Parts Manual

Generator Set

with PowerCommand® 3201 Controller

DQKB (Spec G)
DQKC (Spec G)
DQKD (Spec A)
DQKH (Spec A–E)

English
Original Instructions

1-2014

961–0200 (Issue 14)

MODEL IDENTIFICATION

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.

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

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

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

PRODUCT SAFETY PRECAUTIONS

⚠WARNING

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.

⚠WARNING

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.

⚠WARNING

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!

⚠WARNING

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

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

Cummins Power Generation Generator Model	Cummins Engine Model
DQKB, DQKC (50 Hertz)	QSK60–G3
DQKB, DQKC (60 Hertz)	QSK60–G6
DQKD (50 Hertz)	QSK60–G4
DQKH (50 Hertz)	QSK60–G8
DQKH (60 Hertz)	OSK60–G9

Generator Set Data Table

Model and Specification	Electrical Data					Battery Voltage
	Watts	Volts	Hertz	Wire	Phase	
1500DQKB/*	1,500,000	#	50	4L, 6L	3	24VDC
1650DQKC/*	1,650,000	#	50	4L, 6L	3	24VDC
1750DQKB/*	1,750,000	#	60	4L, 6L	3	24VDC
2000DQKC/*	2,000,000	#	60	4L, 6L	3	24VDC
1800DQKD/*	1,800,000	#	50	4L, 6L	3	24VDC
2000DQKH/*	2,000,000	#	50	4L, 6L	3	24VDC
2250DQKH/*	2,250,000	#	60	4L, 6L	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.

– 380–13,800V (Refer to Genset Data Sheet).

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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
		UL	Underwriters Laboratories Inc.
IT	Internal Tooth	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
			Onan Green Enamel (Non−Metallic)
	525−0305	−	12 oz. Pressurized Spray Can
	525−0306	−	Quart Can
	525−0304	−	Gallon Can

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	518−0601	−	Sealant, Thread (6 ml Tube)

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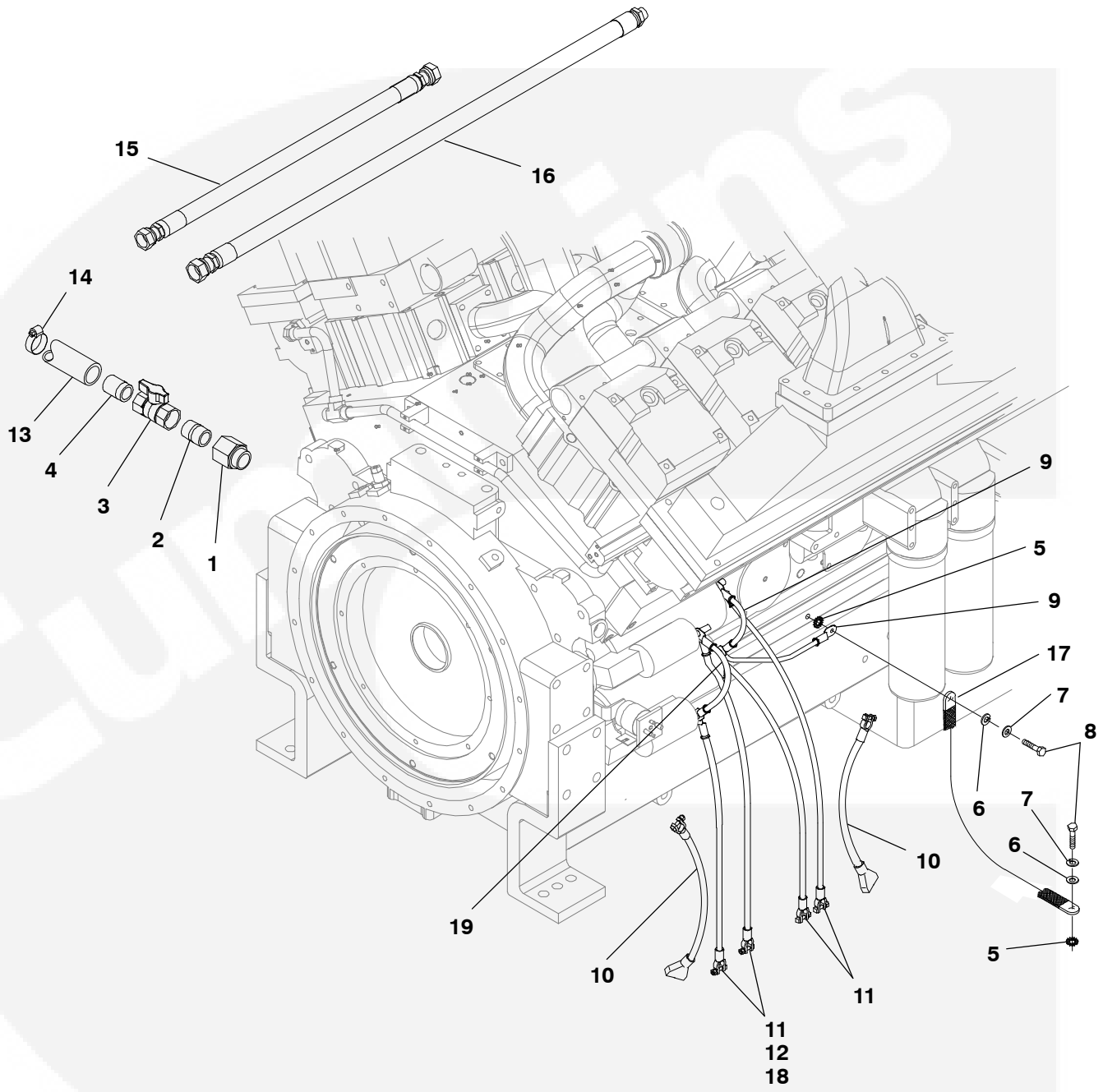
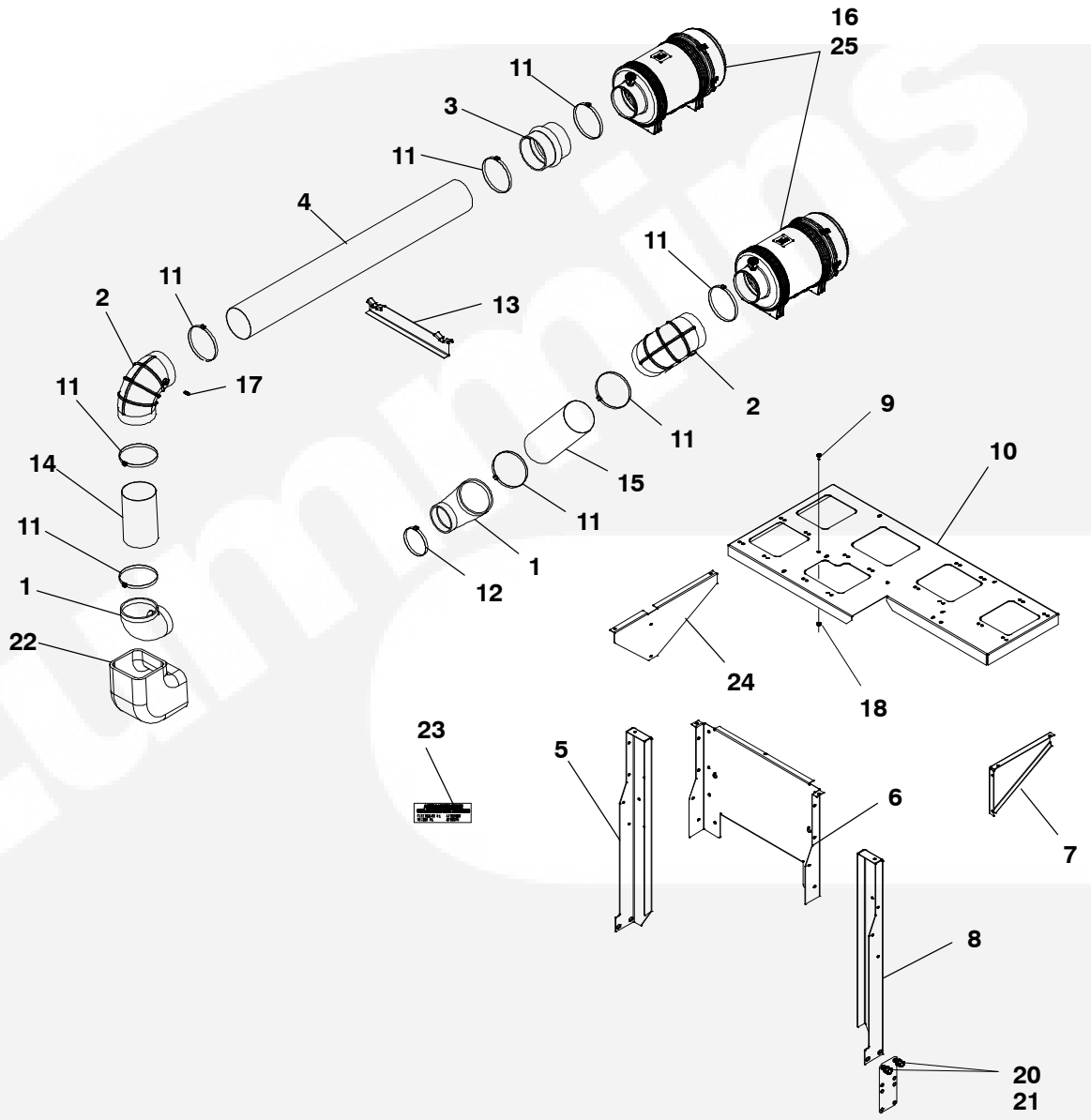
Engine Accessories



Engine Accessories

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	541–1416	1	* Kit Heater, Relay
1	505–1508	1	Adapter (3/4" Female to M27 Male) (Includes "O" Ring)
2	505–0102	1	Nipple, Pipe – Close (3/4")
3	504–0171	1	Valve, Shutoff (3/4")
4	505–0324	1	Nipple, Pipe – Half (3/4" x 2")
5	856–0013	2	Washer, Lock – EIT (1/2")
6	526–2140	2	Washer, Flat (M12)
7	850–2012	2	Washer, Lock – Spring (M12)
8	800–2111	2	Screw, Cap – Hex Head (M12 x 25mm)
9	416–0680	2	Cable, Starter
10	416–1096	2	Cable, Jumper
11	416–0639	4	Cable, Battery
12	416–1019	2	Boot, Battery (Red)
13	503–0249	–	Hose, Oil Drain – Bulk (3/4" ID) (Order By The Foot – 3 Feet Required)
14	503–0189	1	Clamp, Hose
15	501–0708	1	Line, Fuel – Flexible (Fuel In)
16			Line, Fuel – Flexible (Fuel Out)
	501–0697–04	1	Radiator Cooled
	501–0697–05	1	Remote Radiator
17	337–0090–01	1	Strap, Ground (27")
18	416–1084–01	2	Boot, Starter (Red)
19	416–0632	1	Cable, Starter

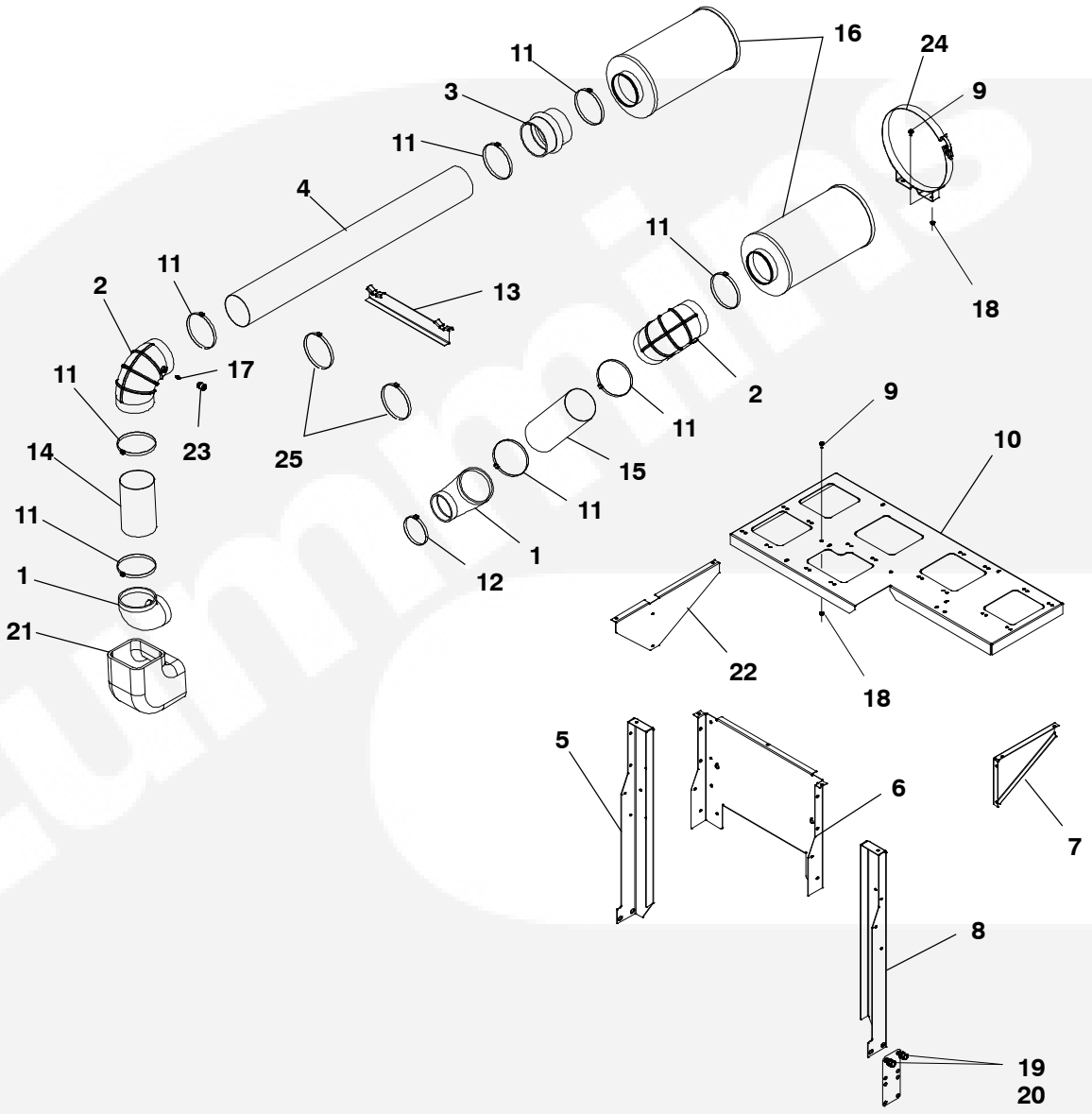
Air Cleaner
DQKB, DQKC, DQKD, DQKH – 50 Hz
DQKB, DQKC – 60 Hz



Air Cleaner
DQKB, DQKC, DQKD, DQKH – 50 Hz
DQKB, DQKC – 60 Hz

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	503–2102	4	Elbow, Reducer – 90° (7 x 5.5)
2	503–0970–01	4	Elbow
3	503–1705	2	Hose (7”)
4	503–3518–02	2	Tube, Air Cleaner
5	503–3504–02	1	Bracket, Air Cleaner – Vertical Right
6	503–3506–02	1	Bracket, Air Cleaner – Plate
7	503–3507–02	1	Bracket, Air Cleaner – Angle
8	503–3505–02	1	Bracket, Air Cleaner – Vertical Left
9	821–6003–02	41	Screw, Hex Head (M8 x 1.25 x 20)
10	140–3508–02	1	Bracket, Air Cleaner – Top
11	503–1870–14	18	Clamp, Hose
12	503–1870–11	4	Clamp, Hose
13	140–3517–02	1	Bracket, Air Cleaner
14	140–3516–02	2	Tube, Air Cleaner
15	140–3515–02	2	Tube, Air Cleaner
16	140–3288–02	4	Housing, Air Cleaner – Flame Retardant
17	140–1260	4	Fitting, Safety Filter
18	870–2065–03	3	Nut, Hex – Flange
19	517–0080	4	Plug, Tapered (Not Illustrated)
20	800–2201	4	Screw, Cap – Hex Head (M20 x 2.5 x 35)
21	850–2020	4	Washer, Lock (M20)
22	155–4101	2	Shield, Heat
23	098–7954	1	Label, Information
24	140–3546–02	1	Bracket, Air Cleaner – Angled
25	AF25708M	6	Element, Replacement (Not Illustrated) (Fleetguard Part Number)

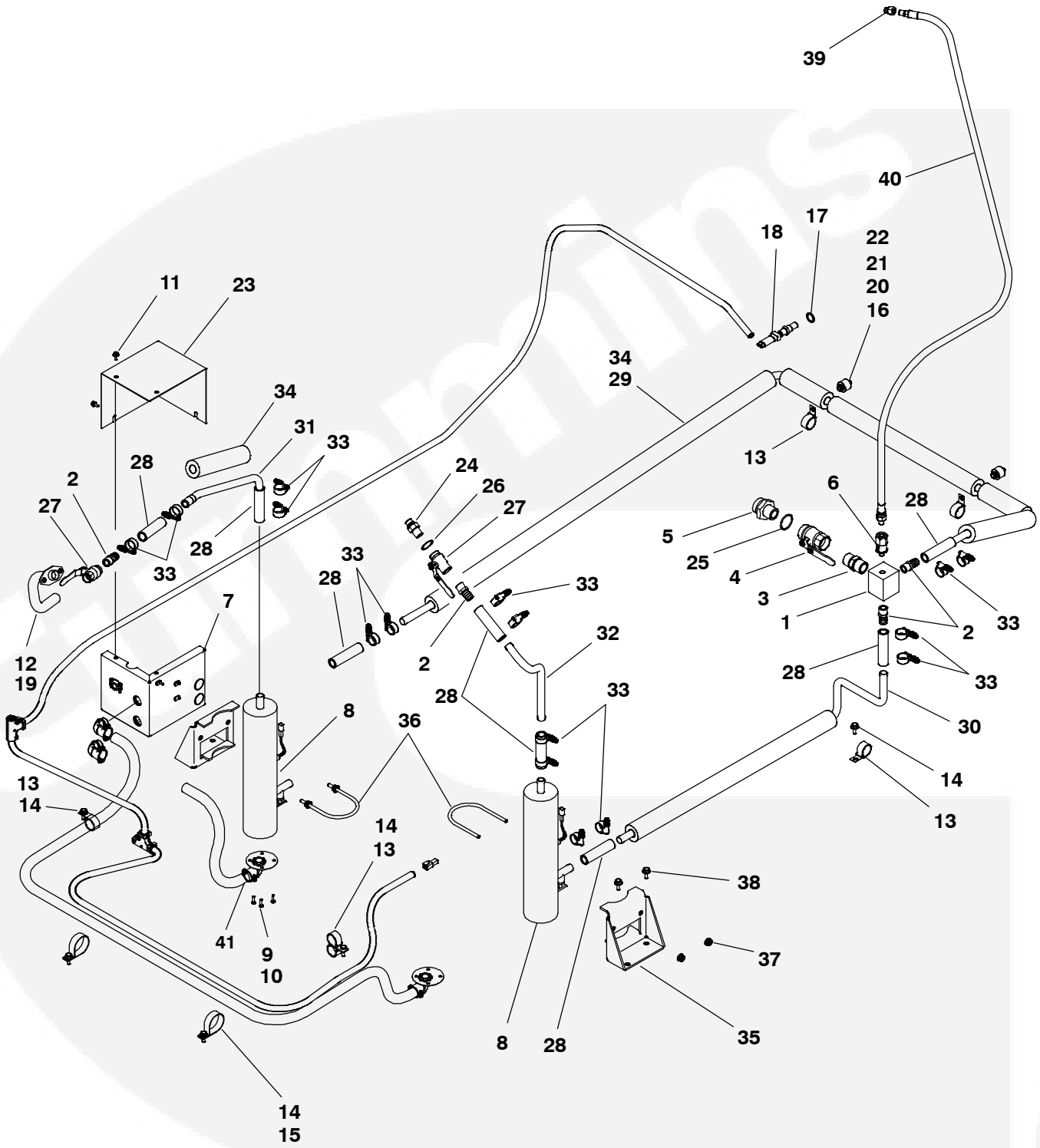
Air Cleaner
DQKH – 60 Hz



Air Cleaner
DQKH – 60 Hz

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	503–2102	4	Elbow, Reducer – 90° (7 x 5.5)
2	503–0970–01	4	Elbow
3	503–1705	2	Hose (7”)
4	140–3518–02	2	Tube, Air Cleaner
5	140–3504–02	1	Bracket, Air Cleaner – Vertical Right
6	140–3506–02	1	Bracket, Air Cleaner – Plate
7	140–3507–02	1	Bracket, Air Cleaner – Angle
8	140–3505–02	1	Bracket, Air Cleaner – Vertical Left
9	821–6003–02	41	Screw, Hex Head (M8 x 1.25 x 20)
10	140–3508–02	1	Bracket, Air Cleaner – Top
11	503–1870–14	16	Clamp, Hose
12	503–1870–11	4	Clamp, Hose
13	140–3517–02	1	Bracket, Air Cleaner
14	140–3516–02	2	Tube, Air Cleaner
15	140–3515–02	2	Tube, Air Cleaner
16	140–2501	4	Cleaner, Air
17	140–1260	4	Fitting, Safety Filter
18	870–2065–03	19	Nut, Hex – Flange
19	800–2201	4	Screw, Cap – Hex Head (M20 x 2.5 x 35)
20	850–2020	4	Washer, Lock (M20)
21	155–4101	2	Shield, Heat
22	140–3546–02	1	Bracket, Air Cleaner – Angled
23	140–1548	4	Indicator, Service
24	140–2502	8	Strap, Air Cleaner
25	503–1870–13	2	Clamp, Hose

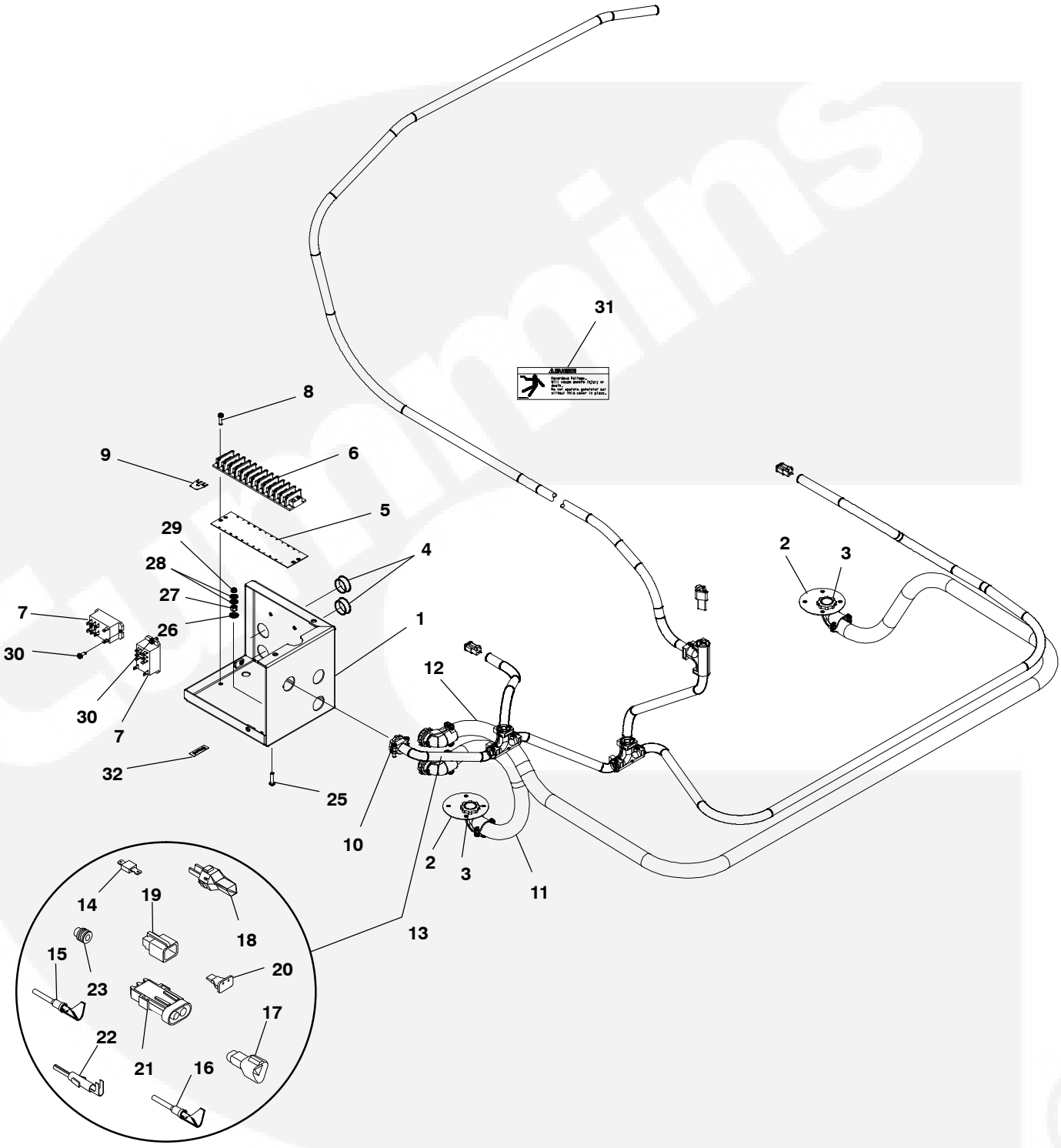
Engine Coolant Heater



Engine Coolant Heater

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	133–0226	1	Manifold, Heater
2	502–1704	4	Hose, Barb
3	505–1576–02	1	Nipple. Hex Pipe (1 NPT)
4	504–0214	1	Valve, Ball (1 NPT)
5	505–2113	1	Adapter, Pipe (M42 x 1 NPT)
6	504–0215	1	Valve, Check (1/4” NPT)
7		1	Control Assembly, Heater (See Separate Page for Components)
8			Heater, Water
	333–0677–01	2	4990 Watts
	333–0677–02	2	6420 Watts
9	815–0539	6	Screw, Cross Recessed (#8–32 x 5/8”)
10	870–0131	6	Nut, Hex w/ET (#8–32)
11	526–0128	2	Washer, Flat
12	130–5089–04	1	Tube Assembly, Heater
13	332–2634	6	Clamp, “J”
14	821–6003–02	11	Screw, Hex Head SEMS (M8 x 1–1/4 x 20)
15	518–0548–24	2	Clamp, Hose
16	130–3660–03	2	Spacer, Shock Absorber
17	509–0408–04	1	Seal, “O”-Ring
18	A030X518	1	Thermostat
19	509–0283–01	1	Seal, Rect. Ring
20	526–2100	2	Washer, Flat (M8)
21	850–2008	2	Washer, Lock (M8)
22	800–2060	2	Screw, Hex Head Cap (M8 x 1–1/4” x 35)
23	319–6838	1	Cover, Control
24	505–2112	1	Adapter, Pipe (M18 x 1/2” NPT)
25	509–0378	1	Seal, O–Ring (M42)
26	509–0379	1	Seal, O–Ring (M18)
27	504–0213	2	Valve, Ball (1/2” NPT)
28	503–3062–01	8	Hose, Silicone, Rubber
29	130–5770–02	1	Tube, Water Heater
30	130–5771–02	1	Tube, Water Heater
31	130–5772–02	1	Tube, Water Heater
32	130–5773–02	1	Tube, Water Heater
33	503–2157–02	16	Clamp, Hose
34	128–0108	12’	Insulation, Hose
35	A030A089	2	Bracket, Water Heater
36	155–3021	2	Clamp, Water Heater
37	870–0550–09	4	Nut, Hex Flange (3/8”–1)
38	821–5002–03	4	Screw, Hex Head SEMS (1/4–20 x 1/2”)
39	502–1318	1	Adapter, Pipe
40	501–0744–05	1	Hose Assembly, Coolant
41	130–5088	1	Adapter–Heater

Coolant Heater Control

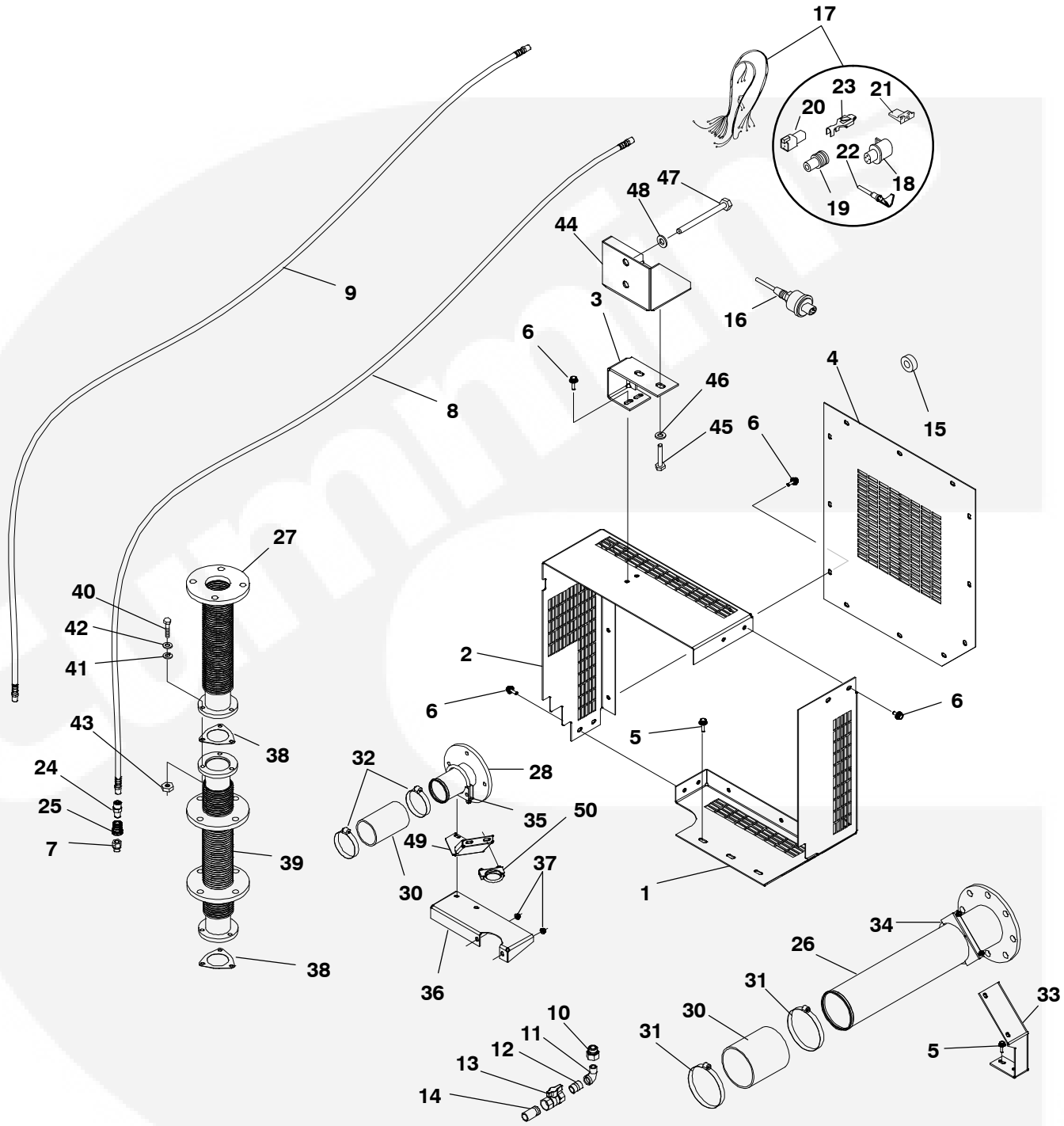


Coolant Heater Control

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	319–6370	1	Control Assy
1	319–4787–02	1	Box, Terminal
2	130–4552	2	Cover, Coolant Heater
3	331–0555	5	Nut, Connector Lock (3/4–14)
4	517–0138–02	2	Plug, Hole (Fits 1–1/8” Hole)
5	332–1469	1	Strip, Marker
6	332–1468	1	Block, Terminal – 12 Place (TB1)
7	307–3089	2	Relay, Power
8	815–0447	2	Screw, Machine – Round Head – Cross Recessed W/IT – (#8–32 x 3/4”)
9	332–3440	2	Jumper, Terminal
10	331–0042	1	Connector, Wiring – DC – Romex (3/4”)
11	338–4995–03	1	Harness, Wiring – Eng.
12	338–4995–05	1	Harness, Wiring – Eng.
13	338–4986	1	Harness, Wiring – (Includes Parts Marked *)
14	357–0030	1	* Rectifier (6 Amp)
15	357–0004	1	* Rectifier (1 Amp)
16	323–1491	3	* Pin, Contact
17	323–1492	4	* Socket, Contact
18	323–1494	1	* Connector, Receptacle (3 Pin)
19	323–1502	1	* Wedge, Receptacle
20	323–1504	2	* Connector, Plug (2 Pin)
21	323–1500	2	* Wedge, Plug
22	323–1652	1	* Connector, Plug – 2–Way (2 Pin)
23	323–1718	2	* Pin, Contact
24	323–1445	2	* Seal, Cable
25	815–0203	1	Screw, Machine – Round Head W/ET (#10–32 x 7/8”)
26	856–0003	1	Washer, ET Lock (#10)
27	871–0010	1	Nut, Hex Brass (#10–32)
28	526–0049	2	Washer, Flat Brass (#10)
29	870–0131	1	Nut, Hex w/ ET (#10–32)
30	815–0446	4	Screw, Round Head – Cross Recessed – Thread Cutting – W/IT (#8–32 x .50)
31	098–5347–01	1	Label, Danger
32	098–2235–02	1	Label, Ground

* – Parts Included In 338–4986 Wiring Harness

Remote Radiator

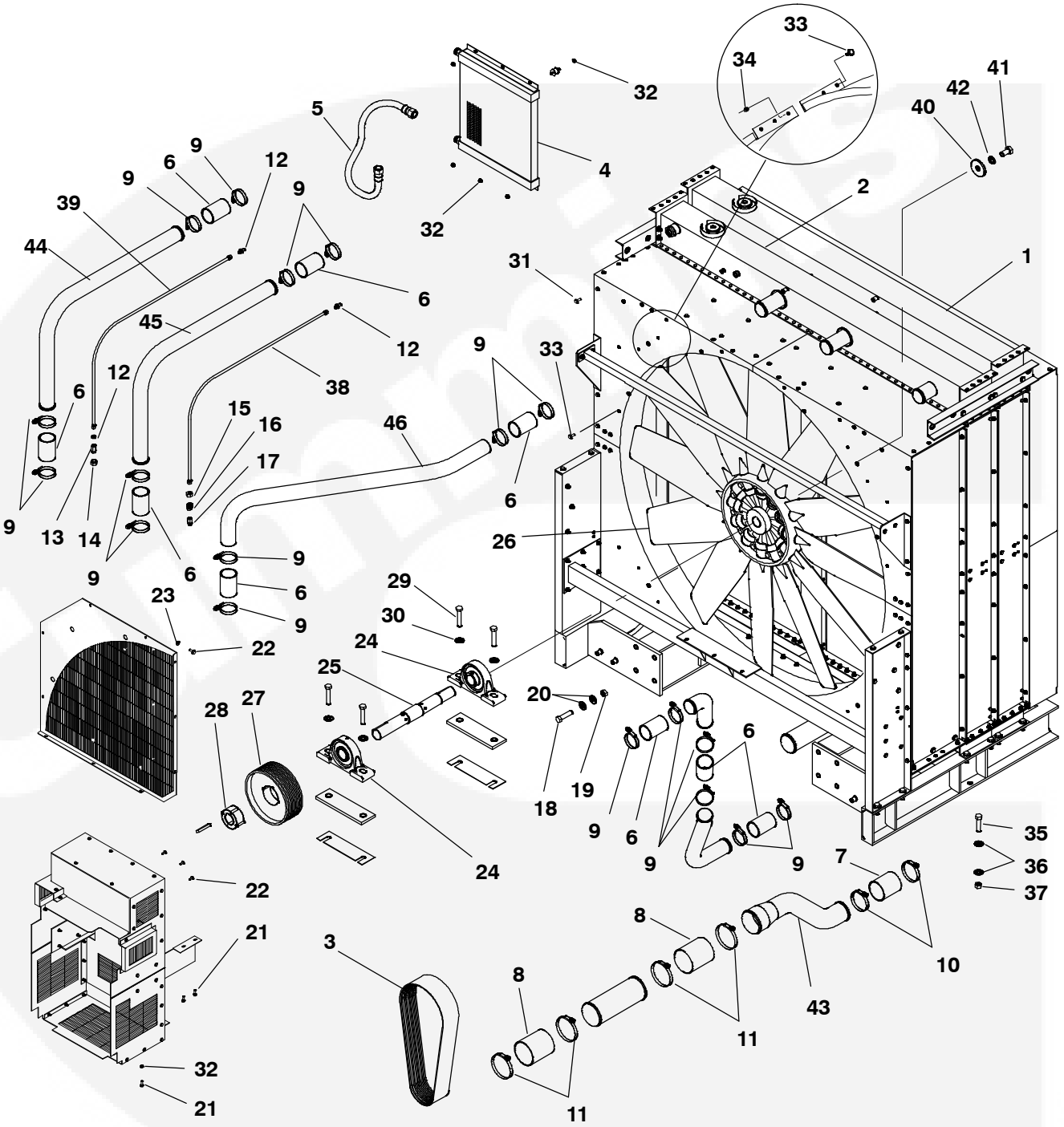


Remote Radiator

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130–5642–02	1	Guard, Damper (Left Side)
2	130–5641–02	1	Guard, Damper (Right Side)
3	130–5281–02	1	Bracket, Guard
4	130–5282–02	1	Cover, Damper
5			Screw, Hex Head (M8 x 1.25 x 25)
	821–6003–03	3	Without Flanges
	821–6003–03	5	With Flanges
	821–6003–03	5	With Heat Exchanger
6	821–6003–01	18	Screw, Hex Head (M8 x 1.25 x 16)
7	502–1318	1	Adapter, Pipe (M14 x 1/4)
8	503–2129–05	1	Line, Radiator Vent
9	503–2129–04	1	Line, Radiator Vent
10	502–1326	1	Adapter, Pipe (M33 x 3/4)
11	505–0051	1	Elbow, Street – 90° (3/4)
12	505–0102	1	Nipple, Pipe (3/4 x 1.38)
13	504–0171	1	Valve
14	505–0324	1	Nipple, Half (3/4)
15	370–4081	8	Spacer
16	193–0486	1	Sender, Low Coolant Level
17	338–3832	1	Harness, Wiring – Low Coolant Level Sender (4 Wire, 169") (Includes Parts Marked *)
18	323–1765	1	* Connector, Housing – 4 Place (Station 20)
19	323–1708	4	* Seal, Cable (Used With Station 20)
20	323–1549	1	* Connector, Receptacle – 4 Place (Inline G)
21	323–1547	1	* Wedge, Receptacle (Used With Inline G)
22	323–1491	4	* Pin, Contact (Used With Inline G)
23	323–1709	4	* Socket, Contact (Used With Station 20)
24	309–0635–02	1	Valve, Check
25	A034X579	1	Coupling, Reducer (3/8 x 1/4)
26	130–4517	1	Tube, Water Inlet
27	130–3687	3	Tube, Water Outlet – Flexible
28	130–5081–02	1	Tube, Water Inlet
29	503–1726	1	Hose, Radiator (5.00 x 6.00)
30	503–1728	1	Hose, Radiator (3.00 x 5.50)
31	503–1872–09	2	Clamp, Hose
32	503–1872–05	2	Clamp, Hose
33	130–5168–02	1	Bracket, Tube
34	155–3290	1	Clamp, Muffler (5")
35	155–3289	1	Clamp, Muffler (3")
36	130–5082–02	1	Bracket, Water Inlet
37	870–2065–03	2	Nut, Hex – Flange (M8)
38	130–3684	6	Gasket
39	130–5084–02	3	Tube, Water Outlet – Flexible
40	800–3017–41	10	Screw, Cap – Hex Head (M10 x 1.5 x 45)
41	526–0399–62	10	Washer, Flat (M10)
42	850–0114–55	9	Washer, Lock – Split (M10)
43	862–0026–56	9	Nut, Hex (M10 x 1.5)
44	130–5458–02	1	Bracket, Support
45	800–3017–54	2	Screw, Cap – Hex Head (M12 x 1.75 x 30)
46	526–0399–64	2	Washer, Flat (M12)
47	800–6284–01	2	Screw, Cap – Hex Head (M16 x 2 x 180)
48	526–0399–75	2	Washer, Flat (M16)
49	130–5774–02	1	Bracket, Tube – LTA
50	155–4031	1	Clamp, Exhaust (2-1/8)

* – Parts Included In 338–3832 Wiring Harness

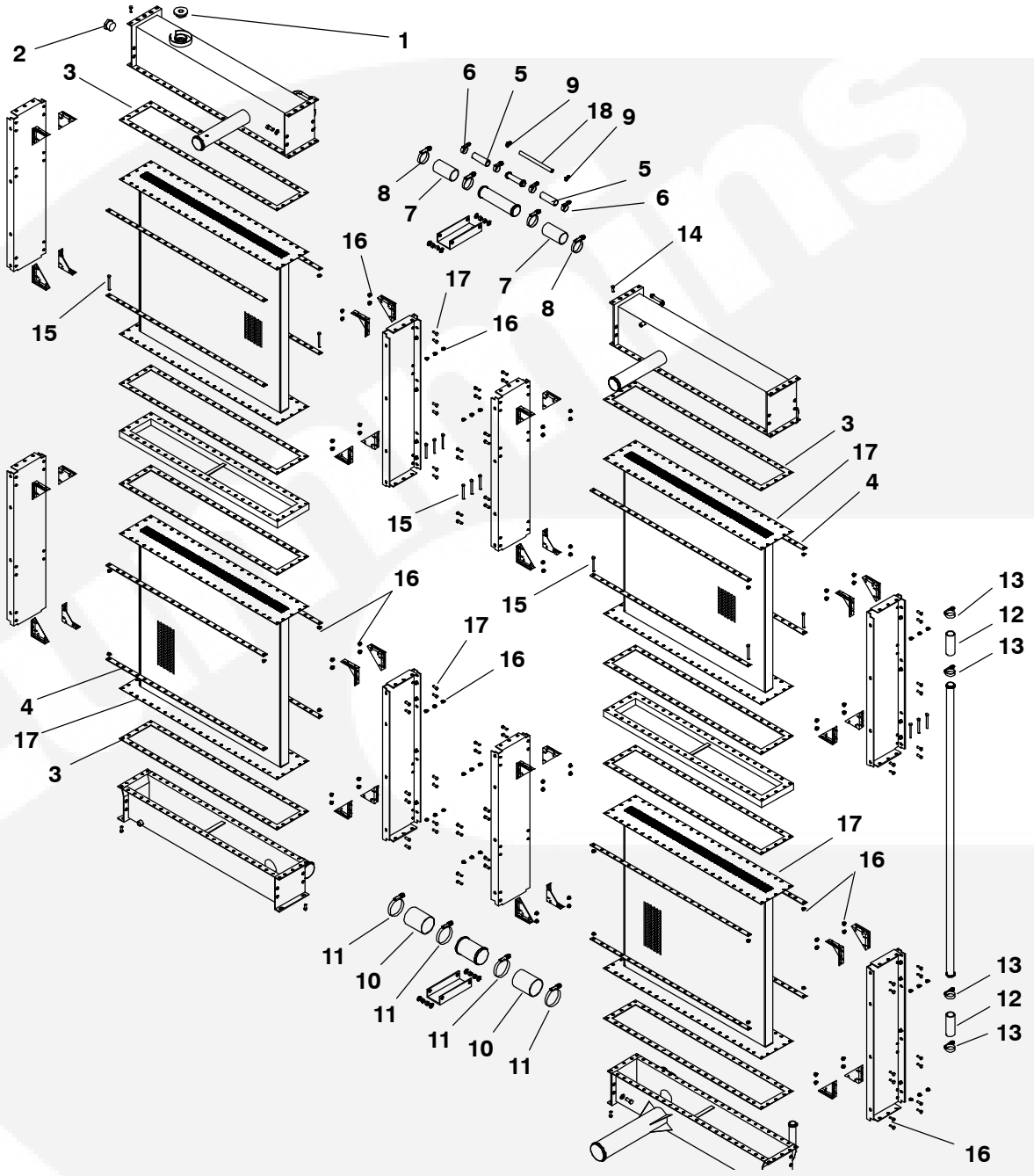
Radiator
DQKB, DQKC, DQKH – 50°C, 60 Hz
DQKH – 40°C, 50 Hz



Radiator
DQKB, DQKC, DQKH – 50°C, 60 Hz
DQKH – 40°C, 50 Hz

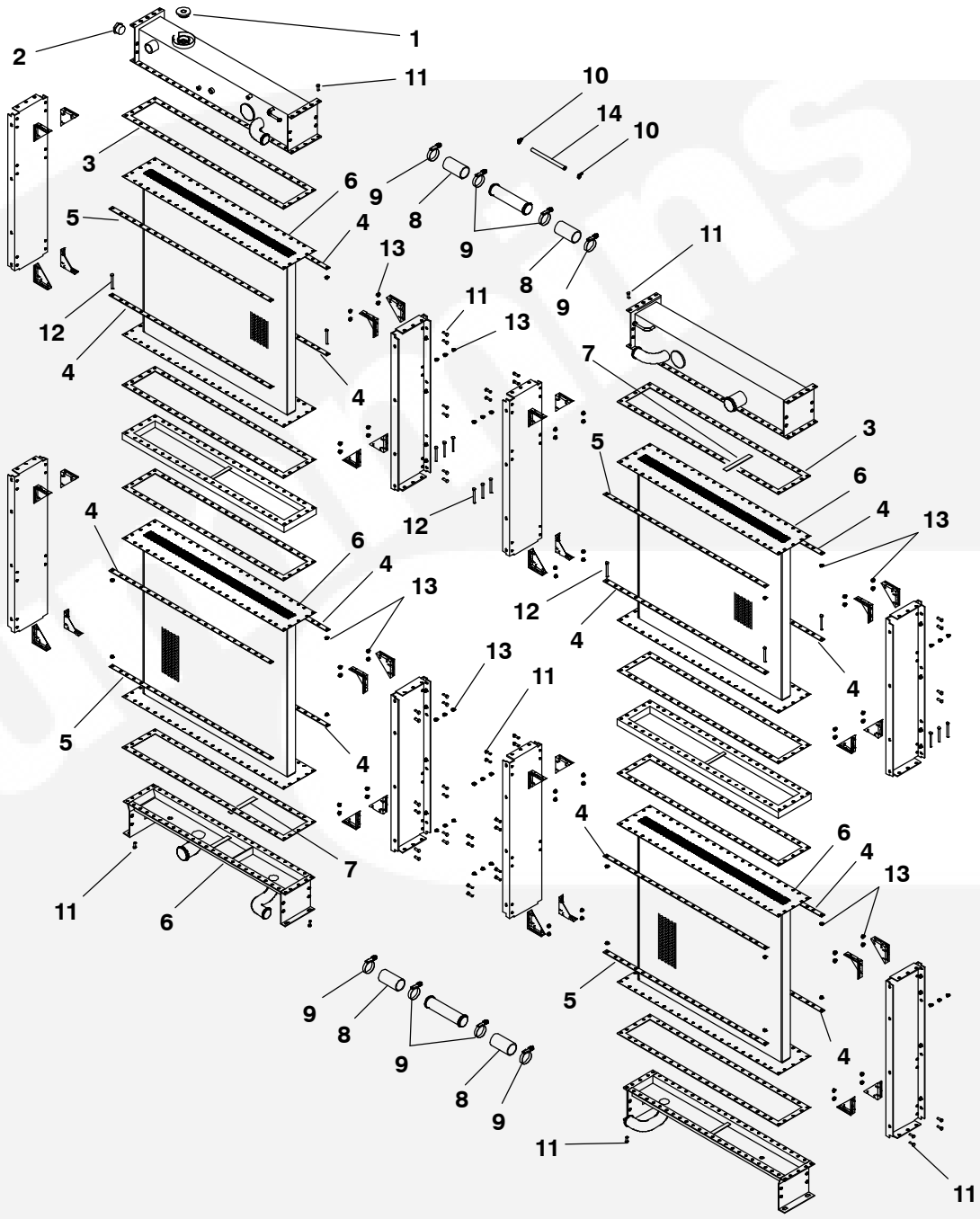
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Radiator (Includes Jacketwater, Aftercooler, Cap, Overflow Hose and Sight Gauge Service Parts)
	179–3455	1	50 Hz
	179–2988	1	60 Hz
1			Slab, Jacket Water – (See Separate Page For Components)
			Left Side
	XXX–XXXX	1	50 Hz **(TBD)**
	130–5706	1	60 Hz
			Right Side
	XXX–XXXX	1	50 Hz **(TBD)**
	130–5705	1	60 Hz
2			Slab, LTA (See Separate Page For Components)
			Left Side
	XXX–XXXX	1	50 Hz **(TBD)**
	130–5708	1	60 Hz
			Right Side
	XXX–XXXX	1	50 Hz **(TBD)**
	130–5707	1	60 Hz
3	130–5338	1	Belt, Fan
4	130–5339	1	Cooler, Fuel
5	501–0814	1	Hose, Fuel
6	130–5359	9	Hose 3”
7	130–5354	1	Hose 4”
8	130–5356	2	Hose, JW 5”
9	503–1872–05	18	Clamp, Hose
10	503–1872–07	2	Clamp, Hose
11	503–1872–10	4	Clamp, Hose
12	130–5355	3	Adapter – 1/4 BSPT x 1/4 BSPP M/M
13	130–5414	1	Socket, Hex
14	130–5415	1	Adapter – 11/16” ORFS – 1/4” BSP F/M
15	505–2160	1	Adapter – 1/4” BSP x 3/8” NPT M/F
16	309–0635–02	1	Valve, Check
17	502–1318	1	Adapter – M14 x 1/4” NPT M/F
18	800–6317	8	Screw, Hex Head (M20 x 50 CL 10.9)
19	860–2035	8	Nut, Hex (M20 CL10 Nyloc)
20	526–2304	16	Washer, Flat (M20 CL10)
21	130–5420	19	Bolt (M8 x 25 CL 8.8)
22	130–5418	39	Bolt (M6 x 20 CL 6.6)
23	860–2033	13	Nut, Hex (M6)
24			Bearing, Fan
	130–5329	2	UCP312
	130–5330	2	UCP313
25	130–5331	1	Shaft, Fan
26	130–5335	1	Fan, Impeller
27			Pulley, Fan
	XXX–XXXX	1	50 Hz **(TBD)**
	130–5336	1	60 Hz
28	130–5337	1	Bushing, Taper Lock
29	800–2213	4	Bolt (M20 x 100)
30	526–2304	8	Washer, Flat (M20)
31	130–5420	78	Bolt (M8 x 25)
32	130–5419	46	Nut, Hex (M8)
33	130–5418	32	Bolt (M6 x 20)
34	870–0506	28	Nut, Nyloc – (M6)
35	800–2175	12	Bolt (M16 x 50 CL 8.8)
36	860–2034	12	Nut, Nyloc (M16)
37	526–0038	24	Washer, Flat (M16)
38	130–5713	1	Vent Line, Jacket Water
39	130–5714	1	Vent Line, LTA
40	130–5332	1	Washer, Fan – Machined
41	130–5334	1	Screw, Set (M20 x 40)
42	130–5333	1	Washer, Spring (M20)
43	503–2454	1	Hose, Reducing (4” to 5” ID) (Not used on all Specs)
44	130–6741	1	Tube, Radiator (2.54cms length)
45	130–6742	1	Tube, Radiator (121.92cms length)
46	130–6743	1	Tube, Radiator (160.02cms length)

Jacket Water
60 Hz
DQKB, DQKC, DQKH



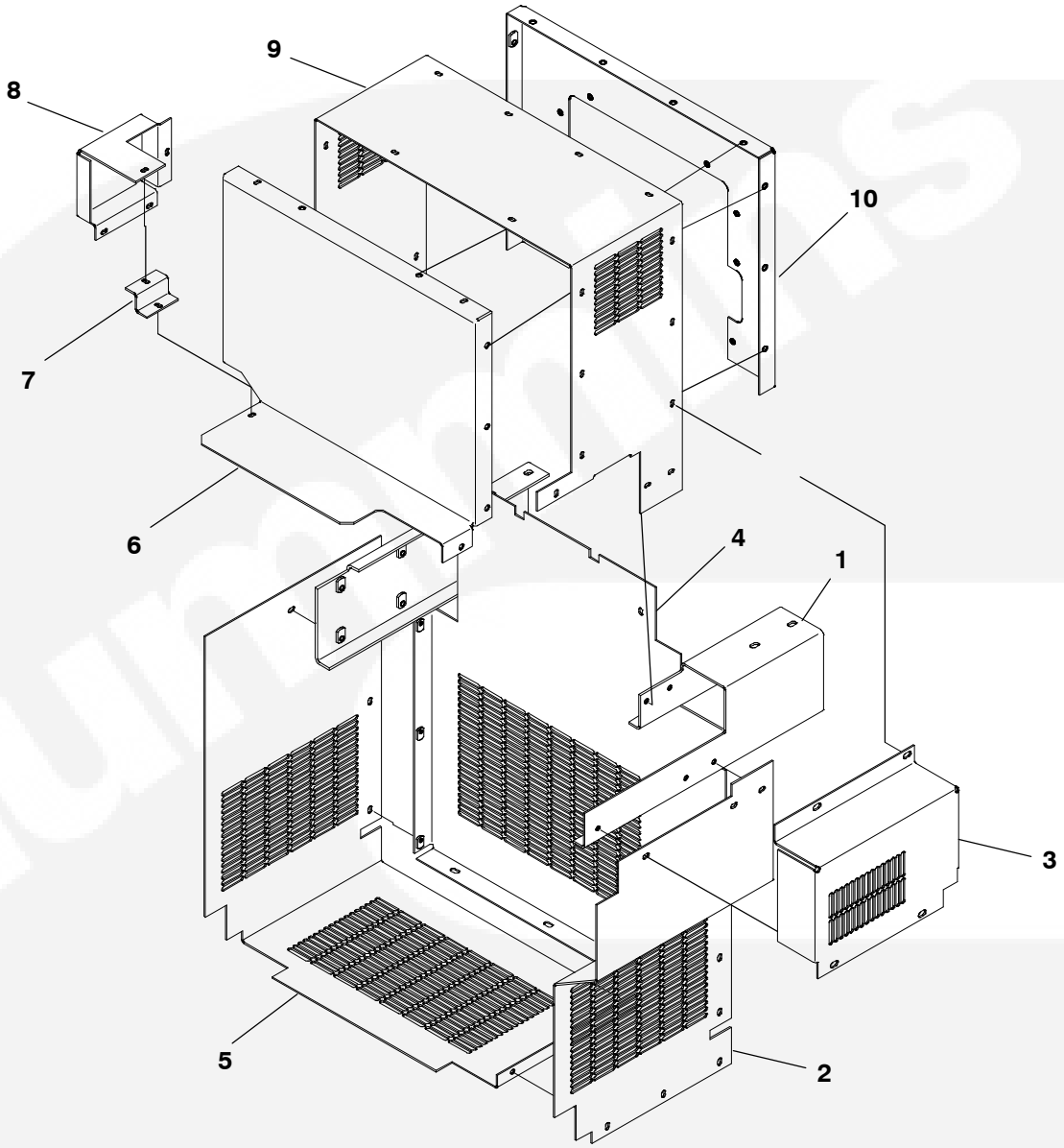
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130–5325	1	Cap, Radiator
2	130–5342	1	Sight Glass 1–1/2" NPT
3	130–5326	8	Gasket, NBC
4	130–5327	16	Strap, Tank
5	503–2452	2	Hose – 25.4 ID
6	503–1872–01	4	Clamp, Hose (25–44)
7	503–2451	2	Hose – 57.2 ID
8	503–1872–04	4	Clamp, Hose (57–80)
9	503–0446	2	Clamp, Hose
10	503–2453	2	Hose – 88.9 ID
11	503–1872–07	4	Clamp, Hose (95–117)
12	503–2450	2	Hose – 38.1 ID
13	503–1872–02	4	Clamp, Hose (32–54)
14	800–2058	304	Screw, Set (M8 x 25)
15	800–2069	104	Bolt (M8 x 80)
16	130–5419	408	Nut (M8)
17	130–5709	4	Core, Radiator
18	130–5346	2	Tube, Vent

LTA Radiator Core
60 Hz
DQKB, DQKC, DQKH



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130–5325	1	Cap, Radiator	8	503–2451	4	Hose
2	130–5342	1	Sight Glass	9	503–1872–04	8	Clamp, Hose
3	130–5326	8	Gasket	10	503–0446	2	Clamp, Hose
4	130–5327	12	Strap, Tank	11	800–2058	288	Screw, Set (M8 x 25)
5	130–5970	4	Strap, Tank	12	800–2069	112	Bolt (M8 x 80)
6	130–5710	4	Core, Radiator	13	130–5419	400	Nut (M8)
7	130–5973	2	Strip, Sealing	14	130–5346	2	Tube, Vent

Belt Guard
60 Hz



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130–5886–02	1	Bracket, RH Side	6	130–5843	1	Guard, Belt – Front
2	130–5889–02	1	Panel, Side – RH	7	130–5849	1	Angle, LH
3	130–5887–02	1	Panel, Extension – RH	8	130–5848	1	Panel, Extension – LH
4	130–5888–02	1	Guard, Belt – Lower Rear	9	130–5842	1	Panel, Top
5	130–5890–02	1	Guard, Belt – Bottom	10	130–5841	1	Panel, Upper Rear

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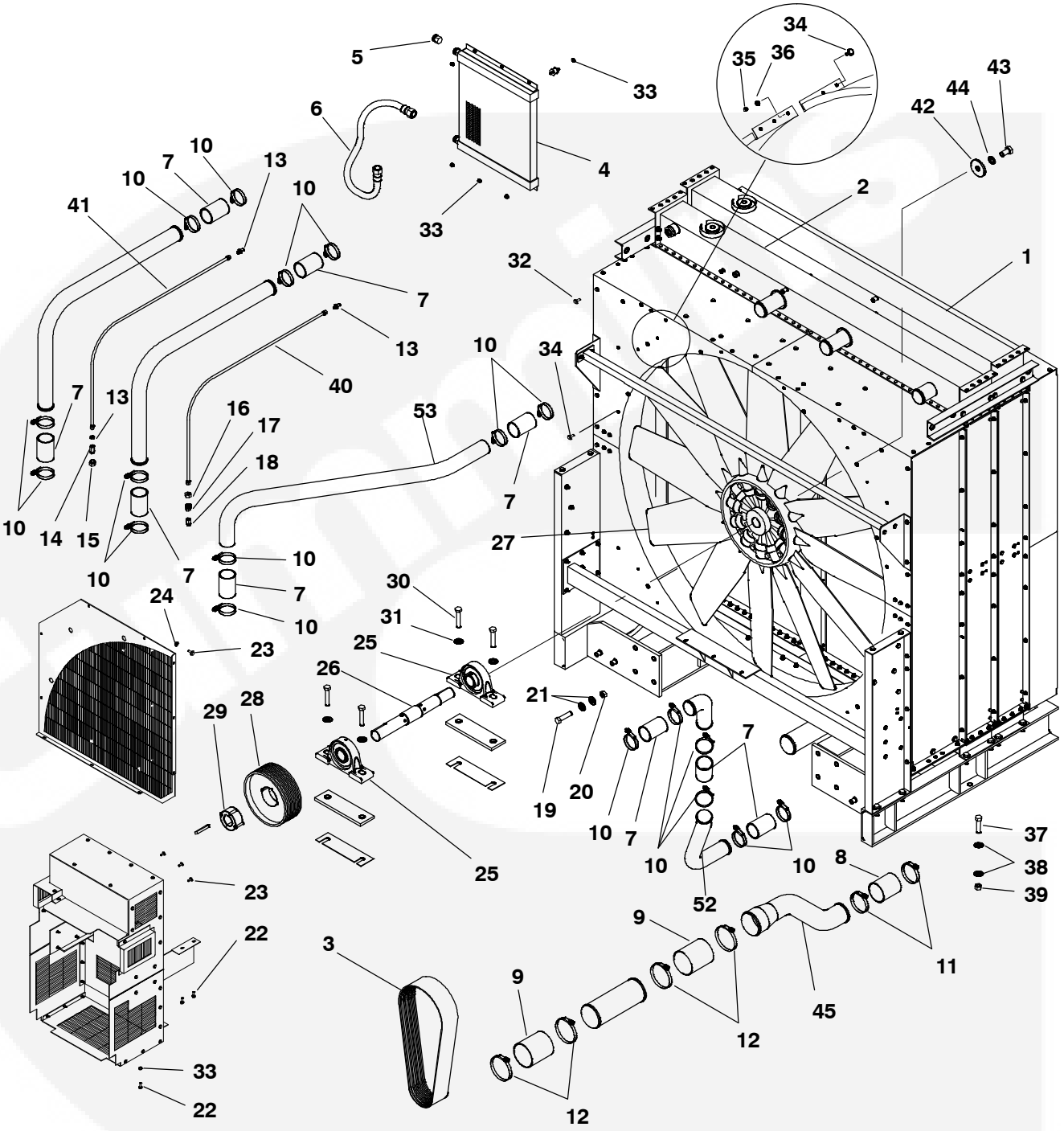
Radiator
DQKB, DQKC – 40°C, 60 Hz

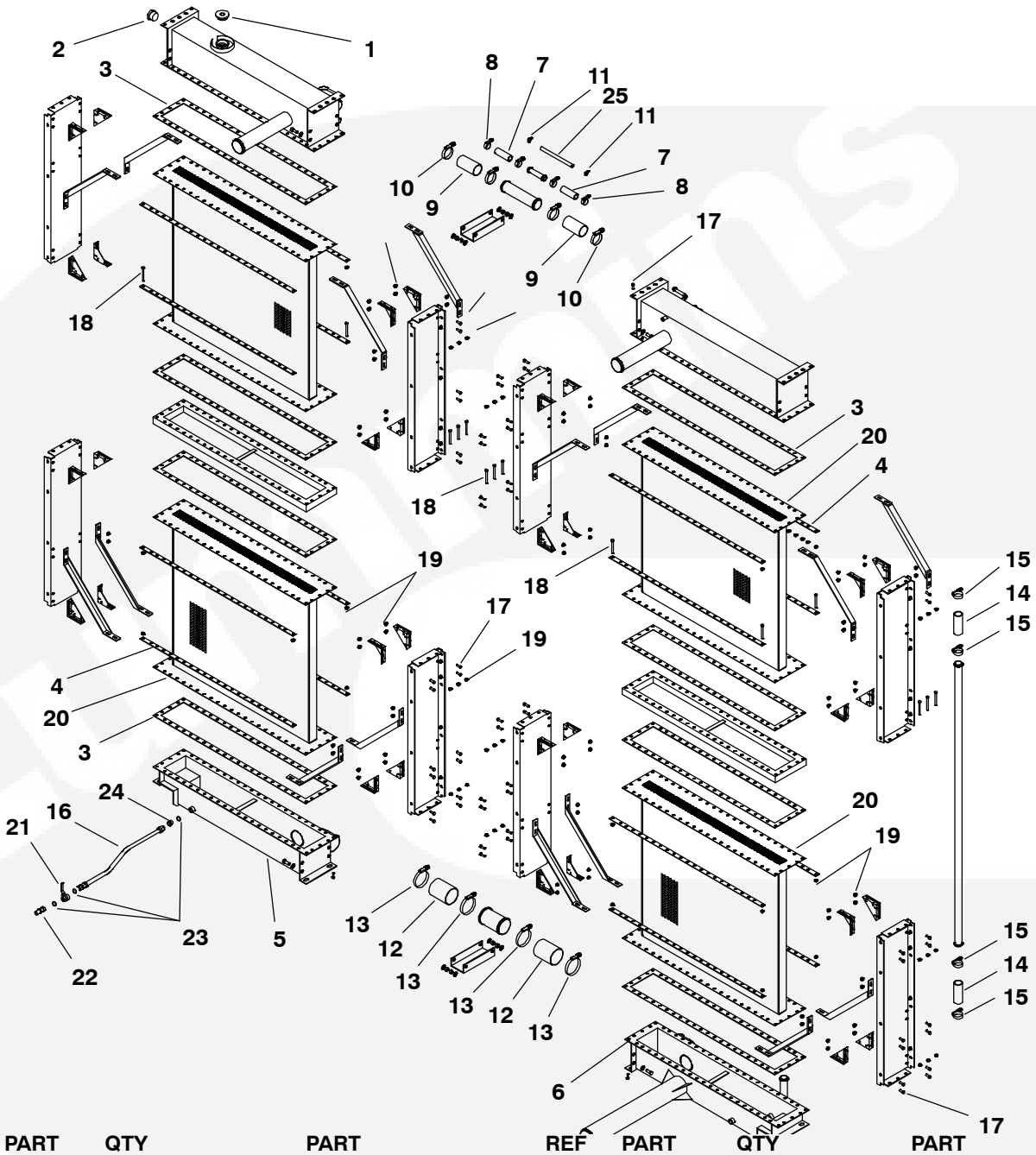


Radiator
DQKB, DQKC, DQKH – 40°C, 60 Hz

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Radiator (Includes Jacketwater, Aftercooler, Cap, Overflow Hose and Sight Gauge Service Parts)
	179–3291	1	50 Hz
	179–3173	1	60 Hz
1		1	Slab, Jacket Water – (See Separate Page For Components)
			Left Side
	130–5964	1	50 Hz
	130–5962	1	60 Hz
			Right Side
	130–5965	1	50 Hz
	130–5963	1	60 Hz
2			Slab, LTA (See Separate Page For Components)
	130–5967	1	50 Hz
	130–5966	1	60 Hz
3	511–0203	1	Belt, Fan
4	130–5339	1	Cooler, Fuel
5	130–5417	1	Adapter, Pipe
6	501–0814	1	Hose, Fuel
7	130–5359	9	Hose 3”
8	130–5354	1	Hose 4”
9	130–5356	2	Hose, JW 5”
10	503–1872–05	18	Clamp, Hose
11	503–1872–07	2	Clamp, Hose
12	503–1872–10	4	Clamp, Hose
13	130–5355	3	Adapter – 1/4 BSPT x 1/4 BSPP M/M
14	130–5414	1	Socket, Hex
15	130–5415	1	Adapter – 11/16” ORFS – 1/4” BSP F/M
16	505–2160	1	Adapter – 1/4” BSP x 3/8” NPT M/F
17	309–0635–02	1	Valve, Check
18	502–1318	1	Adapter – M14 x 1/4” NPT M/F
19	800–6317	8	Screw, Hex Head (M20 x 50 CL 10.9)
20	860–2035	8	Nut, Hex (M20 CL10 Nyloc)
21	526–2304	16	Washer, Flat (M20 CL10)
22	130–5420	19	Bolt (M8 x 25 CL 8.8)
23	130–5418	39	Bolt (M6 x 20 CL 6.6)
24	860–2033	13	Nut, Hex (M6)
25			Bearing, Fan
	130–5329	2	UCP312
	130–5330	2	UCP313
26	130–5553	1	Shaft, Fan
27	130–5554	1	Fan, Impeller
28	130–5336	1	Pulley, Fan
29	130–5557	1	Bushing, Taper Lock
30	800–2213	4	Bolt (M20 x 100)
31	526–2304	8	Washer, Flat (M20)
32	130–5420	78	Bolt (M8 x 25)
33	130–5419	46	Nut, Hex (M8)
34	130–5418	32	Bolt (M6 x 20)
35	870–0506	28	Nut, Nyloc – (M6)
36		28	Washer, Flat (M6)
37	800–2175	12	Bolt (M16 x 50 CL 8.8)
38	860–2034	12	Nut, Nyloc (M16)
39	526–0038	24	Washer, Flat (M16)
40	130–5555	1	Vent Line, Jacket Water
41	130–5556	1	Vent Line, LTA
42	130–5332	1	Washer, Fan – Machined
43	130–5334	1	Screw, Set (M20 x 40)
44	130–5333	1	Washer, Spring (M20)
45	503–2454	1	Hose, Reducing (4” to 5” ID) (Not used on all Specs)
46	A030S318	1	* Belt (L Pitch DQKB, DQKC Spec G, DQKD Spec A)
47	A030S777	1	* Fancowl (DQKB, DQKC Spec G, DQKD Spec A)
48			* Belt, Drive
	A030S320	1	(DQKH 2080mm 81.89 in)
	130–5338	1	DQKH 2042mm 80 25/64)
49	A030S321	1	* Fan Assy (K Pitch) (DQKH Spec A, B)
50	A030S323	1	* Fan Assy (L Pitch) (DQKH Spec A, B)
51	A030S286	1	* StoneGuard (DQKB, DQKC Spec G, DQKD Spec A)
52	130–5721	1	Hose, Radiator
53	A030S269	1	Pipe, LTA (O.D. 76.2)

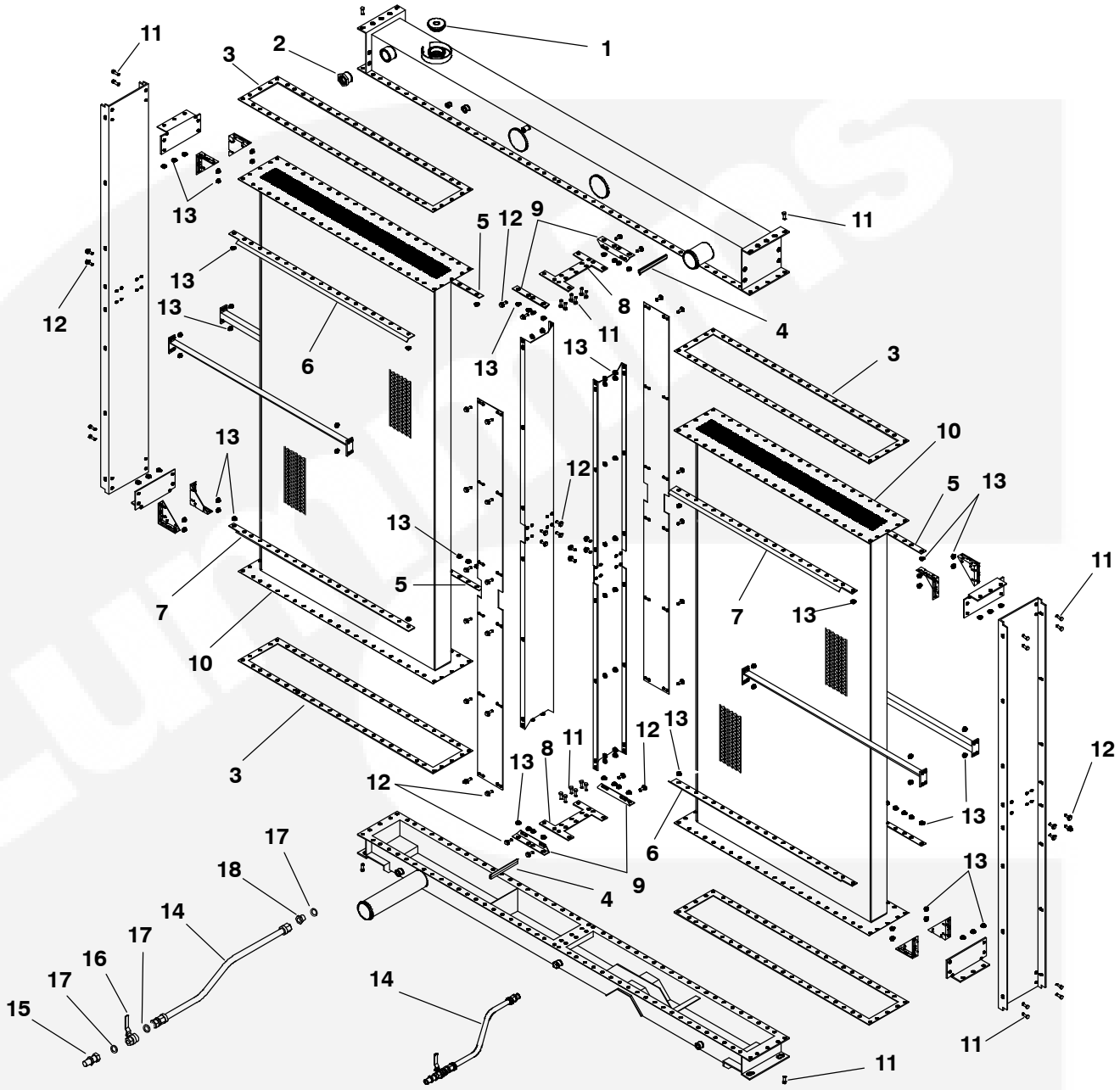
* – Items not shown

Jacket Water
40°C
DQKB, DQKC, DQKD



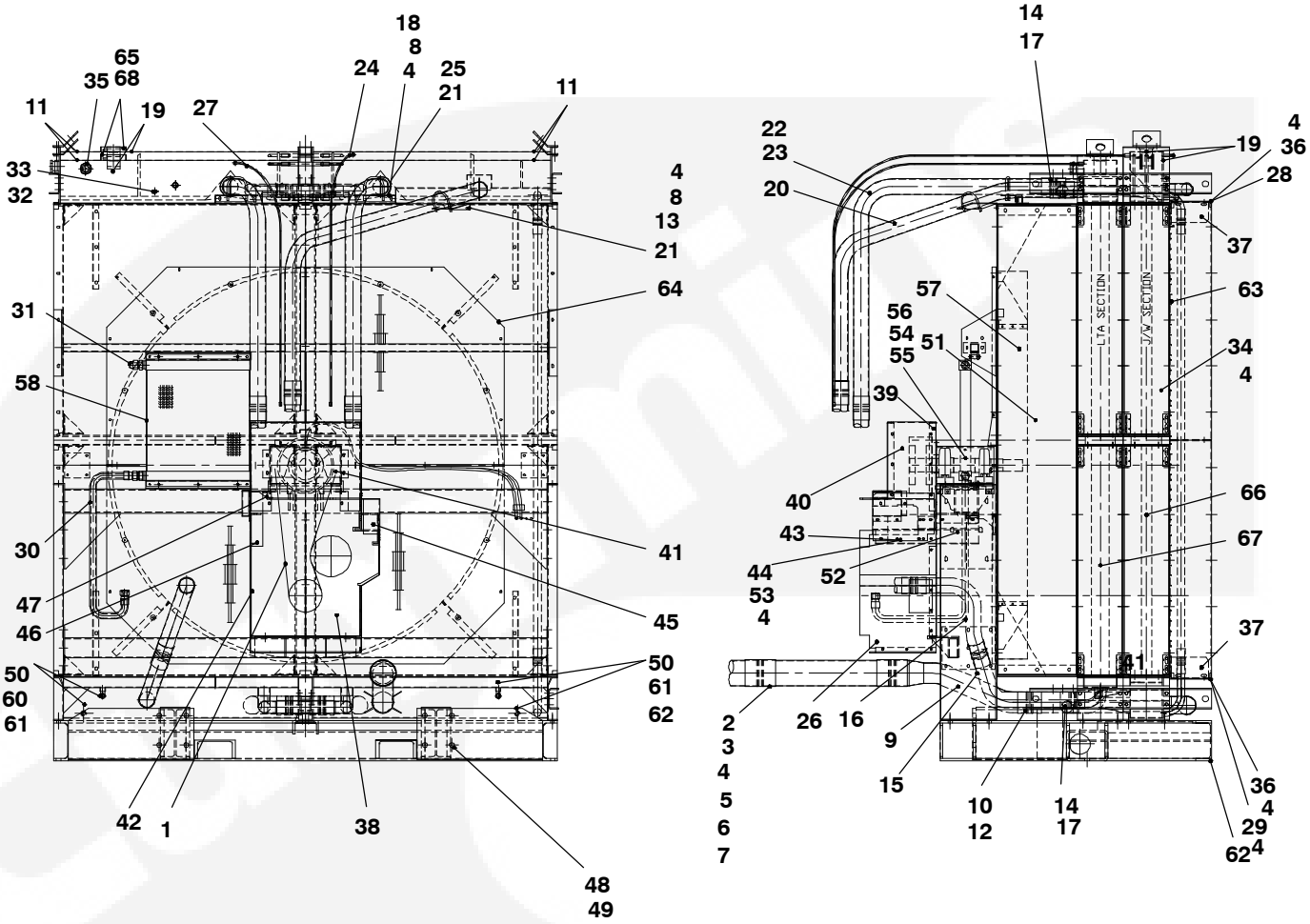
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130–5325	1	Cap, Radiator
2	130–5342	1	Sight Glass 1–1/2” NPT
3	130–5549	8	Gasket, NBC
4	130–5959	16	Strap, Tank
5	130–5960	1	Tank, Bottom LH
6	130–5961	1	Tank, Bottom RH
7	503–2452	2	Hose
8	503–1872–01	4	Clamp, Hose
9	503–2451	2	Hose
10	503–1872–04	4	Clamp, Hose
11	503–0446	2	Clamp, Hose
12	503–2453	2	Hose
13	503–1872–07	4	Clamp, Hose
14	503–2450	2	Hose
15	503–1872–02	4	Clamp, Hose
16	503–2449	1	Hose, Drain (1/2” JW)
17	800–2058	304	Screw, Set (M8 x 25)
18	800–2069	104	Bolt (M8 x 80)
19	130–5419	408	Nut (M8)
20	130–5953	4	Core, Radiator
21	130–5343	1	Valve, Ball 1/2”
22	405–7717	1	Bulkhead
23	509–0389	3	Washer, Sealing
24	505–2159	1	Adapter, Male 1/2”
25	130–5346	2	Tube, Vent

LTA 40°C
DQKB, DQKC, DQKD



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130–5325	1	Cap, Radiator
2	130–5342	1	Sight Glass 1–1/2" NPT
3	130–5549	4	Gasket – NBC
4	130–5973	2	Seal, Radiator (Silicone)
5	130–5550	4	Strap, Tank
6	130–5551	2	Strap, Tank
7	130–5552	2	Strap, Tank
8	130–5971	2	Plate, Support
9	130–5972	4	Bracket
10	130–5969	2	Core, Radiator
11	800–2058	224	Screw, Set (M8 x 25)
12	130–5420	48	Bolt (M8 x 25)
13	130–5419	260	Nut (M8)
14	503–2448	2	Hose, Drain – LTA 1/2"
15	405–7717	2	Bulkhead, Male 1/2" BSPP
16	130–5343	2	Valve, Ball 1/2" BSPP
17	509–0389	6	Washer, Sealing
18	505–2159	2	Adapter, Male

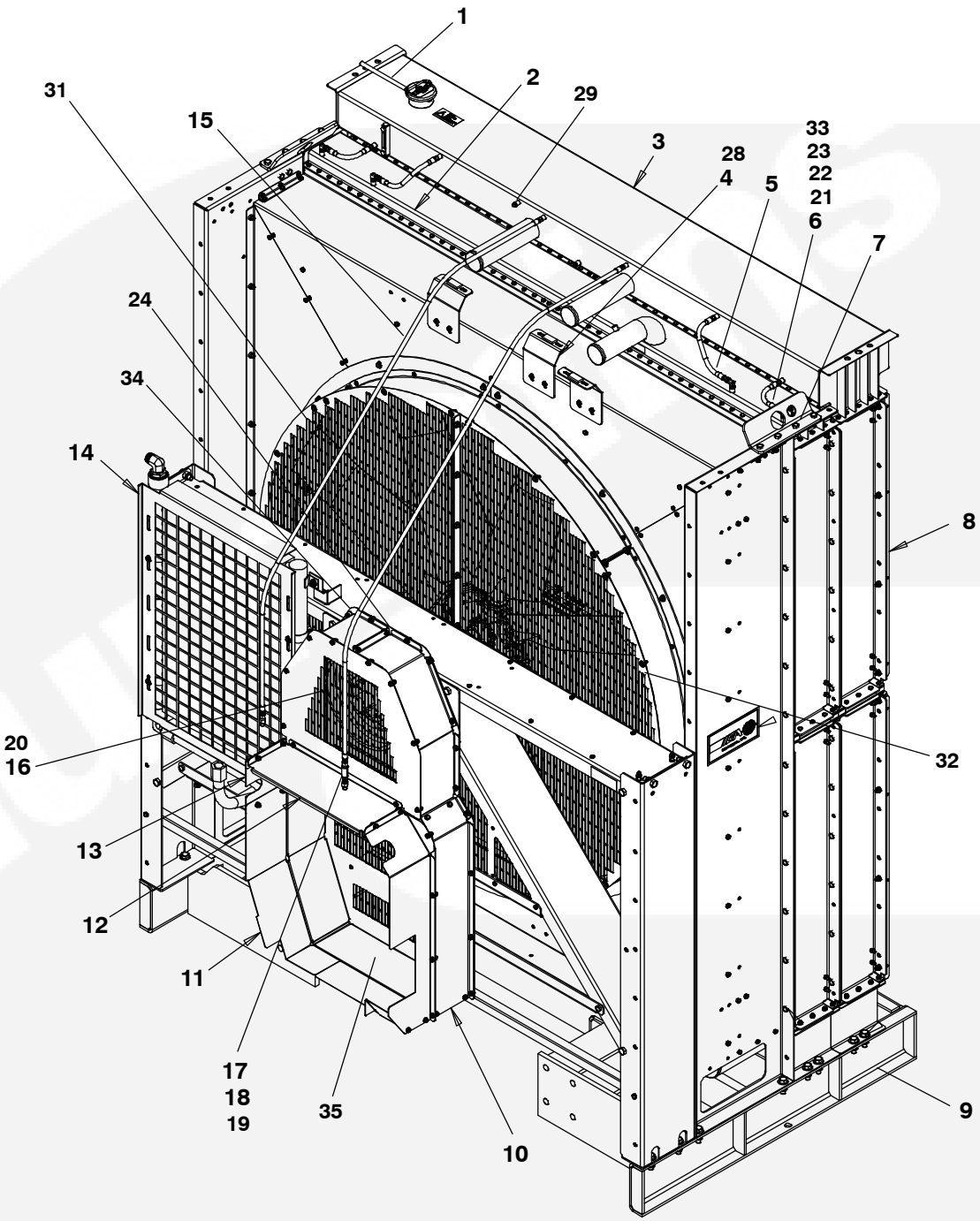
Radiator
DQKD – 50°C



Radiator
DQKD – 50°C

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	511–0224	1	Belt, Drive
2	130–6734	1	Bracket, Tube
3	503–2691	1	Clamp, Hose (5”)
4	821–6003–03	37	Screw, Hex Head (M8 x 25)
5	503–2662	2	Hose, Radiator
6	503–2692	4	Clamp, Hose
7	130–6770	1	Tube, Radiator
8	503–2693	2	Clamp, Hose
9	130–6736	1	Tube, Radiator
10	503–2661	2	Clamp, Hose
11	098–5822	4	Label, Warning – Lift
12	503–2660	1	Hose, Radiator
13	130–6737	1	Bracket, Tube
14	503–2658	9	Hose, Radiator
15	130–6738	1	Tube, Radiator – LTA Bottom Rad
16	130–6739	1	Tube, Radiator – LTA Bottom Eng
17	503–2641	18	Clamp, Hose
18	130–6740	2	Bracket, Tube
19	098–4730	4	Label, Warning – Coolant
20	130–6741	1	Tube, Radiator (LTA Top)
21	403–6151	3	Pad, Mounting
22	130–6742	1	Tube, Radiator (JW Top LH)
23	130–6743	1	Tube, Radiator (JW Top RH)
24	130–5713	1	Tube, Radiator Vent (JW)
25	130–6744	2	Bracket, Tube
26	130–6745	1	Guard, Radiator (Bottom RH Panel)
27	130–5714	1	Tube, Radiator Vent (LTA)
28	130–6746	1	Duct, Radiator (Trans Top RH)
29	130–6747	1	Duct, Radiator (Trans Bottom RH)
30	503–2695	1	Hose, Fuel
31	505–2310	1	Adapter, Pipe
32	309–0713	1	Switch, Level (Low Coolant Level)
33	338–4694	1	Harness, Switch
34	130–6748	4	Duct, Radiator (Trans Frame Side)
35	130–6749	2	Gauge, Sight (Glass)
36	130–6750	2	Duct, Radiator (Trans Top/Bot)
37	130–6751	2	Bracket, Radiator (Duct)
38	130–6752	1	Guard, Radiator (Lower Rear)
39	130–6753	1	Guard, Radiator (Upper Rear)
40	130–6754	1	Guard, Radiator (Top)
41	130–6755	1	Guard, Radiator (Front)
42	130–6756	1	Guard, Radiator (Bottom)
43	130–6757	1	Bracket, Radiator (LH)
44	130–6758	1	Bracket, Radiator (RH)
45	130–6759	1	Panel, Radiator Housing (RH)
46	130–6760	1	Guard, Radiator (Ext)
47	130–6761	1	Panel, Radiator Housing (Infill)
48	800–6317	8	Screw, Hex Head (M20 x 80)
49	860–2035	8	Nut, Hex (M20)
50	098–6775	4	Label (Water Drain)
51	098–5393	2	Label, Warning (Rotating Fan)
52	098–4732	2	Label, Warning (Rotating Parts)
53	130–6762	1	Bracket, Radiator (Guard RH)
54	098–8432	2	Label, Information (Grease)
55	130–6768	1	Hub, Radiator Fan (Drive Assembly)
56	130–6763	1	Fan, Radiator
57	512–0319	1	Pulley
58	130–6769	1	Exchanger, Heat (Fuel Cooler)
59	512–0320	1	Bushing, Coupling (Not Shown)
60	505–2301	4	Adapter, Pipe (1/2”)
61	504–0288	4	Valve, Ball
62	403–6152	1	Mount, Radiator
63	130–6764	4	Guard, Radiator (Stone)
64	130–6765	1	Guard, Fan
65	130–6612	2	Cap, Pressure
66	130–6766	2	Core, Radiator (JW)
67	130–6767	2	Core, Radiator (LTA)
68	130–6623	2	Tube, Radiator Vent

Radiator
DQKH – Begin Spec C

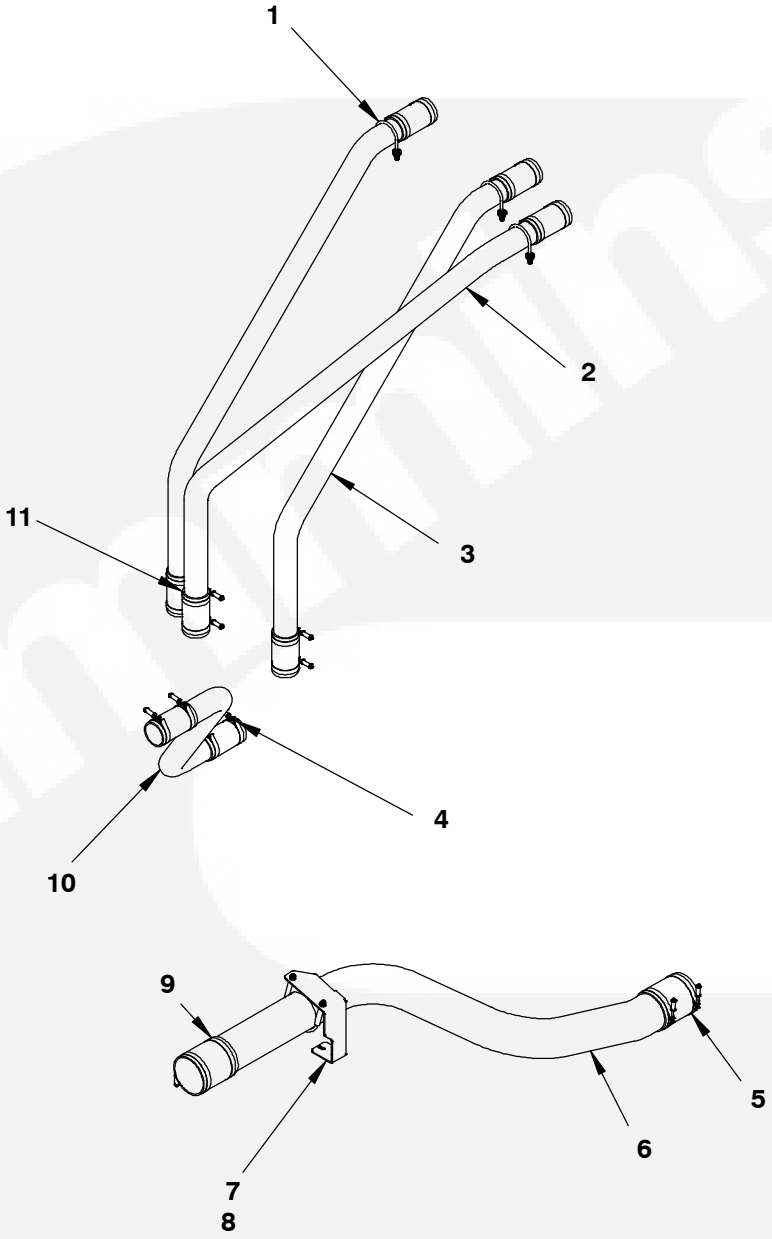


Radiator
DQKH – Begin Spec C

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	A030H789	1	Radiator
1	A029Y824	1	Hose
2	A029X953	1	Slab, Radiator
3	A029X949	1	Slab, Radiator
4	A029Y827	3	Bracket, Support
5	A029Y814	2	Hose, Vent
6	A029Y804	2	Hose, Vent
7	A029Y832	2	Bracket, Lifting
8	A029Y042	1	Guard, Radiator
9	A029Z289	1	Chassis, Radiator
10	A029Z046	1	Guard, Belt
11	A029Z037	1	Guard, Belt
12	A029Z038	1	Guard, Belt
13	A029Z045	1	Guard, Fan
14	A029Z436	1	Cooler, Fuel
15	A029Y817	2	Hose, Vent
16	A029Y848	1	Bushing
17	A029Z539	1	Coupling, Reducer
18	309–0635–02	1	Valve, Check
19	505–2355	2	Adapter, Pipe
20	A029Y838	1	Pulley, Fan
21	A029Y110	2	Tube
22	A029Y112	1	Tube
23	A029Y282	1	Clamp
24	A029Y831	1	Bracket, Mounting
25	A029Y828	2	* Clamp, Hose (bottom)
26	A029Y825	1	* Hose (Bottom)
27	A029Y830	2	* Bracket, Fan Guard (Bottom)
28	A029Z545	3	Crossbar, Arm
29	A029Y032	2	Plug, Pipe
30	A029C928	4	* Clip, Hose
31	A029Y038	2	Guard, Fan
32	A029Y041	2	Guard, Fan
33	A029Y826	4	Hose
34	A029Y875	1	Guard, Belt
35	A029Z036	1	Guard, Belt

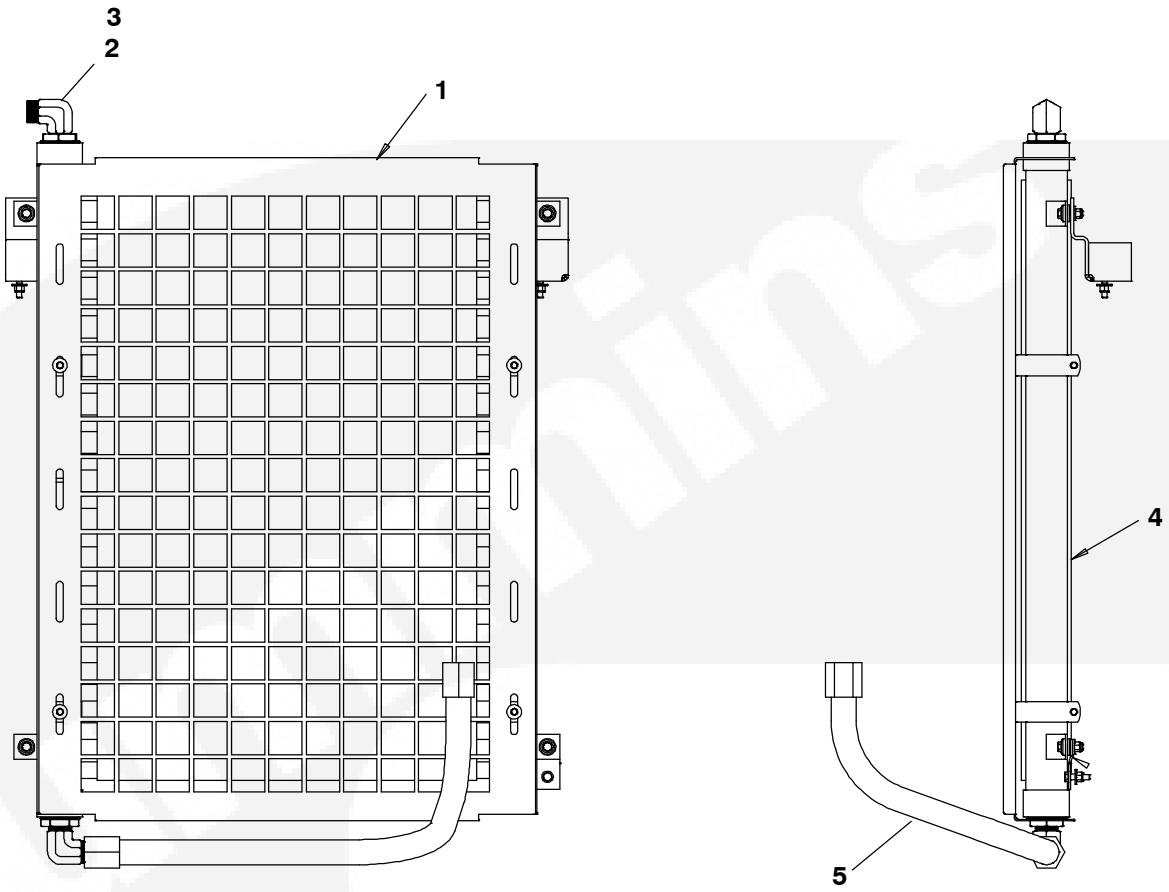
* – Parts Not Shown

Radiator–Packing List
DQKH – Begin Spec C



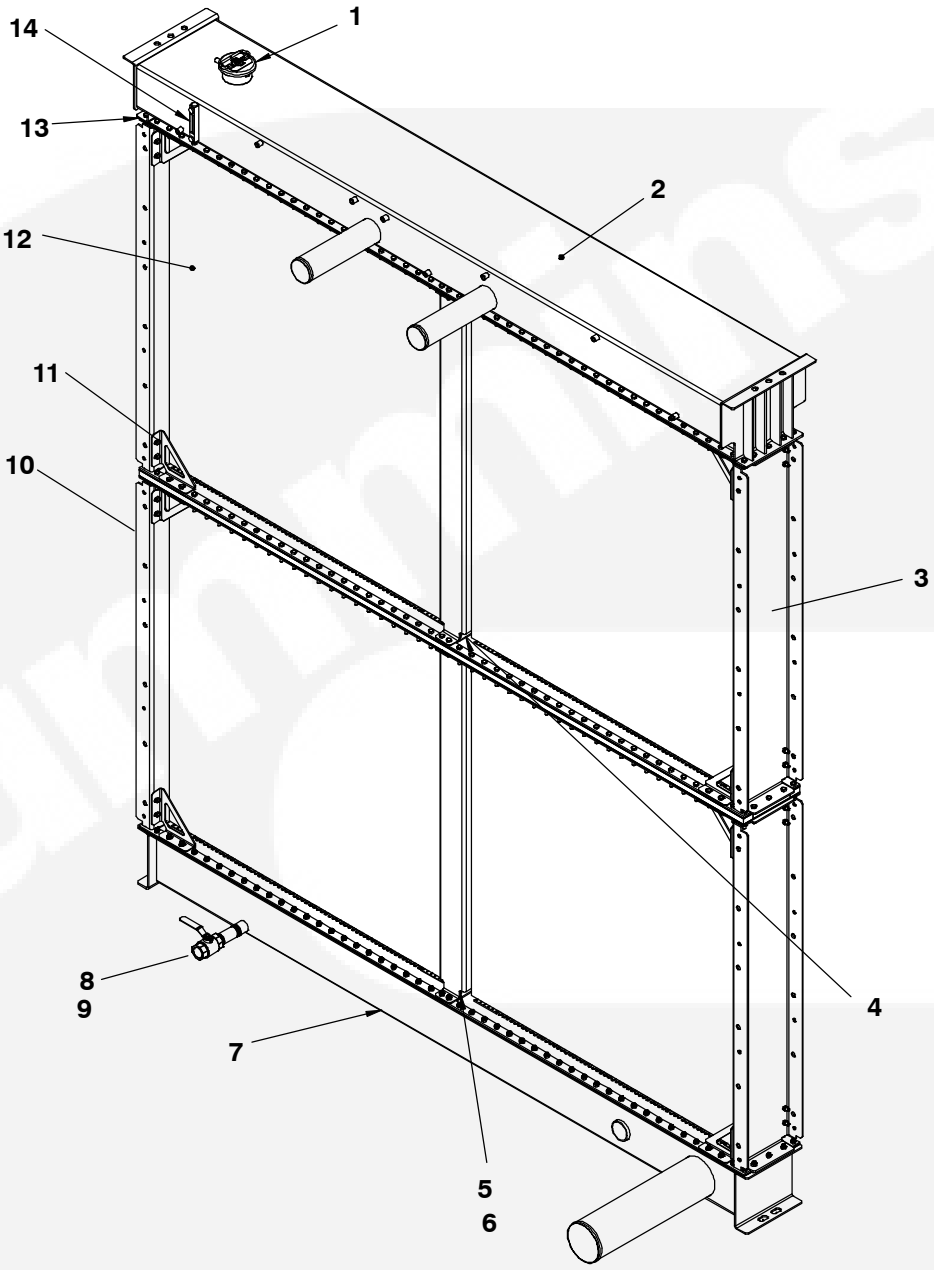
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	A029Z546	1	Installation, Coolant	6	A029Z112	1	Tube, Radiator
1	A029Z098	3	Bolt, U	7	A029Z100	1	Bracket, Mounting
2	A029Z114	1	Tube, Radiator	8	A029Z099	2	Bolt, U
3	A029Z111	2	Tube, Radiator	9	A029Z123	2	Hose
4	A029Z124	16	Clamp, Hose	10	A029Z113	1	Tube, Radiator
5	A029Z125	4	Clamp, Hose	11	A029Z122	8	Hose

Cooler, Fuel
DQKH – Begin Spec C



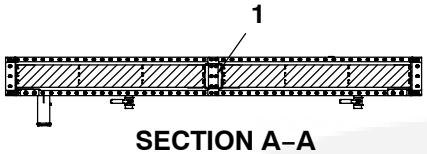
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	A029Z438	1	Guard, Radiator				
2	A029Z442	2	Fitting, Elbow (90 Deg 1” male, 1” NPT)				
3	A029Z441	2	Bushing, Reducer				
4	A029Z439	1	Cooler, Fuel				
5	A029Z518	4	Hose, Fuel				

Radiator, Slab
DQKH – Begin Spec C

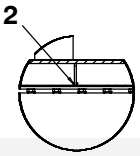


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	A029C595	1	Cap, Radiator (Pressure)
2	A029X829	1	Tank, Radiator
3	A029Z523	8	Seal, Radiator
4	A029X965	4	Washer
5	A029Y007	2	Bracket, Support
6	A029X961	16	Washer
7	A029X831	1	Tank, Radiator
8	A029Z536	1	Fitting, Nipple
9	504–0296	1	Valve, Ball
10	A029X966	4	Frame, Radiator
11	A029X968	16	Support, Frame
12	A029X808	4	Core, Radiator
13	A029X828	8	Gasket, Radiator
14	A029X986	1	Gauge, Sight

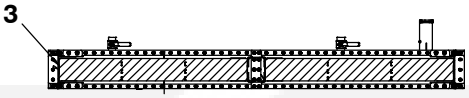
Radiator, Slab
DQKH – Begin Spec C



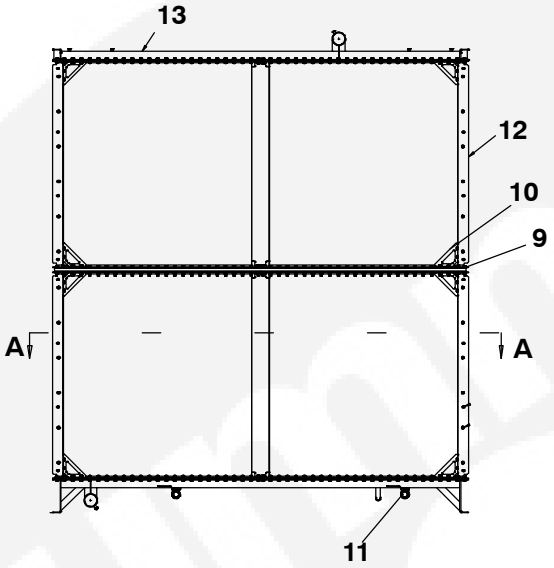
SECTION A–A

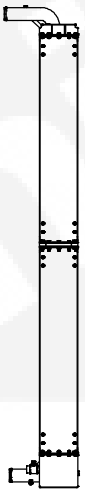


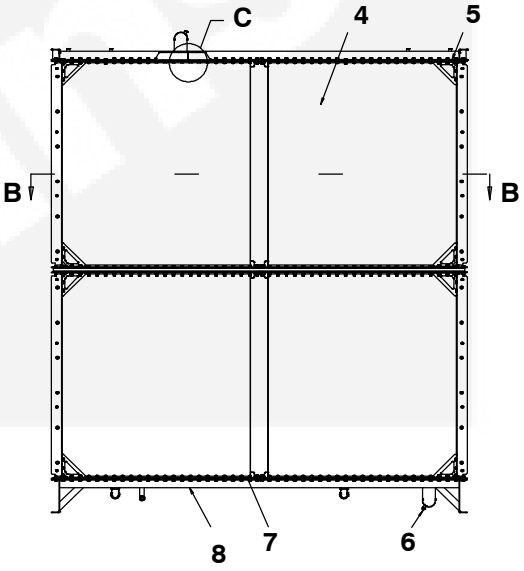
DETAIL C



SECTION B–B

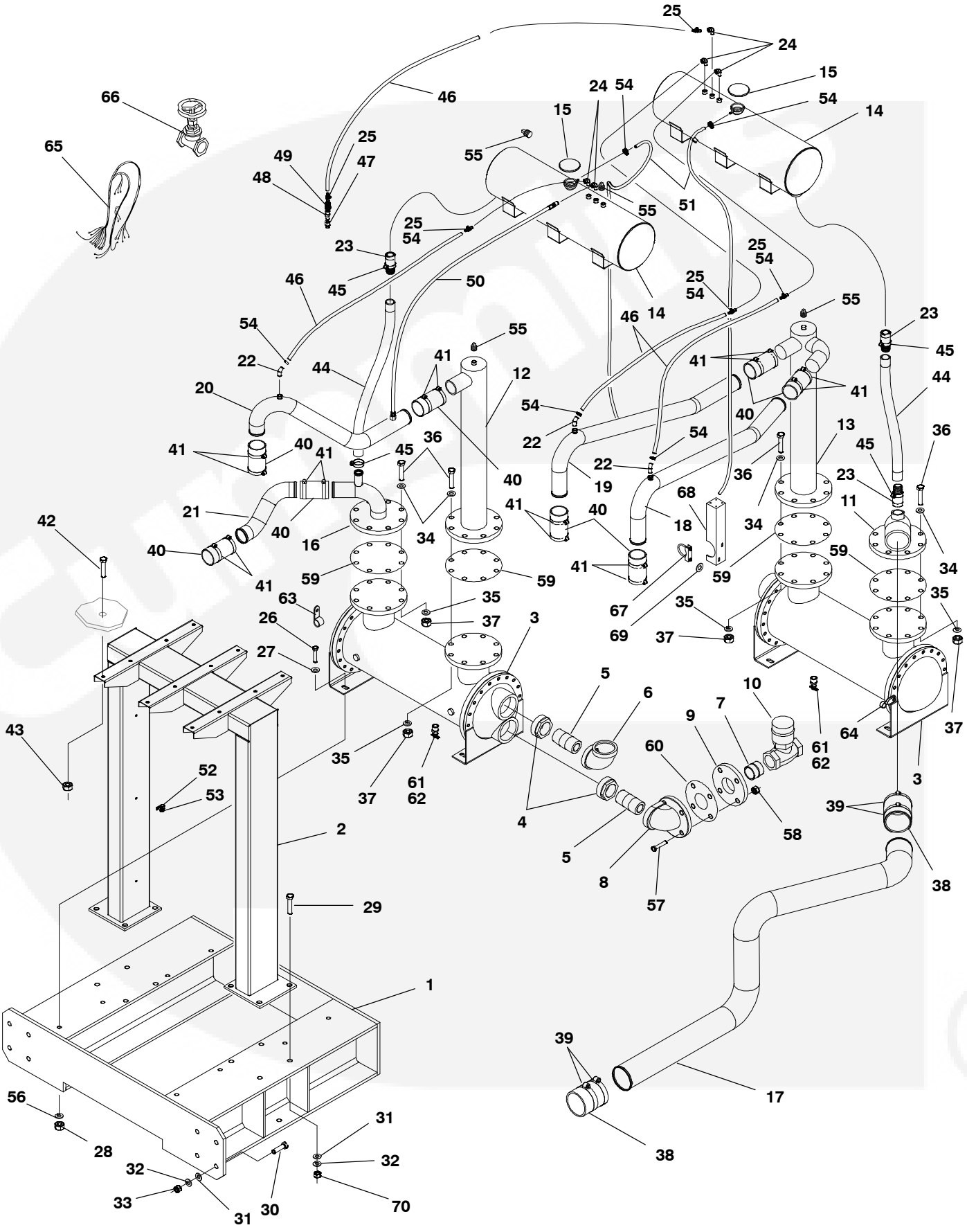






REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	A029X965	2	Washer
2	A029X956	6	Gasket, Radiator
3	A029Z523	8	Seal, Radiator
4	A029Y013	4	Core, Radiator
5	A029X828	8	Gasket, Radiator
6	A029Y032	1	Plug, Pipe
7	A029X961	16	Washer
8	A029X935	1	Tank, Radiator
9	A029X939	1	Tank, Radiator
10	A029X968	16	Support, Frame
11	504–0296	2	Valve, Ball
12	A029X966	4	Frame, Radiator
13	A029X921	1	Tank, Radiator

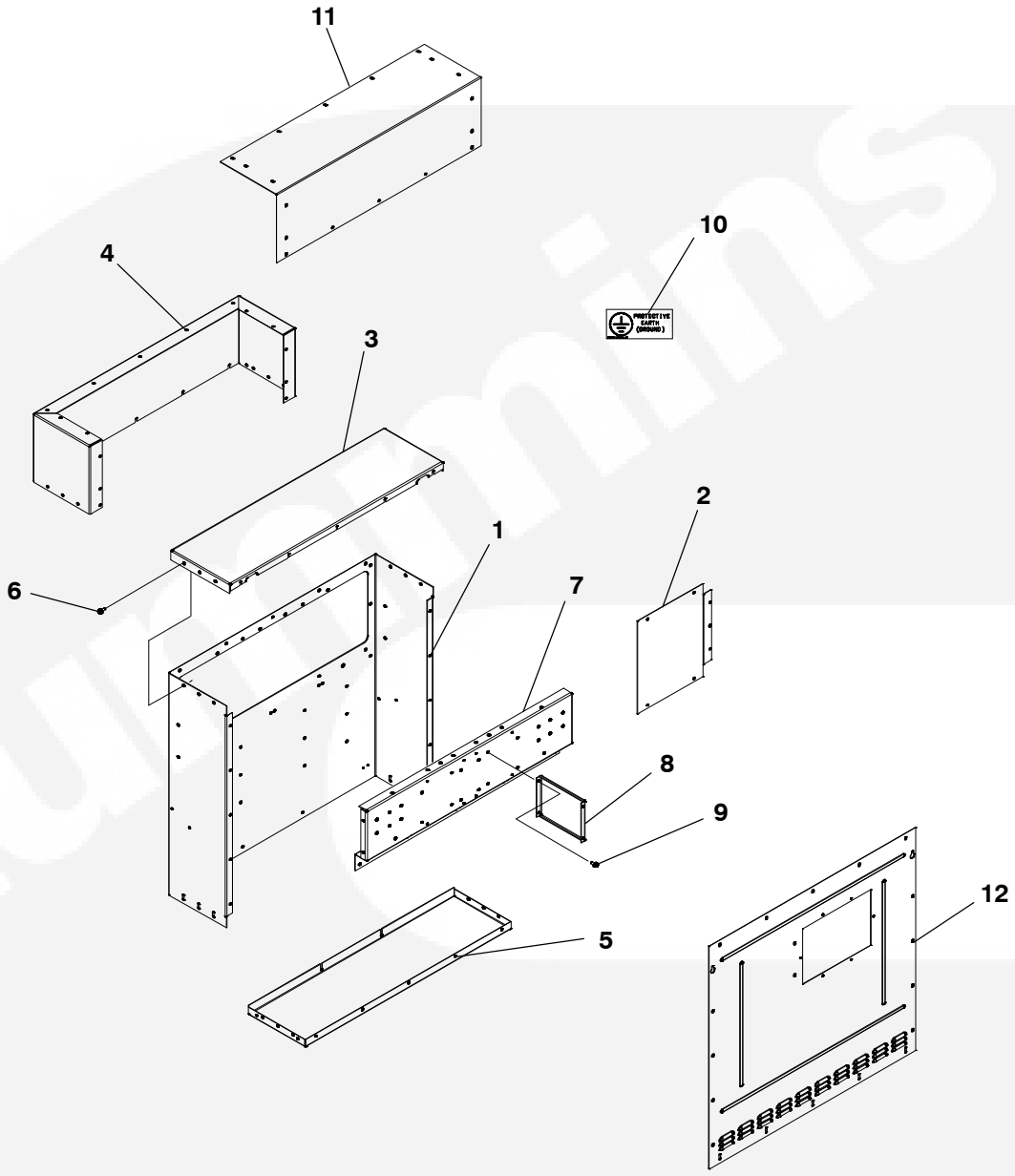
Heat Exchanger
DQKB, DQKC, DQKD



Heat Exchanger
DQKB, DQKC, DQKD

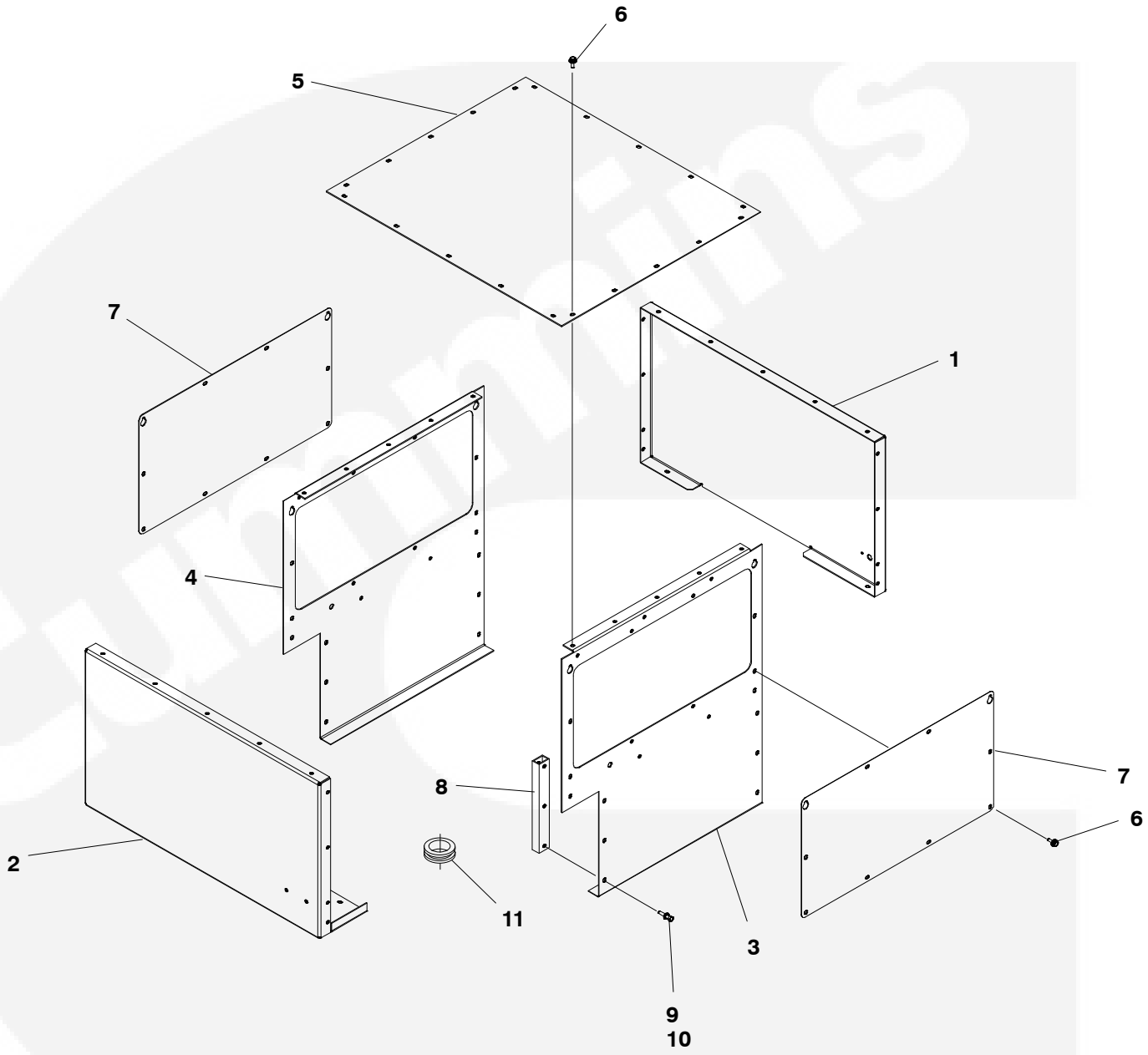
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	403–4473–02	1	Skid, Heat Exchanger
2	403–4479–02	1	Frame, Expansion Tank
3	130–3772	2	Exchanger, Heat
4	505–1441	4	Bushing, Reducer (4 x 2-1/2)
5	505–0103	4	Nipple, Pipe (2-1/2 x 2.50)
6	505–0044	2	Elbow, Pipe
7	505–0114	2	Nipple, Pipe (2-1/2 x 3.00)
8	505–1442	2	Elbow – 90°
9	155–0899	2	Flange, Companion (2-1/2)
10	307–2711	2	Valve, Solenoid (24V)
11	130–3773	1	Elbow, Heat Exchanger Outlet
12	130–5265–02	1	Manifold, Heat Exchanger
13	130–3774	1	Manifold, Heat Exchanger Inlet
14	130–3766	2	Tank, Expansion
15	130–0449	2	Cap, Radiator
16	130–5266–02	1	Elbow, Heat Exchanger Outlet
17	130–5259–02	1	Tube, Water – Lower JW
18	130–5260–02	1	Tube, Water – Upper JW
19	130–5261–02	1	Tube, Water – Upper JW
20	130–5262–02	1	Tube, Water – Upper LTA
21	130–5263–02	1	Tube, Water – Lower LTA
22	502–1146	3	Elbow – 45° (3/8 x 3/8)
23	505–1429	3	Nipple, Combination
24	505–0011	5	Elbow, Street – 90° (1/4)
25	502–1162	5	Fitting, Barbed Hose
26	720–1123	8	Screw, Cap – Hex Head (M16 x 2 x 60)
27	526–0259–02	8	Washer, Flat (M16)
28	862–0026–58	8	Nut, Hex (M16 x 2)
29	720–1146	8	Screw, Cap – Hex Head (M20 x 2.5 x 60)
30	800–2208	8	Screw, Cap – Hex Head (M20 x 2.5 x 70)
31	526–0399–76	32	Washer, Flat (M20)
32	850–2020	16	Washer, Lock – Split (M20)
33	860–2013	8	Nut, Hex (M20 x 2.5)
34	526–0027	64	Washer, Flat (3/4)
35	850–0079	32	Washer, Lock (3/4)
36	800–0160	32	Screw, Cap – Hex Head (3/4–10 x 3.25)
37	862–0008	32	Nut, Hex (3/4–10)
38	503–1726	2	Hose, Radiator (5.00 x 6.00)
39	503–1872–09	4	Clamp, Hose
40	503–1728	8	Hose, Radiator (3.00 x 5.50)
41	503–1872–05	16	Clamp, Hose
42	821–6003–03	12	Screw, Hex Head (M8 x 1.25 x 25)
43	870–2065–03	12	Nut, Hex – Flange (M8 x 1.25)
44	503–1729	–	Hose, Radiator – Bulk (Order by the Foot – 5 Feet Required)
45	503–1872–02	4	Clamp, Hose
46	503–1620	–	Hose, Fuel – Bulk (Order by the Foot – 20 Feet Required)
47	502–1318	1	Adapter, Pipe (M14 x 1/4)
48	309–0635–02	1	Valve, Check
49	505–0153	1	Coupling, Reducer (3/8 x 1/4)
50	503–2129–06	1	Line, Radiator Vent
51	503–1418	–	Hose, Fuel – Bulk (Order by the Foot – 12 Feet Required)
52	518–0548–08	6	Clamp, Hose
53	821–6003–02	6	Screw, Hex Head (M8 x 1.25 x 20)
54	503–0685	10	Clamp, Hose
55	505–0054	5	Plug, Square Head (1/4)
56	850–2016	8	Washer, Lock – Split (M16)
57	800–0310–81	8	Screw, Cap – Hex Head (.625–11 x 2.25)
58	862–0007	8	Nut, Hex (.63–11)
59	155–2503	4	Gasket, Flange
60	155–2514	2	Gasket, Flange
61	505–0019	2	Bushing, Reducer (1/2 x 3/8)
62	504–0028	2	Cock, Drain (3/8)
63	332–2921	2	Clamp, J
64	518–0561	2	Clamp
65	338–4417	1	Harness, Extension – Heat Exchanger
66	504–0258	2	Valve, Globe (2.5”)
67	155–3289	1	Clamp, Muffler (3”)
68	130–5305–02	1	Bracket, Vent Line
69	526–0026	2	Washer, Flat (3/8)
70	860–2023–01	8	Nut, Hex (M20 x 2.5)

Entrance Box



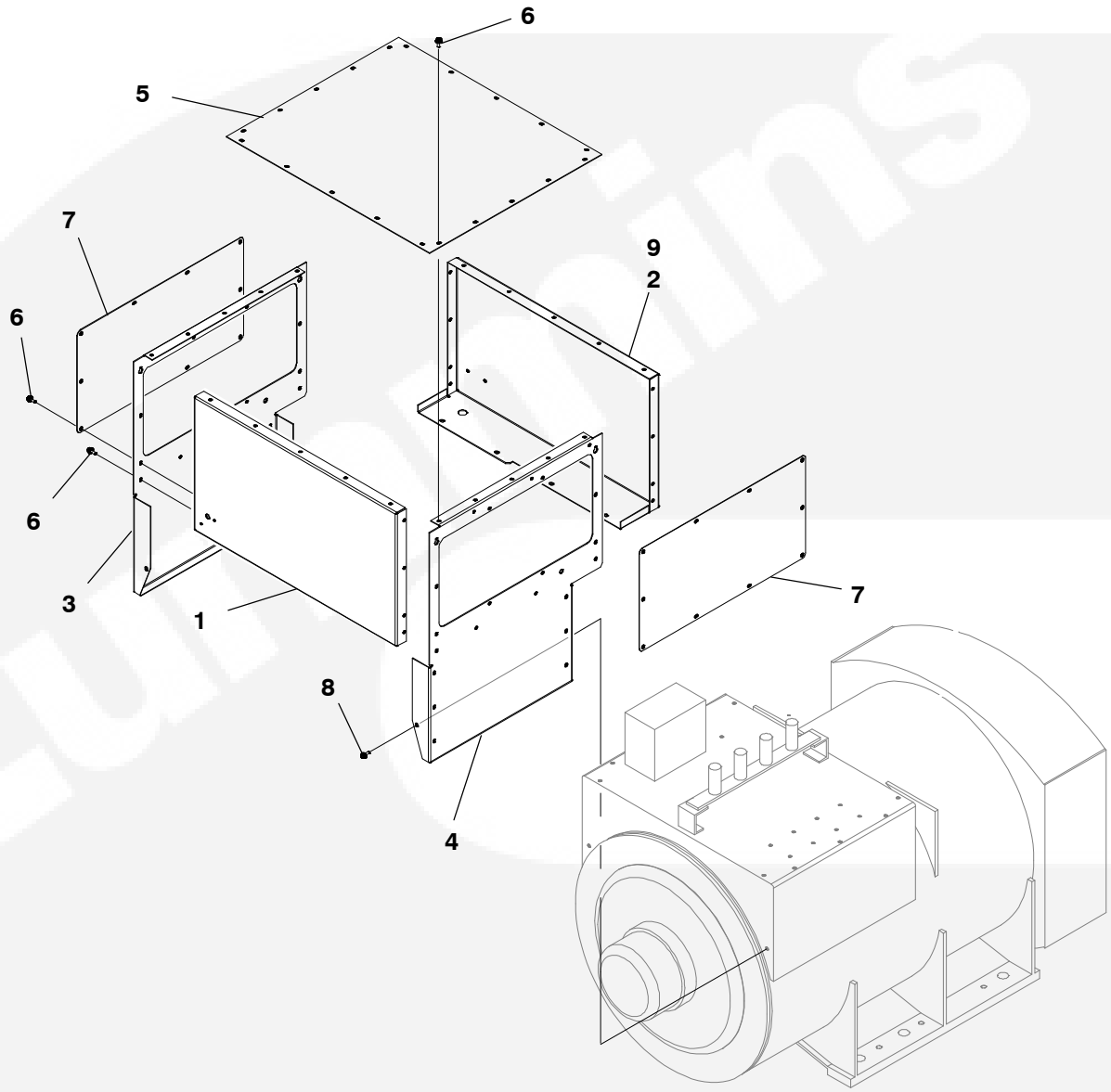
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319–5161–02	1	Box, Circuit Breaker
2	319–5084–02	1	Panel, Terminal
3	319–5171–02	1	Cover, Circuit Breaker – Bottom Entrance
4	319–5216–02	1	Cover, Circuit Breaker – Top and Bottom Entrance
5	319–5088–02	1	Cover, Circuit Breaker
6	821–6003–02	69	Screw, Hex (M8 x 1.25 x 20)
7	319–5179–02	1	Bracket, Circuit Breaker
8	319–5102–04	1	Stiffener, Cover
9	821–6002–03	8	Screw, Hex (M6 x 1 x 16)
10	098–6635	1	Label, Ground
11	319–5163–02	1	Cover, Circuit Breaker – Adapter Plug – Top and Bottom Entrance
12	319–5176–06	1	Cover, Circuit Breaker – Front

Terminal Box
P7 Alternators



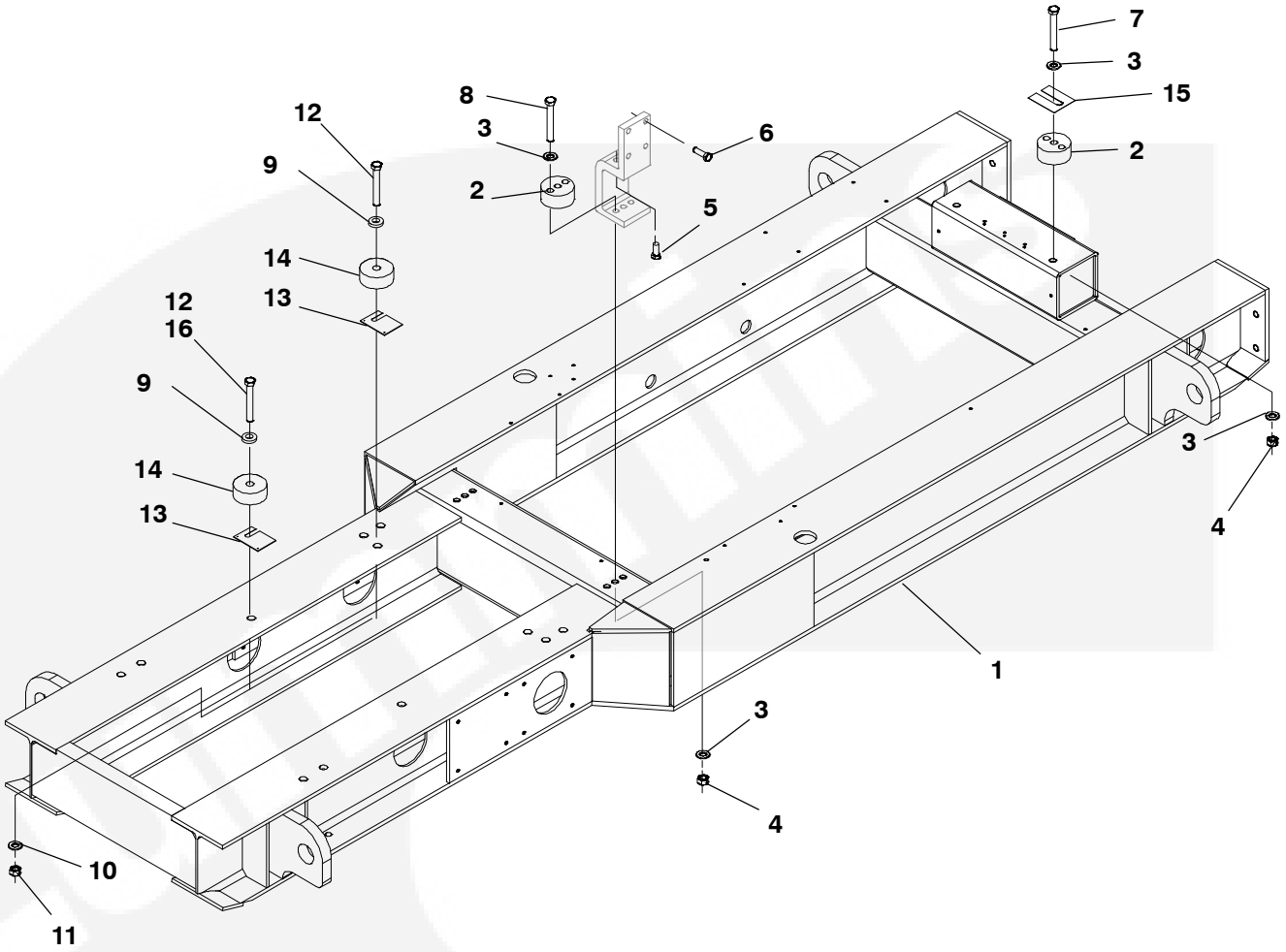
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319–5080–02	1	Panel, Terminal – Front
2	319–5081–02	1	Panel, Terminal – Back
3	319–5082–02	1	Panel, Terminal – Left
4	319–5085–02	1	Panel, Terminal – Right
5	319–5083–02	1	Panel, Terminal – Top
6	821–6003–02	52	Screw, Hex Head (M8 x 1.25 x 20)
7	319–5097–02	2	Panel, Terminal
8	319–5488–02	4	Box, Terminal – Spacer
9	800–2061	12	Screw, Hex Head (M8 x 40)
10	526–0399–60	12	Washer, Flat (M8)
11	508–1090	1	Grommet

Terminal Box
Medium Voltage Frame 7 Alternators
DQKB, DQKC



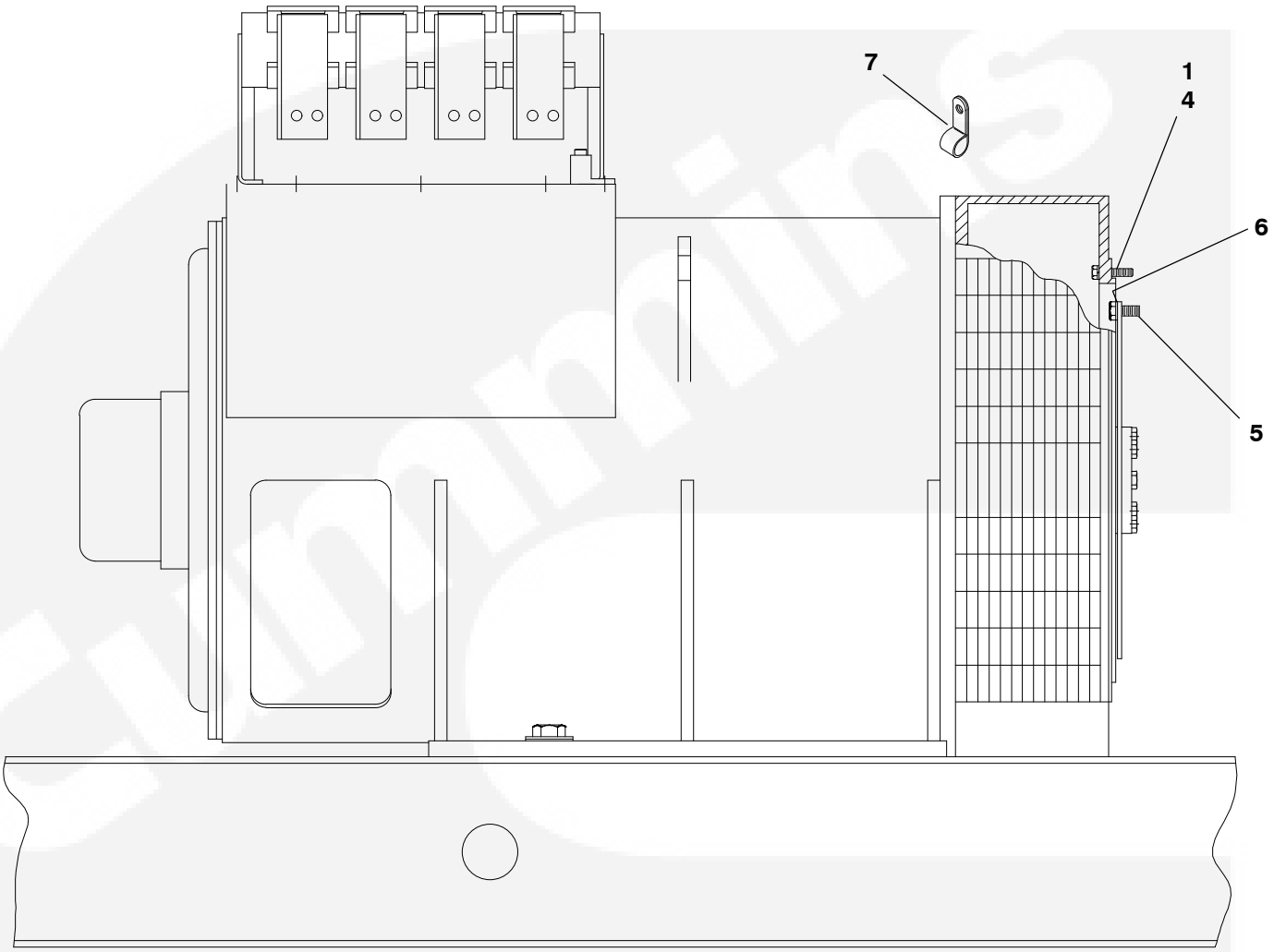
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319–5427–02	1	Panel, Terminal
2	319–5428–02	1	Panel, Terminal
3	319–5429–02	1	Panel, Terminal
4	319–5430–02	1	Panel, Terminal
5	319–5083–02	1	Panel, Terminal
6	821–6003–02	44	Screw, Hex Head (M8 x 1.25 x 20)
7	319–5097–02	2	Panel, Terminal
8	821–6004–01	4	Screw, Hex Head (M10 x 1.5 x 20)
9	501–0001	1	Grommet

Skid



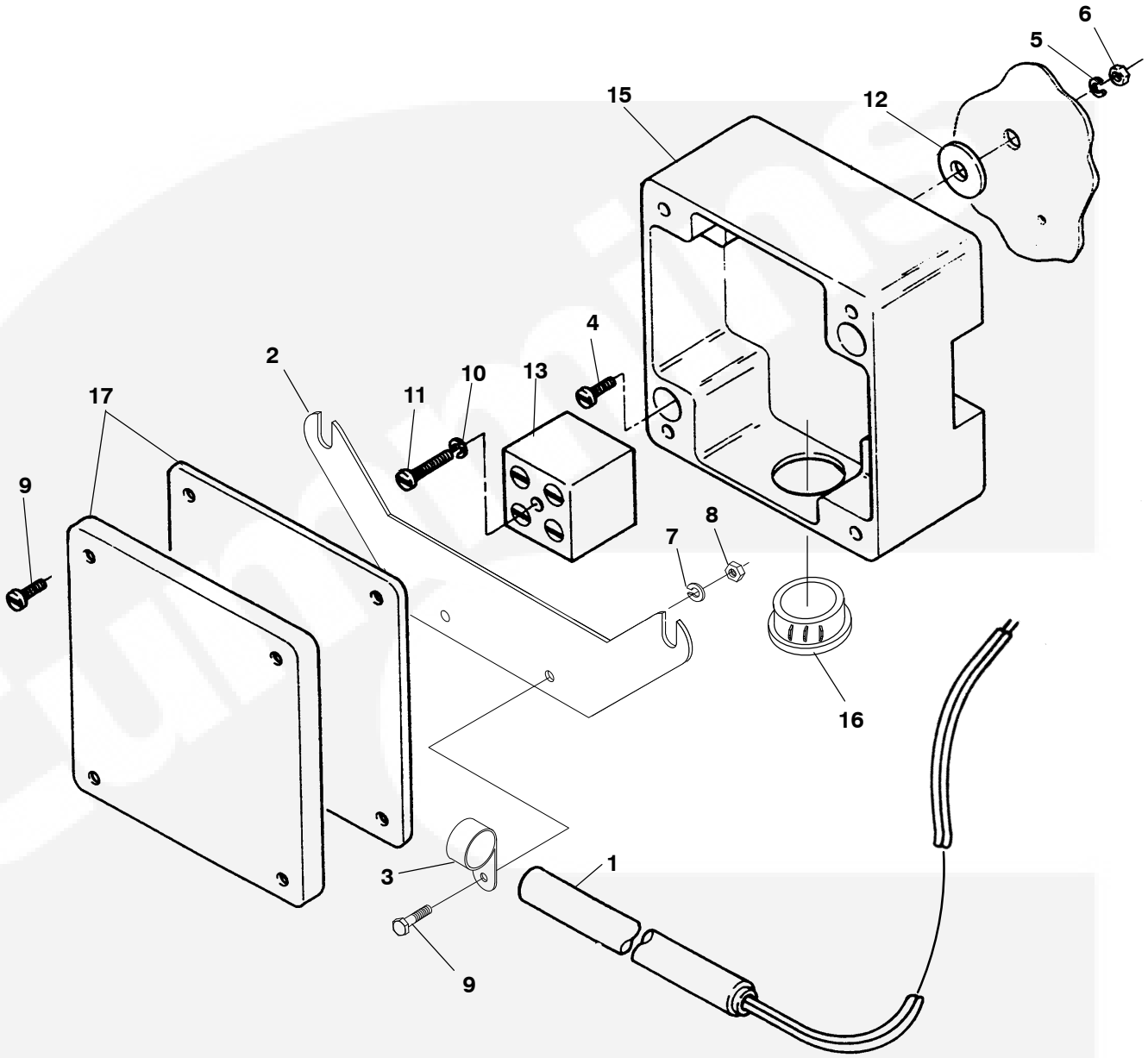
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1		1	Skid
	403–5180–02	1	(Spec A–C)
	A030A473	1	(Begin Spec D)
2	403–4332	4	Spacer, Engine Mounting (1” ID x 5” OD x 2–9/32” Thk)
3	526–0399–76	12	Washer, Flat (M20)
4	860–2023–01	6	Nut, Hex (M20)
5	800–2208	4	Screw, Cap – Hex Head (M20 x 70mm)
6	800–2206	8	Screw, Cap – Hex Head (M20 x 60mm)
7	800–3047–02	2	Screw, Cap – Hex Head (M20 x 160mm)
8	800–3047–03	4	Screw, Cap – Hex Head (M20 x 2.5 x 130mm)
9	526–0460–02	4	Washer, Generator Mounting
10	526–0399–78	4	Washer, Flat (M24)
11	860–2024–01	4	Nut, Hex (M24)
12			Screw, Cap – Hex Head
	800–3048–02	2	P7 Alternators (M24 x 3 x 160mm)
	800–3048–04	4	P80 Alternators (M24 x 3 x 120mm)
13			Shim, Generator Mounting (Quantity Used As Required)
	232–3710–01	1	.0239” Thk
	232–3710–02	1	.0747” Thk
	232–3710–03	1	.1345” Thk
	232–3710–07	1	.0149” Thk
	232–3710–08	1	.0149” Thk
14	232–4061	4	Spacer, Generator Mounting (1–1/16” ID x 5” OD x 2–1/8” Thk) – P7 Alternators
15	232–4139–02	A/R	Shim, Generator Mounting – P80 Alternators
16	800–3048–01		Screw, Cap – Hex Head (M24 x 3 x 170) – P7

Generator Installation



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	249–0798	1	Kit Varistor
1	850–2012	16	Washer, Lock – Split (M12)
2			Screw, Cap – Hex Head (M12)
3	800–2543–07	16	P7
4	800–2543–08	16	P80
5	526–0416	12	Washer, Flat (5/8)
6	805–2022	12	Bolt, Place
7	332–3196	1	Clamp, “J”

Generator Heater



Generator Heater

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Cartridge, Heater (300 Watt)
	333–0438–05	1	120 Volt
	333–0438–06	1	240 Volt
2	232–3849	1	Bracket, Mounting – Heater
3	332–3024–14	2	Clamp, Loop
4	822–3075	2	Screw, Machine – Slotted Pan Head (M4 x 16mm)
5	856–0021	2	Washer – W/EIT (M4)
6	860–2005	2	Nut, Hex (M4)
7	850–2005	2	Washer, Lock – Spring (M5)
8	860–2006	2	Nut, Hex (M5)
9	800–2008	2	Screw, Cap – Hex Head (M5 x 16mm)
10	850–2003	1	Washer, Lock – Spring (M3)
11	822–3047	1	Screw, Machine – Pan Head (M3 x 20mm)
12	508–0228	1	Grommet
13	332–3023	1	Block, Terminal
15	330–0142	1	Box, Terminal
16	517–0021	1	Plug, Dot Button
17	330–0141–01	1	Box Assy
		1	Gasket, Cover
		1	Cover, Box

* – Available for failed units, models DQKB, DQKC, DQKD and DQKH. Not required for functioning units.

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.

Note: Diode/Varister Kit (With 2 Varisters) − 0249−0798
Newage Part Number − RSK6001

Cummins Power Generation Identification Number	Generator Model Number or Frame/Core
200−3095−01	LVSI804R1
200−3095−02	LVSI804S1
200−3095−04	LVSI804R1
200−3095−05	LVSI804S1
200−3095−06	LVSI804T1
200−3095−07	LVSI804R1
200−3095−08	LVSI804S1
200−3095−09	LVSI804T1
200−3095−16	LVSI804R1
200−3095−17	LVSI804S1
200−3095−19	LVSI804R1
200−3095−20	LVSI804S1
200−3095−21	LVSI804T1
200−3095−22	LVSI804R1
200−3095−23	LVSI804S1
200−3095−24	LVSI804T1
200−3117−04	MVSI804R1
200−3117−05	MVSI804S1
200−3117−06	MVSI804T1
200−3117−22	HVSI804R1
200−3117−23	HVSI804S1
200−3117−24	HVSI804T1
200−3117−31	HVSI804R1
200−3117−32	HVSI804S1
200−3117−33	HVSI804T1
200−3117−34	HVSI804R1
Continued...	

Generator

Cummins Power Generation Identification Number	Generator Model Number or Frame/Core
Continued...	
200–3117–35	HVSI804S1
200–3117–37	HVSI804R1
200–3117–38	HVSI804S1
200–3117–39	HVSI804T1
200–3128–03	P7D
200–3128–04	P7E
200–3128–05	P7F
200–3128–06	P7G
200–3128–09	P7D
200–3128–10	P7E
200–3128–11	P7F
200–3128–12	P7G
200–3128–21	P7D
200–3128–22	P7E
200–3128–23	P7F
200–3128–24	P7G
200–3128–27	P7D
200–3128–28	P7E
200–3128–29	P7F
200–3128–30	P7G
200–3132–06	MV734WG
200–3132–08	MV734WH
200–3133–03	P7D
200–3133–04	P7E
200–3133–05	P7F
200–3133–06	P7G
200–3133–09	P7D
200–3133–10	P7E
Continued...	

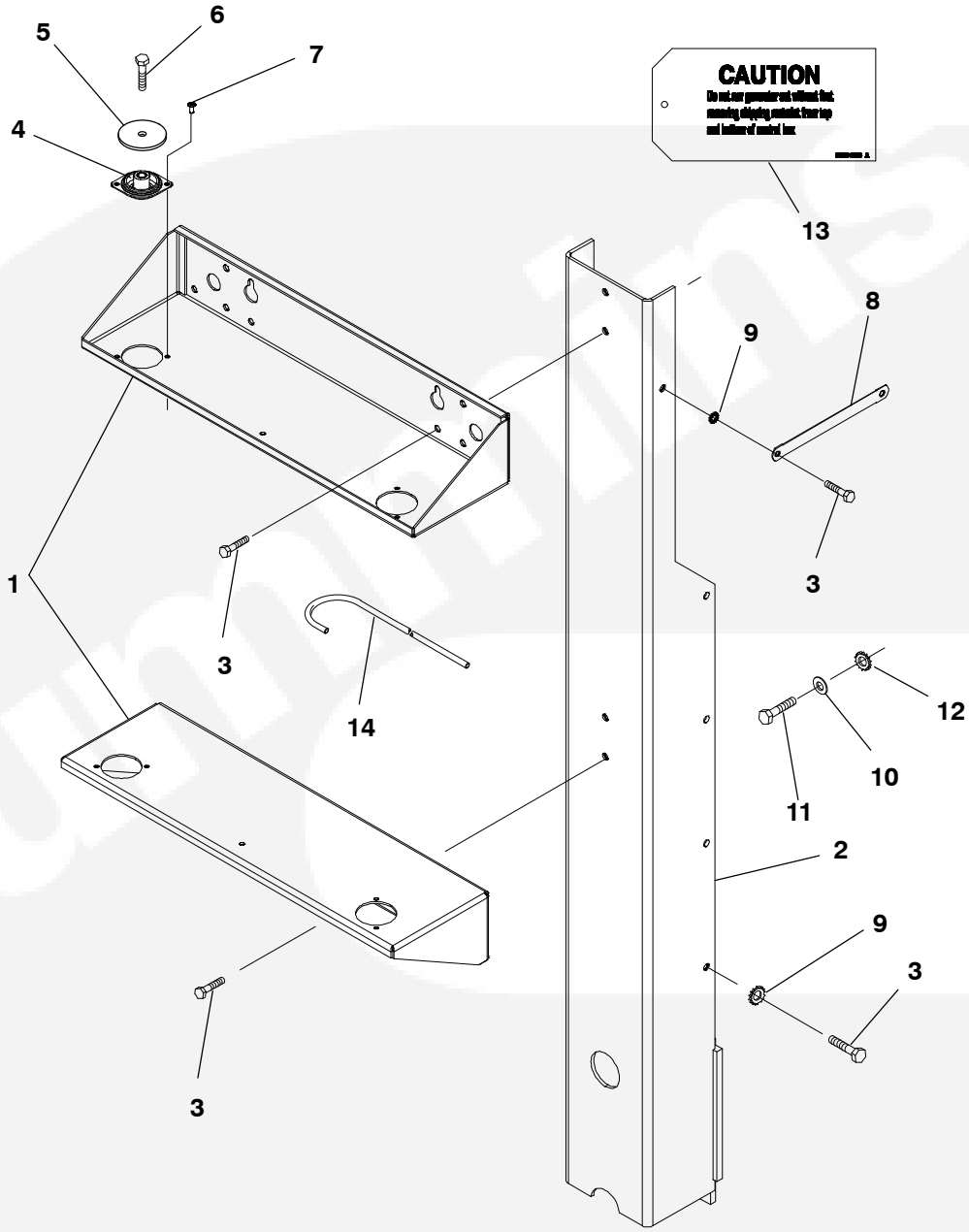
Generator

Cummins Power Generation Identification Number	Generator Model Number or Frame/Core
Continued...	
200–3133–11	P7F
200–3133–12	P7G
200–3133–21	P7D
200–3133–22	P7E
200–3133–23	P7F
200–3133–24	P7G
200–3133–27	P7D
200–3133–28	P7E
200–3133–29	P7F
200–3133–30	P7G
200–3134–01	LVSI804R1
200–3134–02	LVSI804S1
200–3134–04	LVSI804R1
200–3134–05	LVSI804S1
200–3134–06	LVSI804T1
200–3134–07	LVSI804R1
200–3134–08	LVSI804S1
200–3134–09	LVSI804T1
200–3134–16	LVSI804R1
200–3134–17	LVSI804S1
200–3134–19	LVSI804R1
200–3134–20	LVSI804S1
200–3134–21	LVSI804T1
200–3134–22	LVSI804R1
200–3134–23	LVSI804S1
200–3134–24	LVSI804T1

NOTE: From Field Flash Titled “Hardened Cartridge for Alternator Bearing UPDATE” Kit to replace a Standard or Hardened Cartridge. The new kit includes a new bearing and cartridge.

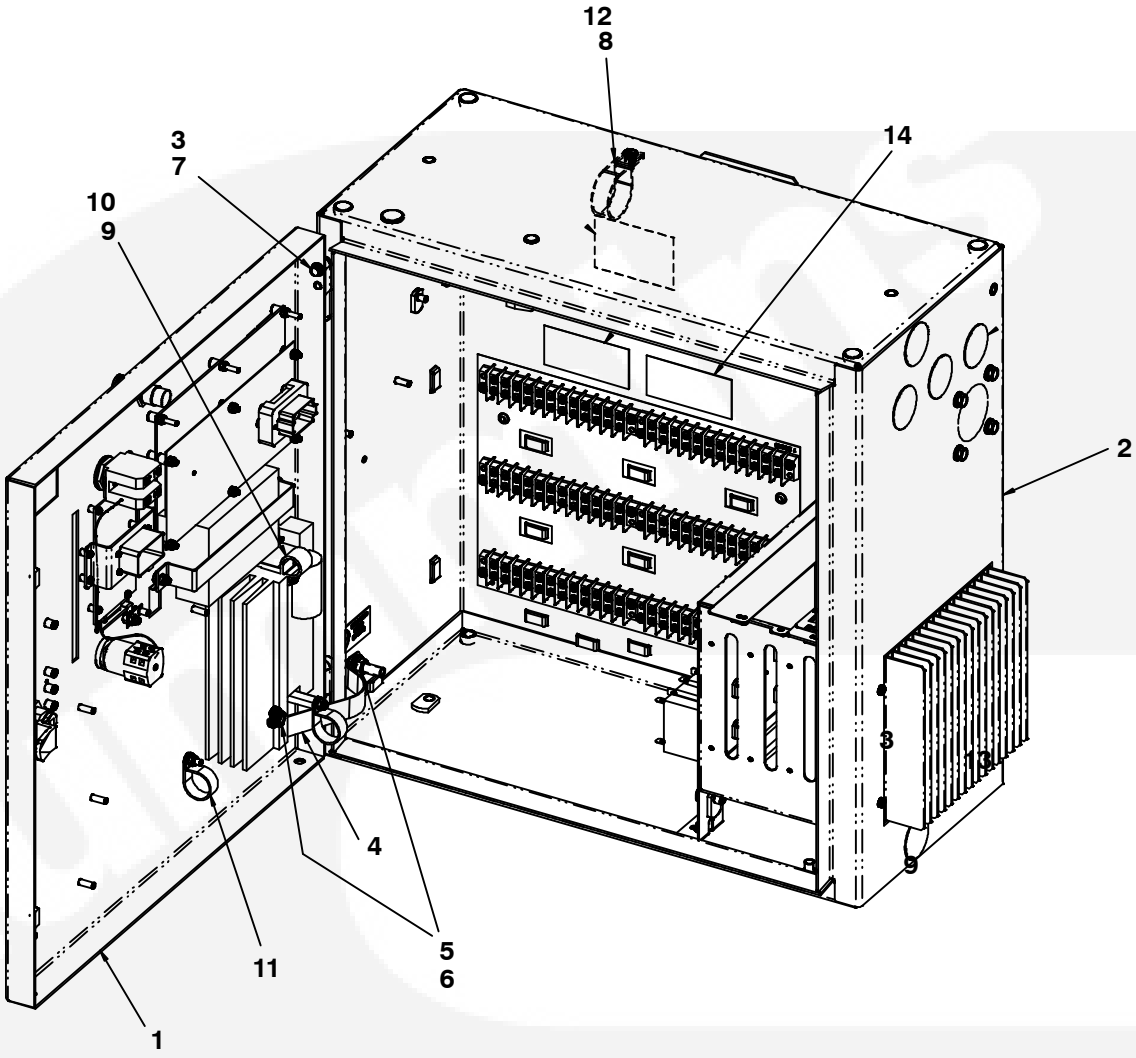
0541–1217 Alternator Kit for HC–7 or MV–7 or P7
0541–1218 Alternator Kit for Frame 8 Mark1
0541–1219 Alternator Kit for P80

Control Box Installation



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319–5052–02	2	Bracket, Control
2	319–5186–02	2	Bracket, Control
3	821–6003–02	10	Screw, Hex Head (M8 x 1.25 x 20)
4	402–0666–01	4	Isolator, Vibration
5	526–0324	4	Washer, Flat (3/8)
6	815–0776	4	Screw, Hex – Flange Head (M8 x 1.25 x 45)
7	818–0231–02	8	Rivet, Pop
8	337–0049	1	Strap, Bond
9	853–2008	2	Washer, Lock – W/ET (M8)
10	526–0128	2	Washer, Flat
11	800–3017–41	4	Screw, Cap – Hex Head (M10 x 1.5 x 45)
12	870–2056	4	Nut, Lock – Flange (M10 x 1.5)
13	098–8186	1	Label, Caution
14	503–1418	2	Hose, Fuel

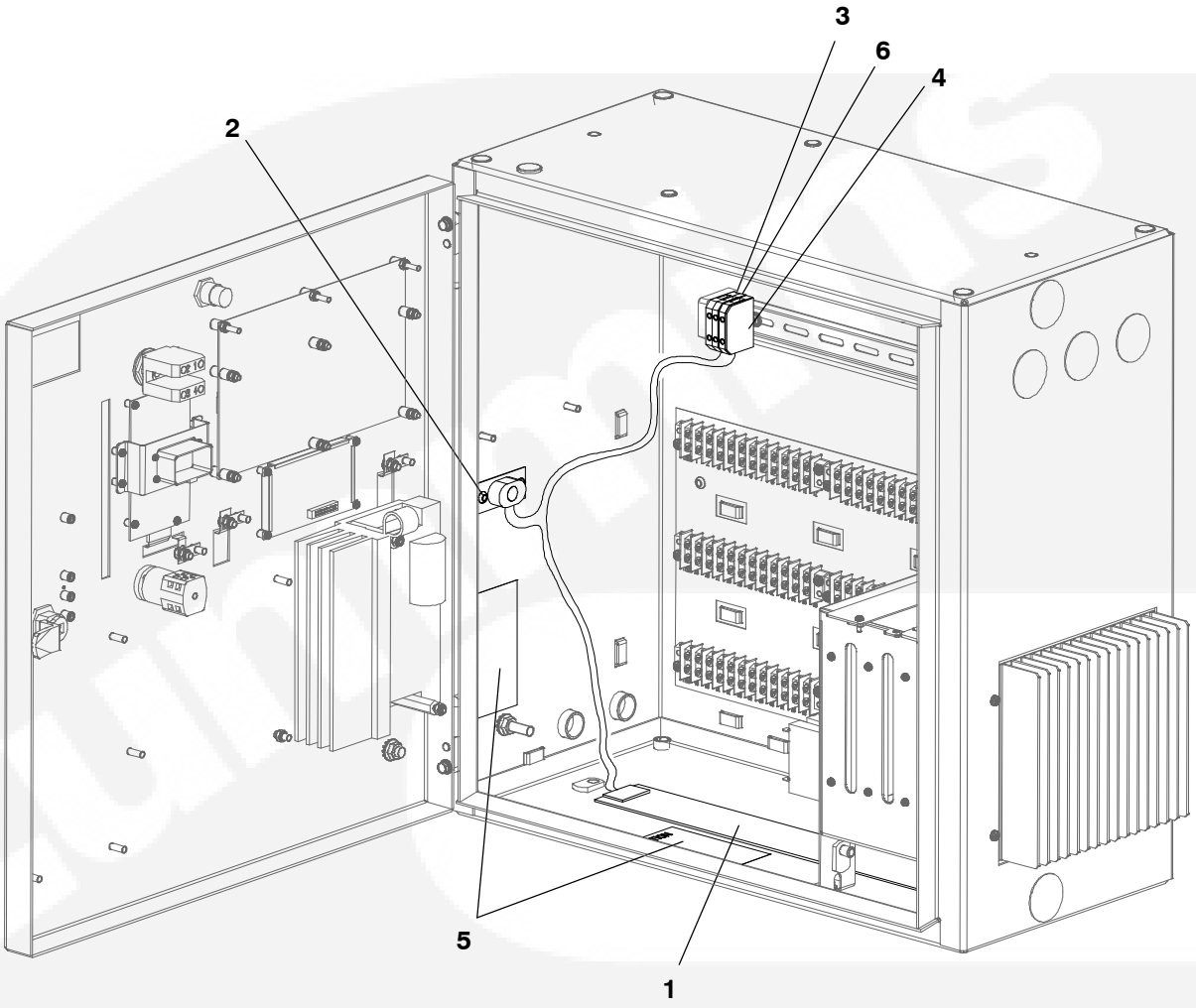
Control Assembly



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300–5759–01	1	Control Assy
2	300–5758–02	2	Control Assy
3	406–0810	2	Hinge
4	337–0049	1	Strap, Electrical
5	853–2008	2	Washer, Lock
6	870–2062	2	Nut, Flange Lock
7	821–6001–01	4	Screw, Hex Head
8	870–2062	4	Nut, Lock

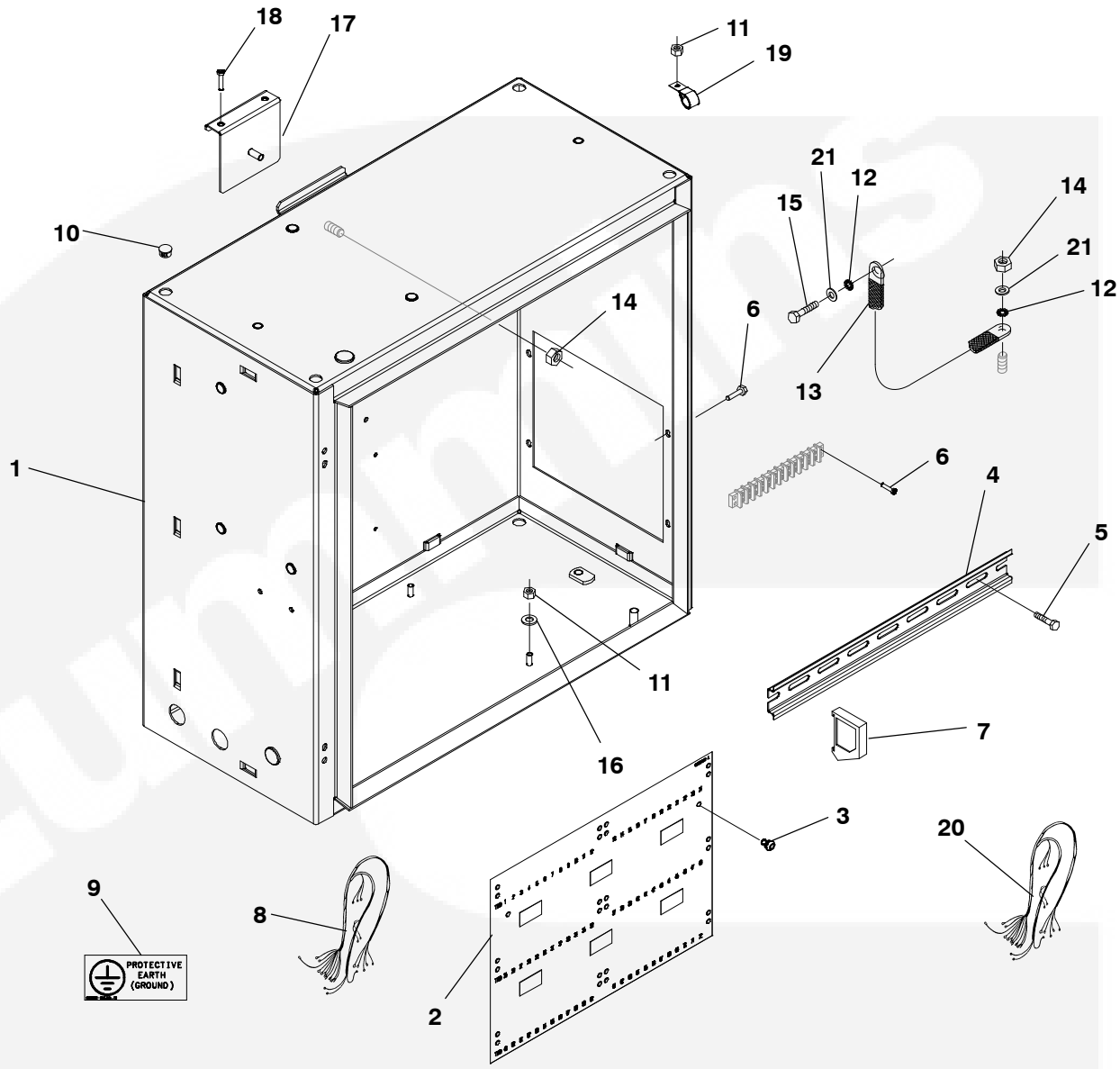
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
9	332–0052	A/R	Tie, Cable
10	332–0052	1	Clip, Wire
11	425–1799	2	Clamp
12	503–1950	1	Clip
13	526–0115	2	Washer, Flat
14	098–8368	1	Label, Information
15	526–0399–57	1	Washer, Flat

Control Heater



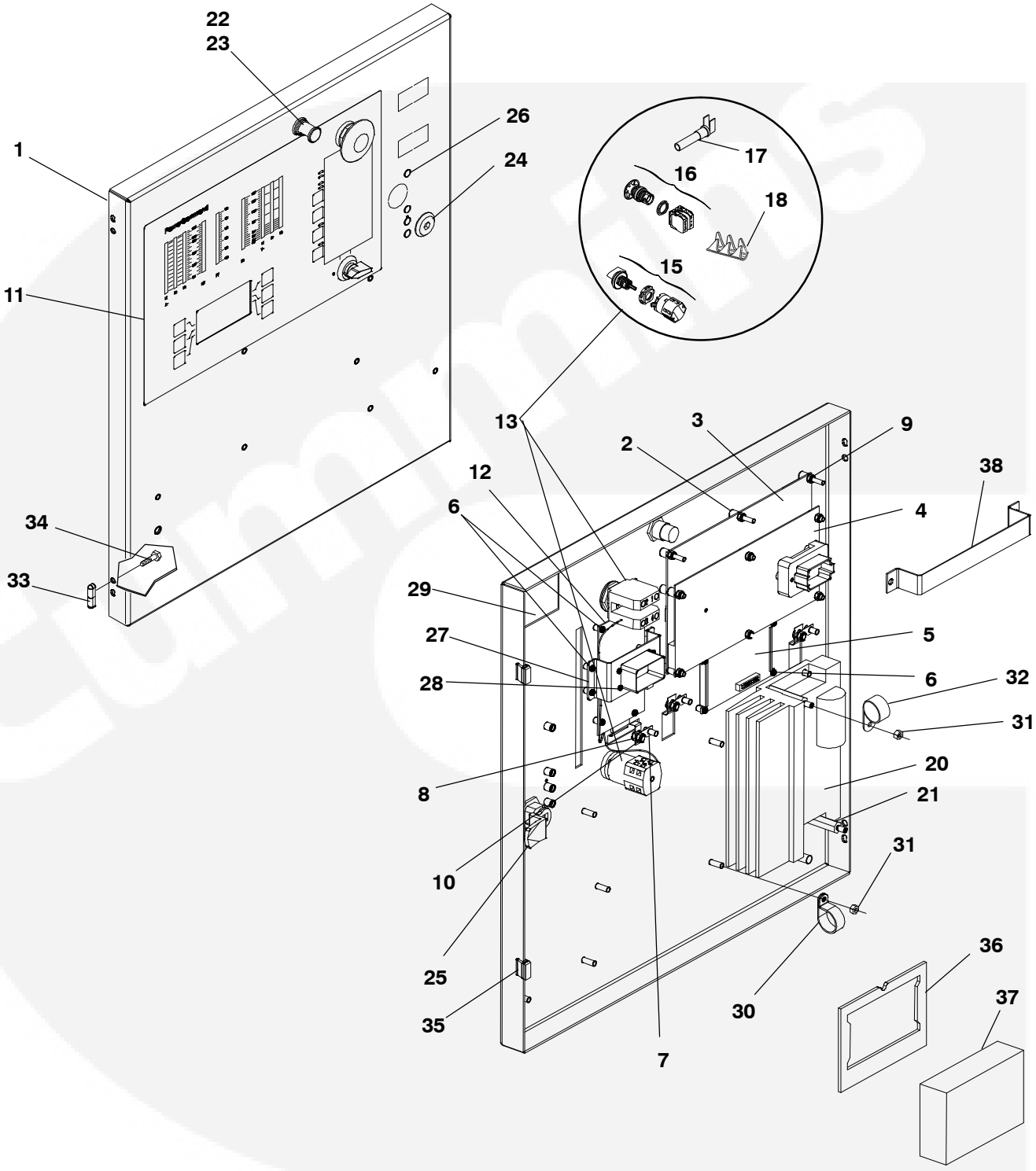
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Heater Assembly, Control – 150 Watt
	333–0645–01	1	120 Volt
	333–0645–02	1	240 Volt
2	818–1150–02	2	Rivet, Drive
3	332–3125–01	2	Block, Terminal
4	332–3126–01	1	Endplate, Terminal
5	098–6195	2	Label, Caution
6	332–4002	1	Block, Terminal – Ground

Control Box



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	A034M148	1	Box, Control
2	098–8121	1	Label, Information
3	818–1150–02	2	Rivet, Drive
4	A029D229	1	Rail, Terminal
5	815–0793–02	2	Screw, Flange Head (M5 x 0.8 x 10)
6	823–0002–05	24	Screw, Pan Head – Torx – Thread Forming (M4 x 0.7 x 14)
7	332–2878	2	Block, Terminal
8	338–4315	1	Harness, Lonworks
9	098–6635	1	Label, Ground
10	517–0133	8	Plug, Hole
11	870–2062	2	Nut, Nylon – Lock (M5)
12	853–2008	4	Washer, Lock – W/ET (M8)
13	337–0049	2	Strap, Ground
14	870–2055	4	Nut, Lock – Flange (M8)
15	821–2045	1	Screw, Locking – Flange (M8 x 1.25 x 16)
16	526–0008	2	Washer, Flat (M5)
17	319–5135–02	1	Bracket, Cable
18	819–1157	2	Screw, Pan Head – Cross Recessed (M6 x 1 x 50)
19	332–3196	1	Clamp, J
20	338–4363	1	Harness, Meter (Includes Resistor)
21	526–0115	2	Washer, Flat

Control Door



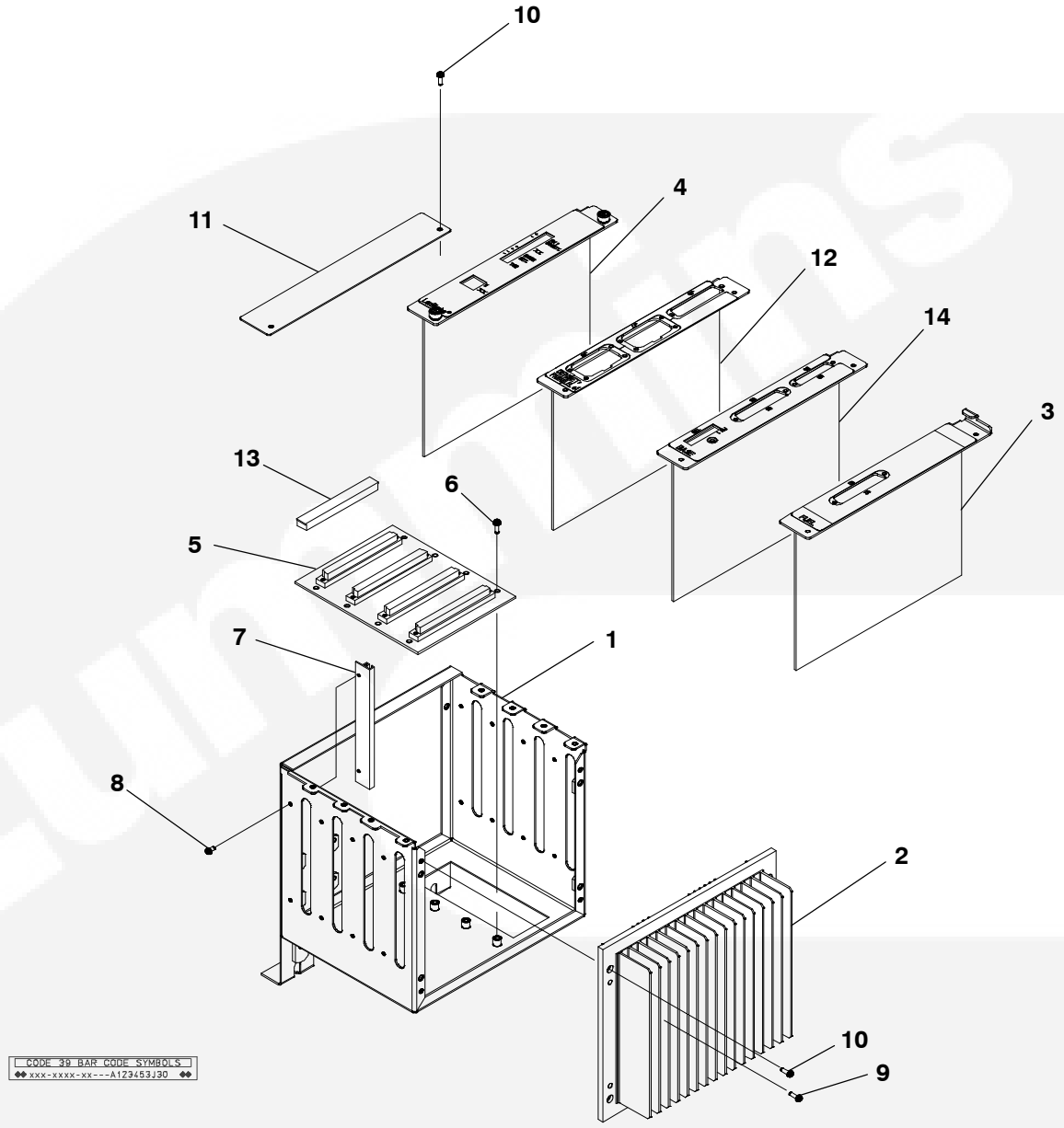
Control Door

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319–5018–02	1	Door, Control Box
2	332–1911	15	Spacer, LED
3	300–5180	1	Board, Printed Circuit – Bargraph
4	300–5179	1	Board, Printed Circuit – Operator Panel – Digital
5	326–0230	1	Display, Digital
6	823–0001–01	12	Screw, Pan Head – Thread Forming (M3 x 0.5 x 6)
7	526–2303	1	Washer, Double Hole
8	860–2006	3	Nut, Hex (M5 x .8)
9	870–2064–01	9	Nut, Nyloc (M4)
10	870–2062	3	Nut, Nylon – Lock (M5)
11	300–5685–01	1	Display, Control
12	300–5181	1	Board, Printed Circuit – Software Panel
13			Harness, Switch Panel
	338–3801	1	Switch Panel With Knob (Includes Parts Marked *)
	338–3801–01	1	Switch Panel With Key (Includes Parts Marked #)
14	323–1839	1	*# Connector – 6 Pin (Not Illustrated)
15	308–1085	1	* Switch, Selector – Switch Panel With Knob
16	308–0999	1	*# Switch, Emergency Stop
17	323–1688	6	*# Socket, Terminal
18	332–3491–01	6	*# Terminal, Wire Pin
19	308–1085–01	1	# Switch, Selector – Switch Panel With Key (Not Illustrated)
20	300–4306	1	Regulator, Auto Voltage
21	872–0019–01	2	Standoff
22	322–0361	1	Light, Panel
23	322–0017	1	Lamp, Panel
24	406–0930	1	Latch, Door (1/4 Turn)
25	406–0932–02	1	Latch, Cam (Single Point)
26	322–0488	4	Lens, LED
27	319–4918–02	1	Bracket, Printed Circuit Board
28	815–0796	4	Screw, Pan Head – Thread Cutting (4–24 x 5/16)
29	098–6989	1	Label, Bar Code
30	425–1799	2	Clamp, Cable
31	870–2062	4	Nut, Nylon – Lock (M5)
32	332–0052	1	Clip, Wire
33	406–0810	2	Hinge, Block
34	821–6001–01	4	Screw, Hex Head (M5 x 0.8 x 10)
35	508–1186	2	Bumper
36	405–7779	1	Gasket, Enclosure
37	319–5194	1	Cover, Printed Circuit Board
38	319–5193	1	Bracket, Control

* – Included in 338–3801 Wiring Harness

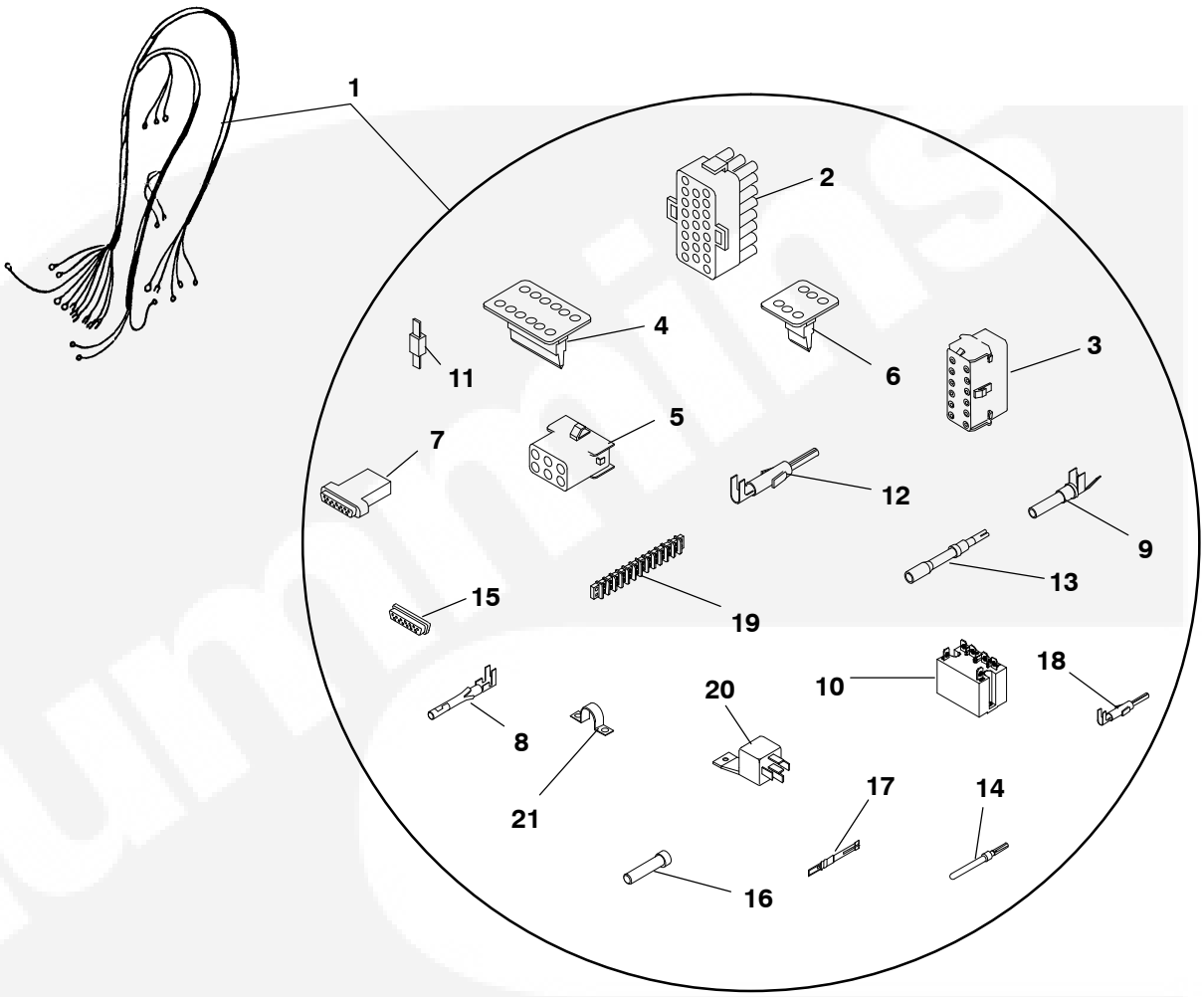
– Included in 338–3801–01 Wiring Harness

Card Cage



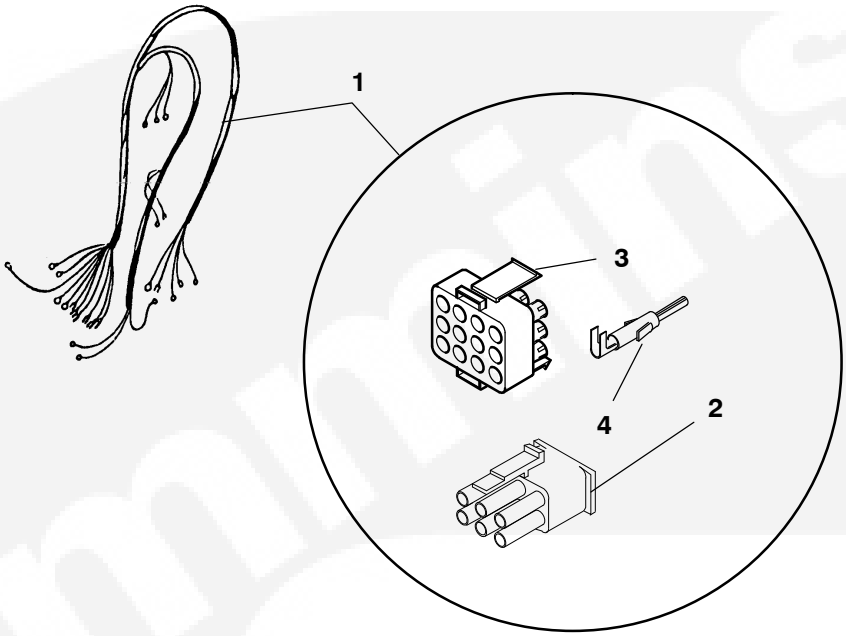
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319–5096–02	1	Frame, Cabinet
2	363–0183	1	Heatsink, Genset
3	300–4970	1	Board, Printed Circuit – Fuel
4	327–1387	1	Board, Printed Circuit – NCM
5	327–1390	1	Board, Printed Circuit – Backplane
6	815–0948	8	Screw, Torq (M4 x 6)
7			Guide, Metal Guide
	406–0916	4	Left Side
	406–0917	4	Right Side
8	815–0949	16	Screw (4–40 x 1/4)
9	823–0002–04	8	Screw, Pan Head – Torx – Thread Forming (M4 x 0.7 x 12)
10	815–0947	12	Screw (M3 x 10)
11	319–5079	A/R	Cover, Control – Blank
12			Board, Printed Circuit – Parallel Genset
	327–1376–01	1	Full Feature (Marked Genset/Parallel #2)
	327–1376–02	1	Depop Feature (Marked Genset/Parallel #1)
13	323–1848	1	Cover, 96-Pin Header
14	327–1418	1	Board, Printed Circuit – Genset Base

Wiring Harness
Control



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338–4302	1	Harness, Control (Includes Parts Listed Below)
2			Plug, Connector (23 Place)
	323–1605–01	2	Colored Black (23)
	323–1605–03	1	Colored Grey (31)
	323–1605–04	1	Colored Blue (07)
3	323–1582	1	Plug, Connector (12 Place)
4	323–1583	1	Wedge (12 Place)
5	323–1623	2	Plug, Connector (6 Place) (30, Inline D)
6	323–1624	2	Wedge (6 Place)
7			Contact, Connector
	323–1841	1	9 Place
	323–1836	1	25 Place
	323–1837	1	50 Place
8	323–1614–01	74	Pin, Contact
9	323–1492	27	Socket, Contact
10	307–2968–04	2	Relay, Power (24 Volt) (K14, K15)
11	357–0030	1	Rectifier, Silicon
12	323–1199	5	Pin, Contact
13	323–1835–02	4	Socket, Contact
14	323–1847–01	4	Pin, Contact
15			Grommet
	323–1843	1	50 Place
	323–1845	1	25 Place
16	323–1591	2	Plug, Seal
17	323–1835–01	54	Contact, Pin
18	323–1491	4	Terminal, Pin
19	332–0607	7	Block, Terminal – 12 Place
20	307–2817–02	1	Relay (K20)
21	332–1043	22	Jumper, Terminal

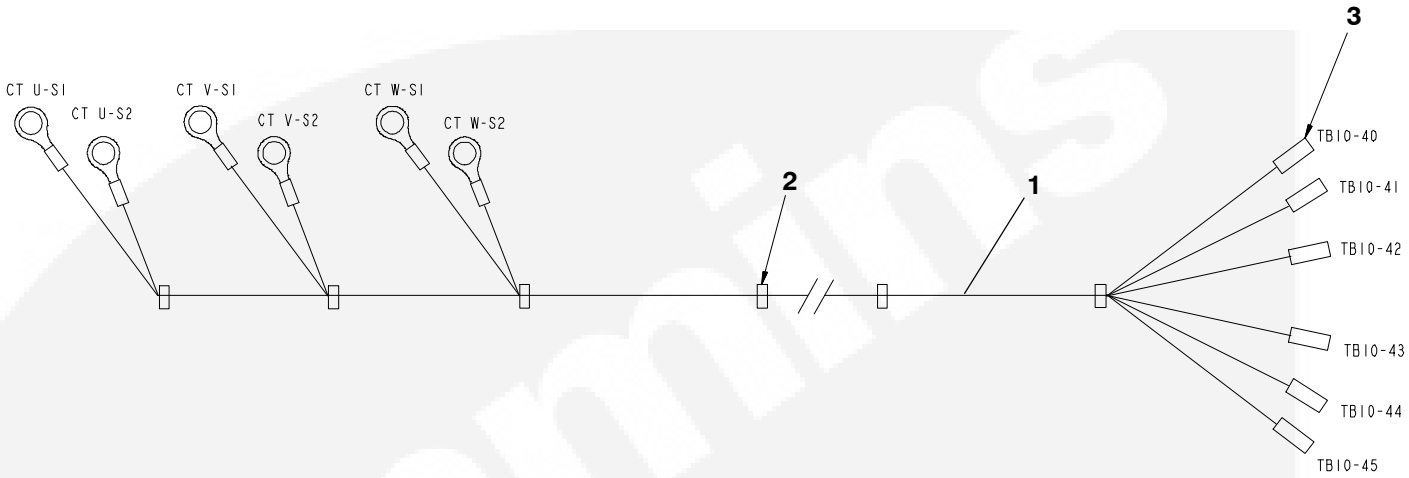
Wiring Harness
AC



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Harness, AC (Includes Parts Listed Below)
	338–4317	1	Frame 7, 6 and 5 LV Alternators
	338–4316	1	Frame 8 Alternators

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
2	323–1643–01	1	Housing, Plug and Cap
3	323–1644–03	1	Housing, Plug and Cap
4	323–1648	15	Socket, Terminal

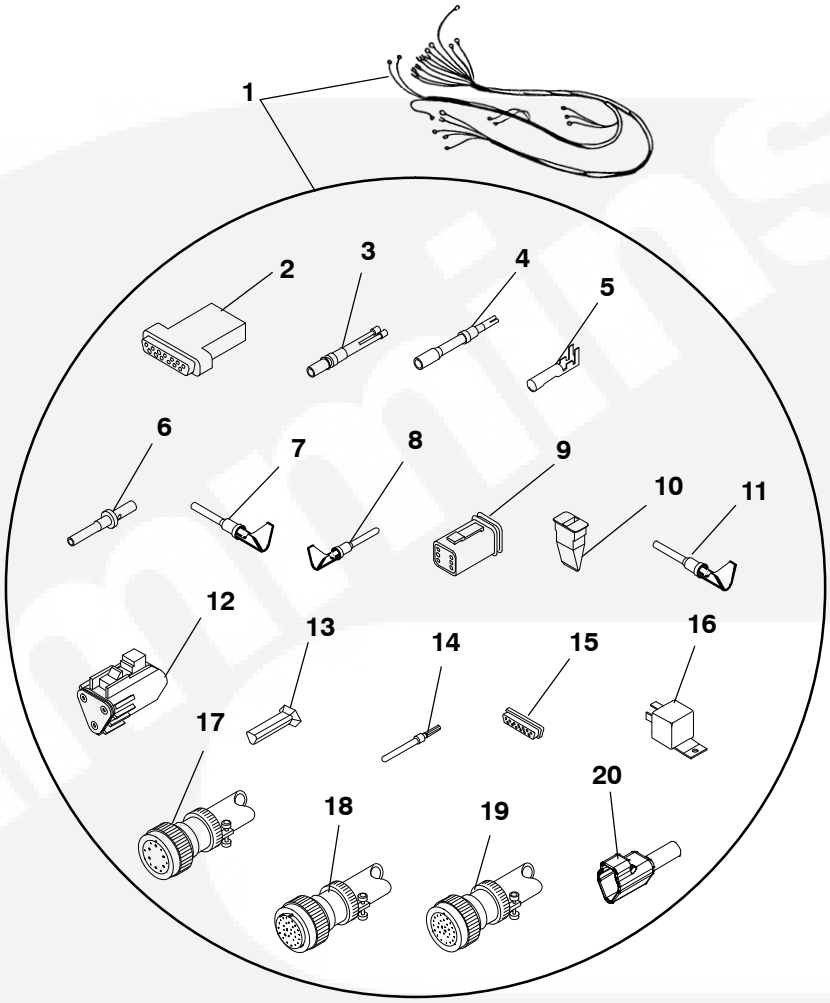
Wiring Harness
AC (CT)



AC HARNESS - METERING CTS (P80)

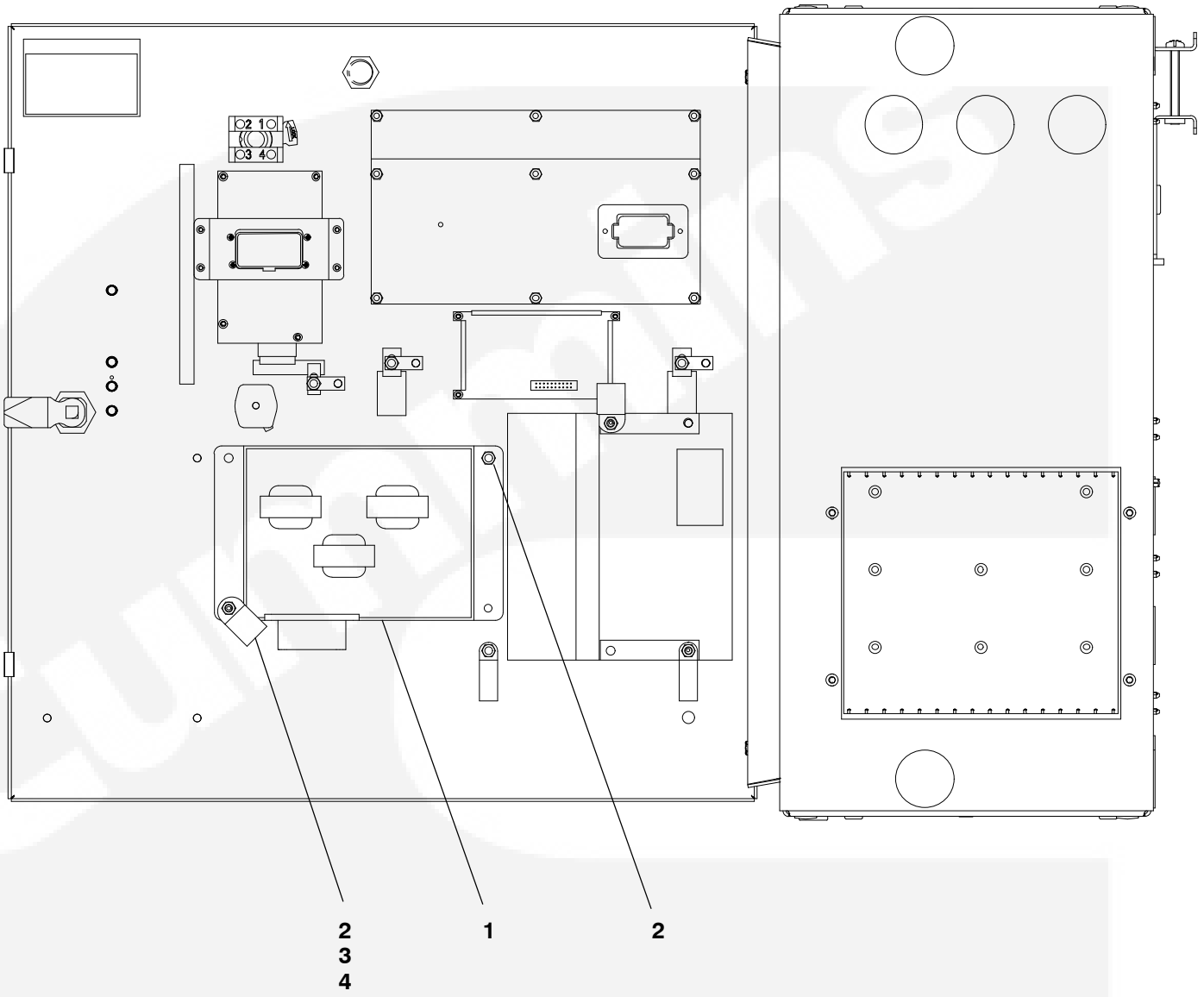
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338–5072	1	Harness, AC (Includes Parts	3	332–3491–01	6	Terminal, Wire Pin
2	332–3388	4	Tie, Cable				

Wiring Harness
Engine Extension



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338–4314		Harness, Wiring – Engine Extension (Includes All Parts Listed Below)
2			Connector, Contact
	323–1841	1	9 Place (Includes Screws and Locknuts) (Connector 13)
	323–1837	2	50 Place (Includes Backshell and Hardware) (Connector 2 and 5)
3	323–1835–01	54	Socket, Contact (5/8” Long)
4	323–1835–02	24	Socket, Contact (7/8” Long)
5	323–1752	30	Socket, Contact
6	323–1838	6	Pin, Contact
7	323–1491	58	Pin, Contact (Used With 323–1625 Housing)
8	323–1834	42	Pin, Contact
9	323–1625	1	Housing, Connector (6 Place) (Inline D)
10	323–1626	1	Wedge (Used With 323–1625 Housing)
11	323–1492	19	Socket, Contact
12	323–1493	1	Plug, Connector (3 Place)
13	323–1503	1	Wedge
14	323–1847–01	9	Pin, Connector
15	323–1843	2	Grommet
16	307–2817–02	1	Relay
17	323–2052	1	Connector, Plug (19 Pin)
18	323–2051	1	Connector, Plug (33 Socket)
19	323–2050	1	Connector, Plug (33 Pin)
20	323–1888	1	Connector, Boot

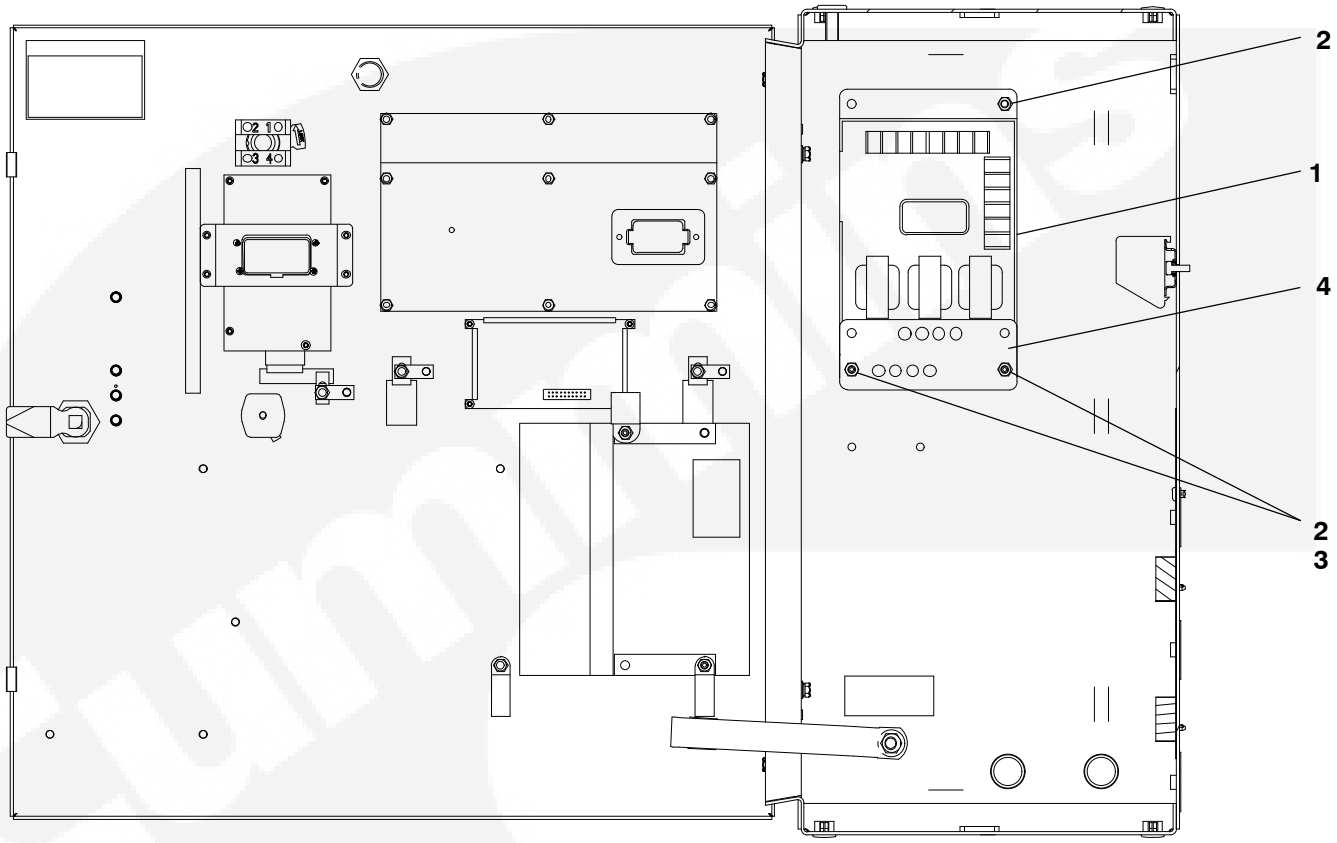
PT/CT Module



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Board, Printed Circuit – PT/CT Module
	300–4308–01	1	120 Volts
	300–4308–02	1	240 Volts
	300–4308–03	1	346 Volts

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
2	870–2062	2	Nut, Nylon – Lock (M5)
3	872–0019–01	1	Standoff
4	332–0052	1	Clip, Wire

Bus PT Module



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Board, Printed Circuit – Bus PT Module
	300–4985–01	1	120 Volts
	300–4985–02	1	240 Volts
	300–4985–03	1	346 Volts
	300–4985–04	1	60 Volts
2	870–2062	3	Nut, Nylon – Lock (M5)
3	872–0019–01	2	Standoff
4	319–5060	1	Guard, Electrical

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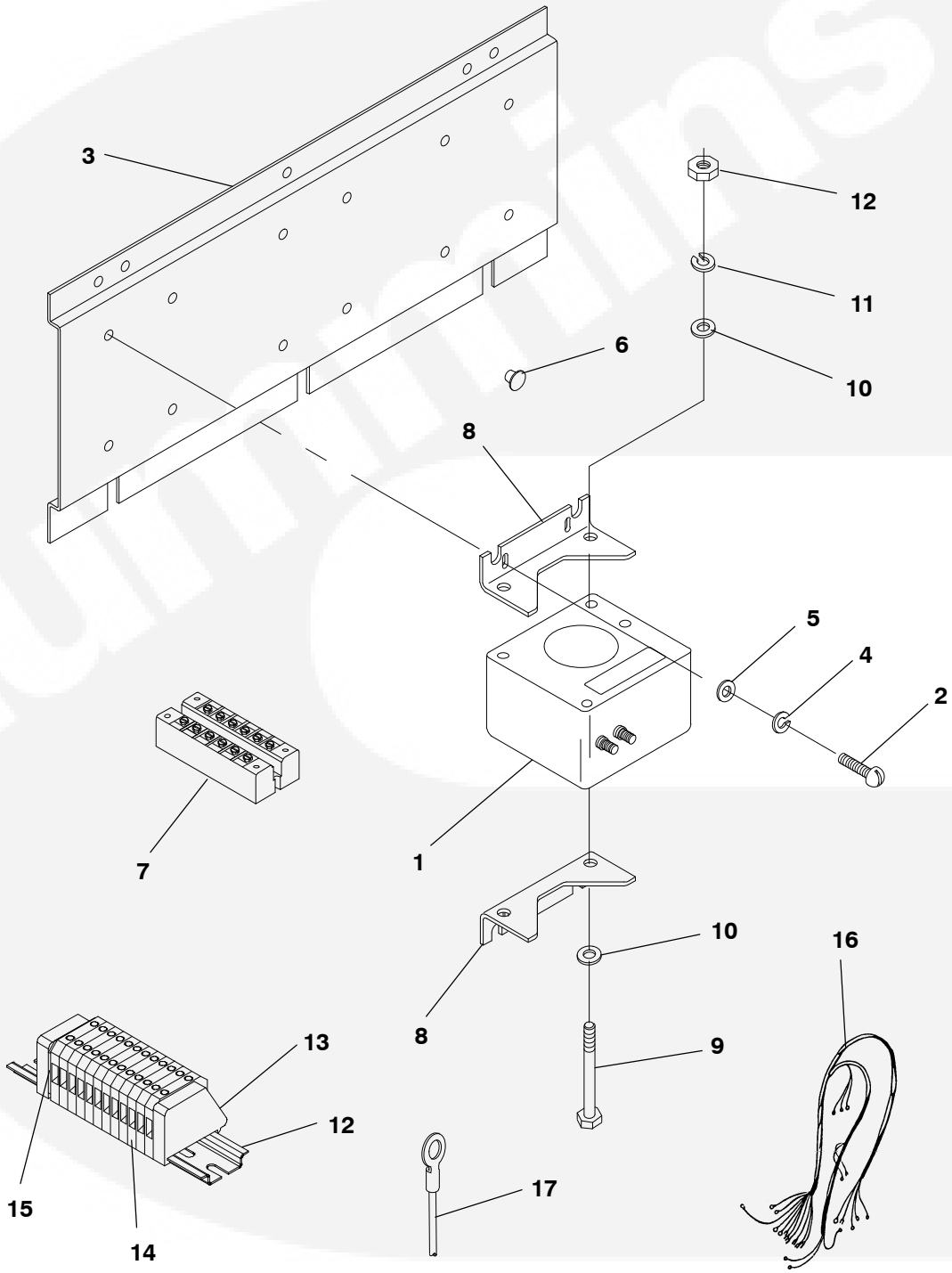
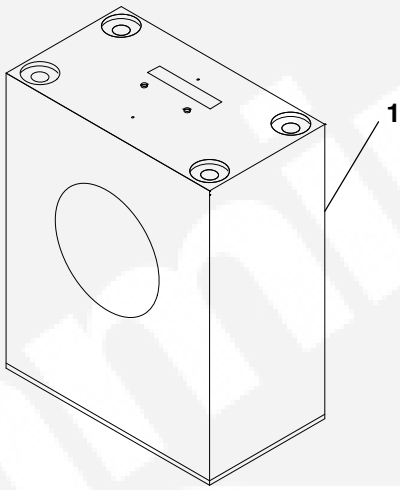
Differential Current Transformer
DQKB, DQKC



Differential Current Transformer
DQKB, DQKC

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	302–1945–06	3	Transformer, Current – Ratio 400/5 (CT1,CT2,CT3)
2	813–0098	12	Screw, Machine – Round Head (#10–32 x 3/8”)
3	319–1265	1	Bracket, Current Transformer
4	850–0030	12	Washer, Lock – Spring (#10)
5	526–0008	12	Washer, Flat (#10)
6	517–0090	A/R	Plug, Hole (Fits 5/16” Hole) (Quantity Used As Required)
7	319–3297	6	Bracket, Foot
8	800–0039	6	Screw, Cap – Hex Head (5/16–18 x 3–1/2”)
9	526–0022	12	Washer, Flat (5/16”)
10	850–0045	6	Washer, Lock – Spring (5/16”)
11	862–0015	6	Nut, Hex (5/16–18)
12	332–2879–02	1	Rail, Terminal
13	332–2878	2	Block, Terminal
14	332–3125–01	6	Block, Terminal
15	332–3126–01	1	Block, Terminal
16	338–4475	1	Harness, Transfer – Differential
17	226–4696	3	Lead – GND

Current Transformer
DQKH Spec A



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Transformer, Current
			P80 LV Alternators
	315–1609–01	A/R	Ratio 8000/1
	315–1609–02	A/R	Ratio 7000/1
	315–1609–03	A/R	Ratio 6000/1
	315–1616–01	A/R	Ratio 5000/5
	315–1616–02	A/R	Ratio 4000/5
	315–1616–04	A/R	Ratio 3000/5
			P80 MV/HV Alternators
	315–1608–02	A/R	Ratio 1000/1
	315–1608–03	A/R	Ratio 800/1
	315–1608–04	A/R	Ratio 500/1
	315–1608–06	A/R	Ratio 300/1
	315–1608–07	A/R	Ratio 250/1
	315–1617–02	A/R	Ratio 700/5
	315–1617–03	A/R	Ratio 600/5
	315–1617–04	A/R	Ratio 500/5
	315–1617–06	A/R	Ratio 300/5
	315–1617–08	A/R	Ratio 200/5
	315–1617–09	A/R	Ratio 150/5
			P6/P7 Alternators
	315–1610–01	A/R	Ratio 8000/1
	315–1610–02	A/R	Ratio 7000/1
	315–1610–06	A/R	Ratio 3500/1
	315–1619–01	A/R	Ratio 4000/5 or 8000/1
	315–1619–03	A/R	Ratio 3000/5 or 6000/1
	315–1618–01	A/R	Ratio 4000/5
	315–1618–03	A/R	Ratio 3000/5

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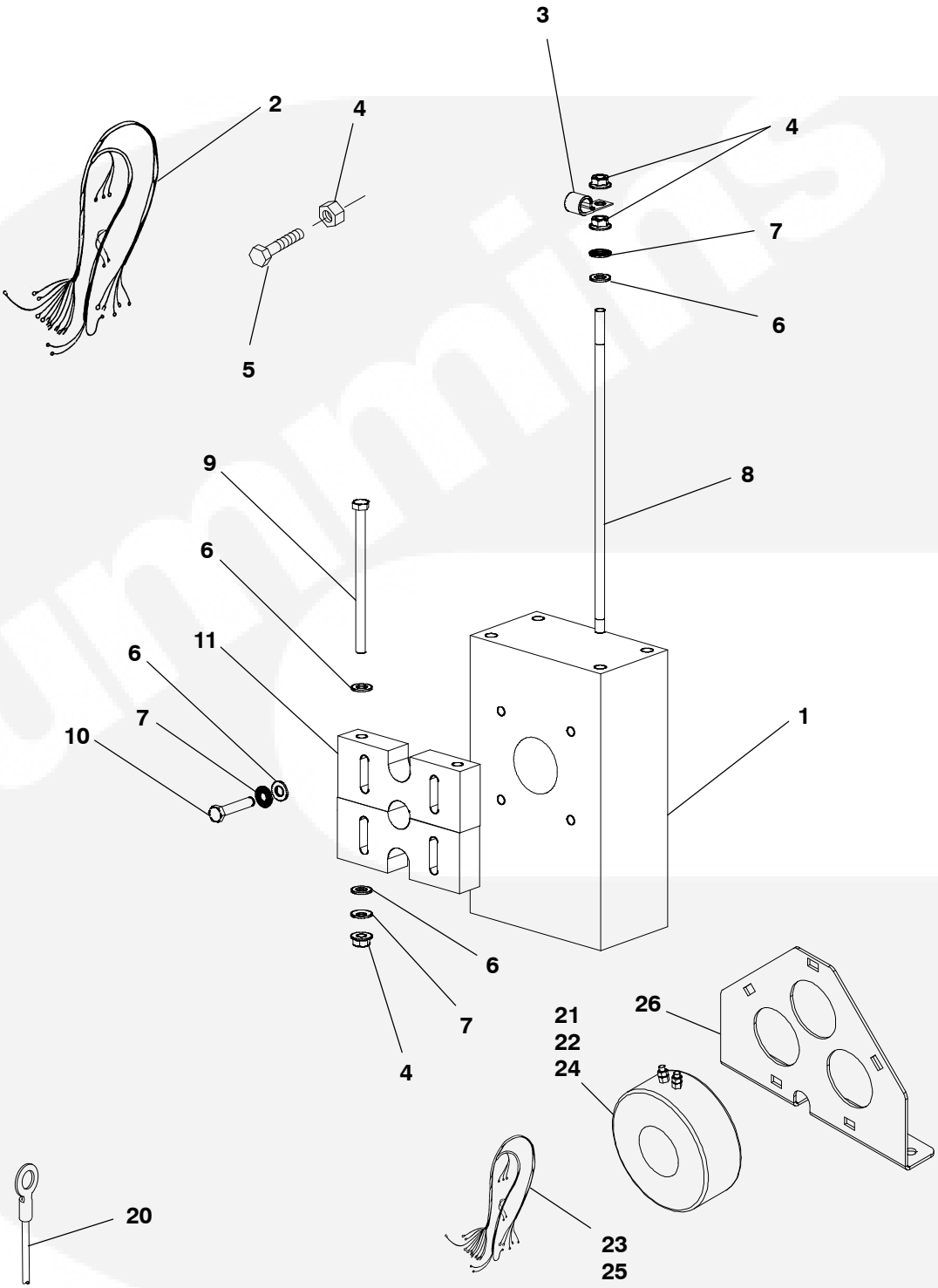
Current Transformer
DQKB, DQKC, DQKD, DQKH Begin Spec B

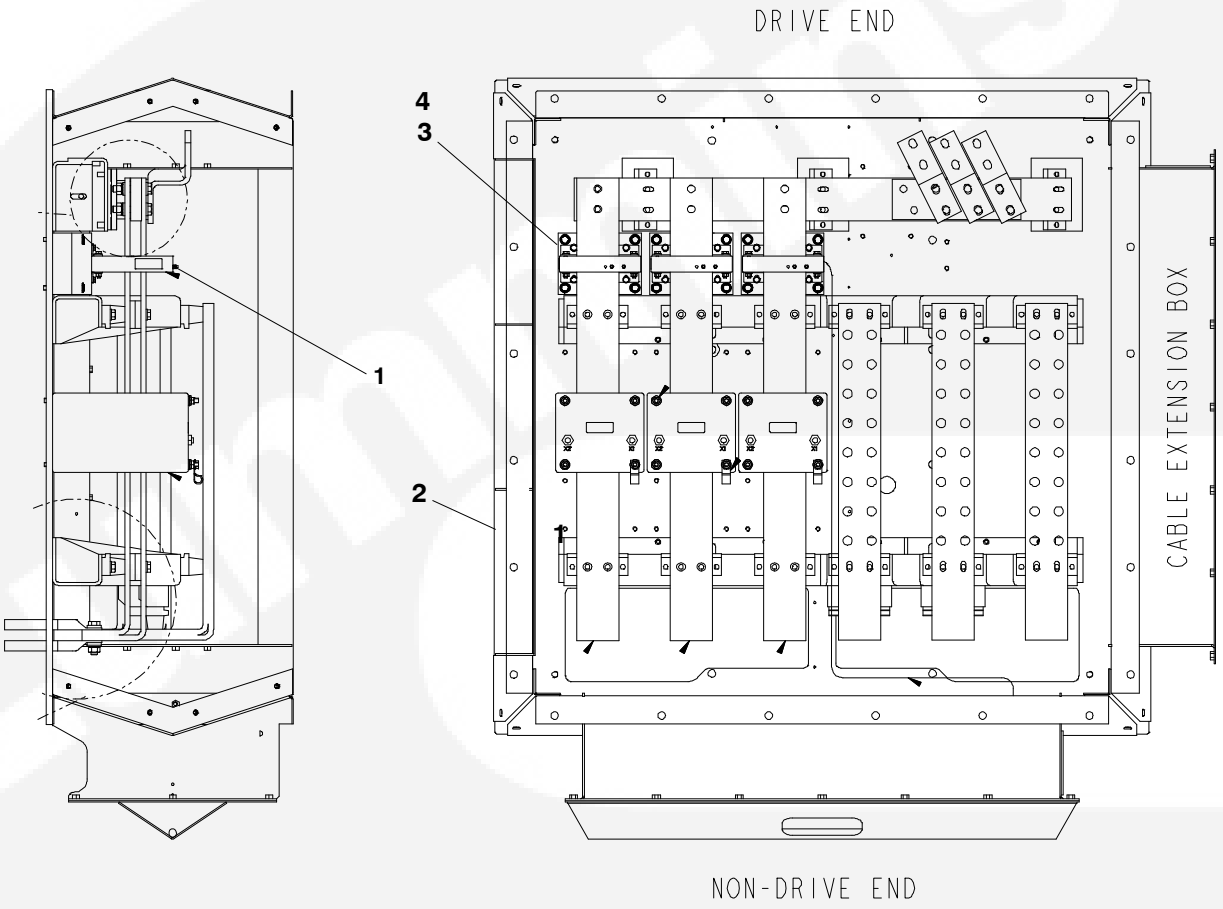


Current Transformer
DQKB, DQKC, DQKD, DQKH Begin Spec B

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Transformer, Current
			P80 LV Alternators
	315–1609–01	A/R	Ratio 8000/1
	315–1609–02	A/R	Ratio 7000/1
	315–1609–03	A/R	Ratio 6000/1
	315–1609–04	A/R	Ratio 5000/1
	315–1616–01	A/R	Ratio 5000/5
	315–1616–02	A/R	Ratio 4000/5
	315–1616–03	A/R	Ratio 3500/5
	315–1616–04	A/R	Ratio 3000/5
	315–1616–05	A/R	Ratio 6000/5
			P80 MV/HV Alternators
	315–1608–02	A/R	Ratio 1000/1
	315–1608–03	A/R	Ratio 440/1
	315–1608–04	A/R	Ratio 500/1
	315–1608–05	A/R	Ratio 400/1
	315–1608–06	A/R	Ratio 300/1
	315–1608–07	A/R	Ratio 250/1
	315–1617–01	A/R	Ratio 800/5
	315–1617–02	A/R	Ratio 700/5
	315–1617–03	A/R	Ratio 600/5
	315–1617–04	A/R	Ratio 500/5
	315–1617–05	A/R	Ratio 400/5
	315–1617–06	A/R	Ratio 300/5
	315–1617–07	A/R	Ratio 250/5
	315–1617–08	A/R	Ratio 200/5
	315–1617–09	A/R	Ratio 150/5
	315–1617–10	A/R	Ratio 120/5
			P7 Alternators
	315–1610–01	A/R	Ratio 8000/1
	315–1610–02	A/R	Ratio 7000/1
	315–1610–03	A/R	Ratio 6000/1
	315–1610–04	A/R	Ratio 5000/1
	315–1610–06	A/R	Ratio 3500/1
	315–1619–01	A/R	Ratio 4000/5 or 8000/1
	315–1619–03	A/R	Ratio 3000/5 or 6000/1
	315–1618–01	A/R	Ratio 4000/5
	315–1618–03	A/R	Ratio 3000/5
	315–1640–01	A/R	Ratio 5000/5
	315–1618–05	A/R	Ratio 5000/5
	315–1640–02	A/R	Ratio 4000/5
	315–1640–03	A/R	Ratio 5000/5
	315–1640–04	A/R	Ratio 4000/5
	315–1618–01	A/R	Ratio 4000/5
	315–1640–05	A/R	Ratio 3500/5
	315–1618–02	A/R	Ratio 3500/5
	315–1640–06	A/R	Ratio 3500/5
	315–1640–07	A/R	Ratio 3000/5
	315–1618–03	A/R	Ratio 3000/5

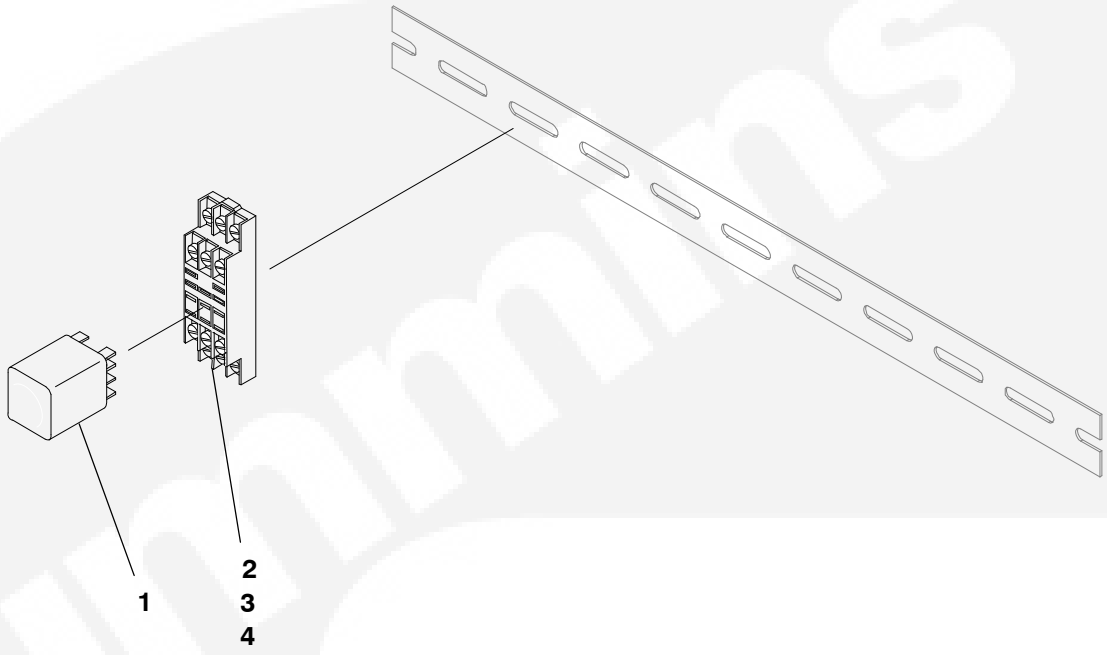
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
2			Harness, AC
	338–4470	1	Metering CTS
	338–4471	1	Differential CTS
3	518–0515	5	Clip, Wire
4	870–2065–03	A/R	Nut, Hex – Flange
5	821–6003–02	A/R	Screw, Hex Head (M8 x 1.25 x 20)
6	526–0399–60	A/R	Washer, Flat
7	851–0048–01	A/R	Washer, Belleville
8	520–2651–01	A/R	Stud (M8 x 1.25)
9	800–2075	A/R	Screw, Cap – Hex Head (M8 x 1.25 x 130)
10	800–2061	A/R	Screw, Cap – Hex Head (M8 x 1.25 x 40)
11	332–4043	A/R	Clamp, Cable
12	332–4044	3	Jumper, Terminal (Not Illustrated)
13	332–2879–02	1	Rail, Terminal
14	332–2878	2	Block, Terminal
15	332–3125–01	12	Block, Terminal
16	332–3126–01	1	Block, Terminal
17	821–6001–03	2	Screw, Hex Head
18	850–0114–52	2	Washer, Lock
19	862–0026–53	2	Nut, Hex
20	226–4696	6	Lead – Ground
21	302–2058–31	3	Transformer, Current – Ratio 6250/1 – P7 Alternators, UL2200 – Metering CTS
22	302–2058–32	3	Transformer, Current – Ratio 5750/1 – P7 Alternators, UL2200 – Metering CTS
23	338–4463–02	1	Harness, AC – Used with Item 21
24	302–2058–36	3	Transformer, Current – Ratio 670/1 – P7 Alternators, UL2200 – Metering CTS
25	338–4494	1	Harness, AC – Used with Item 23
26	319–5487–02	1	Base, Transformer

Differential Current Transformer
DQLA, DQLB



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Transformer, Current Support
	315–1673	3	Transformer, Current Support
	315–1674	3	Transformer, Current Support
2	300–5951–02	1	Panel, Control
3	306–5320–02	2	Shield, Bus
4	306–5319–02	2	Shield, Bus

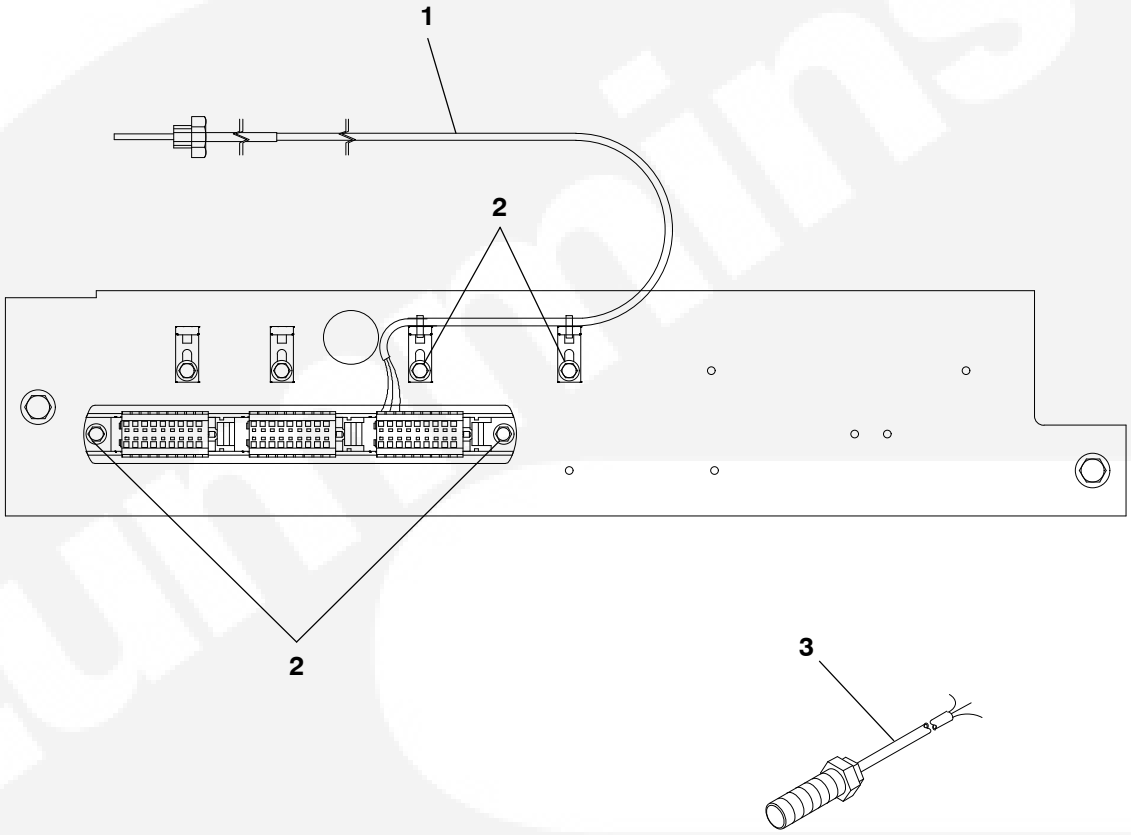
Customer Relays



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Relay (24 Volt)
	307–1056–01	1	Alarm Relay (K16)
	307–1056–01	3	Run Relay (K11,12,13)

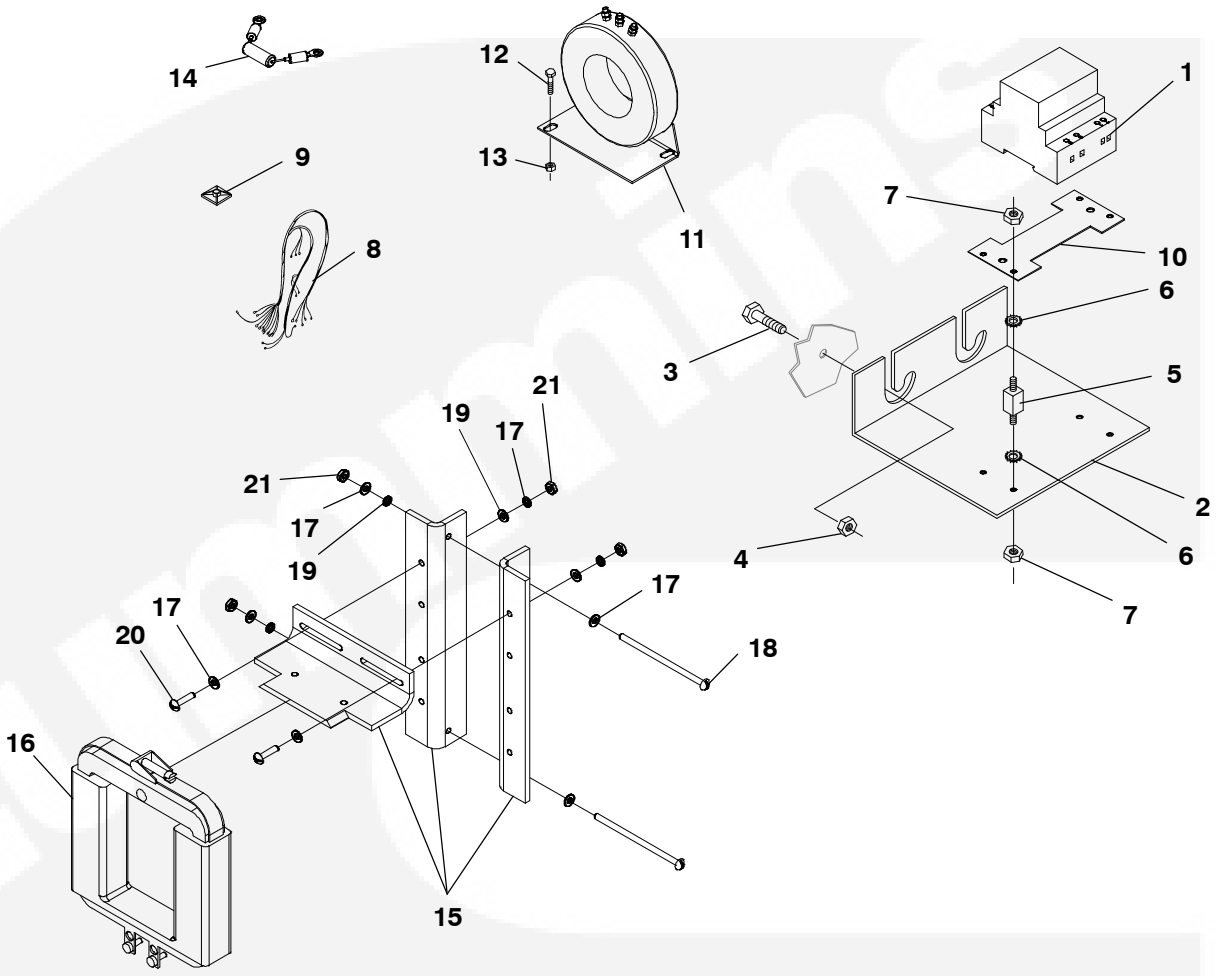
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
2			Socket, Relay
	323–1410–01	1	Alarm Relay
	323–1410–01	3	Run Relay
3	226–4883–04	1	Lead
4	226–4883–05	1	Lead

Resistive Temperature Detectors



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Detectors, Resistive Detectors – Package – P7
	179–3696–02	1	Without Mounting Plate
	179–3696–02	1	With Mounting Plate
2			Screw, Cap – Hex Head – P7
	821–6001–02	2	Without Mounting Plate
	821–6001–02	4	With Mounting Plate
3	193–0458–02	1	Detector, Temperature – Frame 8

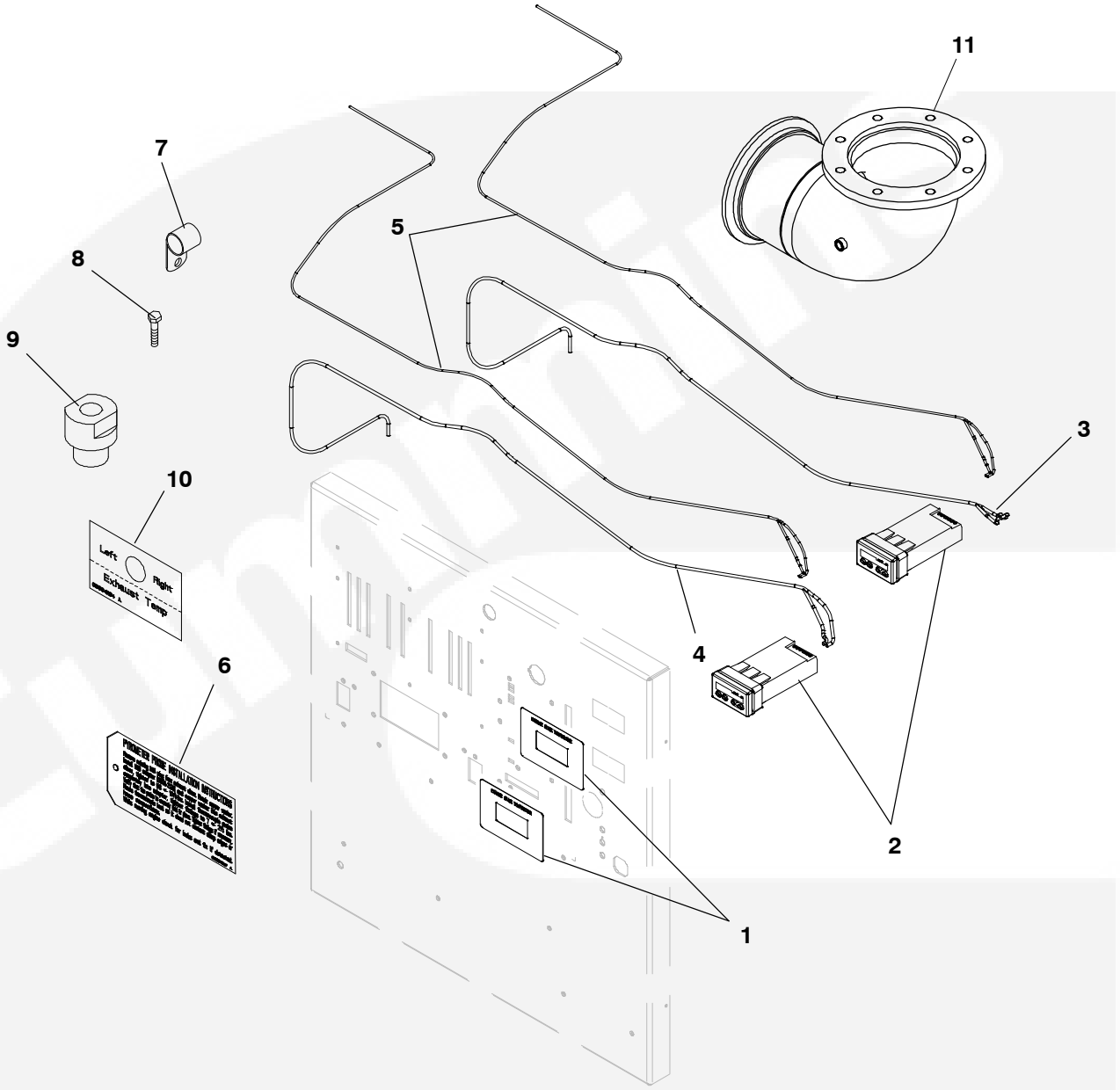
Ground Fault Relay



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	307–3003–01	1	Relay, Ground Fault
2	301–6987	1	Bracket, Watts Transducer
3	821–0017	2	Screw, Locking (5/16–18 x 1/2)
4	870–0257	2	Nut, Self-Locking (5/16–18)
5	402–0354	4	Mount, Shock
6	853–0005	8	Washer, Lock – W/ET (#8)
7	870–0221	8	Nut, Hex – W/ET (#8–32)
8	338–4408	1	Harness, Relay
9	332–2420	2	Mount, Cable Tie
10	319–5038–02	1	Plate, Mounting – Relay
11	315–1605–01	1	Transformer, Current (Used With 4 Pole Separately Derived Transfer Switch)
12	821–0010	2	Screw, Locking (1/4–20 x 1/2)
13	870–0212	2	Nut, Self-Locking (1/4–20)
14	338–4386	1	Harness, Meter – Resistor
15	315–1622	1	* Bracket, Transformer – Current
16	315–1621	1	* Transformer, Current
17	526–0003	8	* Washer, Flat (3/16)
18	812–0094	2	* Screw, Slotted – Round Head (#8–32 x 3.50)
19	850–0025	4	* Washer, Lock – Split (#8)
20	812–0082	2	* Screw, Slotted – Round Head (#8–32 x .75)
21	860–0008	4	* Nut, Hex (#8–32)

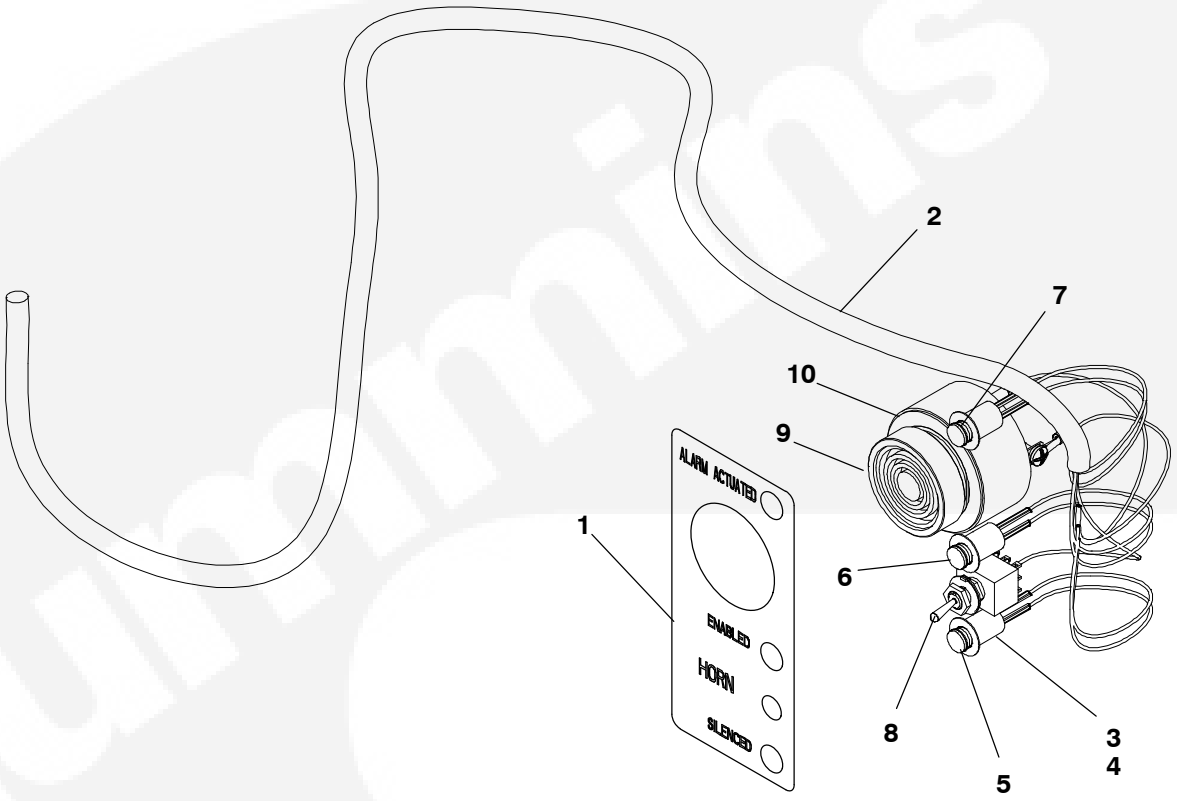
* Used With 3 Pole Non-Separately Derived Transfer Switch

Pyrometer
DQKB, DQKC, DQKD, DQKH Begin Spec B



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	098–7720–01	2	Label, Exhaust – Pyrometer
2	300–5796	2	Pyrometer, Exhaust
3	338–4340–01	1	Harness, Meter – Pyrometer (Labeled)
4	338–4340–02	1	Harness, Meter – Pyrometer (Labeled)
5	193–0493–01	2	Sender, Temperature
6	098–8157	3	Label, Instruction
7	518–0350	9	Clamp
8	821–6003–01	9	Screw
9	505–2138	2	Adapter, Pipe (1/8 x M16)
10	098–8184	1	Label, Instruction (Switch)
11	155–4529	1	Elbow, Exhaust (Outlet)

Audible Alarm Module
DQKB, DQKC, DQKD, DQKH Begin Spec B



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	098–7719–01	1	Label, Alarm
2	338–4351	1	Harness, Alarm (Includes the Following Parts)
3	323–1899–01	3	Connecter, LED
4	322–0491	3	Lamp, LED – High Intensity
5	322–0493–05	1	Lens, LED (Amber)
6	322–0493–04	1	Lens, LED (Green)
7	322–0493–06	1	Lens, LED (Red)
8	308–1105	1	Switch, Toggle
9	333–0654	1	Alarm, Audible
10	895–0401	1	Gasket, Audible Alarm

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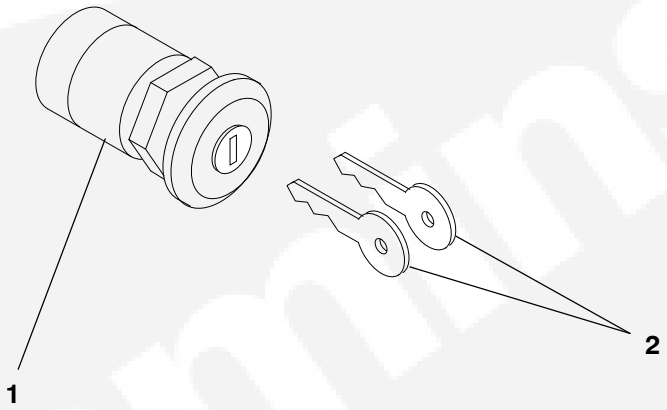
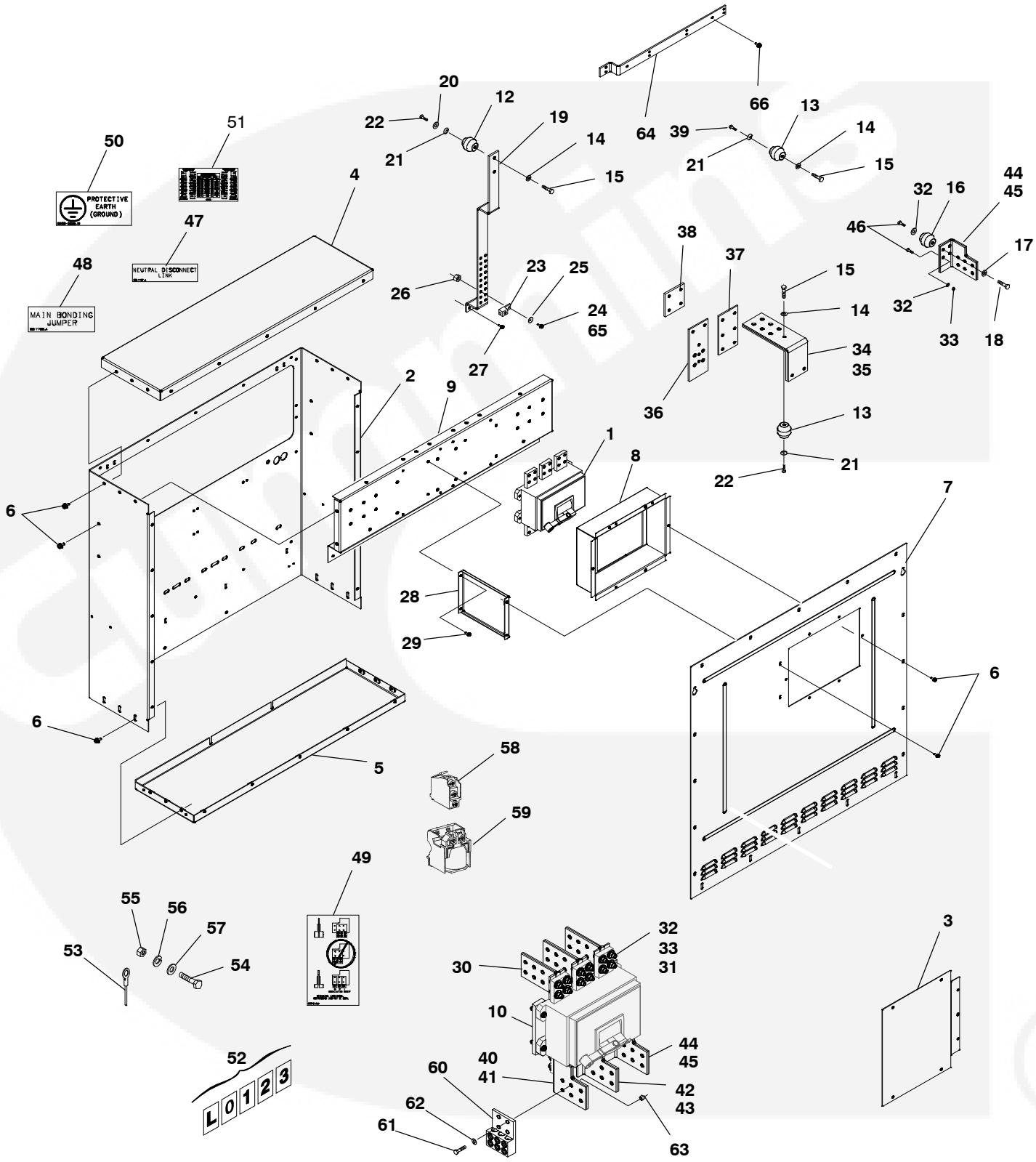
Key Operator Switch



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	300−4564	1	Key, Operator Installation
1	308−1045	1	Switch, Key Operator
2	308−1046	2	Key

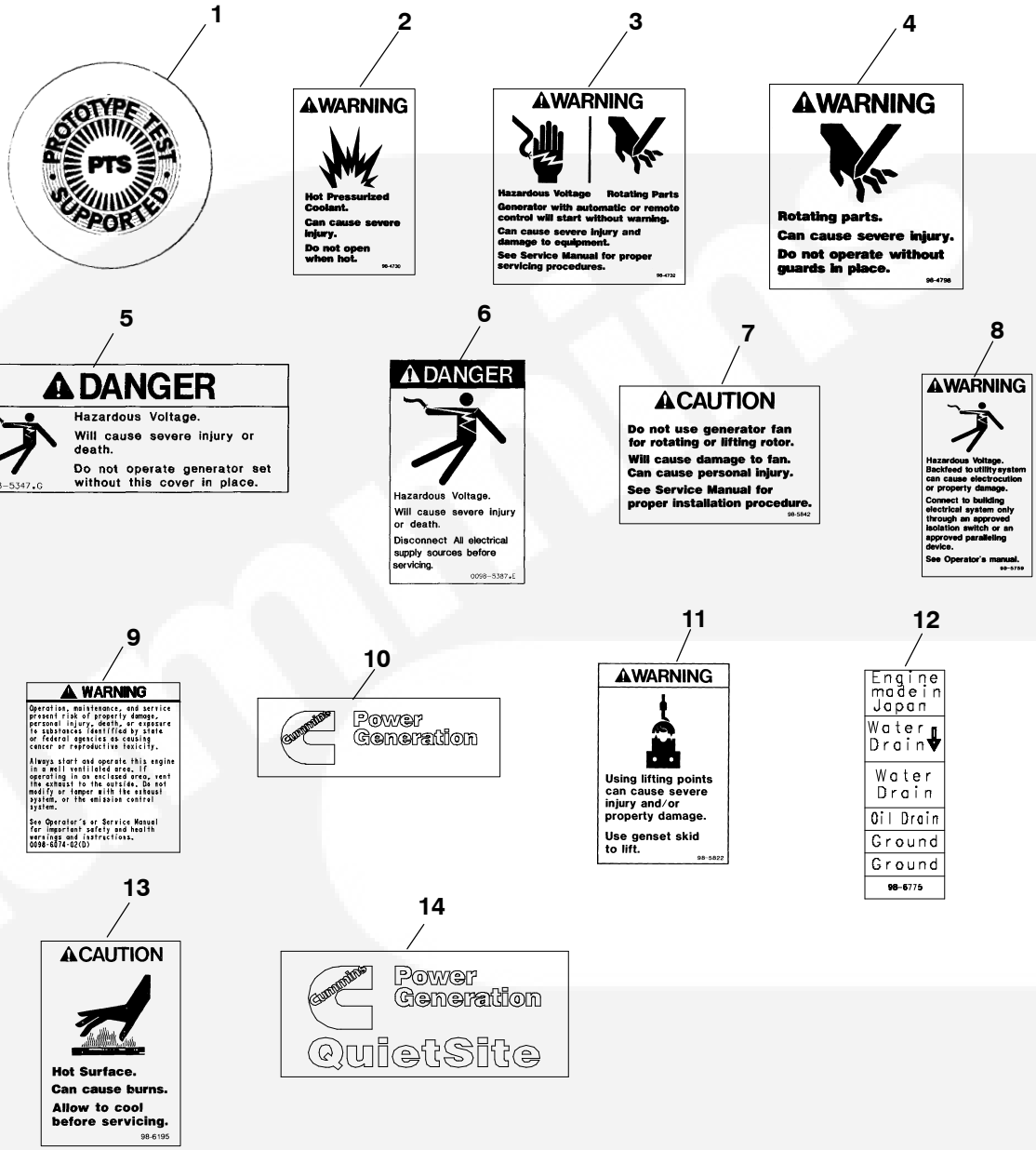
Circuit Breaker



Circuit Breaker

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Breaker, Circuit – 3 Pole (UL & IEC) (Includes Mounting Hardware)
	320–2164–03	1	1600 Amp
	320–2164–02	1	2000 Amp
	320–2164–01	1	2500 Amp
2	319–5161–02	1	Box, Circuit Breaker
3	319–5084–02	1	Panel, Terminal
4	319–5171–02	1	Cover, Circuit Breaker – Top
5	319–5088–02	1	Cover, Circuit Breaker – Bottom
6	821–6003–02	54	Screw, Hex Head (M8 x 1.25 x 20)
7			Cover, Circuit Breaker
	319–5176–04	1	Left Side Installation
	319–5176–05	1	Right Side Installation
8	319–5078–04	1	Cup, Switch
9	319–5177–02	1	Bracket, Circuit Breaker
10	232–4131	2	Spacer, Mounting Foot
11	098–8144	1	Label, Information – Service Disconnect
12	332–2744–07	2	Standoff, Insulator
13	332–2512	5	Standoff, Insulator
14	850–0050	7	Washer, Lock – Split (3/8)
15	800–0048	7	Screw, Cap – Hex Head (3/8–16 x .75)
16	332–2743–07	1	Standoff, Insulator
17	850–0060	1	Washer, Lock – Split (1/2)
18	800–0090	1	Screw, Cap – Hex Head (1/2–13 x 1.00)
19	337–3626	1	Bus, Bar – Ground
20	526–0423	2	Washer, Flat
21	851–0048–02	7	Washer, Belleville (3/8)
22	800–0050	3	Screw, Cap – Hex Head (3/8–16 x 1")
23	332–3039	7	Lug, Solderless
24	800–0028	5	Screw, Cap – Hex Head (5/16–18 x 1")
25	851–0048–01	7	Washer, Belleville (5/16)
26	862–0015	7	Nut, Hex (5/16)
27	815–0261	2	Screw, Hex Washer Head – Thread Forming (1/4–20 x .50)
28	319–5102–03	1	Stiffener, Cover
29	821–6002–04	10	Screw, Hex Head (M6 x 1 x 20)
30	337–3618	6	Bus, Bar – Breaker
31	800–0094	24	Screw, Cap – Hex Head (1/2–13 x 2)
32	851–0048–03	28	Washer, Belleville (1/2)
33	862–0005	27	Nut, Hex (1/2)
34	337–3623	1	Bus, Bar – Neutral
35	337–3624	1	Bus, Bar – Neutral
36	337–3631	2	Bus, Bar – Neutral
37	337–3625	1	Bus, Bar – Jumper
38	337–3627	1	Bus, Bar – Neutral
39	800–0052	4	Screw, Cap – Hex Head (3/8–16 x 1.5)
40			Bus, Bar – Breaker
	337–3620–02	2	Left Side Insulation
	337–3620–02	1	Right Side Insulation
41			Bus, Bar – Breaker
	337–3621–02	2	Left Side Insulation
	337–3621–02	1	Right Side Insulation
42	337–3619–01	1	Bus, Bar – Breaker
43	337–3619–02	1	Bus, Bar – Breaker
44			Bus, Bar – Breaker
	337–3620–01	1	Left Side Insulation
	337–3620–01	2	Right Side Insulation
45			Bus, Bar – Breaker
	337–3621–01	1	Left Side Insulation
	337–3621–01	2	Right Side Insulation
46	800–0093	4	Screw, Cap – Hex Head (1/2–13 x 1.75)
47	098–7701	1	Label, Neutral Disconnect
48	098–7700	1	Label, Bonding – Jumper
49	098–8149	1	Label, Information – Lug Installation
50	098–6635	1	Label, Ground
51	098–6865	1	Label, Conduit Location
52			Label, Marker (10 Characters Per Card) (Quantity Used As Required)
	098–5854–06	4	Marked "L"
	098–5854–07	1	Marked "1"
	098–5854–08	1	Marked "2"
	098–5854–09	1	Marked "3"
	098–5854–10	1	Marked "0"
53			Lead (Quantity Used As Required)
	226–4894–08	1	23"
	226–4894–02	1	18"
54	800–2114	30	Screw, Cap – Hex Head (M12 x 1.75 x 40)
55	860–2010	30	Nut, Hex (M12)
56	850–2012	30	Washer, Lock – Split (M12)
57	526–2140	30	Washer, Flat (M12)
			Accessories, Circuit Breaker:
58	320–2196–01	2	Switch – Used as a Trip Alarm or Auxiliary Contact
59	320–2196–02	1	24 Volt Shunt Trip
60	332–3949	8	Lug, Cable – Solderless
61	800–0054	16	Screw, Cap – Hex Head (3/8–16 x 2.00)
62	851–0022	16	Washer, Spring (3/8)
63	862–0003	16	Nut, Hex (3/8)
64	337–3736	1	Bus, Bar – Ground
65	800–0030	2	Screw, Cap – Hex Head (5/16–18 x 1-1/4)
66	800–2063	2	Screw, Cap – Hex Head (M8 x 50)

Labels



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	098–4500	2	Label, Prototype Tested
2	098–4730	A/R	Label, Warning
3	098–4732	1	Label, Warning
4	098–4798	3	Label, Warning
5	098–5347	A/R	Label, Danger
6	098–5387	2	Label, Danger
7	098–5842	1	Label, Caution
8	098–5759	1	Label, Warning
9	098–6074–02	1	Label, Warning
10	098–7902–03	A/R	Label, Logo
11	098–5822	2	Label, Warning
12	098–6775	1	Label
13	098–6195	A/R	Label, Caution
14	098–7913	A/R	Label, Logo
15	098–2124	1	* Tag, Caution
16	098–3171	1	* Tag, Fuel Line
17	098–3172	1	* Tag, Fuel Line
18	098–5822	8	* Label, Warning
19	098–6460	1	* Tag, Battery
20	098–7048	1	* Tag, Oil Fill
21	098–7646	1	* Tag, Battery
22	098–8204	2	* Label, Warning
23	098–8220	2	* Label, Information (White)
24	098–8445	1	* Label, Information
25	098–6118	1	* Label, Cabinet
26	098–7594–01	1	* Label, Fuel BD CONN
27	098–7594–02	1	* Label, Base BD CONN
28	098–8064	1	* Label, Information
29	098–8143	1	* Label, Information
30	098–8184	1	* Label, Instruction (Switch)
31	098–8708	1	* Label, Information

* – Item not shown

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