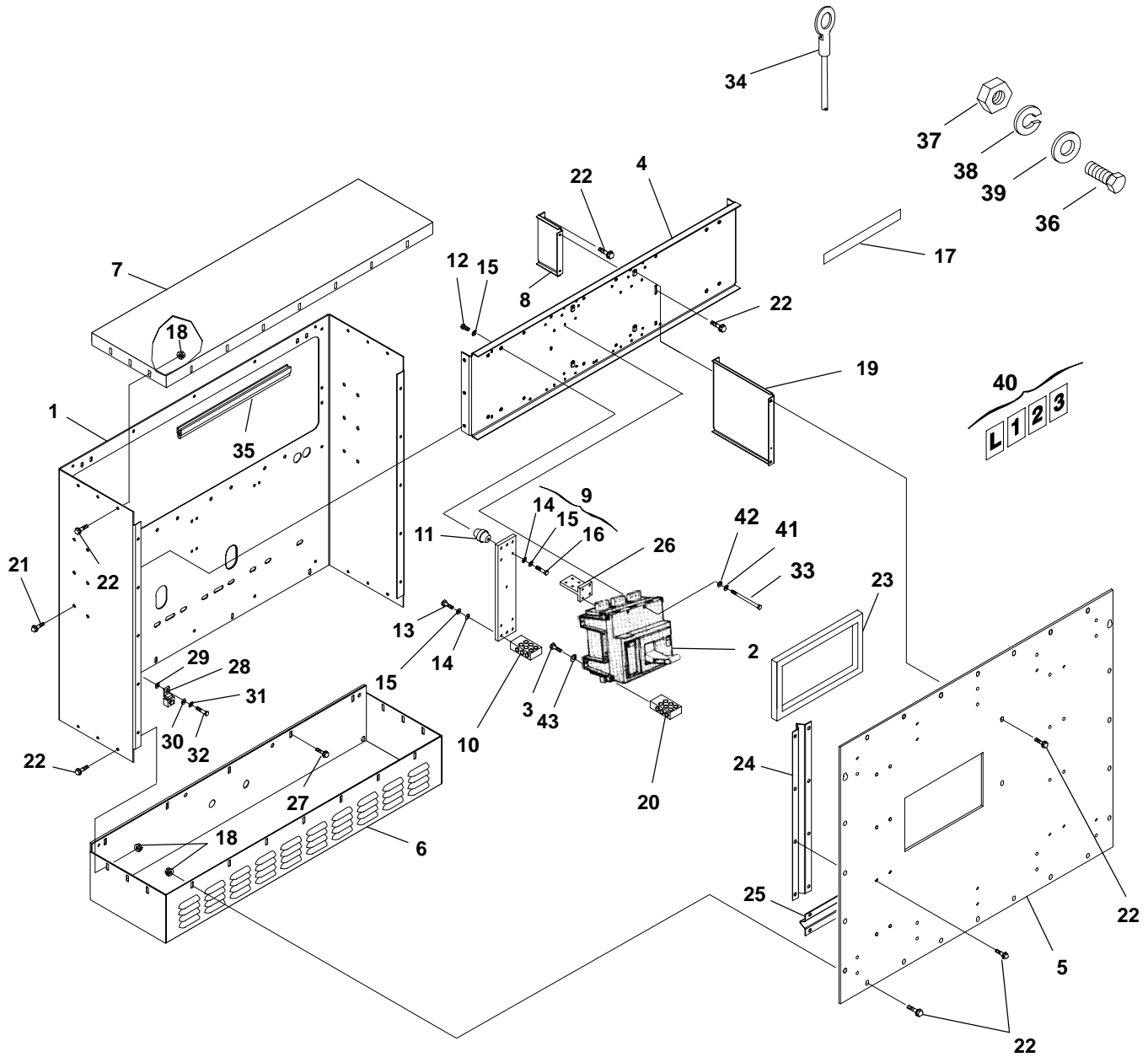
# Circuit Breaker UL Listed



## 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	6	319-1925	1	Panel – Bottom
2			Breaker, Circuit – 3 Pole, 100% Rated (Includes Mounting Screws) Frame Size CM2000–HH Circuit Breakers Include Bus Bars (T-bars) (CB21)	7	319-1961	1	Panel – Top
			<b>Standard</b>	8	319-3253-02	1	Brace, Mounting – Circuit Breaker
	320-1783-01	1	Frame Size CM1250–HH	9	300-4480-01	1	Bar Assembly, Neutral (Includes Neutral Bars, Labels and Parts Marked *)
	320-1783	1	Frame Size CM1600–HH	10	332-3303-01	1	* Lug, Solderless
	320-1783-02	1	Frame Size CM2000–HH	11	332-2744-07	4	* Standoff, Insulator
	320-1783-03	1	Frame Size CM2500–HH	12	800-0048	4	* Screw, Cap – Hex Head (3/8–16 x 3/4")
			<b>With 24 Volt Shunt Trip</b>	13	800-2089	3	* Screw, Cap – Hex Head (M10 x 40mm)
	320-1783-05	1	Frame Size CM1250–HH	14	526-2120	7	* Washer, Flat (M10)
	320-1783-04	1	Frame Size CM1600–HH	15	850-2010	11	* Washer, Lock – Spring (M10)
	320-1783-06	1	Frame Size CM2000–HH	16	800-0052	4	* Screw, Cap – Hex Head (3/8–16 x 1-1/2")
	320-1783-07	1	Frame Size CM2500–HH	17	091-0002	1	* Strip, Copper (Used for wrapping ends of leads before securing to neutral bar lugs) (Quantity Used As Required)
			<b>With Auxiliary Contacts and Bell Alarm</b>	18	870-0504	26	Nut, Self-Retaining (M6)
	320-1783-18	1	Frame Size CM1250–HH	19	319-3252-02	1	Brace, Cover
	320-1783-17	1	Frame Size CM1600–HH	20	332-3303-01	3	Lug, Solderless
	320-1783-19	1	Frame Size CM2000–HH	21	821-6003-02	6	Screw, Self-Locking – Hex Washer Head (M8 x 20mm)
	320-1783-20	1	Frame Size CM2500–HH	22	821-6002-03	85	Screw, Self-Locking – Hex Washer Head (M6 x 16mm)
			<b>With Auxiliary Contacts, Bell Alarm and 24 Volt Shunt Trip</b>	23	895-0182	–	Stripping, Weather – Bulk (Order By The Foot – 4 Feet Required)
	320-1783-09	1	Frame Size CM1250–HH	24	319-3286	2	Brace, Cover (Vertical)
	320-1783-08	1	Frame Size CM1600–HH	25	319-3288	2	Brace, Cover (Horizontal)
	320-1783-10	1	Frame Size CM2000–HH	26			Bar, Bus (T-Bar) (Includes Mounting Hardware)
	320-1783-11	1	Frame Size CM2500–HH		337-2789	4	Sets With CM1250–HH, CM1600–HH Breakers
					337-2789	1	Sets With CM2000–HH, CM2500–HH Breakers
				27	821-2035	5	Screw, Self-Locking – Hex Washer Head (M6 x 25mm)
				28	332-2001	1	Lug, Solderless
				29	856-0010	1	Washer, Lock – EIT (3/8")
				30	526-2120	1	Washer, Flat (M10)
				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) CM1250–HH, CM1600–HH Breakers	* – Parts Included In 300-4480-01 Neutral Bar Assembly			
4	319-3153	1	Bracket, Mounting	<b>Continued...</b>			
5	319-3266-01	1	Cover, Circuit Breaker				

# Circuit Breaker UL Listed



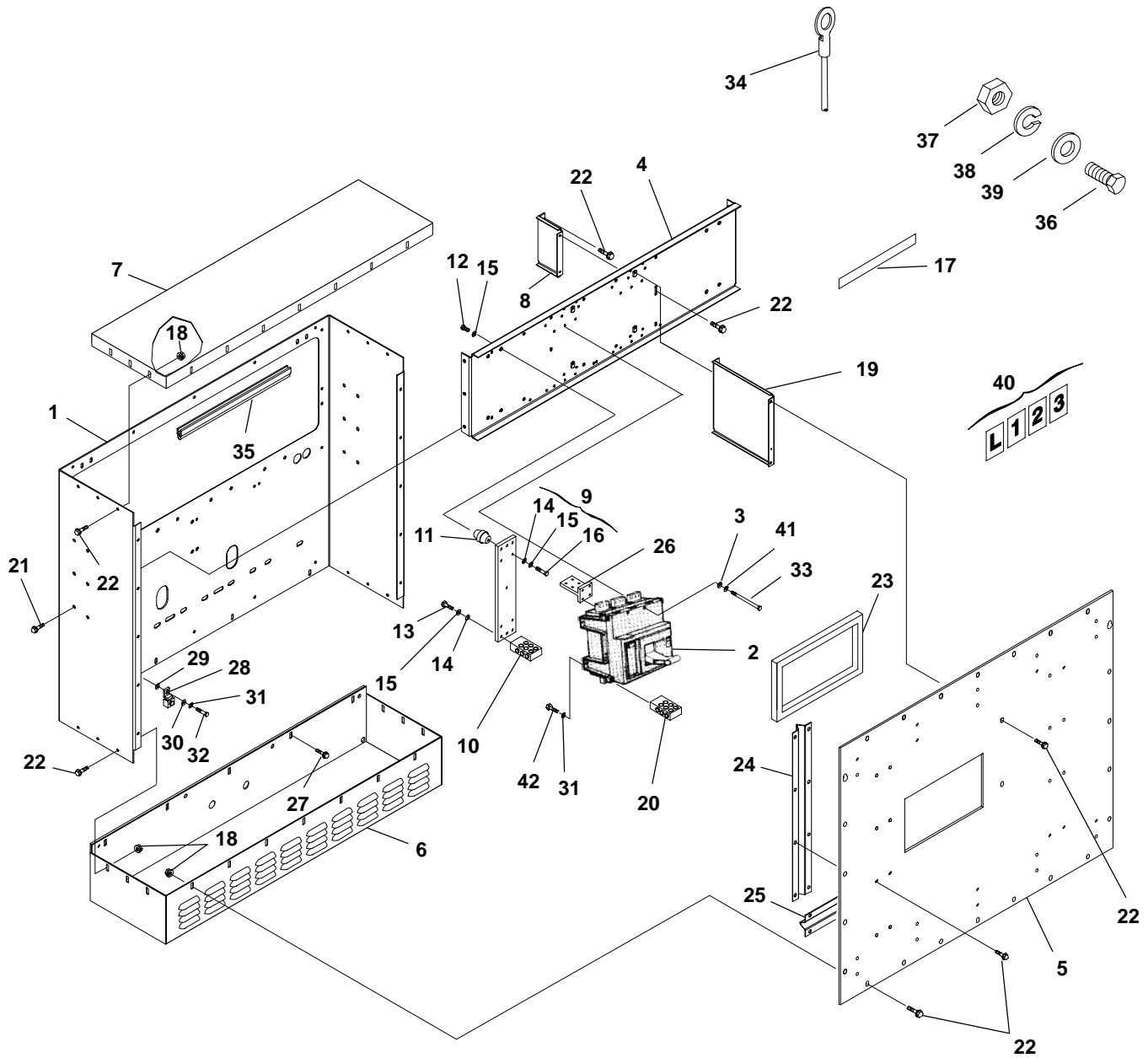


## Circuit Breaker UL Listed

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
<b>Continued...</b>							
33	800-2063	4	Screw, Cap – Hex Head (M8 x 50mm)	39	526-2140	48	Washer, Flat (M12)
34	226-4406-08	1	Lead – Circuit Breaker (Quantity Used As Required) 36" (Without Markings) (#1/0 Wire)	40			Label, Marker (10 Characters Per Card) (Quantity Used As Required)
35	508-1109	–	Edging – Bulk (Order By The Foot – 3 Feet Required)		098-5854-06	3	Marked "L"
			<b>The following four hardware items are used to fasten the load leads to the generator, neutral bar and circuit breaker.</b>		098-5854-07	1	Marked "1"
					098-5854-08	1	Marked "2"
					098-5854-09	1	Marked "3"
				41	850-2008	4	Washer, Lock – Spring (M8)
				42	526-2100	4	Washer, Flat (M8)
				43	850-2010	9	Washer, Lock – Spring (M10) CM1250-HH, CM1600-HH Breakers
36	800-2116	24	Screw, Cap – Hex Head (M12 x 50mm)				
37	860-2010	24	Nut, Hex (M12)				
38	850-2012	24	Washer, Lock – Spring (M12)				

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

# Disconnect Switch Molded Case UL Listed

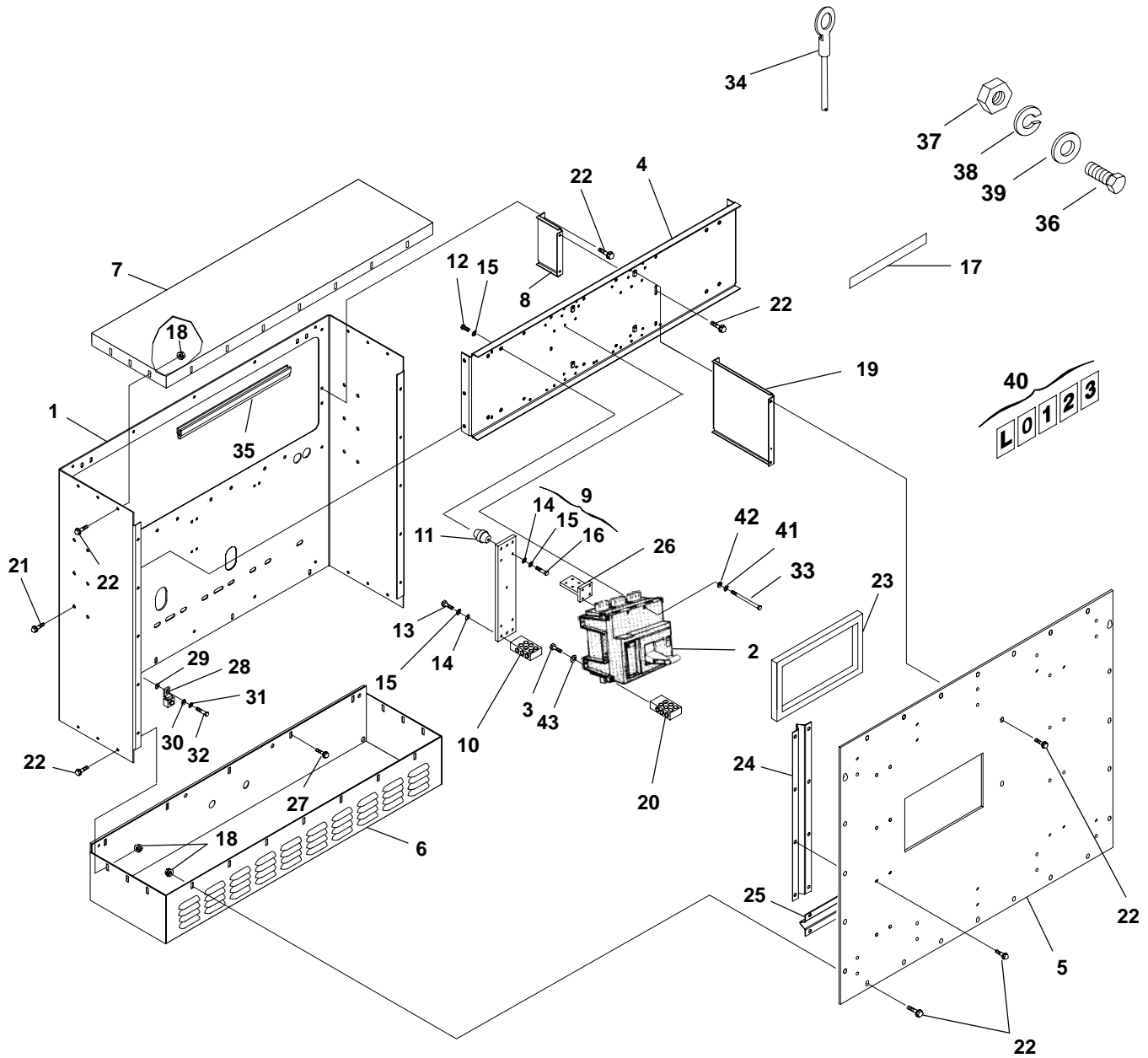


**Disconnect Switch  
Molded Case  
UL Listed**

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			Switch, Disconnect – 3 Pole (Includes Mounting Screws)	28	332-2001	1	Lug, Solderless
	320-1907-01	1	1600 Amp	29	856-0010	1	Washer, Lock – EIT (3/8")
	320-1907-02	1	2000 Amp	30	526-2120	1	Washer, Flat (M10)
3	526-2100	4	Washer, Flat (M8)	31	850-2010	1	Washer, Lock – Spring (M10) 2000 Amp
4	319-3153	1	Bracket, Mounting		850-2010	10	1600 Amp
5	319-3266-01	1	Cover, Disconnect Switch	32	800-2086	1	Screw, Cap – Hex Head (M10 x 25mm)
6	319-1925	1	Panel – Bottom	33	800-2063	4	Screw, Cap – Hex Head (M8 x 50mm)
7	319-1961	1	Panel – Top	34	226-4498-03	1	Lead – Disconnect Switch (Quantity Used As Required) 30" (Without Markings) (#1/0 Wire)
8	319-3253-02	1	Brace, Mounting – Disconnect Switch				Edging – Bulk (Order By The Foot – 3 Feet Required)
9	300-4480-01	1	Bar Assembly, Neutral (Includes Neutral Bars, Labels and Parts Marked *)	35	508-1109	–	<b>The following four hardware items are used to fasten the load leads to the generator, neutral bar and circuit breaker.</b>
10	332-3303-01	1	* Lug, Solderless				Screw, Cap – Hex Head (M12 x 50mm)
11	332-2744-07	4	* Standoff, Insulator	36	800-2116	24	Nut, Hex (M12)
12	800-0048	4	* Screw, Cap – Hex Head (3/8-16 x 3/4")	37	860-2010	24	Washer, Lock – Spring (M12)
13	800-2089	3	* Screw, Cap – Hex Head (M10 x 40mm)	38	850-2012	24	Washer, Flat (M12)
14	526-2120	7	* Washer, Flat (M10)	39	526-2140	48	Label, Marker (10 Characters Per Card) (Quantity Used As Required)
15	850-2010	11	* Washer, Lock – Spring (M10)	40			Marked "L"
16	800-0052	4	* Screw, Cap – Hex Head (3/8-16 x 1-1/2")		098-5854-06	3	Marked "1"
17	091-0002	1	* Strip, Copper (Used for wrapping ends of leads before securing to neutral bar lugs) (Quantity Used As Required)		098-5854-07	1	Marked "2"
18	870-0504	26	Nut, Self-Retaining (M6)		098-5854-08	1	Marked "3"
19	319-3252-02	1	Brace, Cover	41	850-2008	4	Washer, Lock – Spring (M8)
20	332-3303-01	3	Lug, Solderless	42	850-2089	9	Screw, Cap – Hex Head (M10 x 40mm)
21	821-6003-02	6	Screw, Self-Locking – Hex Washer Head (M8 x 20mm)				
22	821-6002-03	89	Screw, Self-Locking – Hex Washer Head (M6 x 16mm)				
23	895-0182	–	Stripping, Weather – Bulk (Order By The Foot – 4 Feet Required)				
24	319-3286	2	Brace, Cover (Vertical)				
25	319-3288	2	Brace, Cover (Horizontal)				
26			Bar, Bus (T-Bar) (Includes Mounting Hardware)				
	337-2789	1	2000 Amp				
	337-2789	4	1600 Amp				

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

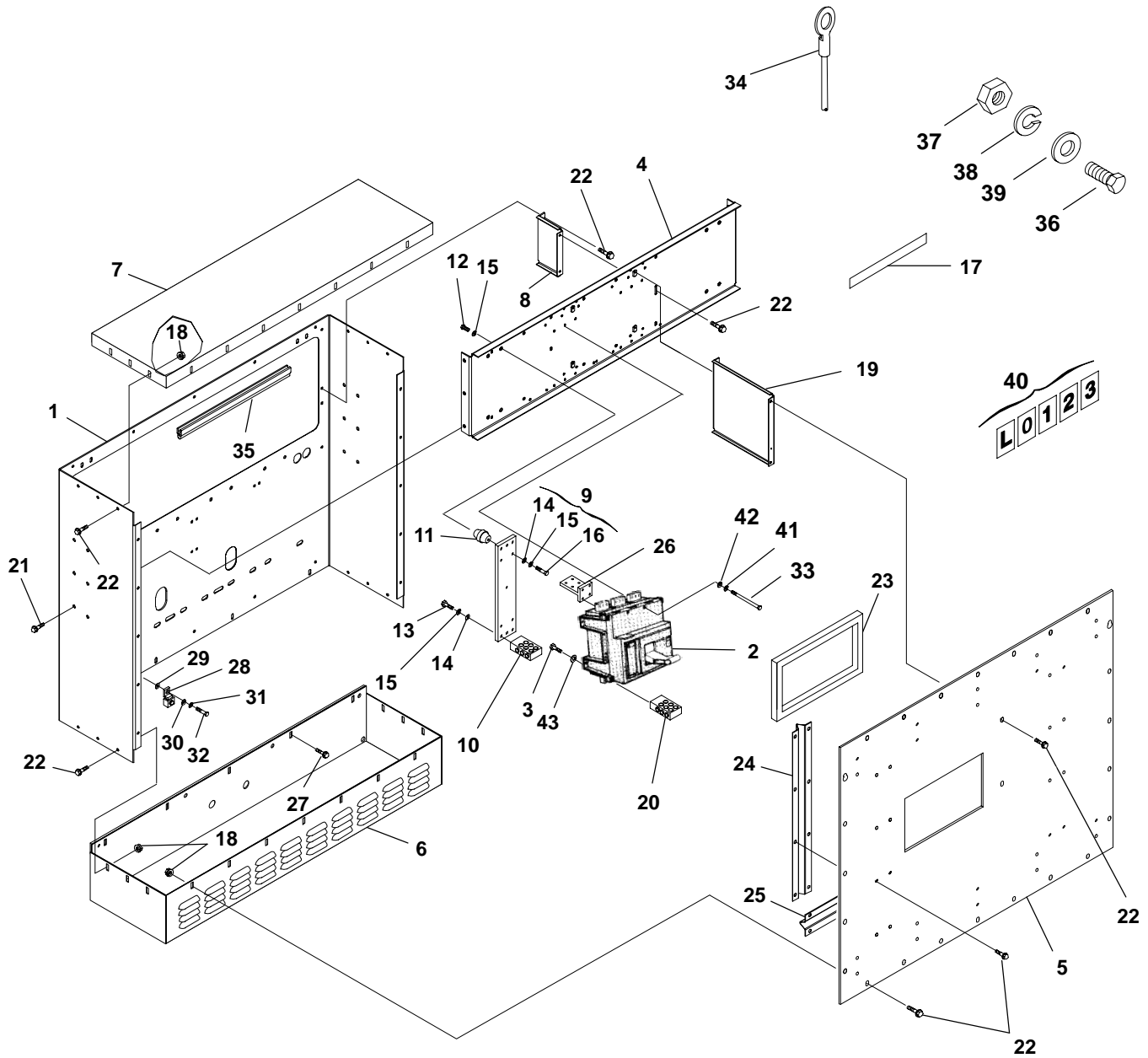
# **Circuit Breaker Non-UL Listed**



## Circuit Breaker Non-UL Listed

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3184	1	Box, Circuit Breaker	4	319-3153	1	Bracket, Mounting
2			Breaker, Circuit (Includes Mounting Screws) (CB21)	5			Cover, Circuit Breaker
			<b>Three Pole Breakers</b>		319-3266-01	1	Sets With 3 Pole Circuit Breakers
			<b>Standard</b>		319-3266-02	1	Sets With 4 Pole Circuit Breakers
	320-1699-01	1	Frame Size CM1250				
	320-1699	1	Frame Size CM1600	6	319-1925	1	Panel – Bottom
	320-1699-02	1	Frame Size CM2000	7	319-1961	1	Panel – Top
			<b>With 24 Volt Shunt Trip</b>	8	319-3253-02	1	Brace, Mounting – Circuit Breaker
	320-1699-05	1	Frame Size CM1250	9	300-4480-01	1	Bar Assembly, Neutral (Includes Neutral Bars, Labels and Parts Marked *) (Used With 3 Pole Circuit Breakers)
	320-1699-04	1	Frame Size CM1600				
	320-1699-06	1	Frame Size CM2000	10	332-3303-01	1	* Lug, Solderless
			<b>With Auxiliary</b>	11	332-2744-07	4	* Standoff, Insulator
			<b>Contacts, Bell Alarm and 24 Volt Shunt Trip</b>	12	800-0048	4	* Screw, Cap – Hex Head (3/8-16 x 3/4")
	320-1699-09	1	Frame Size CM1250	13	800-2089	3	* Screw, Cap – Hex Head (M10 x 40mm)
	320-1699-08	1	Frame Size CM1600	14	526-2120	7	* Washer, Flat (M10)
	320-1699-10	1	Frame Size CM2000	15	850-2010	11	* Washer, Lock – Spring (M10)
			<b>Four Pole Breakers</b>	16	800-0052	4	* Screw, Cap – Hex Head (3/8-16 x 1-1/2")
			<b>Standard</b>	17	091-0002	1	* Strip, Copper (Used for wrapping ends of leads before securing to neutral bar lugs) (Quantity Used As Required)
	320-1699-22	1	Frame Size CM1250	18	870-0504	26	Nut, Self-Retaining (M6)
	320-1699-21	1	Frame Size CM1600	19	319-3252-02	1	Brace, Cover
	320-1699-23	1	Frame Size CM2000	20			Lug, Solderless
			<b>With 24 Volt Shunt Trip</b>		332-3303-01	3	Sets With 3 Pole Circuit Breakers
	320-1699-26	1	Frame Size CM1250		332-3303-01	4	Sets With 4 Pole Circuit Breakers
	320-1699-25	1	Frame Size CM1600				
	320-1699-27	1	Frame Size CM2000	21	821-6003-02	6	Screw, Self-Locking – Hex Washer Head (M8 x 20mm)
			<b>With Auxiliary</b>	22			Screw, Self-Locking – Hex Washer Head (M6 x 16mm)
			<b>Contacts, Bell Alarm and 24 Volt Shunt Trip</b>		821-6002-03	89	Sets With 3 Pole Circuit Breakers
	320-1699-30	1	Frame Size CM1250		821-6002-03	81	Sets With 4 Pole Circuit Breakers
	320-1699-29	1	Frame Size CM1600				
	320-1699-31	1	Frame Size CM2000				
3			Screw, Cap – Hex Head (M10 x 40mm)	* – Parts Included In 300-4480-01 Neutral Bar Assembly			
	800-2089	9	Sets With 3 Pole Circuit Breakers	<b>Continued...</b>			
	800-2089	12	Sets With 4 Pole Circuit Breakers				

# **Circuit Breaker Non-UL Listed**



## Circuit Breaker Non-UL Listed

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
<b>Continued...</b>							
23			Stripping, Weather – Bulk (Order By The Foot)	35	508–1109	–	Edging – Bulk (Order By The Foot – 3 Feet Required)
	895–0182	–	Sets With 3 Pole Circuit Breakers (4 Feet Required)				<b>The following four hardware items are used to fasten the load leads to the generator.</b>
	895–0182	–	Sets With 4 Pole Circuit Breakers (6 Feet Required)	36	800–2116	24	Screw, Cap – Hex Head (M12 x 50mm)
24			Brace, Cover (Vertical)	37	860–2010	24	Nut, Hex (M12)
	319–3286	2	Sets With 3 Pole Circuit Breakers	38	850–2012	24	Washer, Lock – Spring (M12)
	319–3286	1	Sets With 4 Pole Circuit Breakers	39	526–2140	48	Washer, Flat (M12)
25	319–3288	2	Brace, Cover (Horizontal)	40			Label, Marker (10 Characters Per Card) (Quantity Used As Required)
26			Bar, Bus (T–Bar) (Includes Mounting Hardware)		098–5854–06	3	Marked “L”
	337–2789	4	Sets With Frame Size CM1250 and CM1600 Circuit Breakers		098–5854–06	4	Sets With 3 Pole Circuit Breakers
	337–2789	1	Sets With Frame Size CM2000 Circuit Breakers		098–5854–07	1	Sets With 4 Pole Circuit Breakers
27	821–2035	5	Screw, Self–Locking – Hex Washer Head (M6 x 25mm)		098–5854–08	1	Marked “1”
28	332–2001	1	Lug, Solderless		098–5854–09	1	Marked “2”
29	856–0010	1	Washer, Lock – EIT (3/8”)		098–5854–10	1	Marked “3”
30	526–2120	1	Washer, Flat (M10)				Marked “0” (Sets With 4 Pole Circuit Breakers)
31	850–2010	1	Washer, Lock – Spring (M10)	41	850–2008	4	Washer, Lock – Spring (M8)
32	800–2086	1	Screw, Cap – Hex Head (M10 x 25mm)	42	526–2100	4	Washer, Flat (M8)
33	800–2063	4	Screw, Cap – Hex Head (M8 x 50mm)	43	850–2010	9	Washer, Lock – Spring (M10)
34	226–4406–08	1	Lead – Circuit Breaker (Quantity Used As Required) 36” (Without Markings) (#1/0 Wire)		850–2010	12	Sets With 3 Pole Circuit Breakers
							Sets With 4 Pole Circuit Breakers

\* – Parts Included In 300–4480–01 Neutral Bar Assembly

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