



Parts Manual

Generator Set

**QSK23–G3 Engine with PowerCommand[®] 3.3 or 3.3
MLD Control**

C750 D6

C750 D6 (Spec F–G)

C800 D6

C800 D6 (Spec F–G)

C825 D5

C825 D5 (Spec F–G)

C900 D5

C900 D5 (Spec F–G)

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Safety Precautions

The following symbols are used in Cummins 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

Before operating the generator set, read the manuals and become familiar with them and the equipment. Safe and efficient operation can be achieved only if the equipment is properly operated and maintained. Many accidents are caused by failure to follow fundamental rules and precautions.



Note:

It is in the Operator's interest to read and understand all Health and Safety information together with all Warnings and Cautions contained within the documentation relevant to the generator set, its operation and daily maintenance.



Improper operation and maintenance can lead to severe personal injury or loss of life and property by fire, electrocution, mechanical breakdown or exhaust gas asphyxiation. Read and follow all safety precautions in the health and safety manual 0908–0110.



Service and repair of Cummins equipment must be performed by trained, experienced personnel only. Improper service, repair or replacement of parts may result in damage to equipment & property, 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!

About This Manual

This manual applies to the generator models C750 D6 – C900 D5. Parts illustrations are arranged in groups relating to their position and function on the generator set. Each part illustrated is identified by a reference number corresponding to the list of part numbers in the accompanying table.

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

Cummins Generator Model	Cummins Engine Model
C750 D6	QSK23-G3
C800 D6	QSK23-G3
C825 D5	QSK23-G3
C900 D5	QSK23-G3

Quick Serve Online (QSOL)

Documentation and operator manuals pertaining to the generator set are available on QuickServe Online.

QuickServe Online: <https://quickserve.cummins.com/info/index.html>

The information contained within this manual is based on information available at the time of going to print. In line with Cummins policy of continuous development and improvement, information may change at any time without notice. Obtain the most up to date version available on QuickServe Online or contact your authorized distributor for assistance.

Related Literature

The related literature that is appropriate to your generator set includes:


- Operator Manual for QSK23–G3 with PowerCommand 3.3 (A045E611)
- Operator Manual for QSK23–G3 with PowerCommand 3.3 MLD (A045E652)
- Installation Manual for QSK23–G3 with PowerCommand 3.3 or 3.3 MLD (A045E599)
- Generator Set Service Manual for QSK23–G3 with PowerCommand 3.3 or 3.3 MLD (A045L346)
- Recommended Spares List (RSL) for C750 D6 and C750 D6 (Spec F–G) (A050F729)
- Recommended Spares List (RSL) for C825 D5 and C825 D5 (Spec F–G) (A050F730)
- Recommended Spares List (RSL) for C800 D6 and C800 D6 (Spec F–G) (A050F731)
- Recommended Spares List (RSL) for C900 D5 and C900 D5 (Spec F–G) (A050F732)
- Standard Repair Times – ET Family (A030M221)
- Service Tool Manual (A043D529)
- Failure Code Manual (F1115C)
- Application Manual T–030, *Liquid Cooled Generator Sets* – for application information (A040S369)
- Engine Operation & Maintenance Manual for QSK23 (4021374)
- Warranty Manual (A040W374)
- Global Commercial Warranty Statement (A028U870)

If further information is required, contact your authorized distributor.


Model Identification

This manual covers generator set models produced under the Cummins brand.

To avoid errors or delay in filling your parts order, always state the MODEL and SERIAL NUMBER from the Cummins nameplate.

 <p>Manston Park, Columbus Avenue, Ramsgate, Kent, England, CT12 5BF</p>				
Generating set ISO 8528				
Model Number	—			
Serial Number	—			
Manufacturing Order Number	—			
Year of Manufacture	—			
Generating set max mass - wet (kg)	—			
Controller	—			

Declared rating	ESP	DCC	—	—
Rated power (kVA)	—	—	—	—
Rated power (kW)	—	—	—	—
Rated current (A)	—	—	—	—
Rated voltage (V)	—	—	—	—
Rated frequency (Hz)	—	—	—	—
Rated power factor	—	—	—	—

	
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The engine serial number is located on a data tag on the engine or is stamped on the engine block.

The control software number is located on the electronic control module (ECM) or can be obtained via the digital interface if one is available.

For reference document your generator set information in the spaces below.

Generator Set Model Number: _____

Generator Set Serial Number: _____

Generator Spec Letter: _____

Engine Serial Number: _____

Digital Control Software: _____

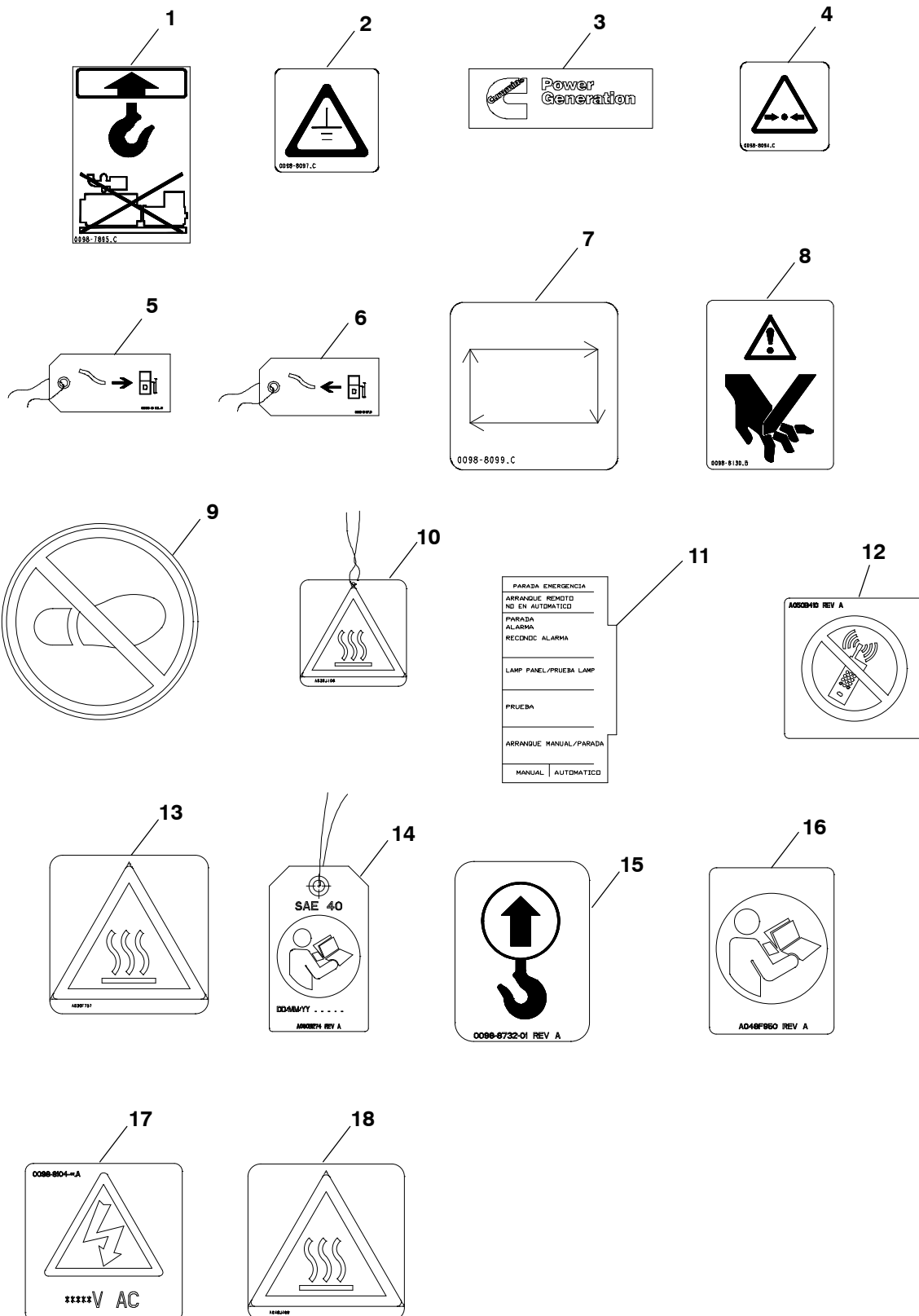
Abbreviations

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

AC	Alternating Current	LED	Light-Emitting Diode
ACB	Air Circuit Breaker	LTP	Limited Time Power Rating
ACH	Anti-Condensations Heaters	LTA	Low Temperature Aftercooling
ATS	Automatic Transfer Switch	LV	Low Voltage
Amp	Ampere	M	Meter
A/R	As Required	MCB	Miniature Circuit Breaker
AVR	Automatic Voltage Regulator	MCCB	Moulded Case Circuit Breaker
AWG	American Wire Gauge	MF	Mains Failed
BHP	Brake Horsepower	MFSS	Master First Start Sensor
BMS	Building Measurement System	mm	Millimeter
BST	Busbar Sensing Transformer	MOH	Mobile Off Highway
CAN	Controlled Area Network	MR	Mains Returned
CB	Circuit Breaker	MST	Mains Sensing Transformer
CCA	Cold Cranking Amps	MSU	Mains Sensing Unit
CHP	Combined Heat and Power	MV	Medium Voltage
COP	Continuous Power Rating	NEC	Neutral Earthing Contact
CT	Current Transformer	NFS	Not For Sale
		NPT	National Pipe Thread
dB(A)	Unit of noise level	OD	Outside Diameter
DC	Direct Current	oz.	Ounce
Deg	Degree	PC	PowerCommand 3.3
DIP	Dual In-line Package	PC	Printed Circuit
DMC	Digital Master Control	PF	Power Factor
DMSU	Demand Load Standby Unit	Ph	Phase
ECM	Engine Control Module	PFC	Power Factor Controller
EFC	Electronic Fuel Control	PLC	Programmable Logic Controller
EIT	External/Internal Tooth	PMG	Permanent Magnet Generator
EMCU	Engine Monitoring and Control Unit	PRP	Prime Power Rating
EMF	Electromotive Force	PSU	Power Supply Unit
EPROM	Erasable Programmable Read Only Memory	PT/CT	Potential Transformer/Current Transformer
EPU	Engine Protection Unit	PTC	Power Transfer Control
ET	External Tooth	QCC	Quadrature Current Control
FAE	Full Authority Engine	RFI	Radio Frequency Interference
FSS	First Start Sensor	RMS	Root Mean Square
GCP	Generator Control Panel	RPM	Revolutions Per Minute
GFI	Ground Fault Interrupter	RT	Right
GKWT	Global Kilowatt Transducer	RTD	Resistance Temperature Detector
HMI	Human/Machine Interface	Spec	Specification
HV	High Voltage	Thk	Thick
IC	Integrated Circuit	UL	Underwriters Laboratories Inc.
ID	Inside Diameter	UNC	Union National Coarse
IEC	International Electrotechnical Commission	UNF	Union National Fine
I/O	Input / Output	V	Volts
IT	Internal Tooth	VAC	Volts, Alternating Current
kVA	Apparent Power	VCB	Vacuum Circuit Breaker
kVAR	Reactive Power	VDC	Volts, Direct Current
kW	Active / Real Power (Kilowatt)	VF	Volt-free
kWh	Unit of electrical energy or work	VT	Voltage Transformer
LPG	Liquid Petroleum Gas	W/(ET, IT, EIT)	With
LT	Left		

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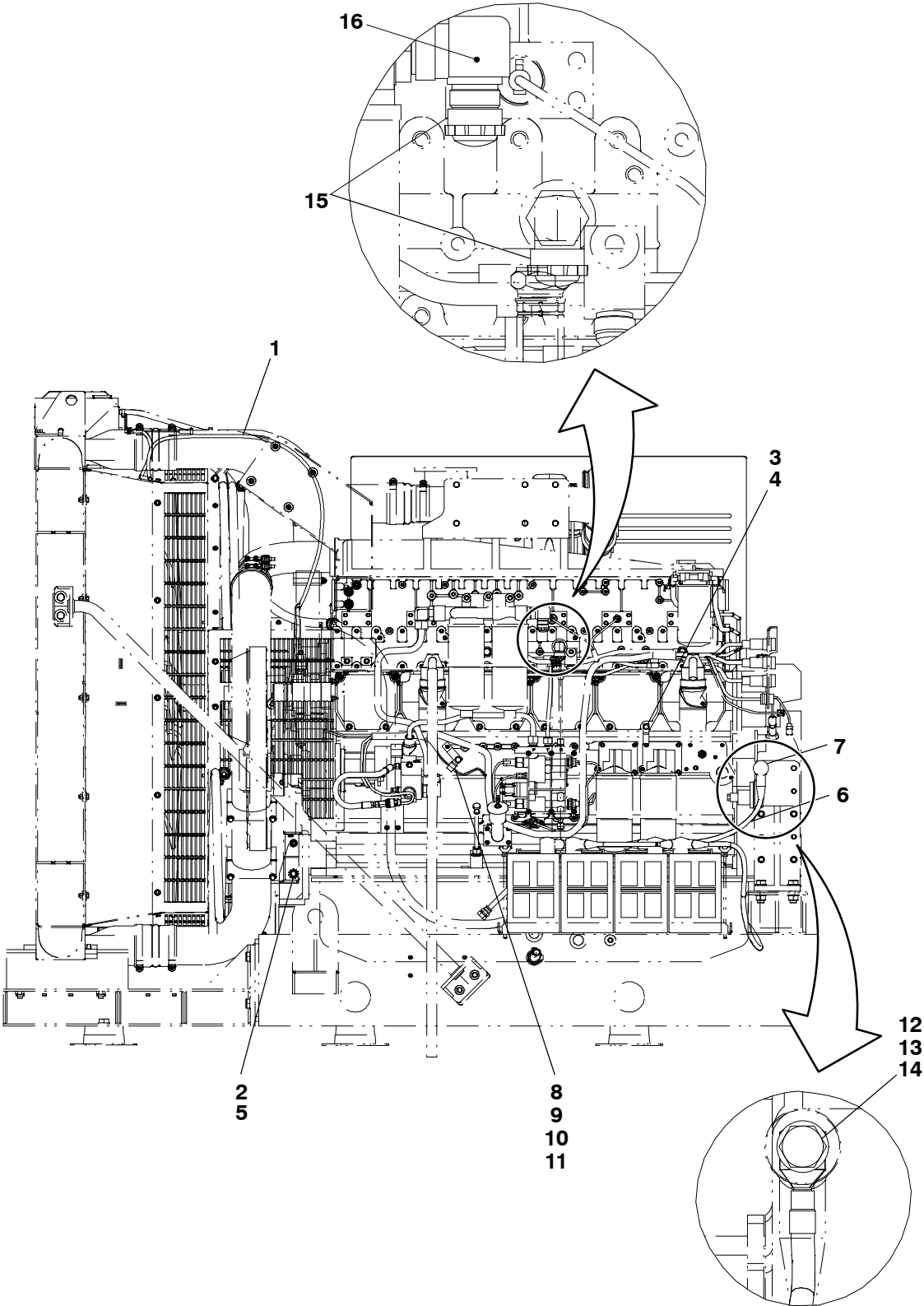
Labels



Labels

Item	Part No.	Description	Qty
1	0098-7895	Label, Warning (Do Not Lift)	6
2	0098-8097	Label, Information (Earth / Ground)	1
3	0098-7902-03	Label, Logo	2
4	0098-8094	Label, Warning (Pressurized Liquid)	4
5	0098-8103	Label, Fuel Out	1
6	0098-8102	Label, Fuel In	1
7	0098-8099	Label, Danger	1
8	0098-8130	Label, Caution	4
9	A030F080	Label, Warning	4
10	A030J109	Label, Warning	1
11		Label, Panel Insert	
	0098-7883-01	Portugese	1
	0098-7883-02	French	1
	0098-7883-03	Spanish	1
	0098-7883-04	Dutch	1
	0098-7883-05	German	1
	0098-7883-06	Danish	1
	0098-7883-07	Swedish	1
	0098-7883-08	Italian	1
	0098-7883-09	Czech	1
	0098-7883-10	Finnish	1
12	A050B410	Label, Caution	1
13	A030F757	Label, Warning	6
14	A050B274	Label, Information	1
15	0098-8732-01	Label, Information	4
16	A048F950	Label, Warning	2
17	0098-8104-05	Label, Warning	2
18	A048J466	Label, Warning	1

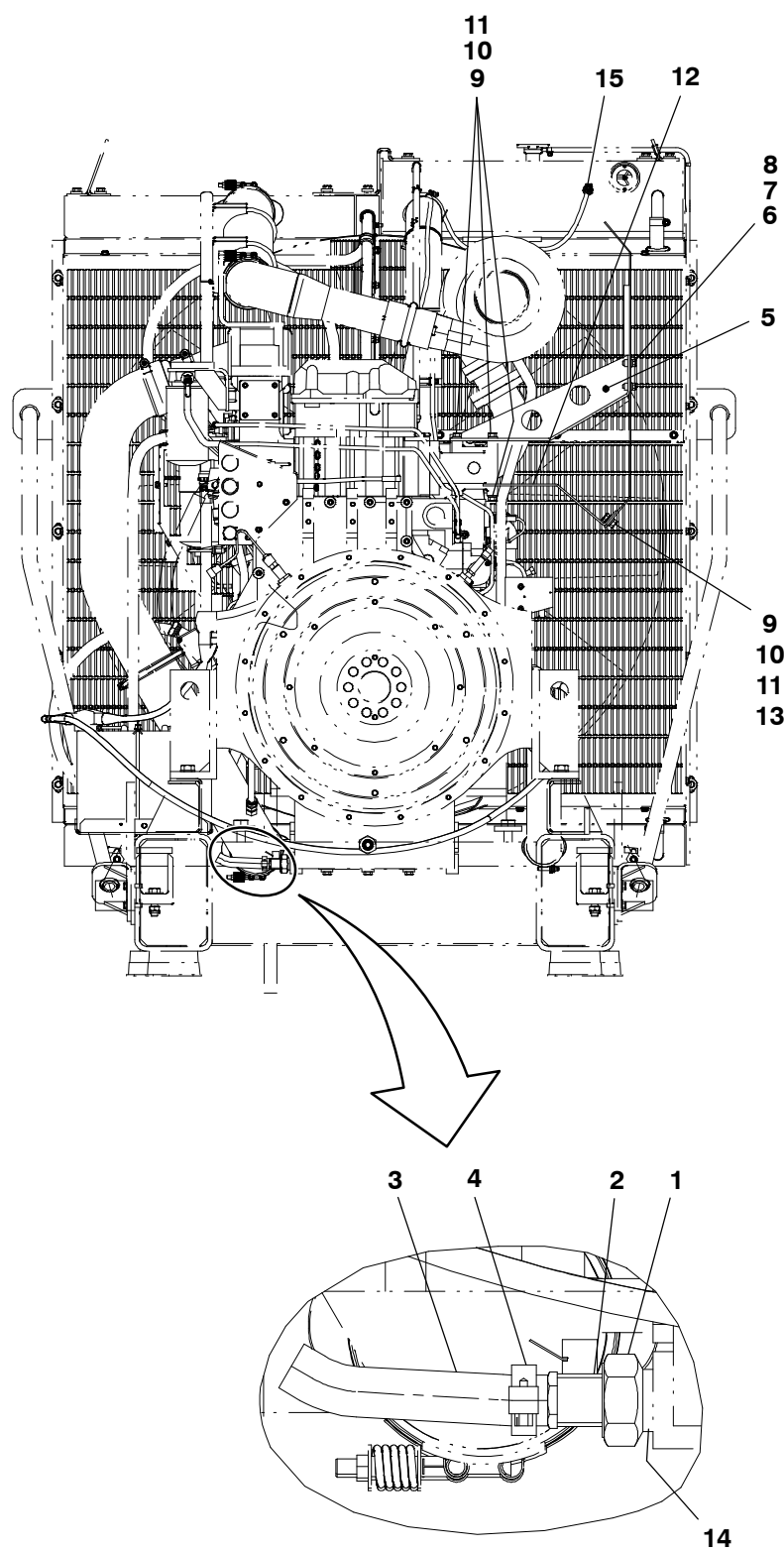
Engine
Engine Accessories (Illustration #1)



Engine Accessories (Illustration #1)

Item	Part No.	Description	Qty
	A051J626	Engine	
1	0338-3938	Harness, LCL	1
2	0800-3017-52	Screw, Hex Head	1
3	0518-0704	Clamp	4
4	0821-5004-02	Screw, Hex Head	4
5	0856-0013	Washer, Lock	1
6	A046E050	Cable, Electrical	1
7	0416-1141	Clamp, Battery	4
8	0332-2921	Clamp, J	2
9	0800-3017-40	Screw, Hex Head	2
10	0526-2122	Washer, Flat	4
11	0862-0026-56	Nut, Hex	2
12	0526-0399-68	Washer, Flat	1
13	A046E048	Washer, Lock	1
14	A045Z539	Screw, Hex Head	1
15	0517-0407-09	Plug, Hole	2
16	0501-0816	Line, Fuel	1

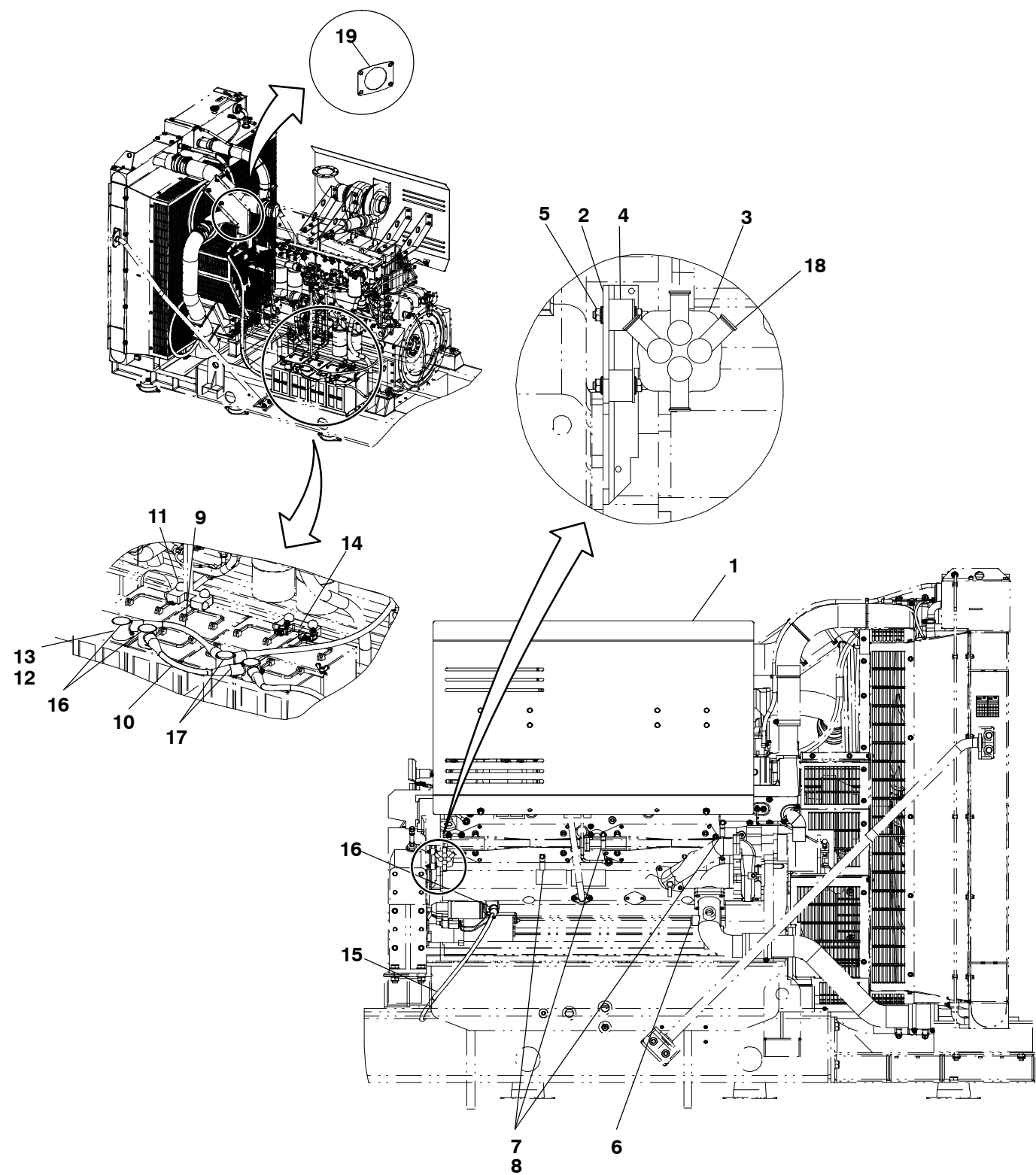
Engine Accessories (Illustration #2)



Engine Accessories (Illustration #2)

Item	Part No.	Description	Qty
1	0502-1479	Adapter, Pipe	1
2	0504-0251	Valve, Ball	1
3	0503-2386	Hose, Coolant	1.2M
4	05030398	Clamp, Hose	1
5	0155-3723-02	Bracket, Heat Shield	4
6		Washer, Flat	8
	0526-2400-58	Up to Spec F	
	0526-0399-62	Begin Spec G	
7	0850-0114-55	Washer, Lock	8
8		Screw, Hex Head	8
	0800-3017-37	Up to (Spec F)	
	0800-6494-44	Begin (Spec G)	
9		Screw, Hex Head	8
	0800-3017-53	Up to (Spec F)	
	0800-6494-60	Begin (Spec G)	
10	0850-0114-56	Washer, Lock	12
11		Washer, Flat	14
	0526-0399-64	Up to (Spec F)	
	0526-2400-61	Begin (Spec G)	
12	0155-4212-02	Bracket	2
13	0860-2010	Nut	2
14	05090353	Seal, O Ring	1
15	A035K363	Sender, Low Coolant	1

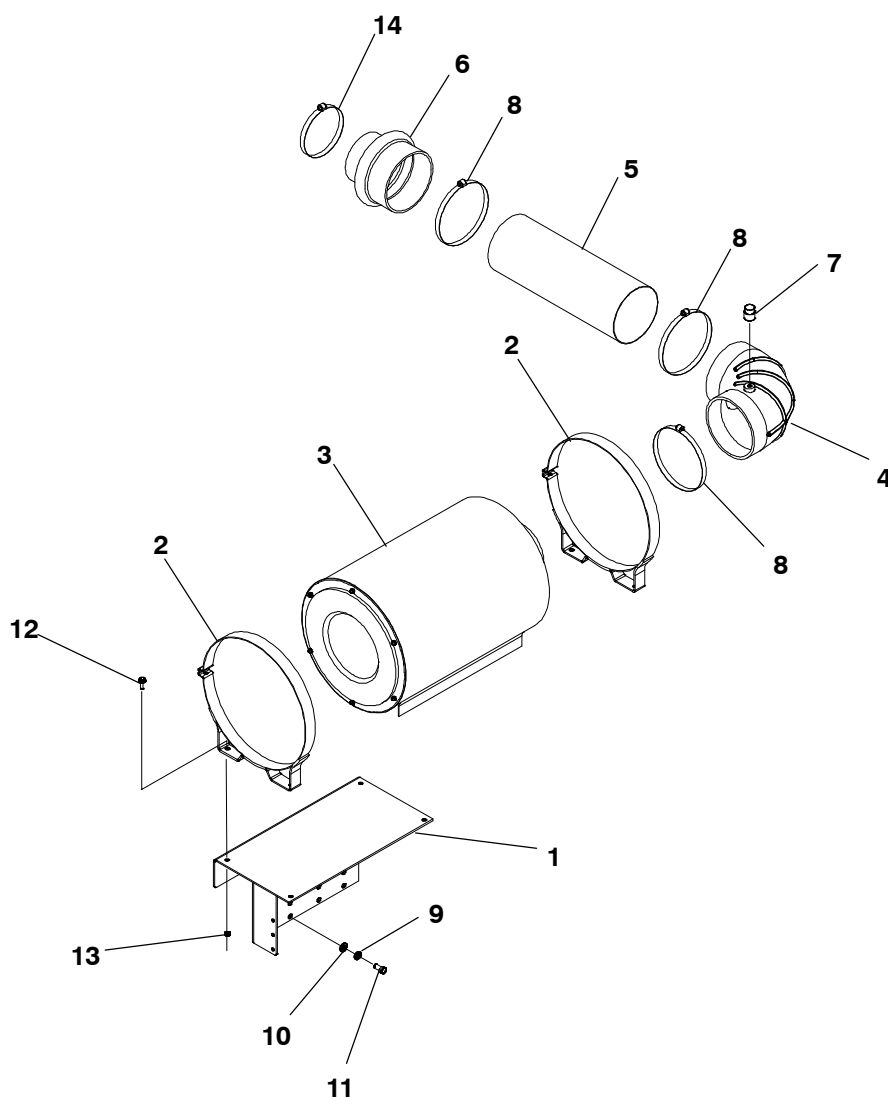
Engine Accessories (Illustration #3)



Engine Accessories (Illustration #3)

Item	Part No.	Description	Qty
1	0155-3724-02	Shield, Heat	1
2	0319-2236	Bracket, Solenoid	1
3	0307-2621-02	Relay, Solenoid Start	1
4	0402-0729	Isolator, Vibration	2
5		Nut, Flange Lock	4
	0870-2054	Up to (Spec F)	
	A056U272	Begin (Spec G)	
6	0505-1492-02	Plug, Pipe	1
7	0518-0704	Clamp	4
8		Screw, Hex Head	4
	0821-5004-02	Up to (Spec F)	
	A056U160	Begin (Spec G)	
9	0416-1200	Cable, Jumper	1
10	0416-1201	Cable, Jumper	1
11	0416-1202	Shield, Battery	2
12		Clamp, Battery	4
	0416-1203	Up to (Spec F)	
	A056U119	Begin (Spec G)	
13		Clamp, Battery	4
	0416-1204	Up to (Spec F)	
	A056U125	Begin (Spec G)	
14	0416-1195	Clamp, Jumper	2
15	0416-1222	Cable, Electrical	1
16	0416-1141	Clamp, Battery	4
17	0416-1142	Clamp, Battery	2
18		Boot, Insulation	4
	0332-3985	Up to (Spec F)	
	A057M072	Begin (Spec G)	
19	A045K801	Gasket	1

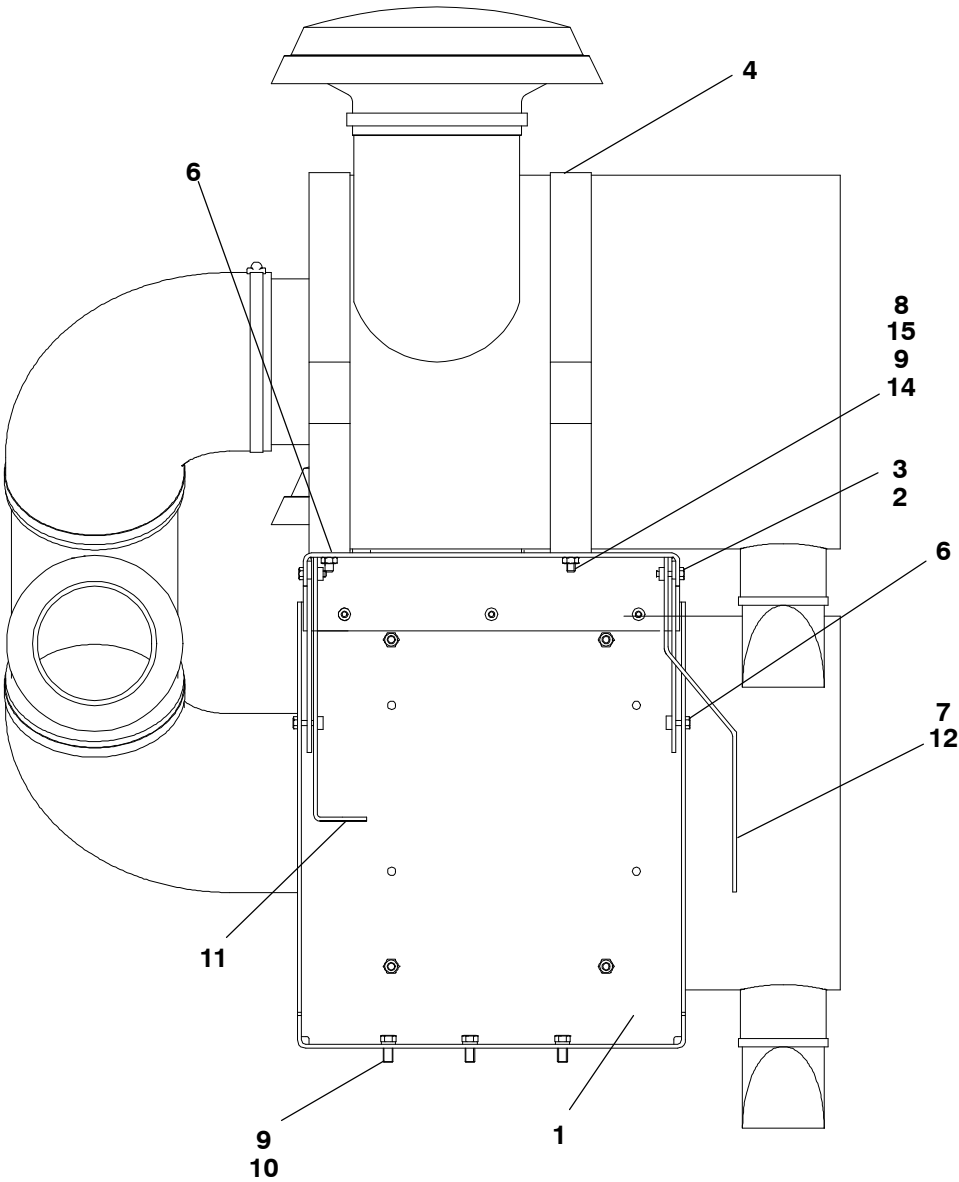
Air Cleaner – Normal Duty



Item	Part No.	Description	Qty
1	140-3739-02	Bracket, Air Cleaner	1
2	140-2052	Band, Mounting – 16" Dia.	2
3	140-3737	Housing, Air Cleaner (Replacement Element – Nelson P/N: AF2559300)	1
4	503-0970-01	Elbow	1
5	140-3741-02	Tube, Air Cleaner	1
6	503-1675	Hose, Reducer	1
7	140-1548	Indicator, Service	1
8	503-1870-14	Clamp, Hose	3
9	526-0219	Washer, Flat (1/2)	6
10	850-0060	Washer, Lock – Split (1/2)	6
11	800-2111	Screw, Cap – Hex Head (M12 x 1.75 x 25)	6
12	821-5004-03	Screw, Hex Head (3/8 x 16)	4
13	870-0550-09	Nut, Hex (3/8-16)	4
14	503-1870-11	Clamp, Hose	1

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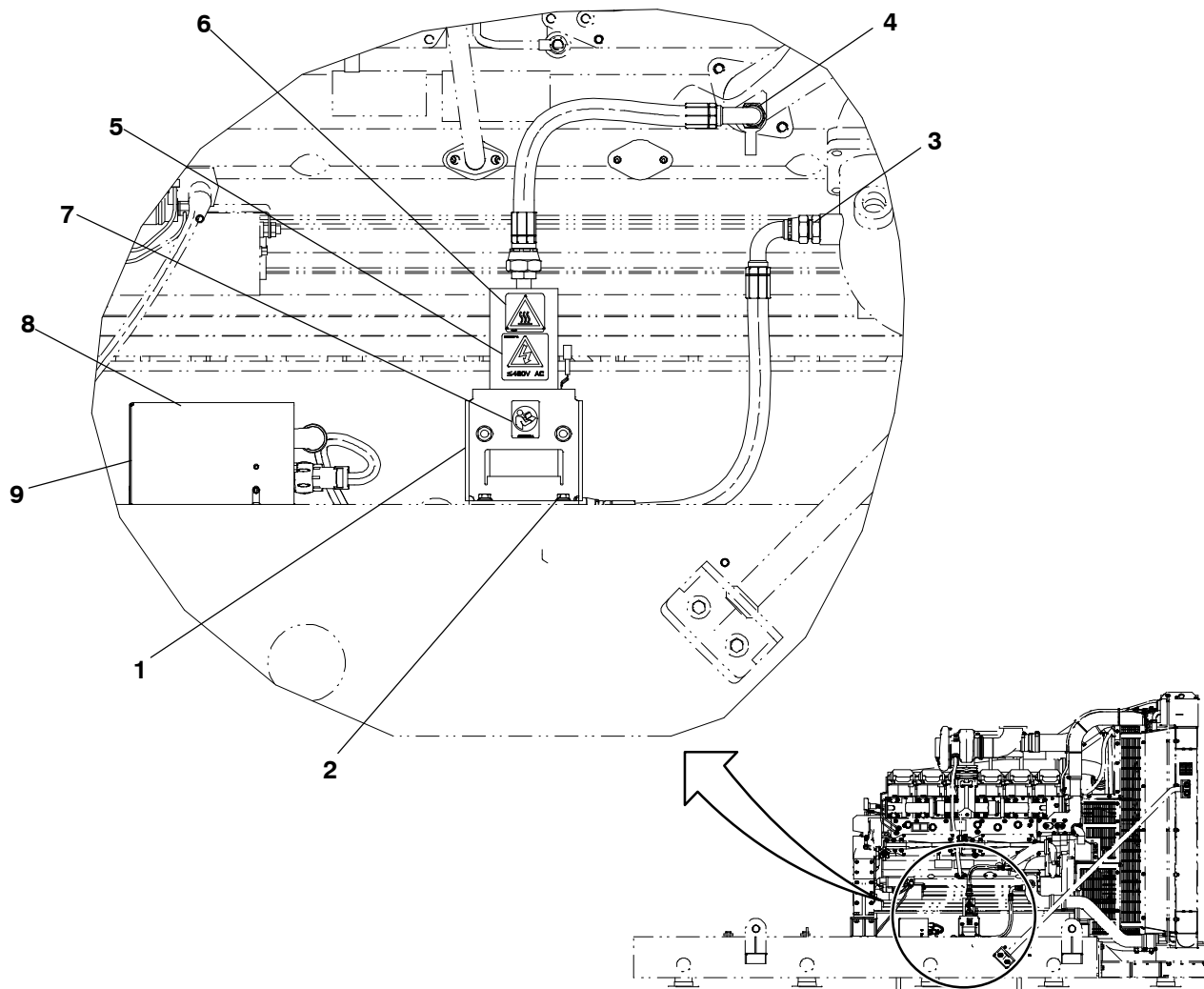
Air Cleaner – Heavy Duty



Air Cleaner – Heavy Duty

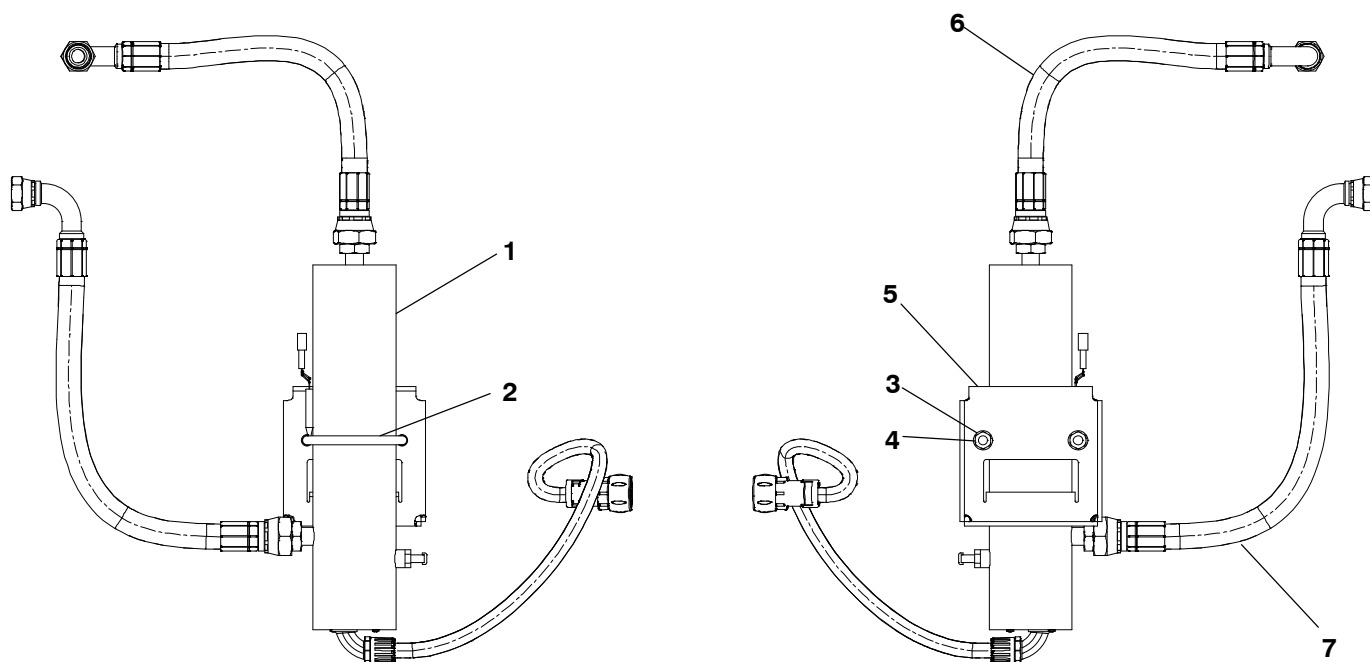
Item	Part No.	Description	Qty
1	140-3464-02	Bracket, Air Filter	1
2	140-4108-02	Bracket, Air Filter	1
3	140-3468-02	Bracket, Air Filter	2
4	0541-1193-01	Kit, Air Filter – Kit-A (Includes Parts Marked *)	1
5	140-3529-02	Tube, Air	1
6	0821-6003-02	Screw, Hex Head	9
7	0821-6004-02	Screw, Hex Head	2
8	0862-0026-57	Nut, Hex	8
9	0850-0114-56	Washer, Lock	11
10	0800-3017-53	Screw, Hex Head	3
11	140-3886-02	Bracket, Air Filter	1
12	140-3885-02	Bracket, Air Filter	1
13	140-3692	Indicator, Service	2
14	0526-0399-64	Washer, Flat	16
15		Screw, Hex Head	8
	0800-3017-54	Up to (Spec F)	
	0800-6494-61	Begin (Spec G)	
	0140-3684-03	*Clamp, Air Cleaner (6" Minimum)	1
	0140-3684-06	*Clamp, Air Cleaner (7-1/2" Minimum)	1
	0140-3684-08	*Clamp, Air Cleaner (8-1/2" Minimum)	4
	0503-2455	*Elbow (90° x 8" I.D.)	2
		*Hose, Reducer	1
	0503-1675	Up to (Spec F)	1
	A056L120	Begin (Spec G)	1
	0140-3370	*Cover, Air Cleaner (10")	2
	0140-3357	*Band, Mounting (18" Dia.)	4
	0140-3230	*Cleaner, Air	2
		Primary Element	
		Nelson: 70781N	
		Fleetguard: AF25544	
		Safety Element	
		Nelson: 70782N	
		Fleetguard: AF25545	

Coolant Heater



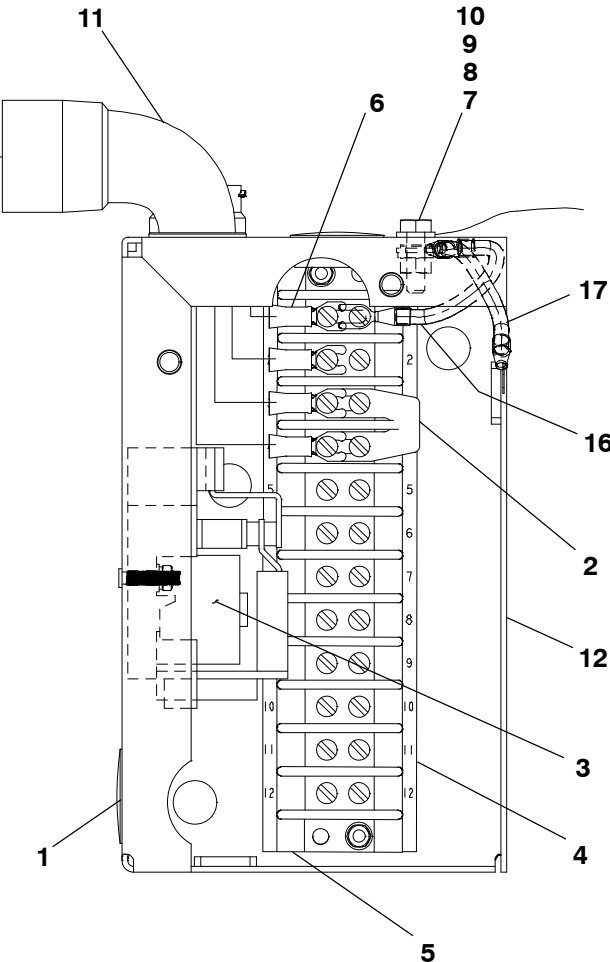
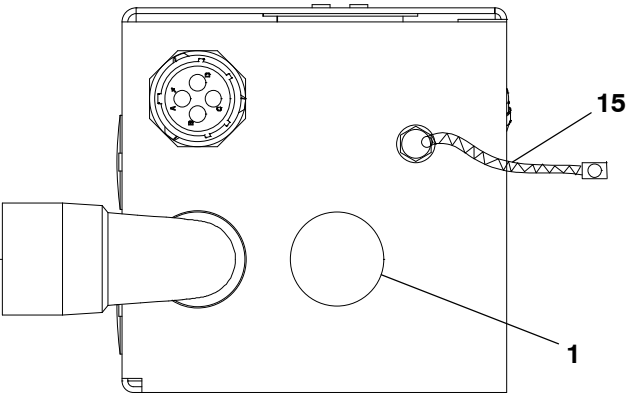
Item	Part No.	Description	Qty
1		Kit, Coolant Heater (See Page 21 for Components)	
	A052B565	5 Kw	1
	A052B567	6.5 Kw	1
2	0821-6003-02	Screw, Hex Head	2
3	0502-1623-02	Adapter, Tube	1
4	A050R152	Adapter, Engine	1
5	0098-5347	Label, Danger	2
6	0098-6195	Label, Caution	2
7	A048F950	Label, Warning	1
8	A047Y873	Control, Heater (See Page 23 for Components)	1
9	0319-2815	Cover, Terminal Box	1

Coolant Heater Kit



Item	Part No.	Description	Qty
1		Heater, Coolant	
	A051Y937	5 Kw	1
	A051Y939	6.5 Kw	1
2	0155-3451	Clamp	1
3	0526-0399-62	Washer, Flat	2
4	0862-0026-56	Nut, Hex	2
5	0130-4546-01	Bracket, Heater	1
6	A051Y602	Hose, Coolant	1
7	A051Y603	Hose, Coolant	1

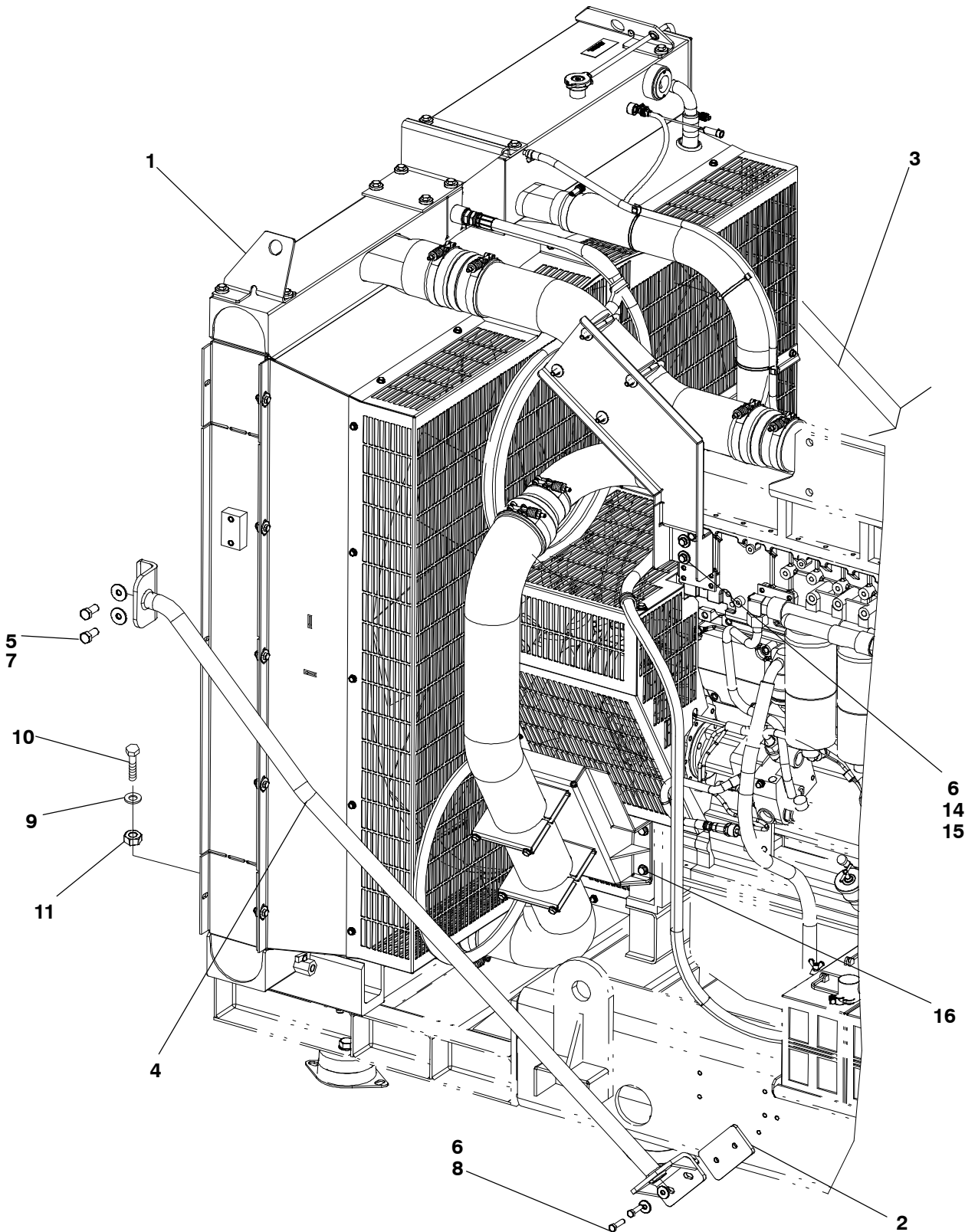
Coolant Heater Control



Coolant Heater Control

Item	Part No.	Description	Qty
1	0517-0138-02	Plug, Hole	3
2	0332-3440	Jumper, Terminal	1
3	0307-2859	Relay, Power	1
4	0332-1469	Strip, Marker	1
5	0332-1468	Block, Terminal	1
6	0332-3224	Terminal, Spade	4
7	0800-3017-04	Screw, Hex Head	1
8	0862-0026-54	Nut, Hex	1
9	0850-0114-53	Washer, Lock	1
10	0526-0399-58	Washer, Flat	2
11	A047Y883	Harness, Wiring (DC)	1
12	A052C769	Box, Terminal	1
13	0226-4708-01	Lead, Electrical (Not Illustrated)	1
14	0226-4708-02	Lead, Electrical (Not Illustrated)	1
15	0337-3582-06	Conductor, Electrical	1
16	A049T715	Strap, Electrical	1
17	A049T723	Strap, Electrical	1

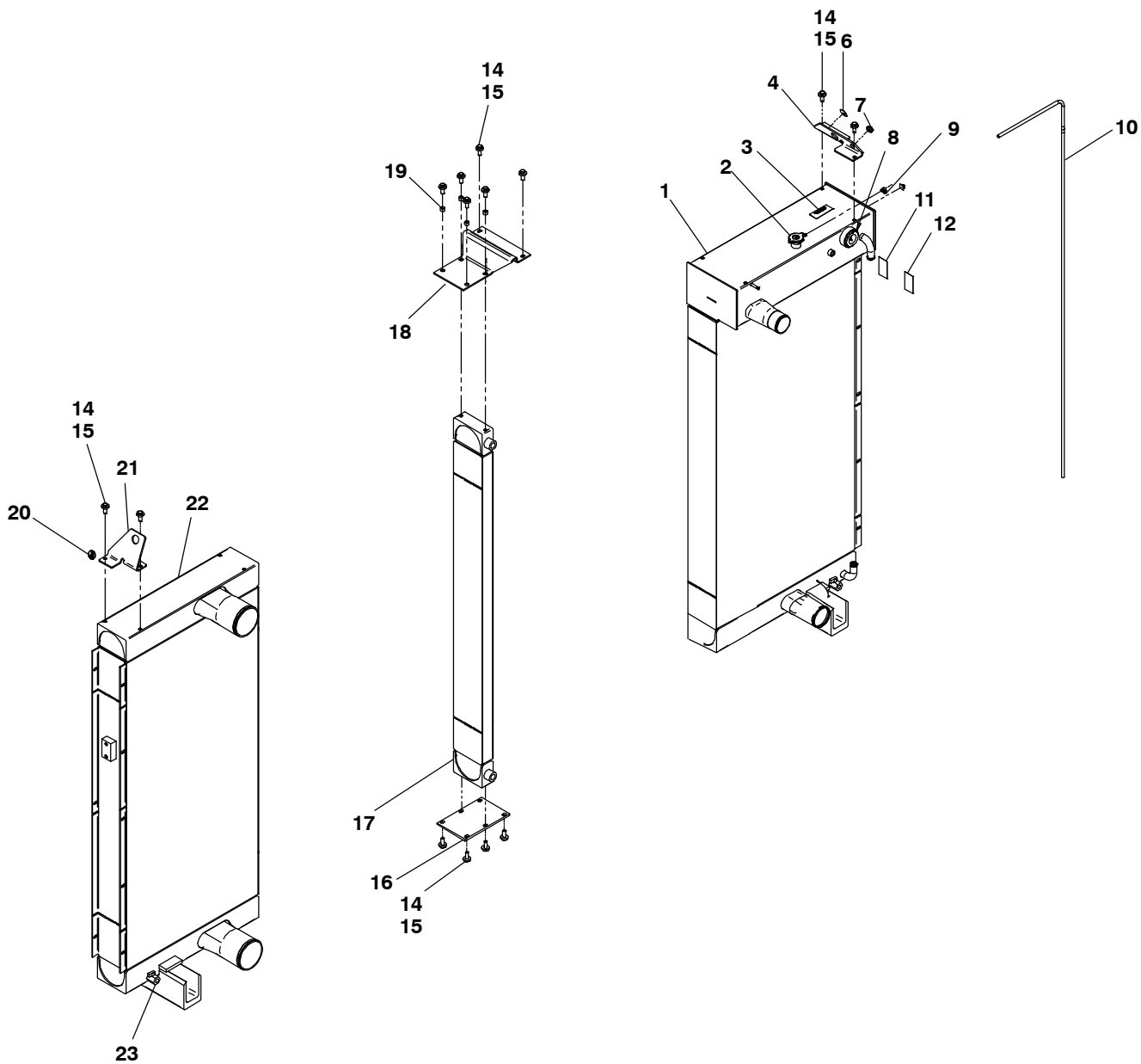
Radiator



Radiator

Item	Part No.	Description	Qty
	A064B172	Kit, Spare Parts (Includes Indented Parts)	1
	A045C330	Hose	2
	A045C331	Hose	1
	A045C332	Hose	1
	A045C333	Clamp, Hose	4
	A045C358	Clamp, Hose	1
	A045C362	Clamp, Hose	4
	A045C593	Clamp, Hose	2
	A045C609	Hose	2
	A045C614	Hose	1
	A045S652	Clamp, Hose	4
	A046N092	Hose	2
1	A052H783	Radiator (See Pages 27 to 31 for Components)	1
2	A045B213	Plate, Support	2
3	A044K263	Brace, Radiator	1
4	A044K264	Brace, Radiator	1
5		Washer, Flat	4
	0526-0399-65	Up to (Spec F)	
	0526-2400-63	Begin (Spec G)	4
6		Washer, Flat	7
	0526-0399-63	Up to (Spec F)	
	0526-2400-60	Begin (Spec G)	7
7		Screw, Hex Head	4
	0800-3017-55	Up to (Spec F)	
	0800-6494-62	Begin (Spec G)	4
8		Screw, Hex Head	4
	0800-3017-40	Up to (Spec F)	
	0800-6494-47	Begin (Spec G)	4
9		Washer, Flat	8
	0526-0399-67	Up to (Spec F)	
	0526-2400-69	Begin (Spec G)	8
10	0800-3017-78	Screw, Hex Head	4
11	0870-2248-08	Nut, Lock	4
12	0526-0399-64	Washer, Flat	6
13		Screw, Hex Head	6
	0800-0095	Up to (Spec F)	
	0800-6622-54	Begin (Spec G)	6
14	0850-0114-55	Washer, Lock	3
15	0800-3017-37	Screw, Hex Head	3
16		Screw, Flange Head Lock	2
	0821-2076	Up to (Spec F)	
	0800-6526-60	Begin (Spec G)	2

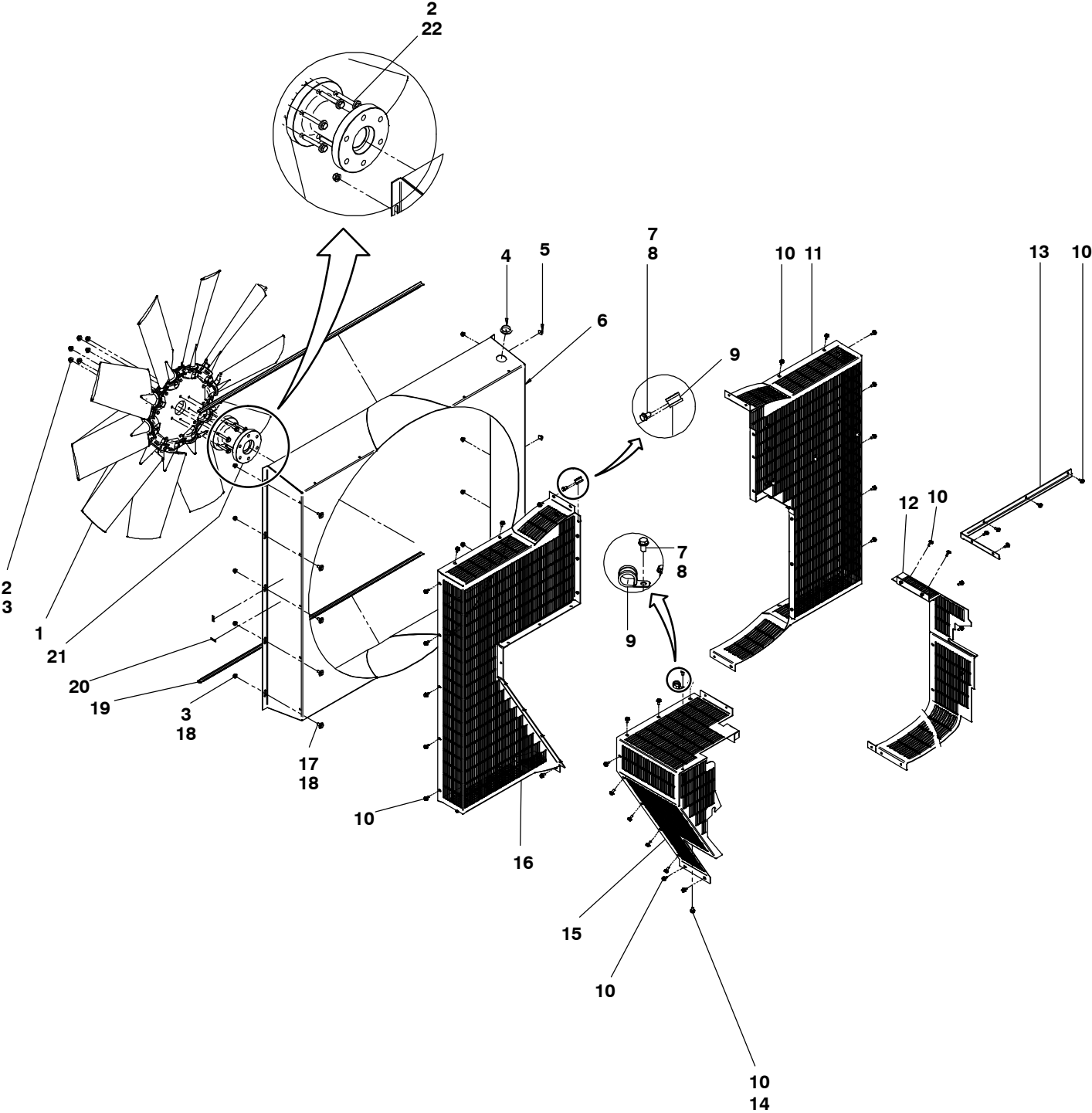
Radiator – Core



Radiator – Core

Item	Part No.	Description	Qty
1	A045C388	Radiator	1
2	A045C566	Cap, Filler Neck	1
3	A045C600	Label, Instruction	1
4	A045C559	Lifting Eye	1
5	A046B671	Screw, Hex Head (M12 x 35)	2
6	A045C607	Label	1
7	A045C339	Grommet	1
8	A045C565	Glass, Sight	1
9	A045C594	Clamp, Hose	1
10	A045C612	Hose	1
11	A045C606	Label, Instruction	1
12	A045C601	Label, Identification	1
13	A045C349	Gauge, Level	1
14	A046B671	Screw, Hex Head (M12 x 35)	16
15	A045S654	Washer	16
16	A045C553	Plate, Joining	1
17	A045C387	Cooler, Fuel	1
18	A045C557	Plate, Joining	1
19	A045C608	Spacer, Sleeve	4
20	A045C607	Label	2
21	A045C558	Lifting Eye	1
22	A045C389	Cooler, Charge Air	1
23	A045C562	Valve, Ball	2

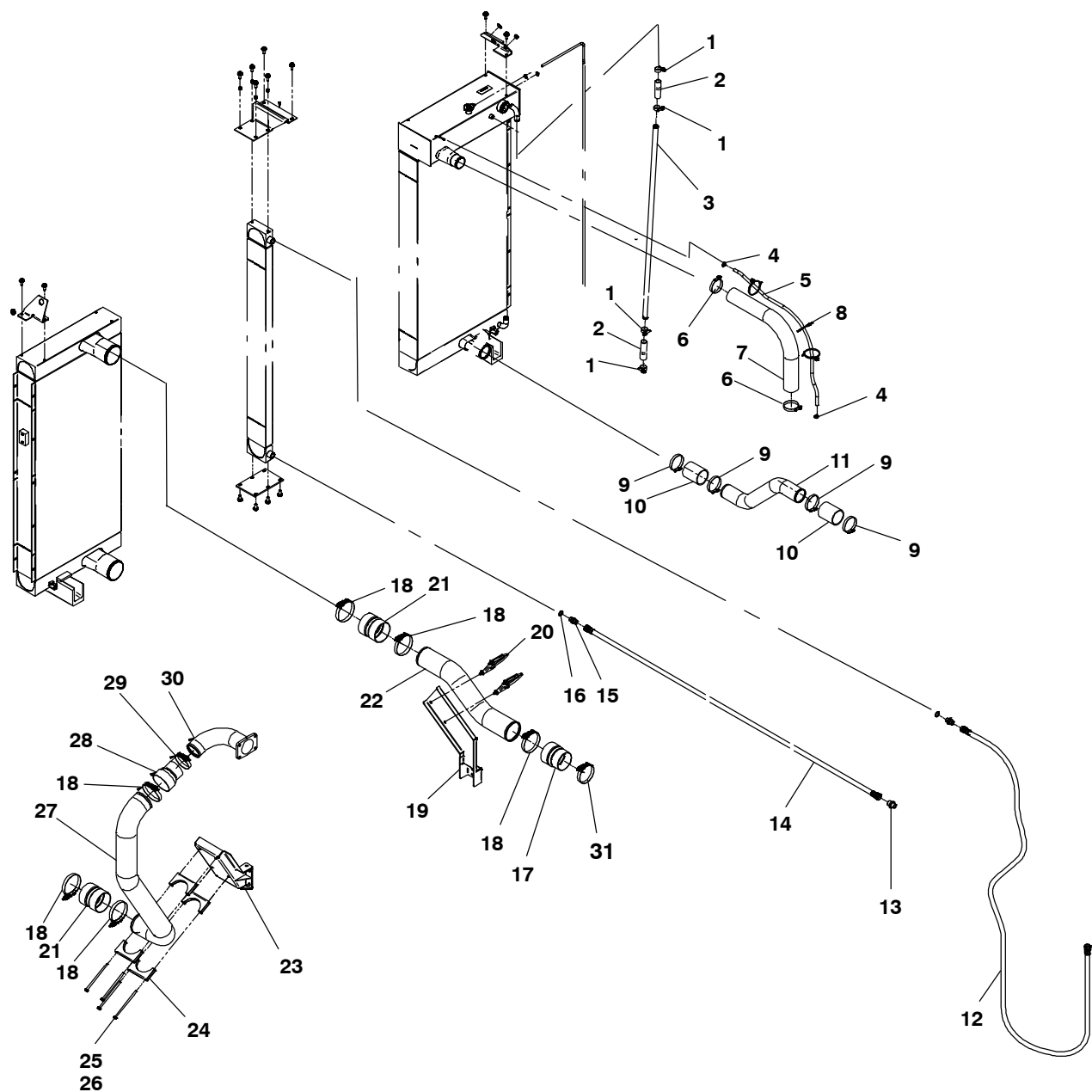
Radiator – Fan Guard



Radiator – Fan Guard

Item	Part No.	Description	Qty
1	A045C560	Fan	1
2	A045C590	Washer	12
3	0862–0026–76	Nut, Hex (M10)	16
4	A045C334	Grommet	2
5	A045C314	Clip, Hose	4
6	A045C546	Fan, Cowl	1
7	800–3017–36	Screw, Hex (M10 x 20)	2
8	526–0399–62	Washer	6
9	A045C317	P–Clip	2
10	A046B669	Screw (M8 x 20)	46
11	A045C548	Guard, Fan	1
12	A045C550	Guard, Belt	1
13	A045C551	Bracket	1
14	562–0399–61	Washer	1
15	A052H790	Guard, Belt	1
16	A045C547	Guard, Fan	1
17	800–3017–37	Screw, Hex Head (M10 x 25)	10
18	526–0399–63	Washer	20
19	A045C617	Ring, Sealing	2
20	A045C597	Label	2
21	A045C561	Spacer, Fan	1
22	800–3017–46	Screw, Hex Head (M10 x 70)	6

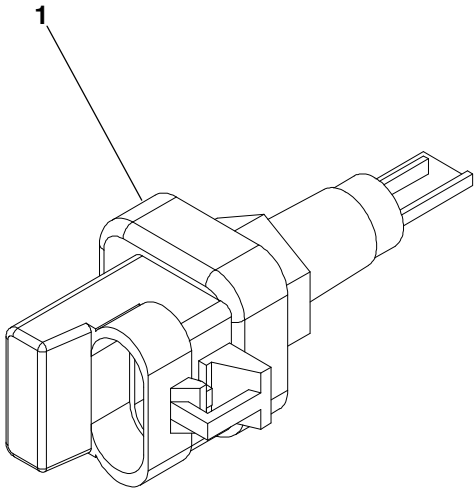
Radiator – Hoses



Radiator – Hoses

Item	Part No.	Description	Qty
1	A045C343	Clamp, Hose	4
2	A045C609	Hose	2
3	A045C385	Pipe	1
4	A045C593	Clamp, Hose	2
5	A045C614	Hose	1
6	A045C341	Clamp, Hose	2
7	A045C324	Hose (Formed)	1
8	A045C319	Clip, Pipe Assy	3
9	A045S652	Clamp, Hose	4
10	A046N092	Hose	2
11	A046P165	Hose (Formed)	1
12	A045C352	Hose, Fuel	1
13	A045F720	Adapter (3/4" NPT)	1
14	A045C355	Hose, Fuel	1
15	A045E697	Adapter (3/4" BSP)	2
16	A045R389	Ring, Seal	2
17	A045C331	Hose, Convoluted	1
18	A045C362	Clamp, Hose (T-bolt)	6
19	A045C555	Bracket	1
20	A045C363	Clamp Assy	2
21	A045C330	Hose, Convoluted	2
22	A045C326	Hose (Formed)	1
23	A045C554	Bracket	1
24	A045R397	Saddle	4
25	526-0399-62	Washer	6
26	A045R385	Screw, Hex Head (M10 x 220)	4
27	A045C327	Hose (Formed)	1
28	A045C332	Hose, Convoluted	1
29	A045C358	Clamp, Hose (T-bolt)	1
30	A045C329	Pipe (Formed)	1
31	A046S524	Clamp, Hose (T-bolt)	1

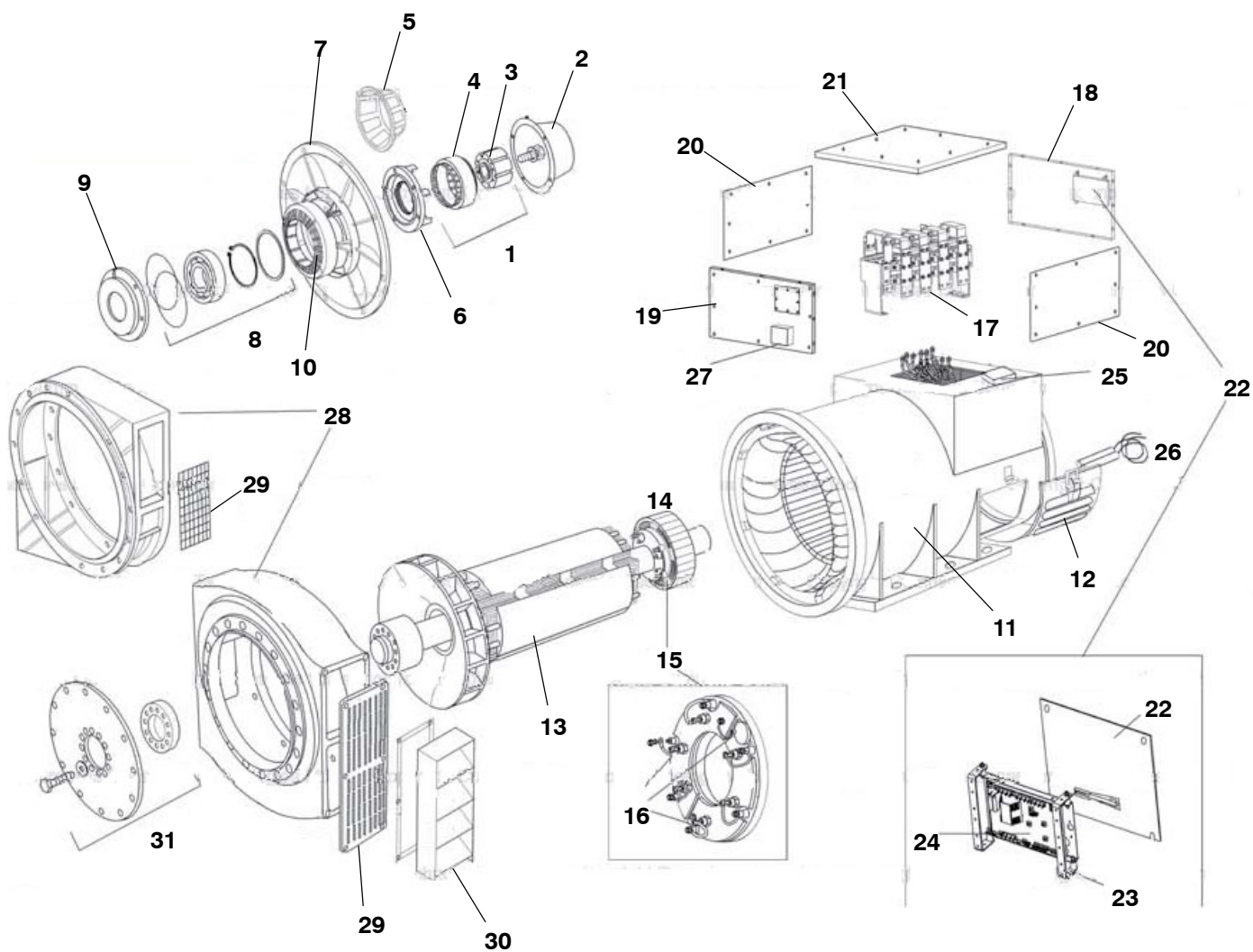
Coolant Level Sensor



Item	Part No.	Description	Qty
1	0193-0602	Sensor, Coolant Level	1

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Alternator HC634 (1 Bearing, 4 Pole)



Alternator – HC634 (1 Bearing, 4 Pole)

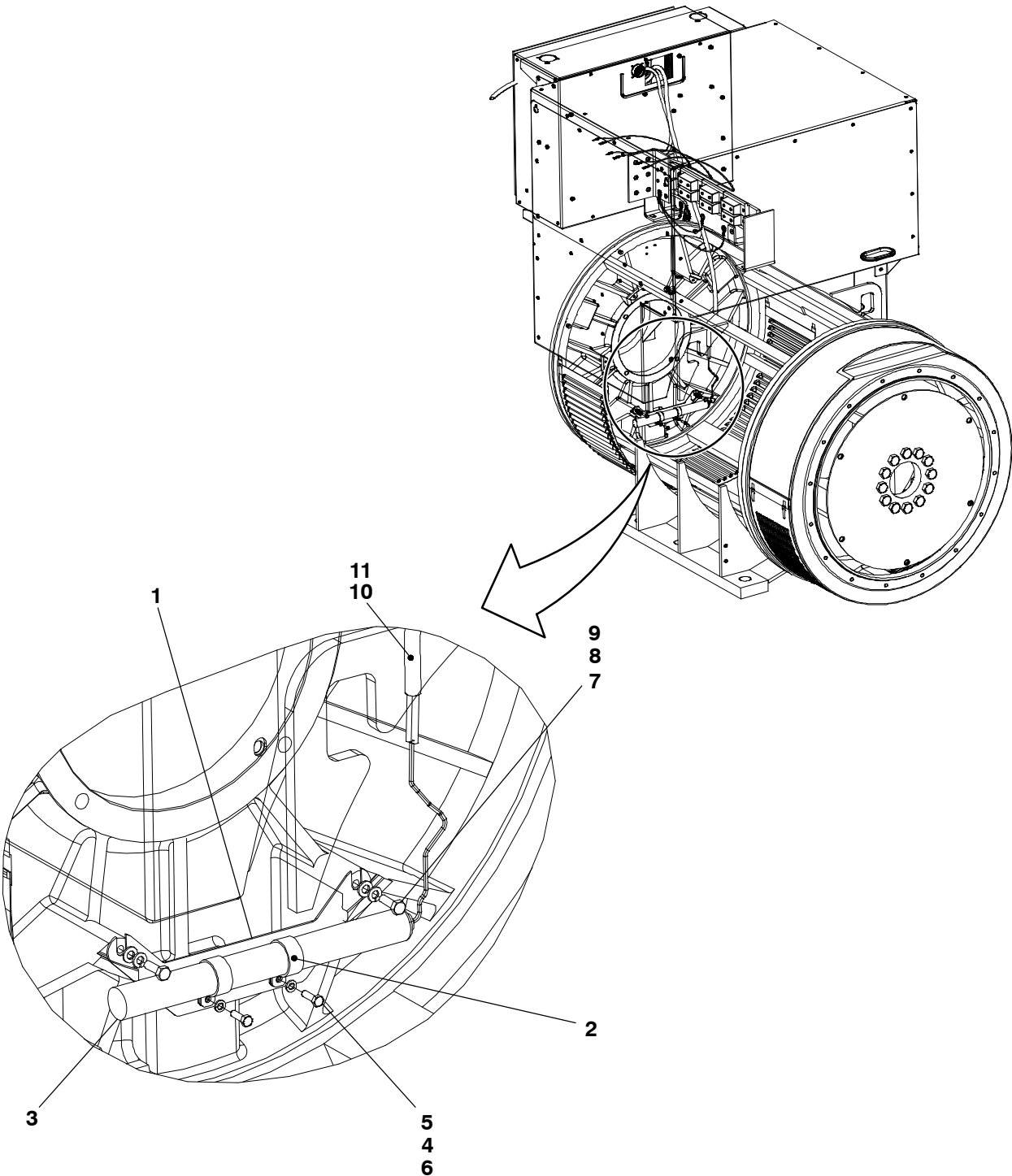
Item	Part No.	Description	Qty
1		Kit, Complete P.M.G. Upfit	
	45-0060A	To (01/05/01)	1
	45-0341A	From (01/05/01)	1
2	760-10562	Cover, P.M.G. (Cover Included in Kit)	1
3	45-1082	Kit, Current P.M.G. Rotor/Stator Repair	1
4	45-1082	Kit, Current P.M.G. Rotor/Stator Repair	1
5	See Item 1	Crown, P.M.G. (If Fitted)	1
6		Cap, N.D.E. Bearing	
	660-10071	To (25/04/98)	1
	660-10864	From (25/04/98)	1
7		Bracket, N.D.E.	
	660-10064	To (25/04/98)	1
	660-10860	From (25/04/98)	1
8		Kit, N.D.E. Bearing	
	45-0297	To (25/04/98)	1
	45-0340	From (25/04/98)	1
9		Cartridge, N.D.E. Bearing	
	462-12920	To (25/04/98)	1
	660-10862	From (25/04/98)	1
10	366-40800	Stator, Exciter – 75mm	1
11	*	Frame, Main Stator – Assembly	1
12		Cover, N.D.E. Air Inlet	
	660-11565	Industrial	1
	464-31600	Marine	1
13	*	Rotor, Main – Assembly	1
14	660-1010	Rotor, Exciter – 75mm	1
15	450-16025	Rectifier, Rotating – Assembly	1
16	RSK-6001	Kit, Diode Fwd/Rev & Varistor	1
17	660-1005	Board, Main Terminal	1
18	660-10653	Endpanel, Terminal Box – N.D.E.	1
19	660-10652	Endpanel, Terminal Box – D.E.	1
20	660-10650	Panel, Terminal Box Side	2
21	660-10651	Lid, Terminal Box	1
22		Plate, A.V.R. Cover	
	450-15254	Access	1
	450-14310	Blanking	1
		Continued...	

Alternator – HC634 (1 Bearing, 4 Pole)

Item	Part No.	Description	Qty
		Continued...	
23	45-0742	Bracket, A.V.R. Mounting	1
24		A.V.R.	
	E000-23412/1P	MX341 (Series 3)	1
	E000-23212/1P	MX321	1
25	003-14046	Board, Auxiliary Terminal	2
26		Heater	
	45-0073	110-125 Volt	1
	45-0074	220-260 Volt	1
27	45-0024	Box, Terminal – For Heaters	1
28		Kit, D.E. Adaptor	
	45-0943	SAE 0	1
	45-0944	SAE 0.5	1
	45-0937	SAE 1	1
	45-0945	SAE 0 Round	1
	45-0942	SAE 00	1
29	See Item 28	Screen, D.E. (Included in Adapter Kit)	2
30		Louvre, D.E.	
	45-0658	SAE 0 & 0.5 & 1	1
	45-0657	SAE 00	1
31		Kit, Coupling	
	45-0788	SAE 14	1
	45-0789	SAE 18	1
	45-0791	SAE 17.75	1
	45-0790	SAE 21	1
		* – This part number depends on your machine serial number. Contact your reginal CPG technical support team.	

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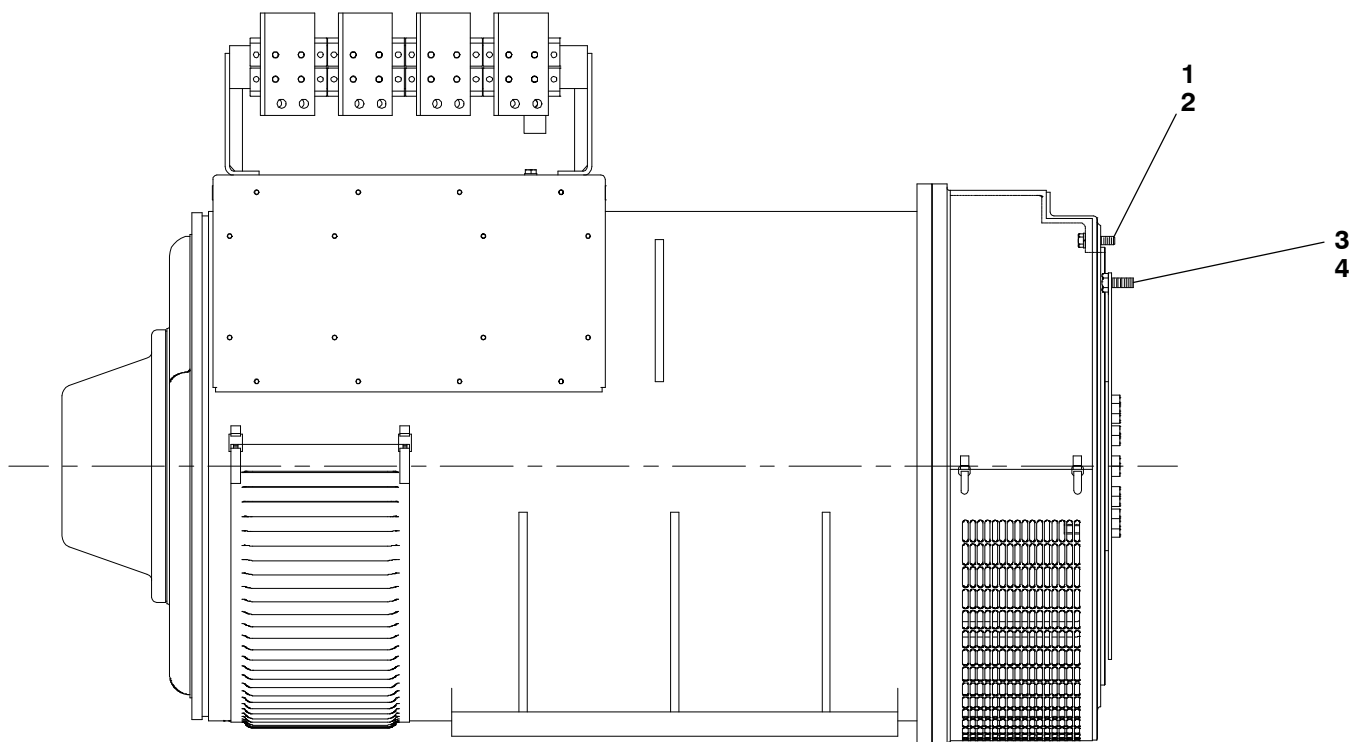
Alternator Heater



Alternator Heater

Item	Part No.	Description	Qty
1	0232-3849	Bracket, Heater	1
2	0332-3024-14	Clamp, Loop	2
3		Heater, Cartridge	
		120V	1
	0333-0438-05	Up to (Spec F)	
	A025M473	Begin (Spec G)	1
		240V	1
	0333-0438-06	Up to (Spec F)	
	A046K571	Begin (Spec G)	1
4		Washer, Lock	2
	0850-2005	Up to (Spec F)	
	0850-2114-06	Begin (Spec G)	2
5	0800-2008	Screw, Hex Head	2
6		Nut, Hex	2
	0860-2006	Up to (Spec F)	
	0860-2127-08	Begin (Spec G)	2
7		Washer, Flat	2
	0526-0399-58	Up to (Spec F)	
	0526-2400-52	Begin (Spec G)	2
8	0850-0114-53	Washer, Lock	2
9	0800-3017-04	Screw, Hex Head	2
10	0898-1254-25	Sleeve, Insulation	1
11		Tie, Cable	4
	0332-1389	Up to (Spec F)	
	A057J985	Begin (Spec G)	4

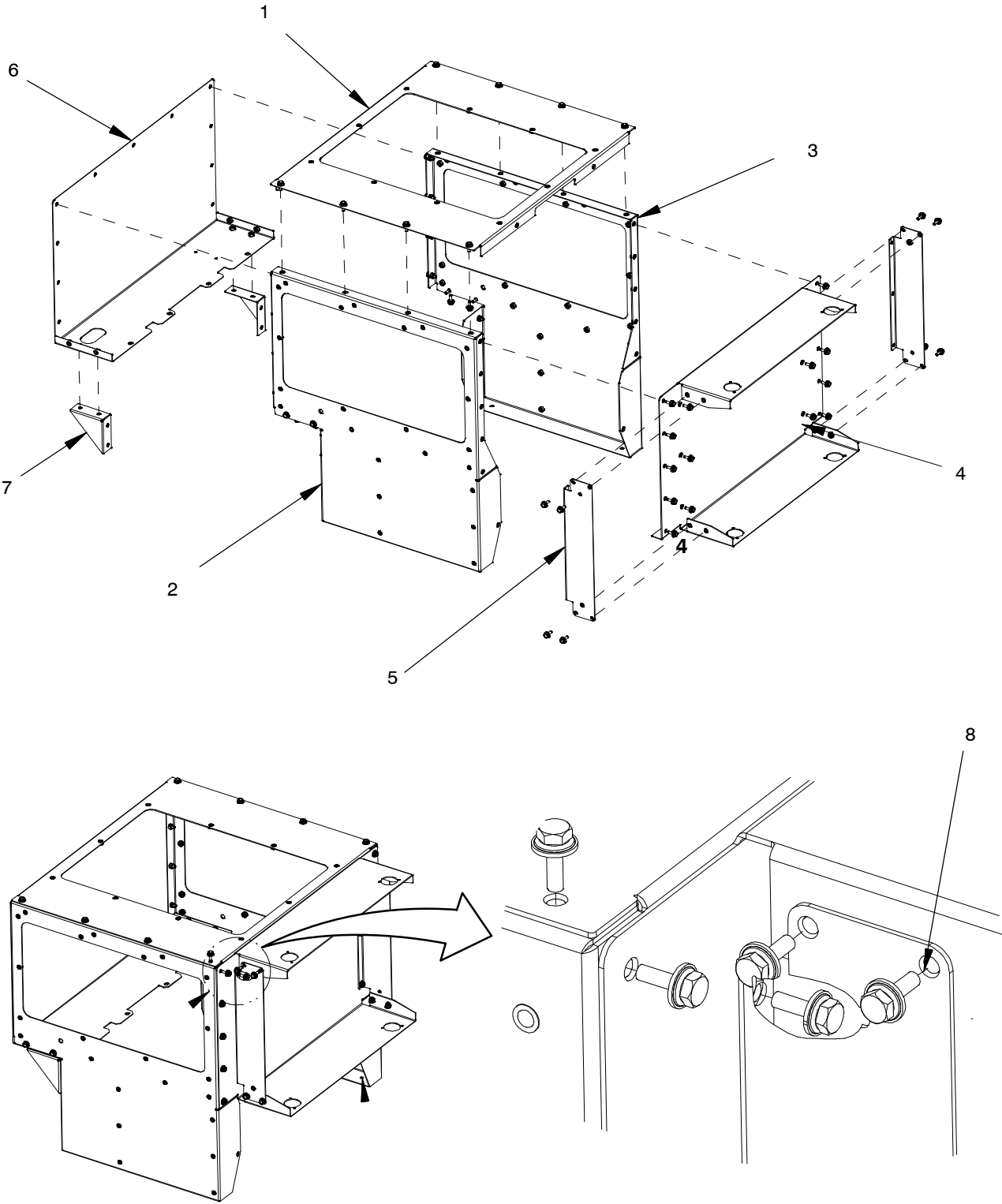
Alternator Fasteners



Item	Part No.	Description	Qty
1	0526-0399-64	Washer, Flat	16
2		Screw, Hex Head	16
	0800-3017-57	Up to (Spec F)	
	0800-6494-64	Begin (Spec G)	
3		Washer, Flat	6
	0526-0416	Up to (Spec F)	
	A056U250	Begin (Spec G)	
4	0800-6353-01	Screw, Hex Head	6

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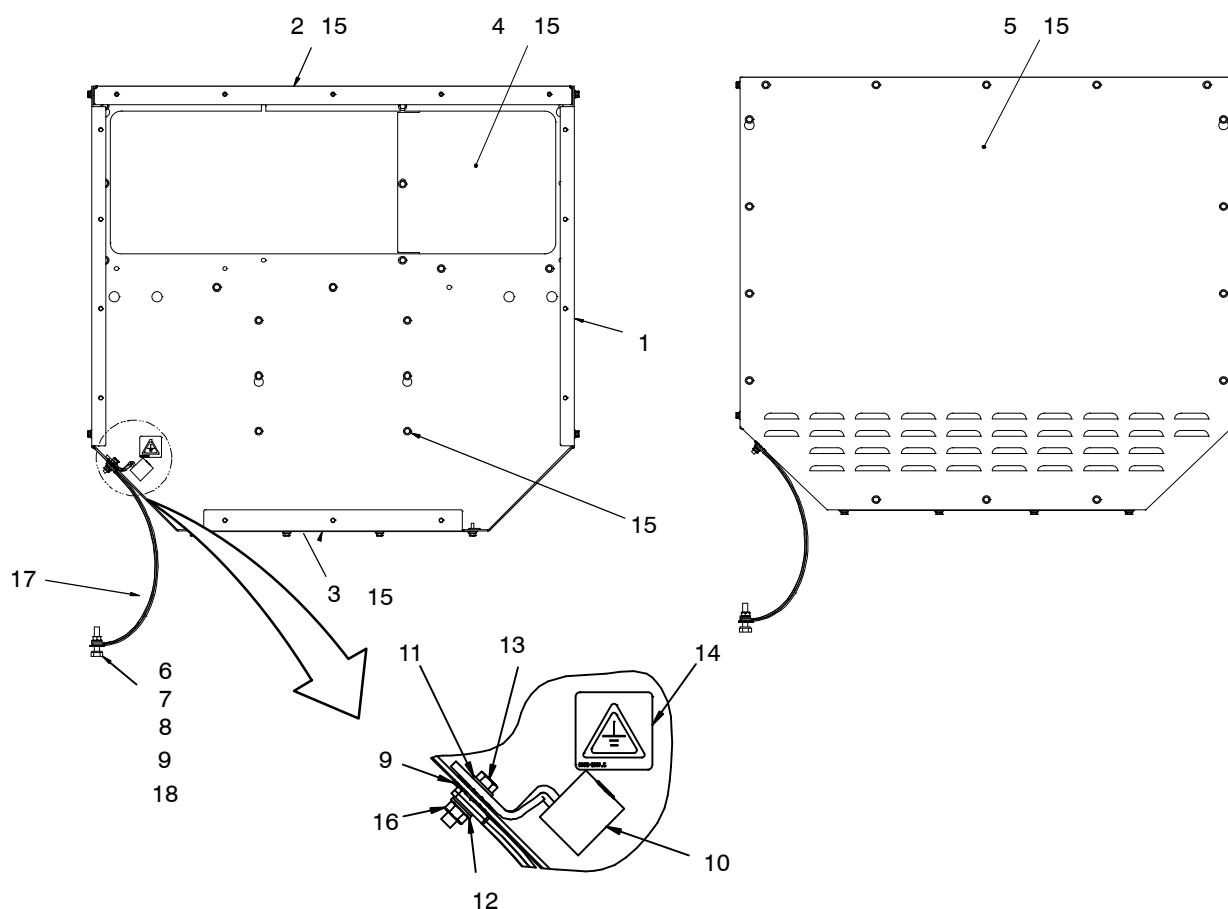
Terminal Box



Terminal Box

Item	Part No.	Description	Qty
1	A055C789	Panel, Terminal Box	1
2	A054V626	Panel, Terminal Box	1
3	A054V628	Panel, Terminal Box	1
4	A053K740	Panel, Terminal Box	1
5	A051G886	Panel, Terminal Box	2
6	A055C809	Panel, Terminal Box	1
7	A051G888	Panel, Terminal Box	2
8	0821-6003-02	Screw, Hex Head	57
For transportation purposes only, use holes in items 2 and 3 to secure to pallet.			

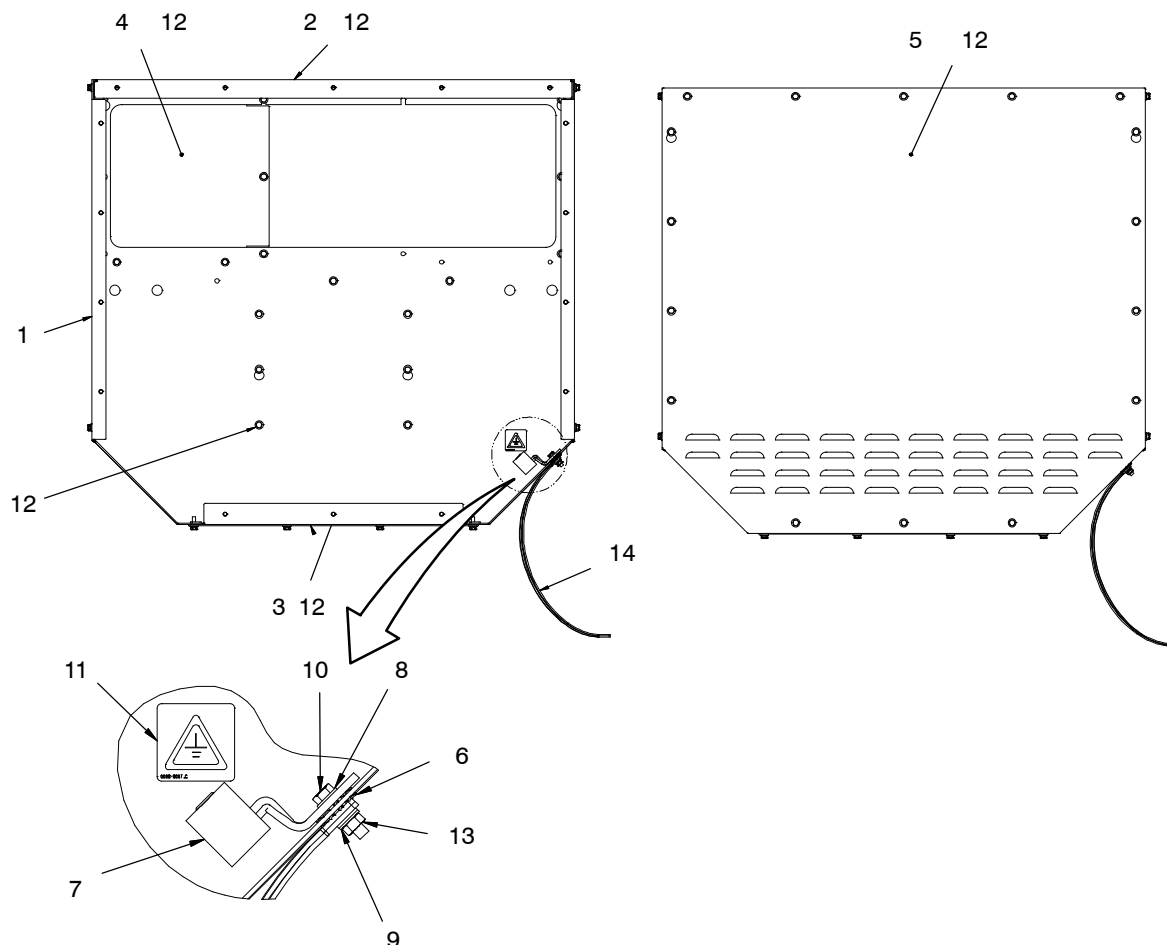
Entrance Box – Left



Item	Part No.	Description	Qty
1	A054S379	Panel, Circuit Breaker Box	1
2	A054S387	Panel, Circuit Breaker Box	1
3	A054Z765	Panel, Circuit Breaker Box	1
4	A054S389	Panel, Circuit Breaker Box	1
5	A054T873	Cover, Circuit Breaker Box	1
6	0526-0399-64	Washer, Flat	2
7	0850-0114-56	Washer, Lock	1
8		Nut, Hex	1
	0862-0026-57	Up to (Spec F)	
	0860-2127-16	Begin (Spec G)	
9	0856-0013	Washer, lock	3
10	0332-2001	Lug, Solderless	1
11		Washer, Flat	2
	0526-0399-60	Up to (Spec F)	
	0526-2400-55	Begin (Spec G)	
12	0850-0114-54	Washer, lock	1
13		Screw, Hex Head	1
	0800-2060	Up to (Spec F)	
	0800-6494-29	Begin (Spec G)	

Item	Part No.	Description	Qty
14	0098-8097	Label, Information	1
15	0821-6003-02	Screw, Hex Head	51
16	0862-0026-55	Nut, Hex	1
17	0337-3587-01	Lead, Earth	2
18	0800-6288-12	Screw, Hex Head	1

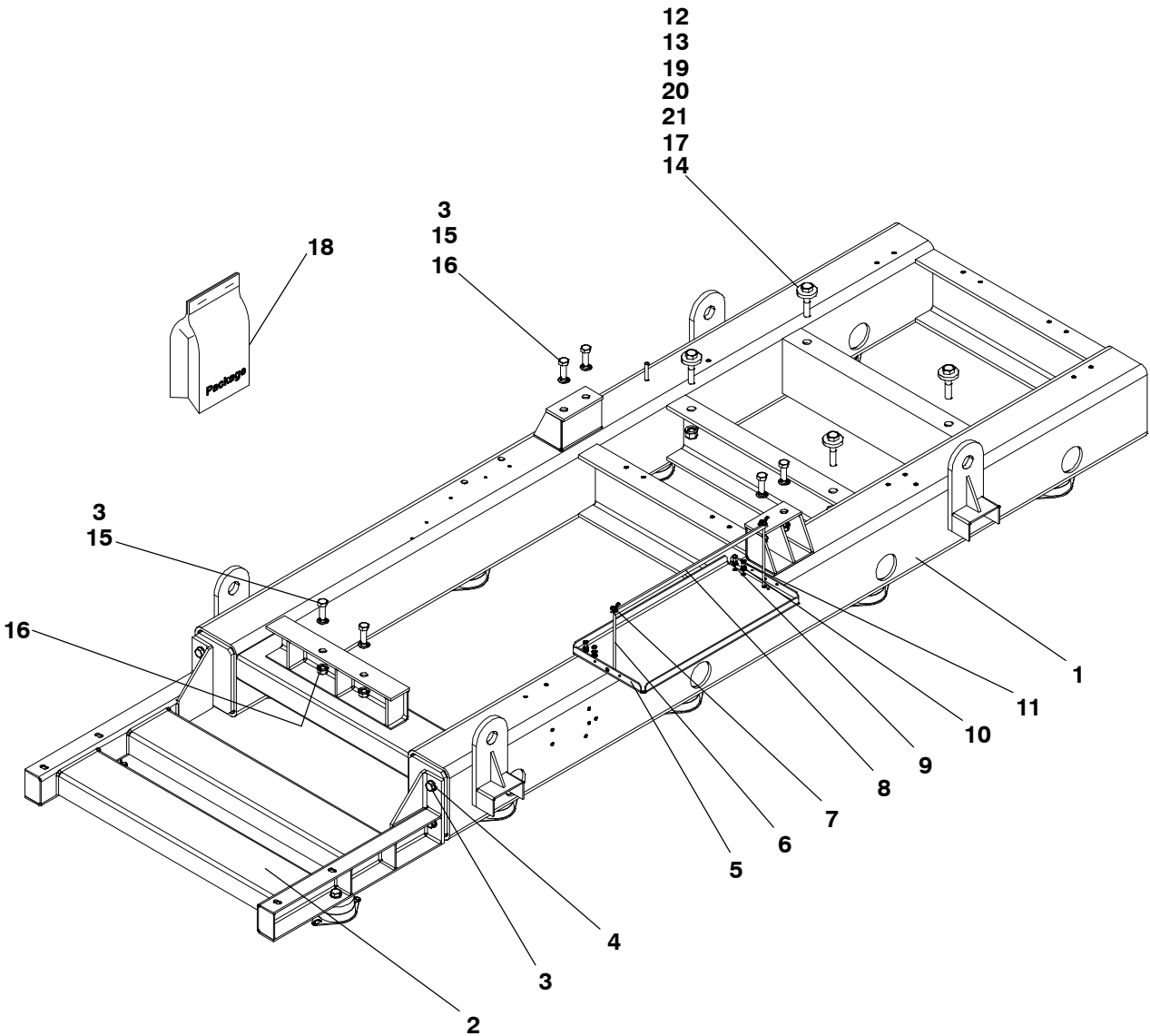
Entrance Box – Right



Item	Part No.	Description	Qty
1	A054S379	Panel, Circuit Breaker Box	1
2	A054S387	Panel, Circuit Breaker Box	1
3	A054Z765	Panel, Circuit Breaker Box	1
4	A054S389	Panel, Circuit Breaker Box	1
5	A054T873	Cover, Circuit Breaker Box	1
6	0856-0013	Washer, Lock	2
7	0332-2001	Lug, Solderless	1
8	0526-0399-60	Washer, Flat	2
9	0850-0114-54	Washer, Lock	1
10	0800-2060	Screw, Hex Head	1
11	0098-8097	Label, Information	1
12	0821-6003-02	Screw, Hex Head	51
13	0862-0026-55	Nut, Hex	1
14	0337-3587-01	Lead, Earth	2

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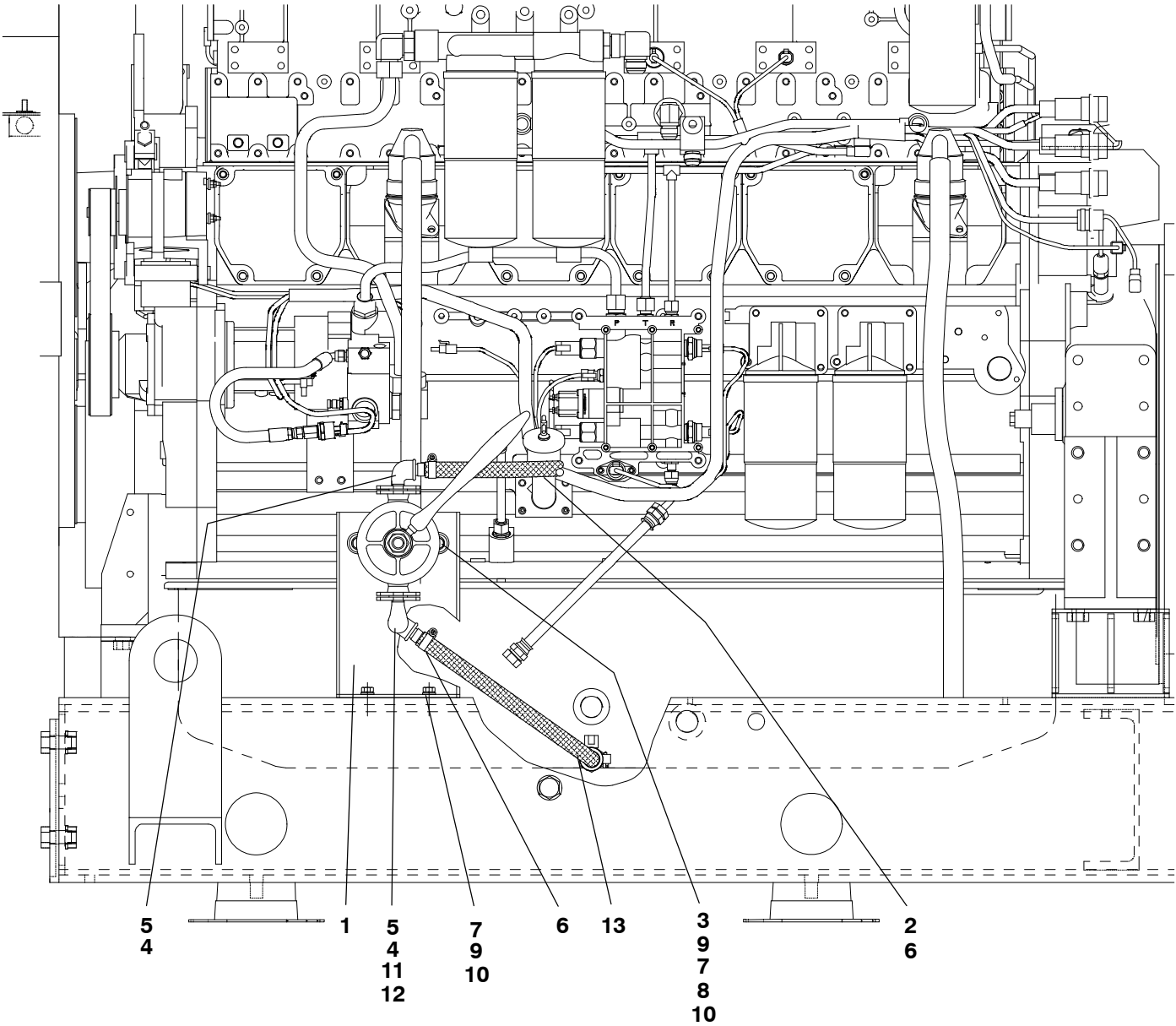
Skid



Skid

Item	Part No.	Description	Qty
1	A045N900	Chassis	1
2	A045N994	Frame, Radiator	1
3		Washer, Flat	16
	0526-0399-70	Up to (Spec F)	
	0526-2400-70	Begin (Spec G)	
4	0800-3017-90	Screw, Head	4
5	0416-1199	Tray, Battery	1
6	0416-1198	Rod, Battery Hold Down	2
7		Nut, Wing	2
	0865-0031	Up to (Spec F)	
	A056Z376	Begin (Spec G)	
8	0416-1197	Clamp, Battery	1
9	0526-0399-60	Washer, Flat	4
10	0850-0114-54	Washer, Lock	4
11	0800-3017-20	Screw, Head	4
12	0526-0460-02	Washer, Flat	4
13		Screw, Hex Head	4
	0718-1180	Up to (Spec F)	
	0800-6527-46	Begin (Spec G)	
14		Nut, Hex	4
	0860-2024-01	Up to (Spec F)	
	0860-2127-24	Begin (Spec G)	
15		Screw, Head	6
	0800-3017-91	Up to (Spec F)	
	A056U144	Begin (Spec G)	
16		Nut, Hex	6
	0862-0026-59	Up to (Spec F)	
	0860-2127-22	Begin (Spec G)	
17		Washer, Flat	4
	0526-0399-72	Up to (Spec F)	
	0526-2400-73	Begin (Spec G)	
18	A034H394	Kit, Hardware (Includes Items 22-25)	1
19	0232-3710-01	Shim, Generator Mounting (20 GA (.0359))	A/R
20	0232-3710-02	Shim, Generator Mounting (14 GA (.0747))	A/R
21	0232-3710-03	Shim, Generator Mounting (10 GA (.1345))	A/R
22	0402-0822	Isolator, Vibration	2
23	0402-0823	Isolator, Vibration	8
24	0800-3017-85	Screw, Hex Head	10
25	0526-0399-70	Washer, Flat	10

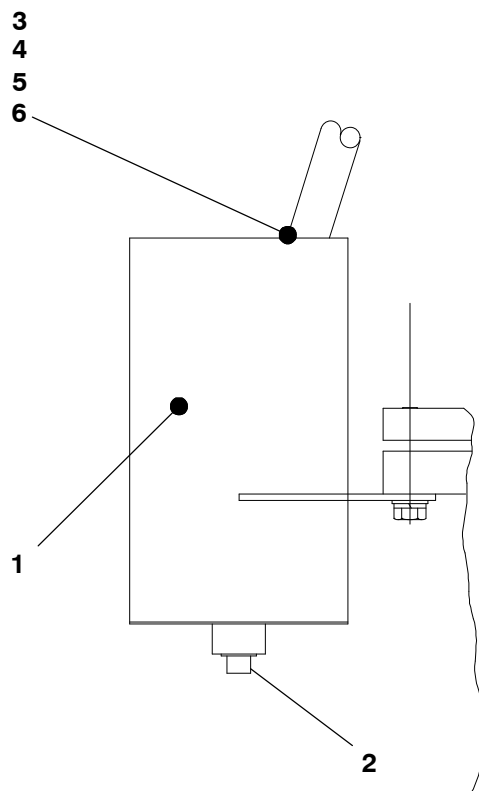
Oil Pump



Oil Pump

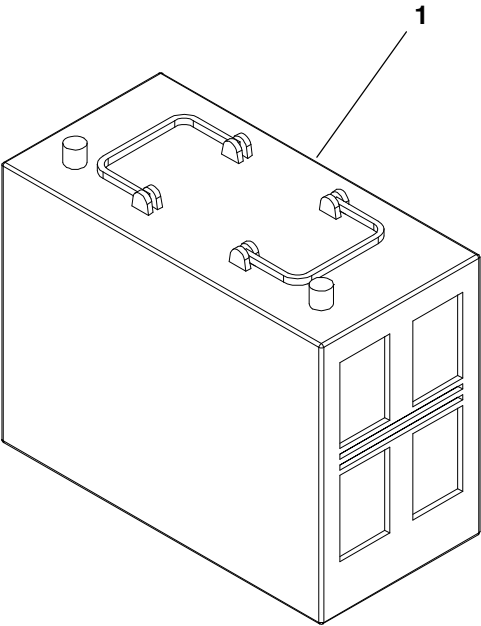
Item	Part No.	Description	Qty
1	0120-1345-02	Bracket, Oil Pump	1
2		Hose	A/R
	0503-2208-03	Up to (Spec F)	
	A056Y499	Begin (Spec G)	
3	0149-2736	Pump, Fuel	1
4	0502-1369	Elbow, Male Female	2
5	0502-1370	Adapter, Pipe	2
6	0503-2550	Clamp, Hose	2
7	0800-3017-40	Screw, Hex Head	4
8		Nut, Hex	2
	0862-0026-56	Up to (Spec F)	
	0860-2127-14	Begin (Spec G)	
9	0526-0399-62	Washer, Flat	6
10	0850-0114-55	Washer, Lock	4
11	0505-2098	Fitting, Pipe Nipple	1
12	0505-2141	Fitting, Pipe Elbow	1
13	0503-2386	Hose	A/R

Drip Pan



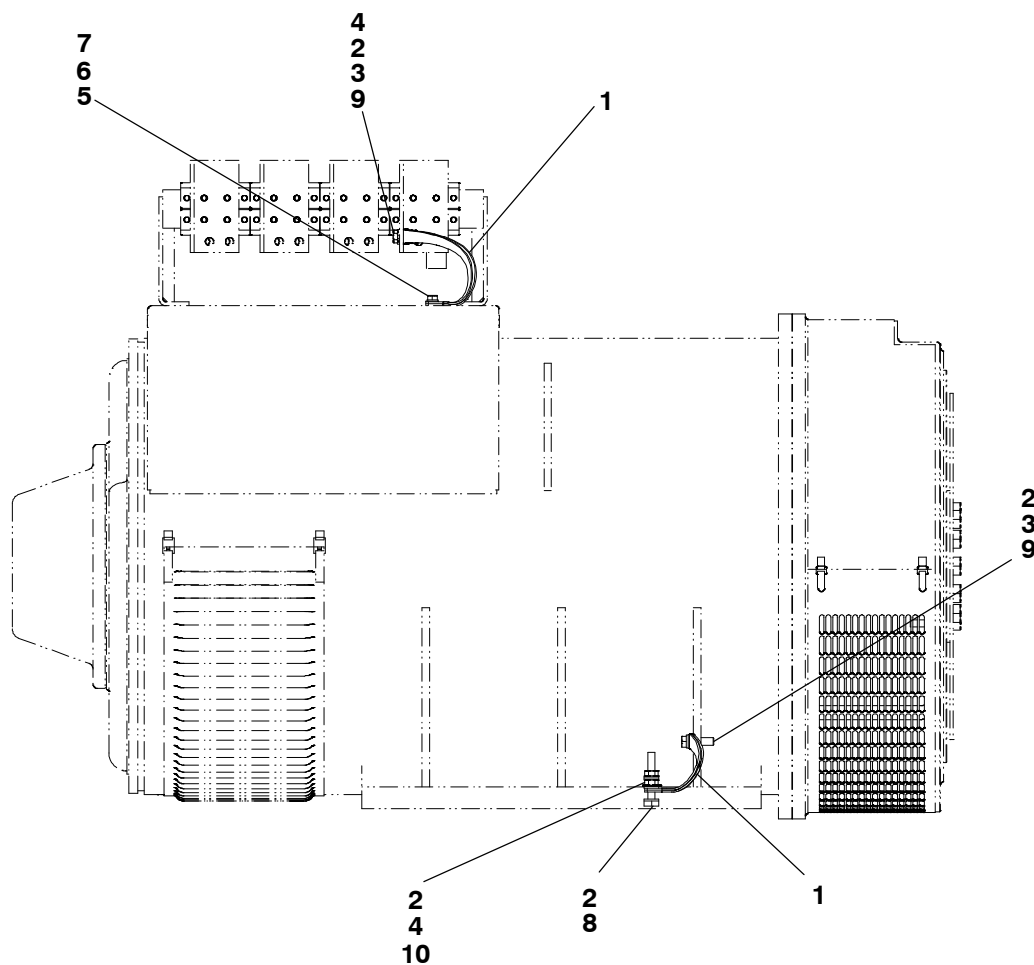
Item	Part No.	Description	Qty
1	0403458502	Pan, Drip	2
2	0505-1603	Plug, Pipe	2
3	0518-0548-44	Clamp	2
4	0800-3017-04	Screw, Hex Head	2
5		Washer, Flat	4
	0526-0399-59	Up to (Spec F)	
	0526-2400-53	Begin (Spec G)	
6		Nut, Nylon Lock	2
	0870-0506	Up to (Spec F)	
	0870-2322-04	Begin (Spec G)	

Battery



Item	Part No.	Description	Qty
1	0416-1190	Battery (655S Dry – 840 CCA)	1

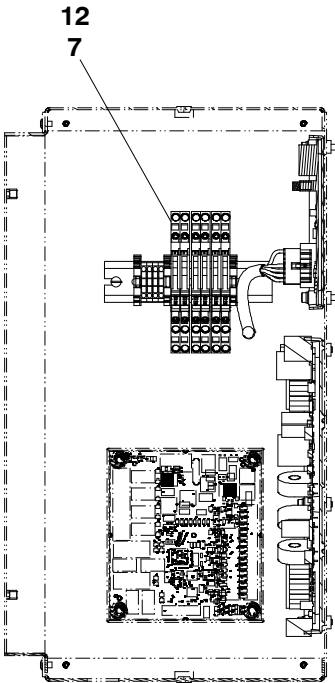
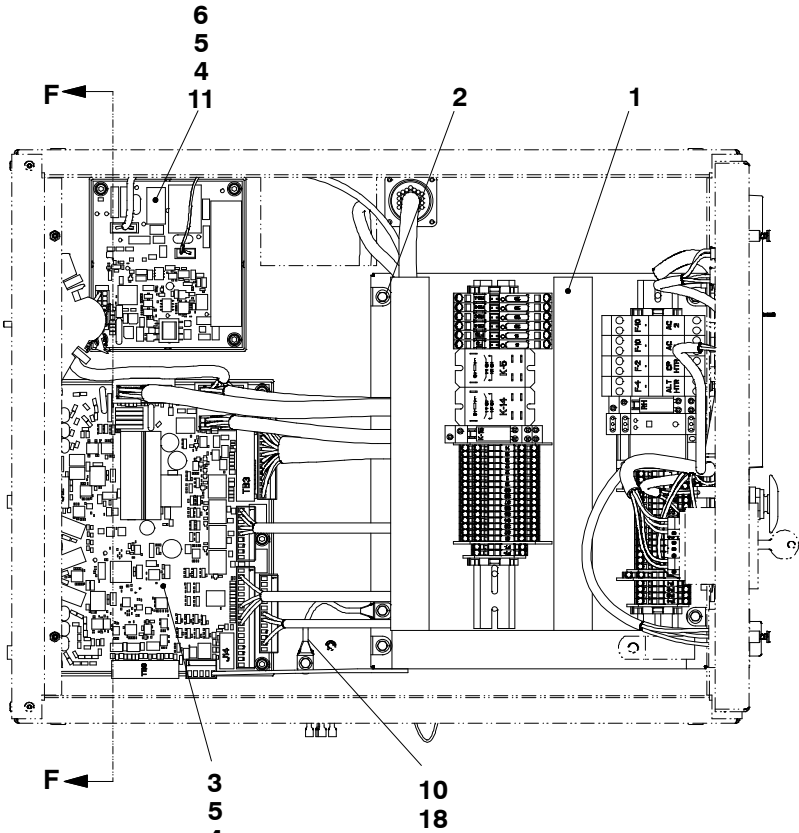
Ground Strap



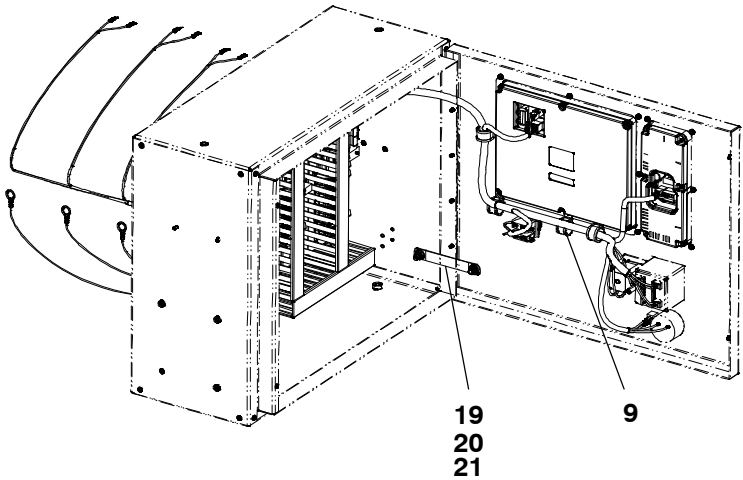
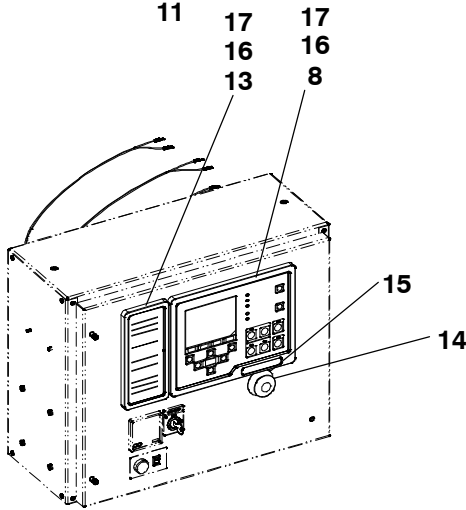
Item	Part No.	Description	Qty
1	0337-3587-01	Lead, Earth	4
2	0526-0399-64	Washer, Flat	7
3	0850-0114-56	Washer, Lock	2
4	0862-0026-57	Nut, Hex	3
5	0800-3017-40	Screw, Hex Head	1
6	0526-0399-62	Washer, Flat	1
7	0850-0114-55	Washer, Lock	1
8	0800-6288-16	Screw, Hex Head	1
9	0800-3017-57	Screw, Hex Head	2
10		Washer, Lock	1
	0856-0012	Up to (Spec F)	
	0853-0040-57	Begin (Spec G)	

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Control – PCC3300



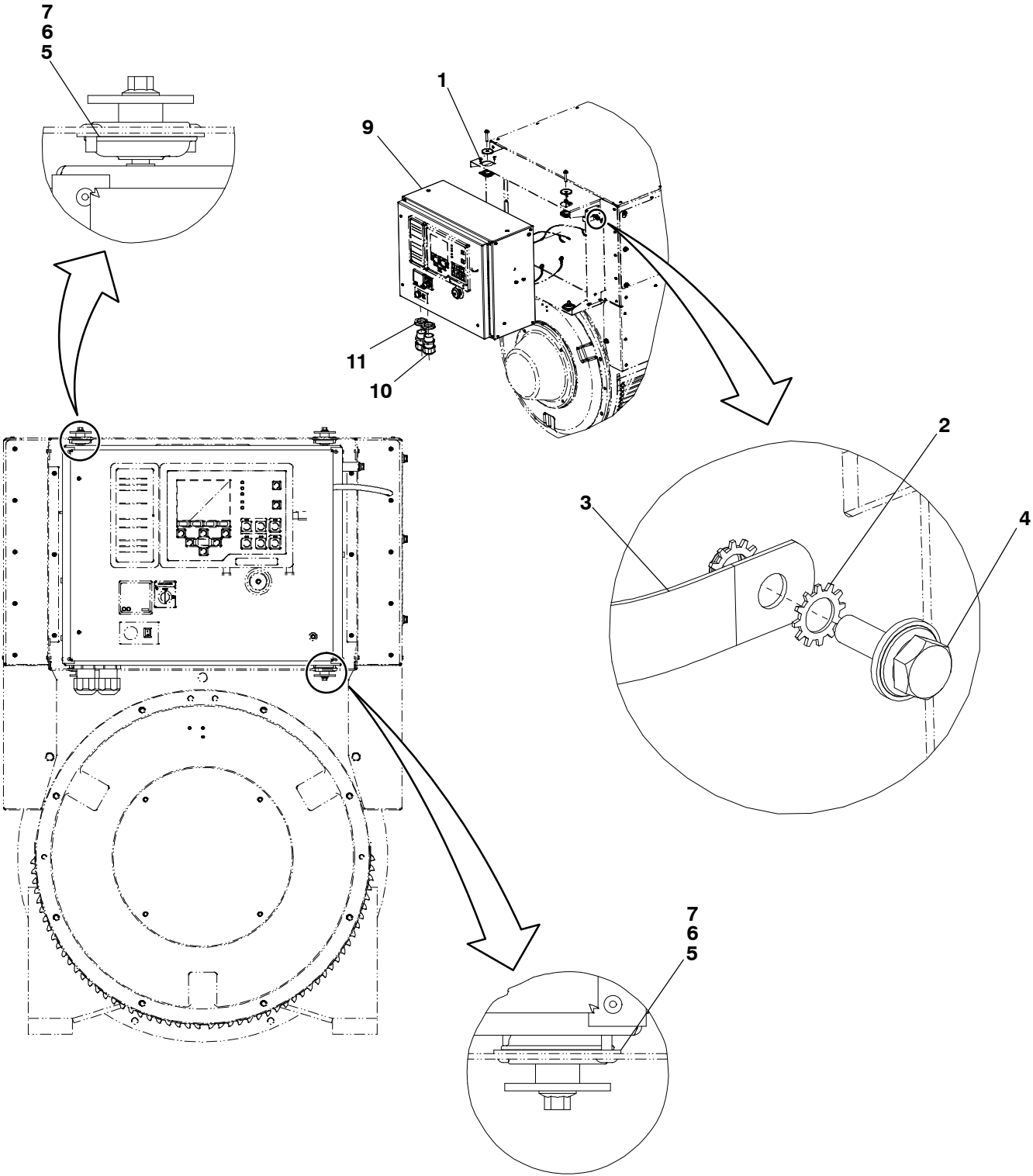
Section F-F



Control – PCC3300

Item	Part No.	Description	Qty
1	A050T123	Harness, Control	1
2	0821-6001-02	Screw, Hex Head	4
3	0327-1601-01	Card, Control	1
4		Washer, Flat	10
	0526-0399-56	Up to (Spec F)	
	0526-2400-19	Begin (Spec G)	
5	0725-1008	Screw	10
6	0327-1593	Card, Control	1
7	A052F998	Harness, Wiring	1
8	0300-6315-02	Display, Control	1
9	0518-0730	Clip, Tube	4
10	0337-3582-06	Conductor, Electrical	1
11	0850-0114-52	Washer, Lock	10
12	0818-1172	Rivet, Blind	2
13	0300-6366-02	Display, Control	1
14	0308-1220	Switch, Emergency	1
15	0098-8238	Label, Unit	1
16		Washer, Lock	14
	0850-2004	Up to (Spec F)	
	0850-2114-04	Begin (Spec G)	
17	0823-1001-03	Screw, Pan Head	14
18	0821-6001-03	Screw, Hex Head	2
19		Strap, Electrical	1
	0337-0049	Up to (Spec F)	
	A057D346	Begin (Spec G)	
20	0526-0115	Washer, Flat	2
21		Nut, Flange Lock	2
	0870-2055	Up to (Spec F)	
	0860-2137	Begin (Spec G)	

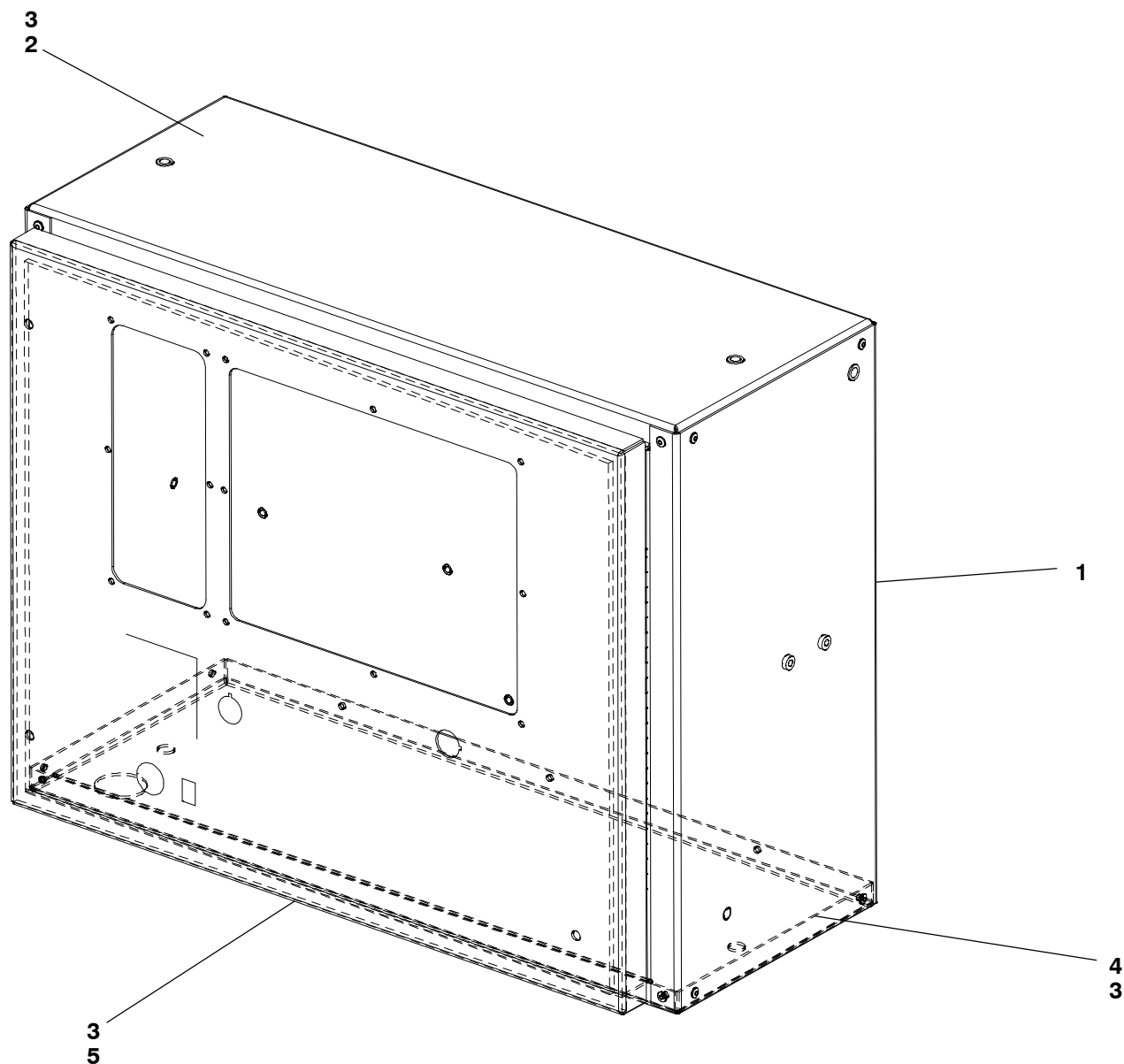
Control Box



Control Box

Item	Part No.	Description	Qty
1	0818-0231-02	Rivet, Pop	8
2	0853-0040-55	Washer, Lock	2
3	0337-0049	Strap, Electrical	1
4	0821-6003-02	Screw, Hex Head	1
5	0402-0666-01	Isolator, Vibration	4
6		Washer, Flat	4
	0526-0324	Up to (Spec F)	
	A056U248	Begin (Spec G)	
7		Screw, Hollow Head	4
	0815-0776	Up to (Spec F)	
	A056U168	Begin (Spec G)	
8	0332-1389	Tie, Cable	10
9		Box, Control (See Page 60 for Components)	
	A051K570	No Option	1
	A051K571	Ground Fault Only	1
	A051K572	Alarm Only	1
	A051K568	Ground Fault and Alarm	1
10	A052C244	Cable, Glow Plug	2
11	A052H877	Nut, Hex Lock	2

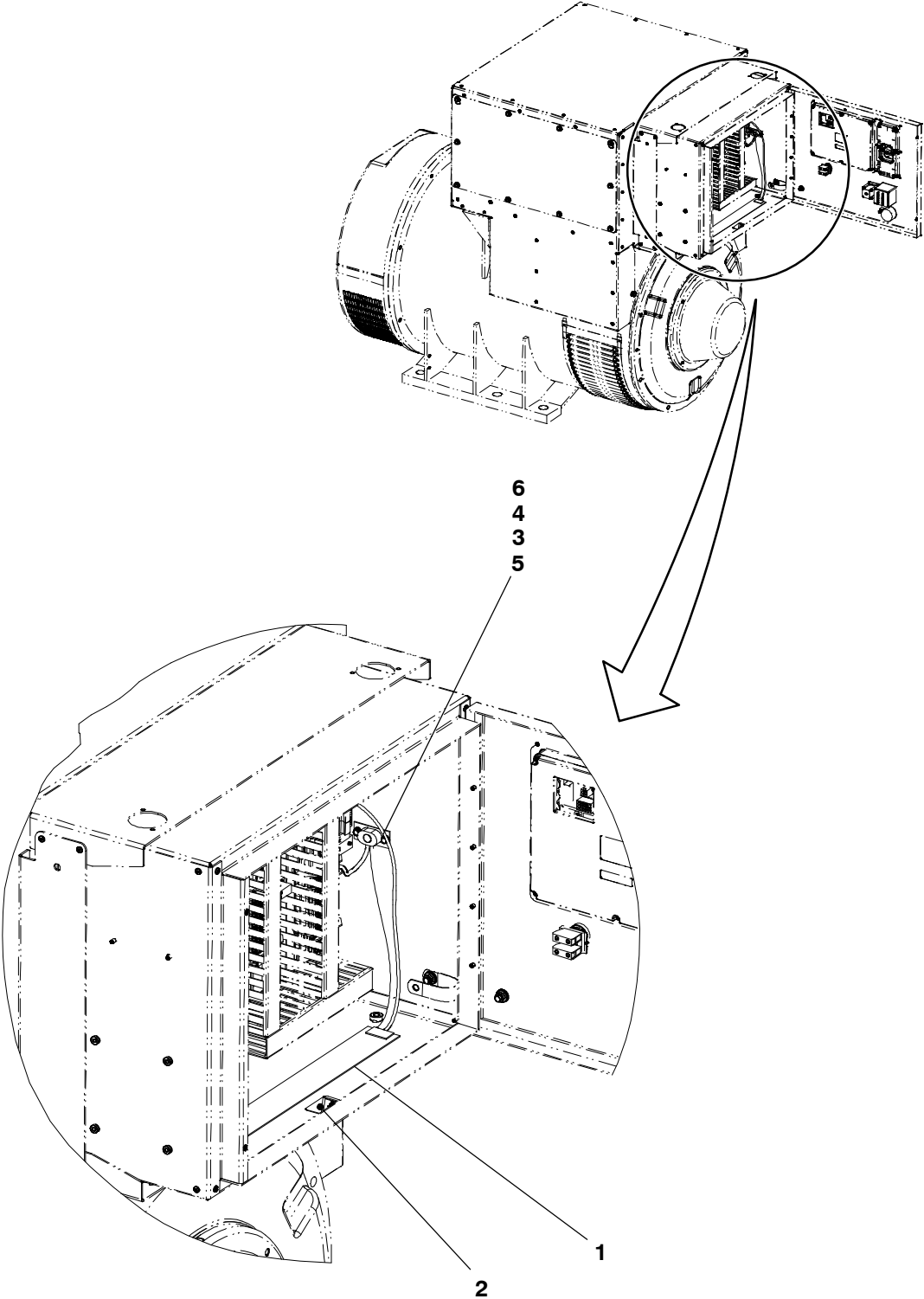
Control Box – Components



Item	Part No.	Description	Qty
1	A051A150	Wrapper, Control Box	1
2	A051A175	Panel, Control Box	1
3	0818-1172	Rivet, Blind	22
4	A051A152	Panel, Control Box	1
5		Panel, Control Box	
	A051B067	No Option	1
	A051K562	Ground Fault Only	1
	A051K564	Alarm Only	1
	A050Y798	Ground Fault and Alarm	1

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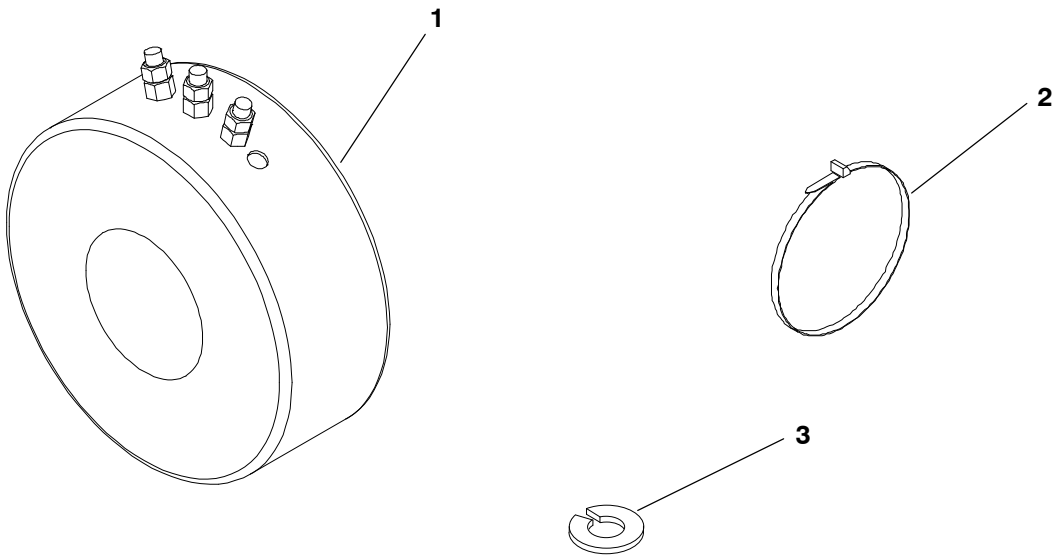
Control Heater



Control Heater

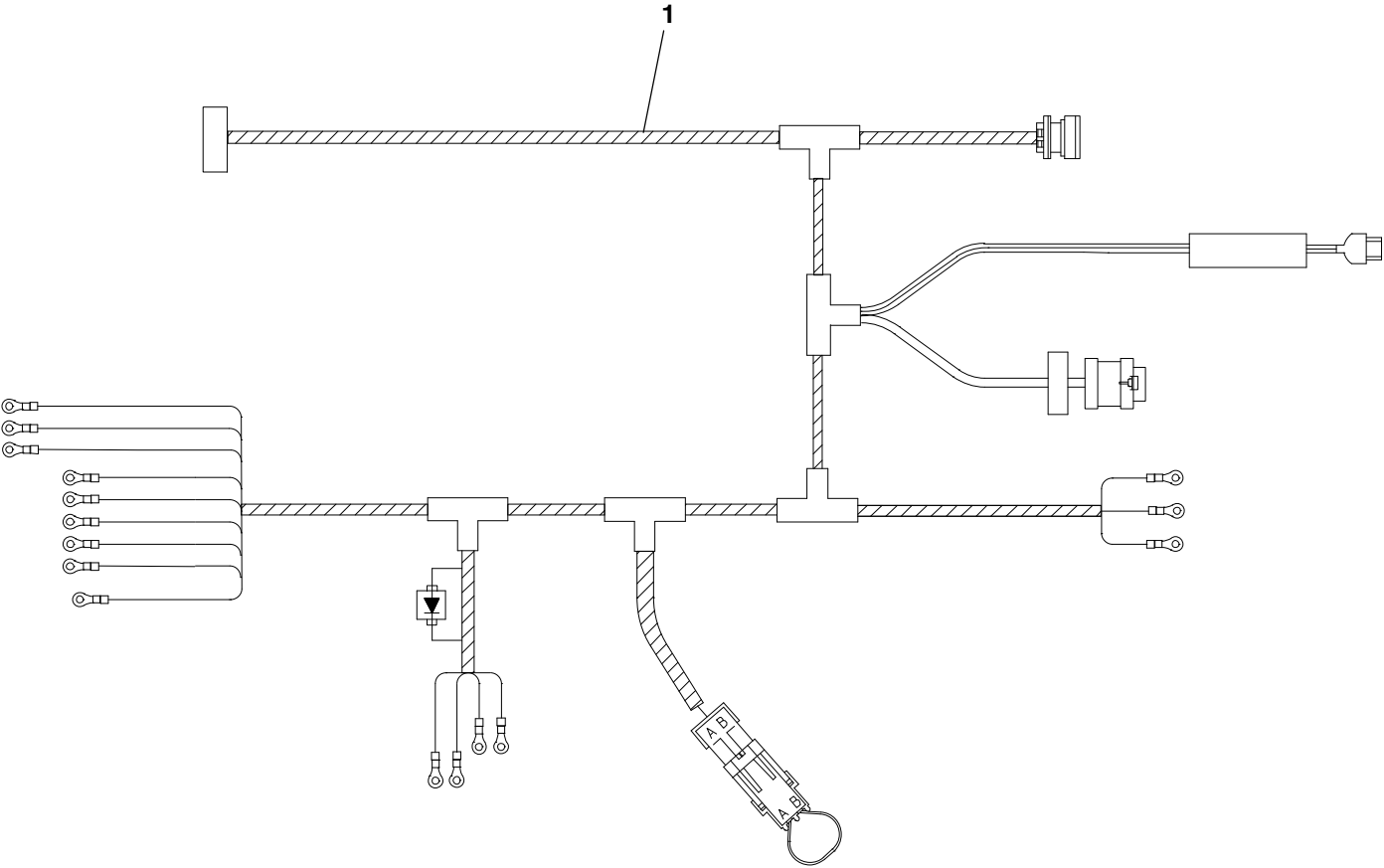
Item	Part No.	Description	Qty
1		Heater, Thermostat	
	0333-0645-01	120V	1
	0333-0645-02	240V	1
2	A048J466	Label, Warning	1
3	0526-0399-56	Washer, Flat	2
4	0850-2005	Washer, Lock	2
5	0821-6001-03	Screw, Hex Head	2
6		Nut, Hex	2
	0862-0026-53	Up to (Spec F)	
	0860-2127-07	Begin (Spec G)	
7		Tie, Cable	4
	0332-0941	Up to (Spec F)	
	A057G720	Begin (Spec G)	

Current Transformer



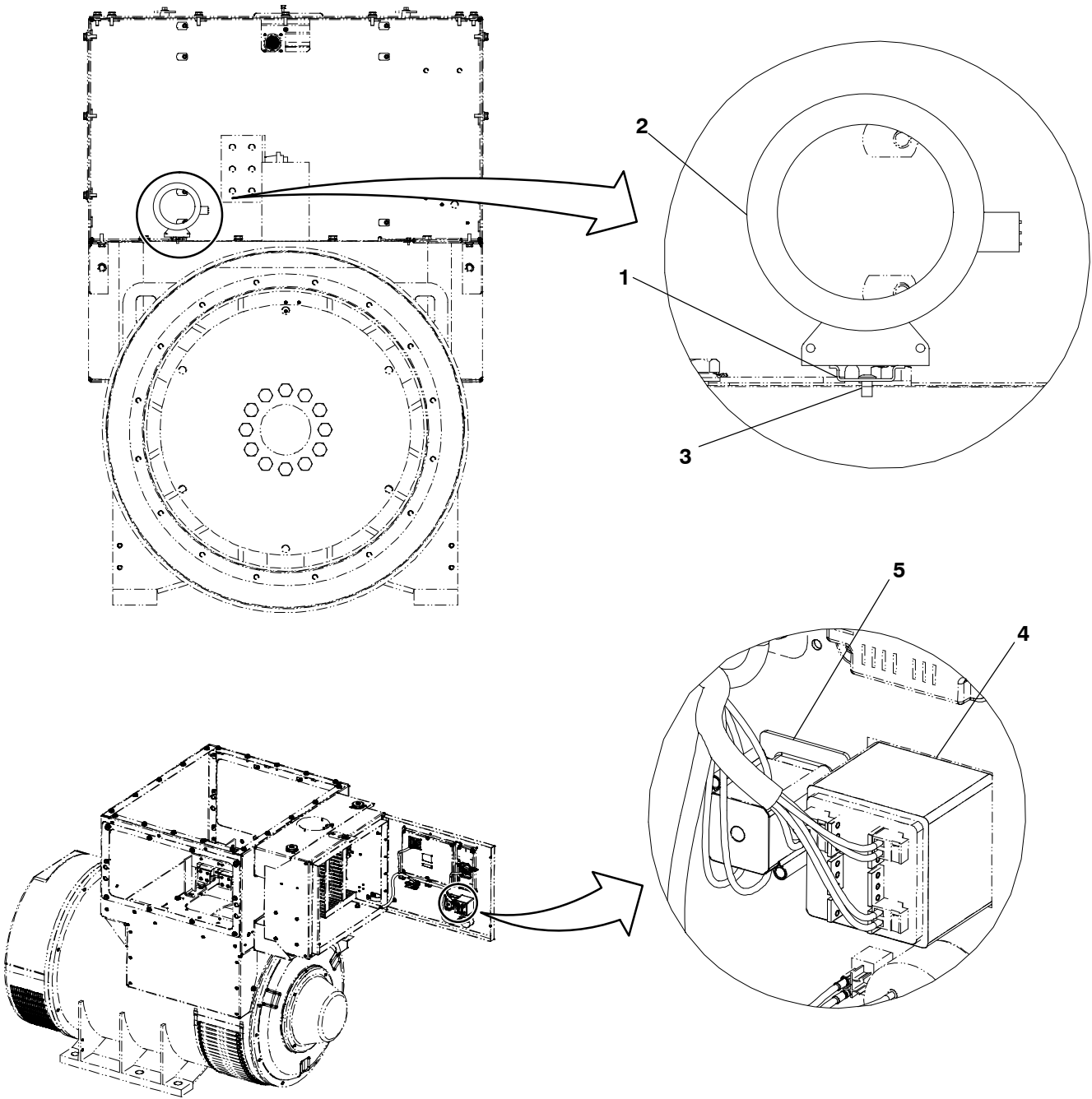
Item	Part No.	Description	Qty
1	0302-2057-40	Transformer, Current – Primary Ration 2762/1 5524/1	3
2		Tie, Cable	8
	0332-3102	Up to (Spec F)	
	A057P409	Begin (Spec G)	
3	0856-0008	Washer, Lock	2

Control Harness



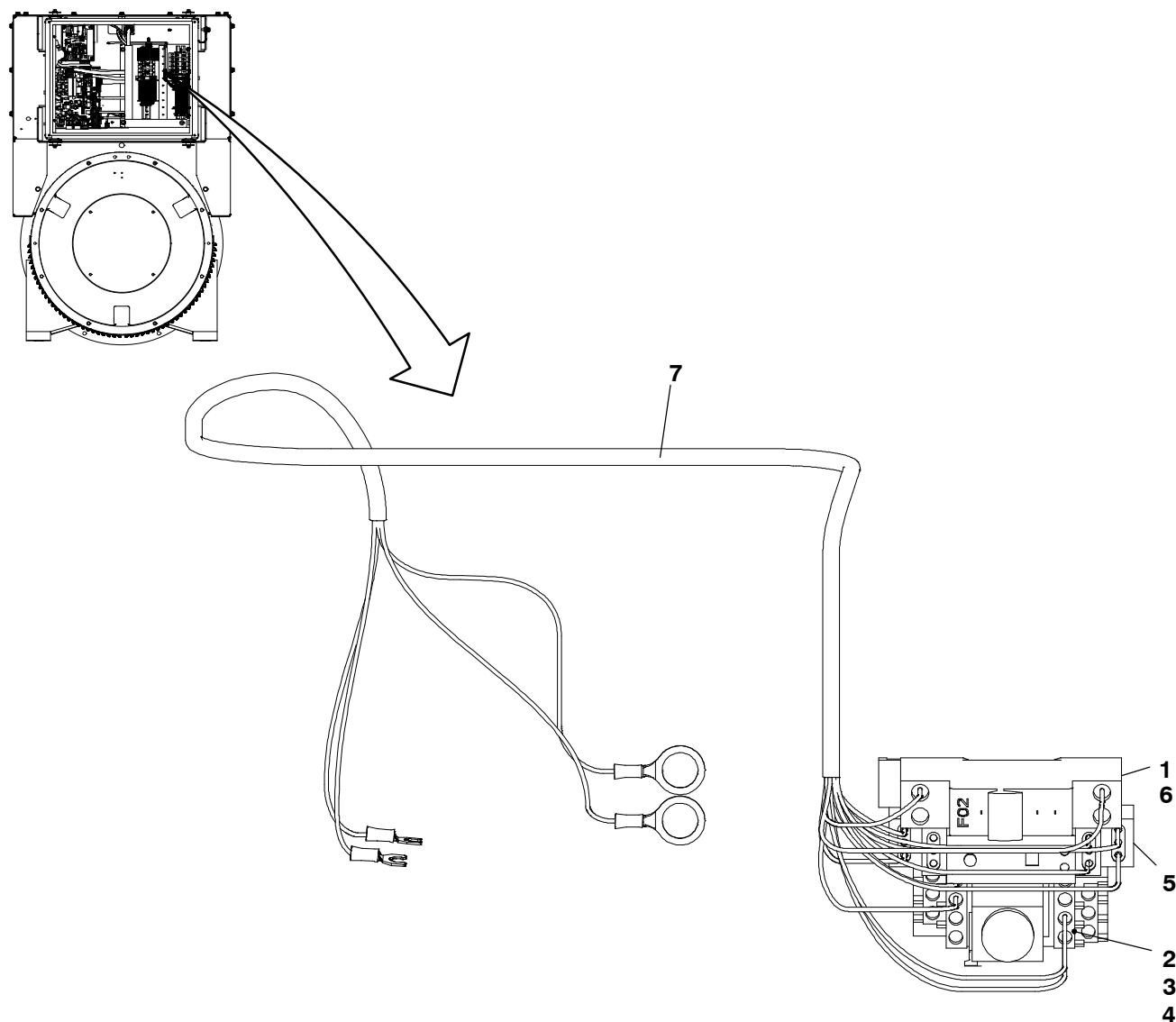
Item	Part No.	Description	Qty
1	A050V446	Harness, Control	1

Ground Fault



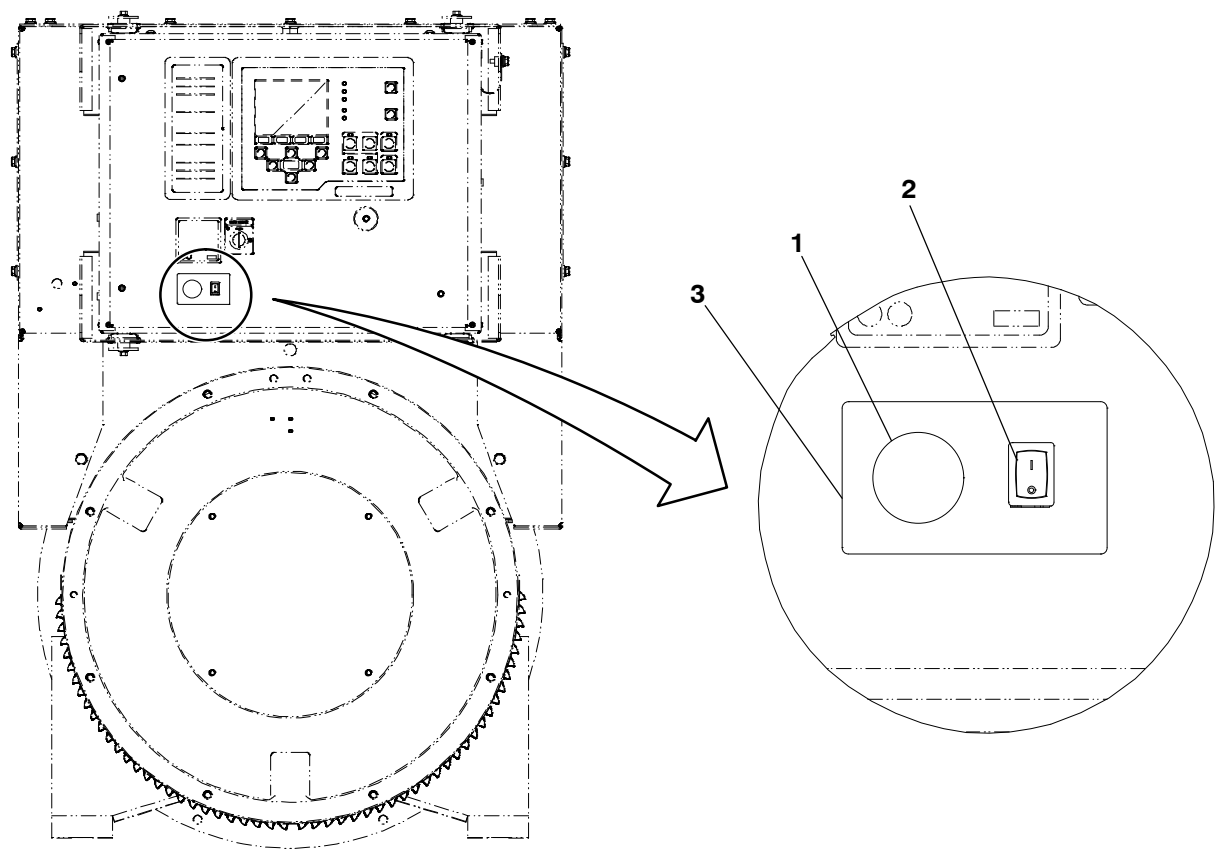
Item	Part No.	Description	Qty
1	0332-4218-12	Rail, Terminal	1
2	0315-1607-02	Transformer, Current	1
3	0818-1172	Rivet, Blind	2
4	0307-3088	Relay, Ground Fault	1
5	A034H885	Switch, Rotary	1
6	0332-1389	Tie, Cable (Not Illustrated)	5

Temperature Sensor



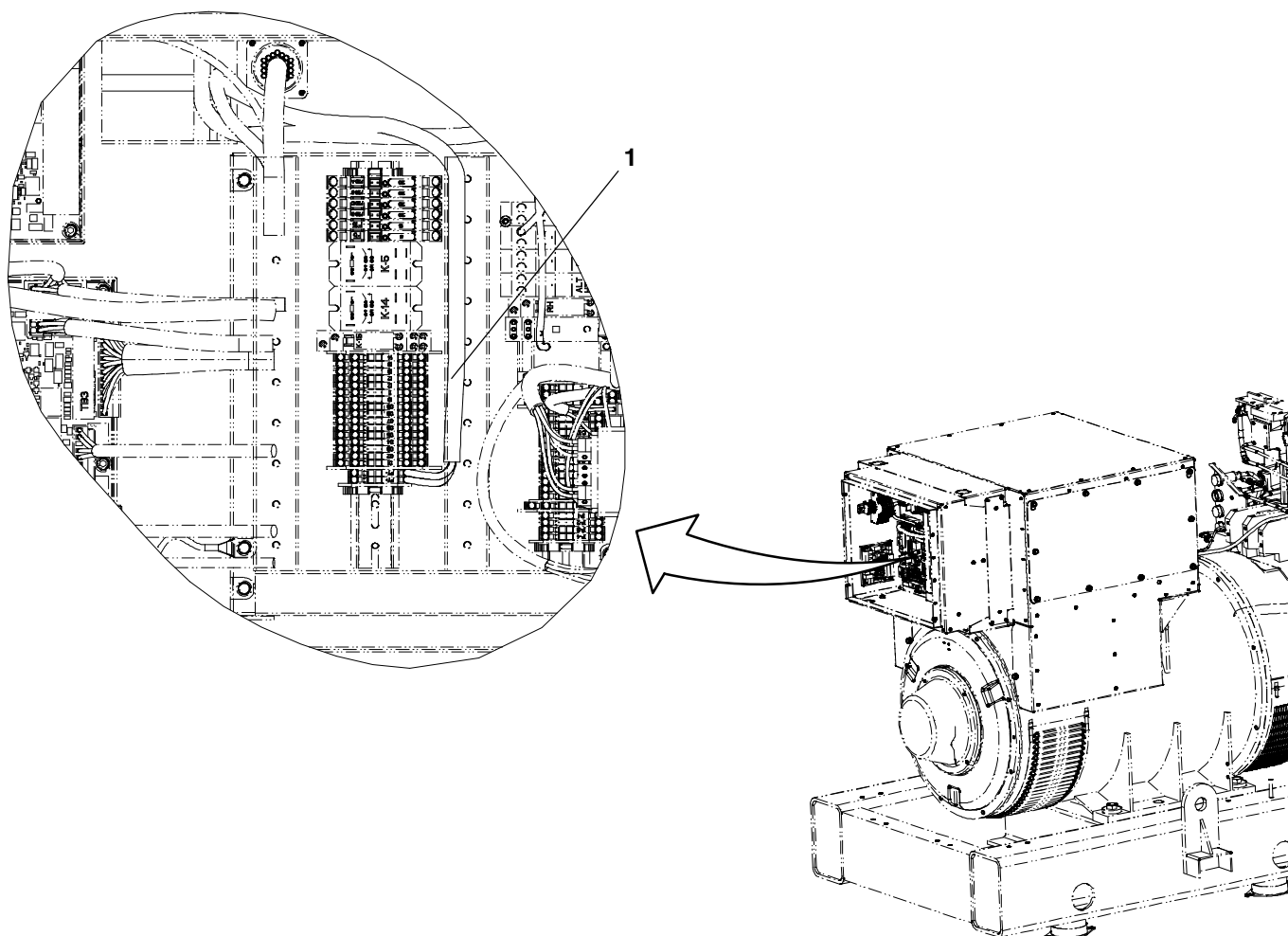
Item	Part No.	Description	Qty
1	A051L295	Holder, Fuse	1
2	0249-0818	Base, Relay	1
3	0307-3009-03	Timer	1
4	0307-3007-01	Clip, Timer	1
5	0307-3018	Relay, Temperature	1
6	0321-0402-01	Fuse, Cartridge	2
7	A050Z480	Harness, Wiring	1

Alarm Module



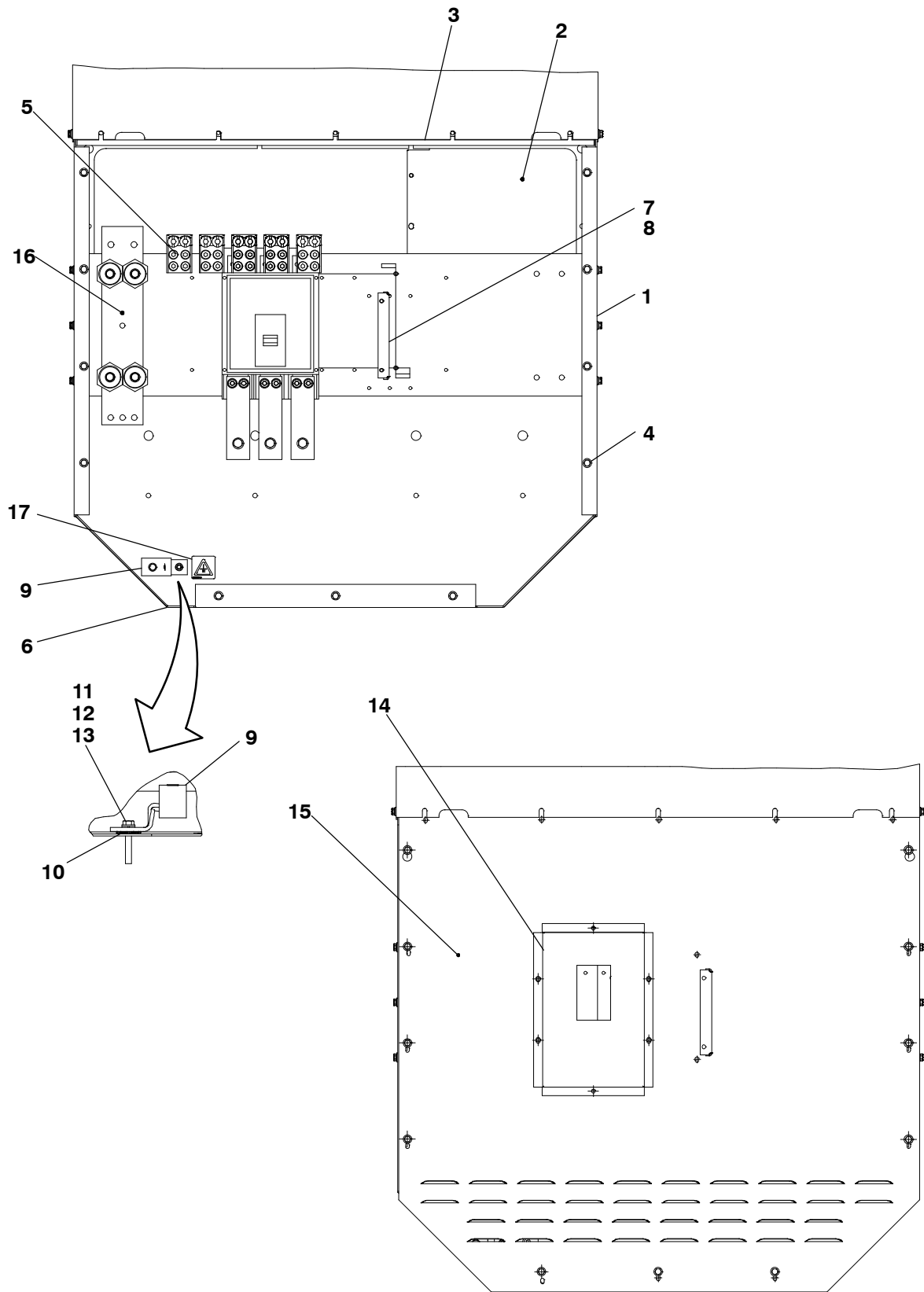
Item	Part No.	Description	Qty
1	0300-5937	Module, Alarm	1
2	0308-1191	Switch, Rocker	1
3	0098-8322	Label, Information	1

Pyrometer



Item	Part No.	Description	Qty
1	0193044602	Sender, Exhaust Gas Temperature	1
2	0332-0941	Tie, Cable (Not Illustrated)	5

Circuit Breaker Box
Left (800A, 1600A)



Circuit Breaker Box – Left (800A, 1600A)

Item	Part No.	Description	Qty
1	0319-6080-02	Box, Circuit Breaker	1
2	0319-5084-02	Panel, Terminal	1
3	0319-5171-02	Cover, Circuit Breaker	1
4	0821-6003-02	Screw, Hex Head	67
5	0319-4630-02	Bracket, Circuit Breaker	1
6	0319-6081-02	Cover, Circuit Breaker	1
7	A026K957	Kit, Circuit Breaker	1
8	0821-6002-03	Screw, Hex Head	8
9	0332-2001	Lug, Solderless	1
10	0856-0013	Washer, Lock	1
11	0850-0114-54	Washer, Lock	1
12	0800-2063	Screw, Hex Head	1
13	0526-0399-60	Washer, Flat	1
14	A026K543	Kit, Circuit Breaker	1
15	0319-6084-02	Cover, Circuit Breaker	1
16	0337-3646-01	Bar, Neutral – 3P (See Page 78 for Components)	1
17	0098-8097	Label, Information	1

Technical drawing of a control cabinet, showing front and rear views with numbered callouts (1-24) indicating components and mounting points.

Front View (Top):

- 1: Door handle
- 2: Top panel
- 3: Bottom panel
- 4: Lock mechanism
- 5: Door latch
- 6: Door hinge
- 7: Mounting bracket
- 8: Mounting hole
- 9: Mounting hole
- 10: Mounting hole
- 11: Mounting hole
- 12: Mounting hole
- 13: Mounting hole
- 14: Mounting hole
- 15: Mounting hole
- 16: Mounting hole
- 17: Mounting hole
- 18: Mounting hole
- 19: Mounting hole
- 20: Mounting hole
- 21: Mounting hole
- 22: Mounting hole
- 23: Mounting hole
- 24: Mounting hole

Rear View (Bottom):

- 1: Door handle
- 2: Top panel
- 3: Bottom panel
- 4: Lock mechanism
- 5: Door latch
- 6: Door hinge
- 7: Mounting bracket
- 8: Mounting hole
- 9: Mounting hole
- 10: Mounting hole
- 11: Mounting hole
- 12: Mounting hole
- 13: Mounting hole
- 14: Mounting hole
- 15: Mounting hole
- 16: Mounting hole
- 17: Mounting hole
- 18: Mounting hole
- 19: Mounting hole
- 20: Mounting hole
- 21: Mounting hole
- 22: Mounting hole
- 23: Mounting hole
- 24: Mounting hole

A large arrow points from the front view to the rear view, indicating the transition between the two views.

Circuit Breaker Box – Left (2000A, 2500A)

Item	Part No.	Description	Qty
1	A054S379	Panel, Circuit Breaker Box	1
2	A054S387	Panel, Circuit Breaker Box	1
3	A054Z765	Panel, Circuit Breaker Box	1
4	A054S389	Panel, Circuit Breaker Box	1
5	A054S796	Bracket, Cover Mounting	1
6	A054S399	Bracket, Circuit Breaker	1
7	A050L151	Bar, Neutral	1
8	A054S784	Cover, Circuit Breaker Box	1
9	A054W957	Cup, Switch	1
10	0526-0399-64	Washer, Flat	2
11	0850-0114-56	Washer, lock	1
12	0800-3017-58	Screw, Hex Head	2
13	0862-0026-57	Nut, Hex	1
14	0856-0013	Washer, Lock	3
15	0332-2001	Lug, Solderless	1
16	0526-0399-60	Washer, Flat	2
17	0850-0114-54	Washer, lock	1
18	0800-2060	Screw, Hex Head	1
19	0098-8097	Label, Information	1
20	0821-6003-02	Screw, Hex Head	67
21	0862-0026-55	Nut, Hex	1
22	0821-6002-03	Screw, Hex Head	2
23	0337-3587-01	Lead, Earth	2
24	0800-6288-12	Screw, Hex Head	1

Technical drawing of a control cabinet, showing front and rear views with numbered callouts (1-23) indicating components and mounting points.

Front View (Top):

- 1: Cabinet frame
- 2: Top panel
- 3: Bottom panel
- 4: Internal component
- 5: Mounting rail
- 6: Mounting rail
- 7: Mounting rail
- 8: Mounting points
- 9: Mounting points
- 10: Mounting points
- 11: Mounting points
- 12: Mounting points
- 13: Mounting points
- 14: Mounting points
- 15: Mounting points
- 16: Mounting points
- 17: Mounting points
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- 19: Mounting points
- 20: Mounting points
- 21: Mounting points
- 22: Mounting points
- 23: Mounting points

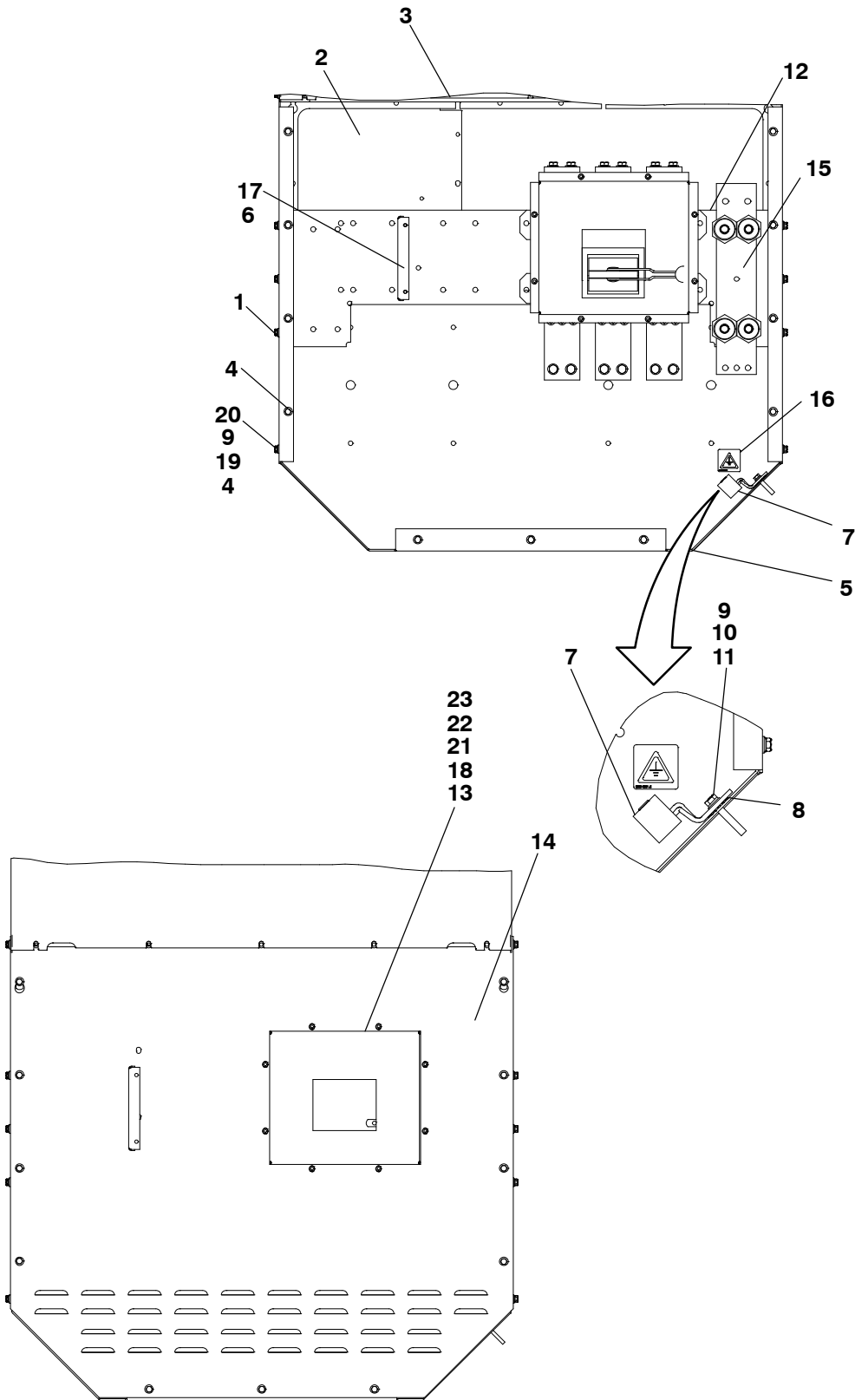
Rear View (Bottom):

- 1: Cabinet frame
- 2: Top panel
- 3: Bottom panel
- 4: Internal component
- 5: Mounting rail
- 6: Mounting rail
- 7: Mounting rail
- 8: Mounting points
- 9: Mounting points
- 10: Mounting points
- 11: Mounting points
- 12: Mounting points
- 13: Mounting points
- 14: Mounting points
- 15: Mounting points
- 16: Mounting points
- 17: Mounting points
- 18: Mounting points
- 19: Mounting points
- 20: Mounting points
- 21: Mounting points
- 22: Mounting points
- 23: Mounting points

Circuit Breaker Box – Right (1600A)

Item	Part No.	Description	Qty
1	A054S379	Panel, Circuit Breaker Box	1
2	A054S387	Panel, Circuit Breaker Box	1
3	A054Z765	Panel, Circuit Breaker Box	1
4	A054S389	Panel, Circuit Breaker Box	1
5	A054S395	Bracket, Circuit Breaker	1
6	A054S796	Bracket, Cover Mounting	1
7	A050L149	Bar, Neutral	1
8	A054T544	Cover, Circuit Breaker Box	1
9	A054W955	Cup, Switch	1
10	0526-0399-64	Washer, Flat	4
11	0850-0114-56	Washer, lock	2
12	0800-3017-58	Screw, Hex Head	2
13	0862-0026-57	Nut, Hex	2
14	0856-0013	Washer, Lock	2
15	0332-2001	Lug, Solderless	1
16	0526-0399-60	Washer, Flat	2
17	0850-0114-54	Washer, Lock	1
18	0800-2060	Screw, Hex Head	1
19	0098-8097	Label, Information	1
20	0821-6003-02	Screw, Hex Head	65
21	0862-0026-55	Nut, Hex	1
22	0821-6002-03	Screw, Hex Head	2
23	0337-3587-01	Lead, Earth	2

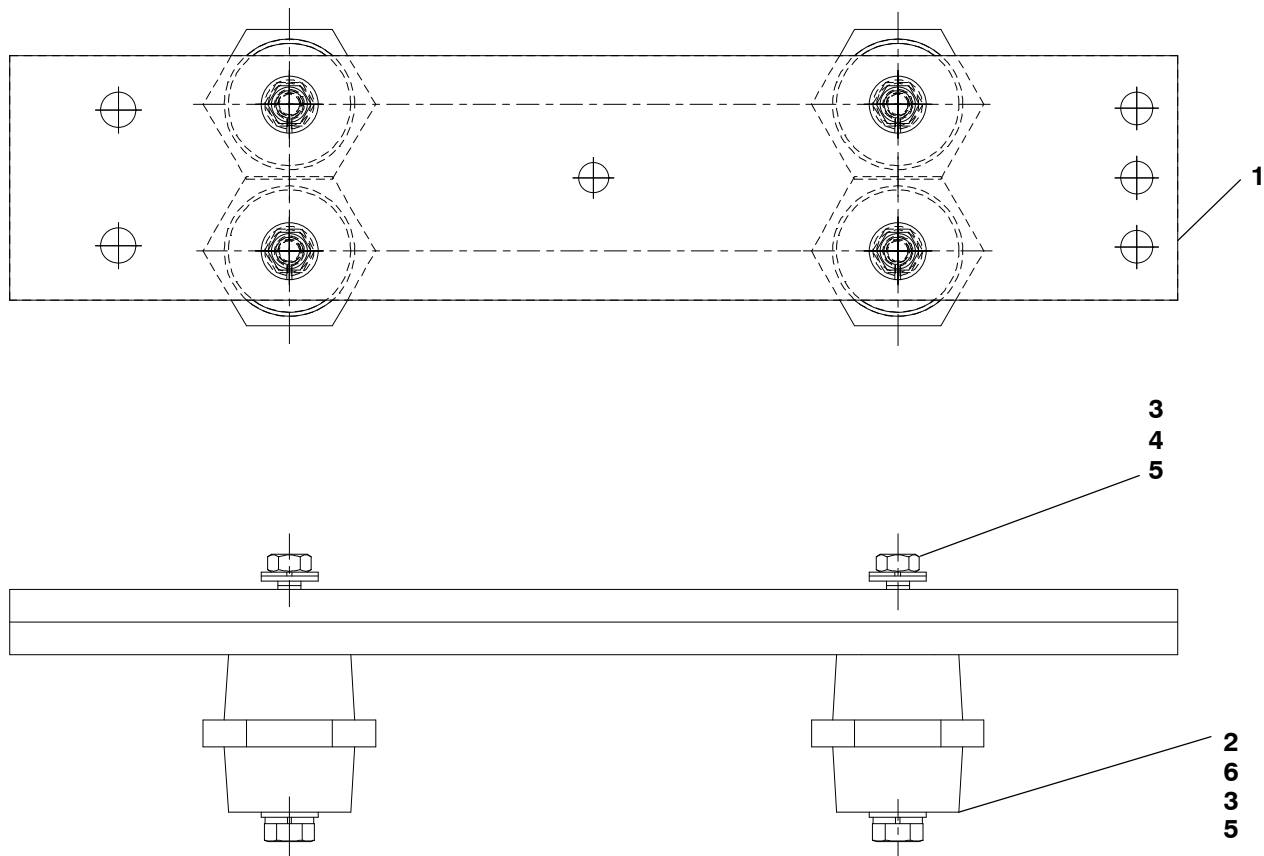
Circuit Breaker Box – Right (2000A, 2500A)



Circuit Breaker Box – Right (2000A, 2500A)

Item	Part No.	Description	Qty
1	0319-6080-02	Box, Circuit Breaker	1
2	0319-5084-02	Panel, Terminal	1
3	0319-5171-02	Cover, Circuit Breaker	1
4	0821-6003-02	Screw, Hex Head	55
5	0319-6081-02	Cover, Circuit Breaker	1
6	0821-6002-03	Screw, Hex Head	8
7	0332-2001	Lug, Solderless	1
8	0856-0013	Washer, Lock	1
9	0850-0114-54	Washer, Lock	7
10	0800-2063	Screw, Hex Head	1
11	0526-0399-60	Washer, Flat	1
12	0319-5315-02	Bracket, Circuit Breaker	1
13	A026K618	Kit, Circuit Breaker	1
14	0319-6079-02	Cover, Circuit Breaker	1
15	0337-3646-02	Bar, Neutral – 3P (See Page 78 for Components)	1
16	0098-8097	Label, Information	1
17	A026K257	Kit, Circuit Breaker	1
18	0800-3017-04	Screw, Hex Head	8
19	0526-0399-61	Washer, Flat	6
20	0862-0026-55	Nut, Hex	6
21	0526-0399-58	Washer, Flat	16
22	0850-0114-53	Washer, Lock	8
23	0862-0026-54	Nut, Hex	8

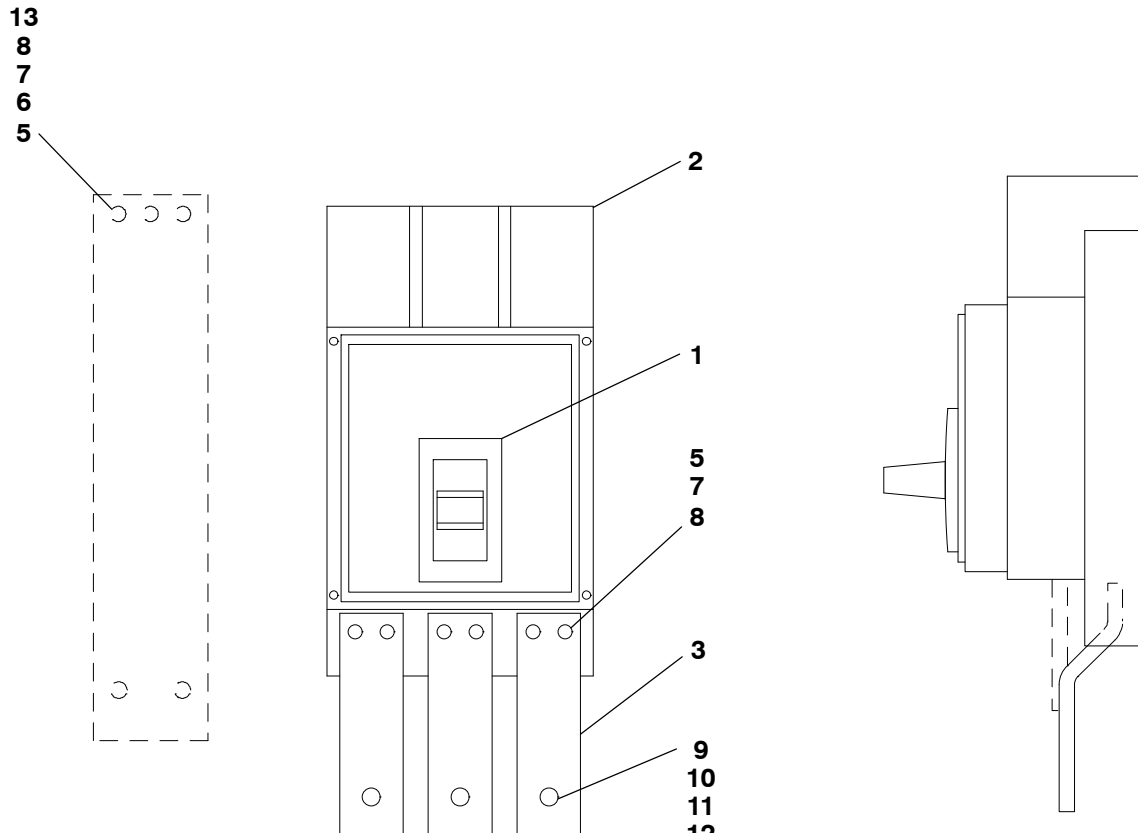
Neutral Bar



Item	Part No.	Description	Qty
1	0337-3645	Busbar, Neutral	1
2	0872-0013	Standoff	4
3	0526-0399-62	Washer, Flat	8
4		Screw, Hex Head	
	0800-3017-37	800, 1000A	4
	0800-3017-40	2000, 2500A	4
5	0850-0114-55	Washer, Lock	8
6		Screw, Hex Head	4
	0800-3017-35	Up to (Spec F)	
	0800-6494-42	Begin (Spec G)	

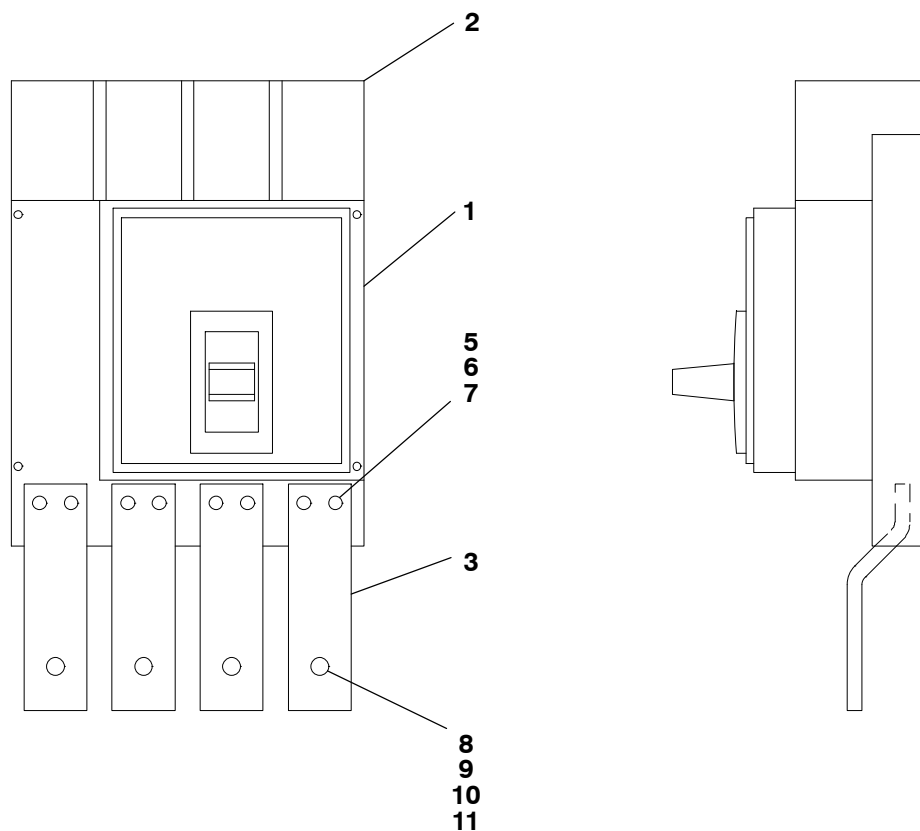
Circuit Breaker

1000A, 1250A 3P



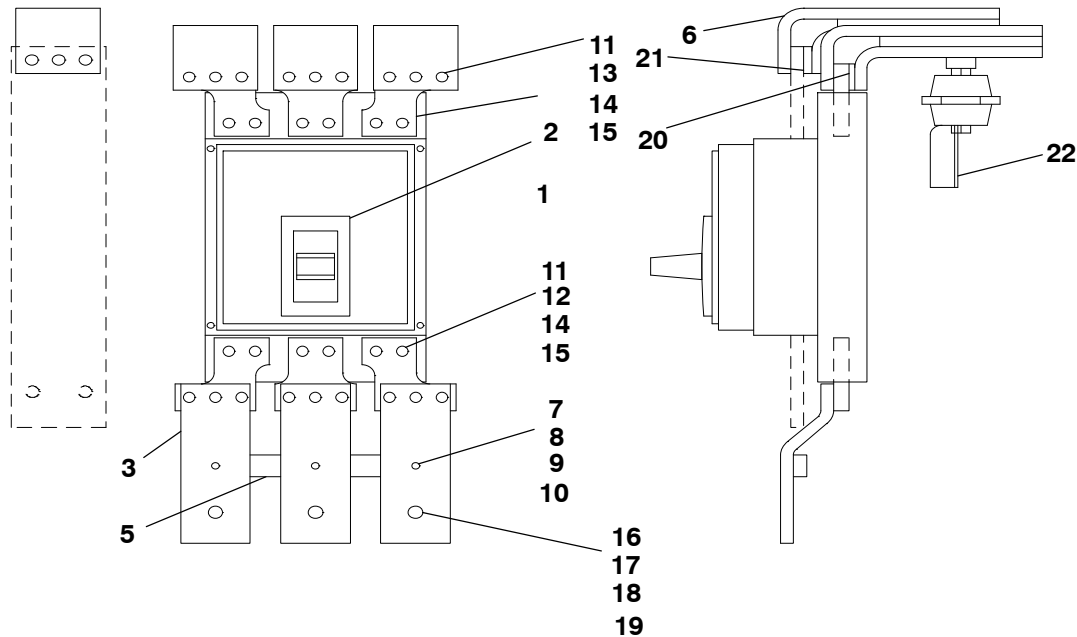
Item	Part No.	Description	Qty
1		Breaker, Circuit	
	0320-2063	1000A, 3P, HC4-7	1
	0320-2065	1250A, 3P, HC4-7	1
2	0320-2079	Connector, Cable	1
3	0337-3551	Busbar, Load	3
4	0337-3587-01	Lead, Earth	2
5	0526-0399-62	Washer, Flat	18
6		Screw, Hex Head	3
	0800-3017-38	Up to (Spec F)	
	0800-6494-45	Begin (Spec G)	
7	0850-0114-55	Washer, Lock	12
8	0862-0026-56	Nut, Hex	12
9	0526-0399-64	Washer, Flat	10
10		Screw, Hex Head	5
	0800-3017-58	Up to (Spec F)	
	0800-6494-65	Begin (Spec G)	
11	0850-0114-56	Washer, Lock	5
12	0862-0026-57	Nut, Hex	5
13	0800-3017-40	Screw, Hex Head	3

Circuit Breaker – 1000A, 1250A 4P



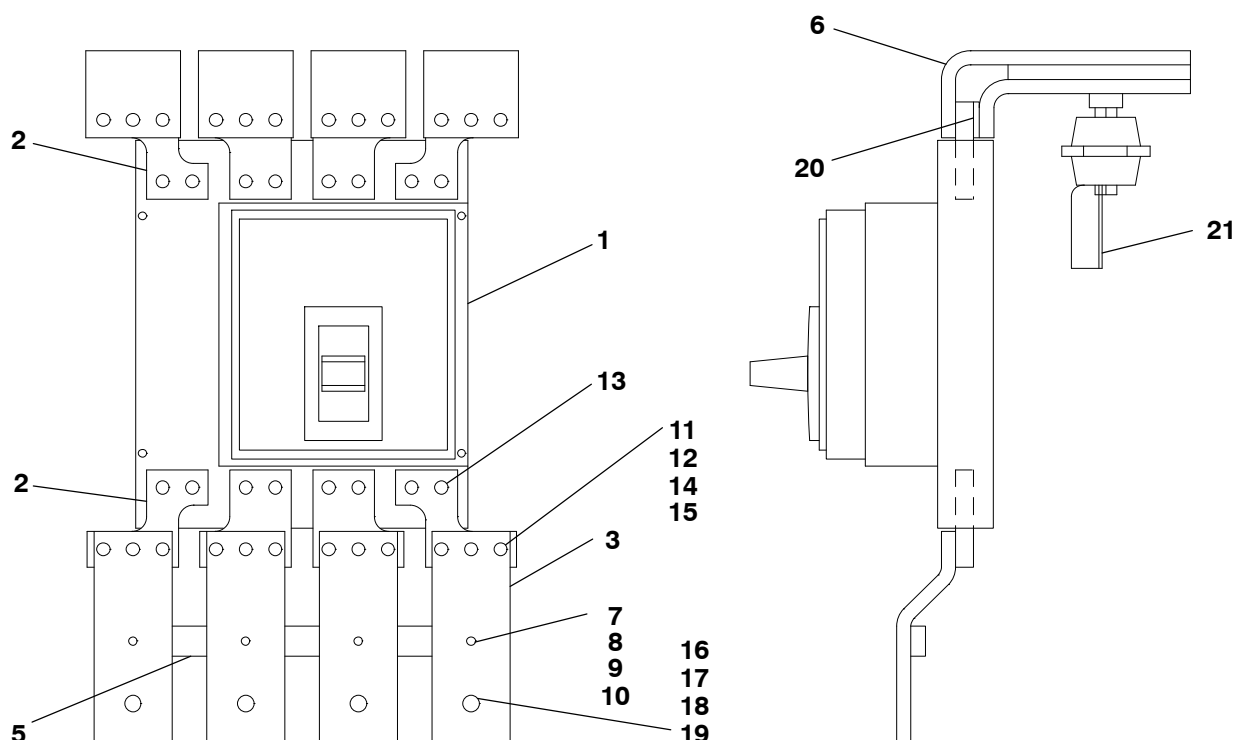
Item	Part No.	Description	Qty
1		Breaker, Circuit	
	0320-2062	1000A, 4P, HC4-7	1
	0320-2066	1250A, 4P, HC4-7	1
2	0320-2080	Connector, Cable	1
3	0337-3551	Busbar, Load	4
4	0337-3585-01	Lead, Earth	1
5	0526-0399-62	Washer, Flat	8
6	0850-0114-55	Washer, Lock	8
7	0862-0026-56	Nut, Hex	8
8	0526-0399-64	Washer, Flat	8
9	0800-3017-58	Screw, Hex Head	4
10	0850-0114-56	Washer, Lock	4
11	0862-0026-57	Nut, Hex	4

Circuit Breaker – 1600A 3P



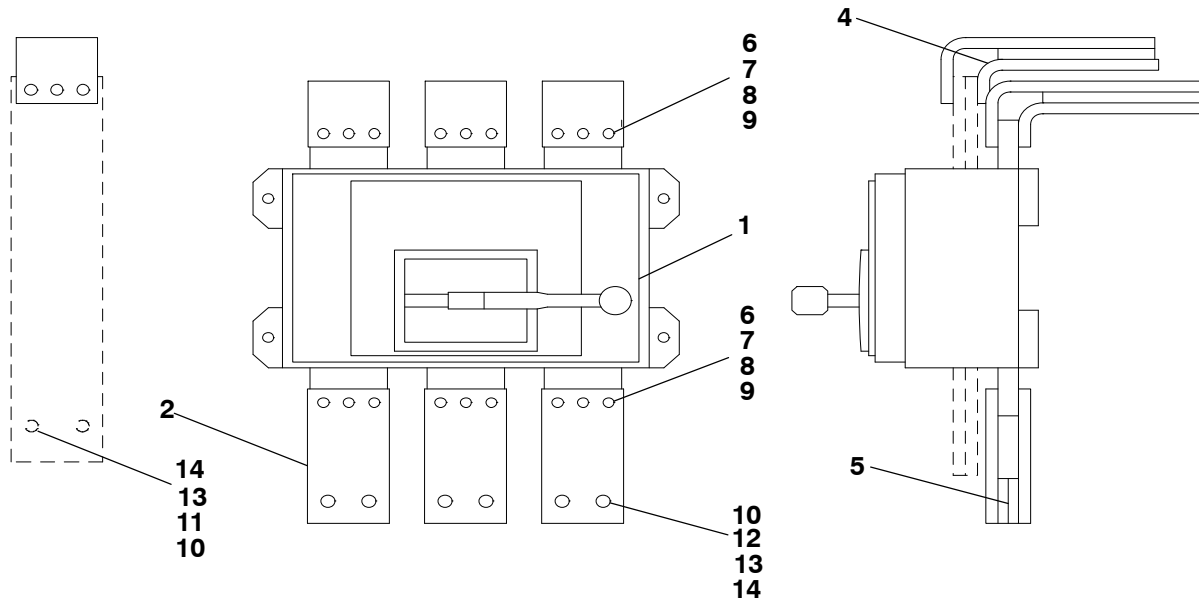
Item	Part No.	Description	Qty
1	0320-2067	Breaker, Circuit – 1600A, 3P, HC6/P7	1
2	0320-2089	Spreader, Terminal	2
3	0337-3551	Busbar, Load	3
4	A034J210	Lead, Ground	2
5	0337-3606	Brace, Busbar	1
6	0337-3932	Busbar	4
7	0526-0399-58	Washer, Flat	6
8	0800-3017-08	Screw, Hex Head	3
9	0850-0114-53	Washer, Lock	3
10	0862-0026-54	Nut, Hex	3
11	0526-0399-62	Washer, Flat	42
12	0800-3017-41	Screw, Hex Head	9
13		Screw, Hex Head	12
	0800-3017-44	Up to (Spec F)	
	0800-6494-51	Begin (Spec G)	
14	0850-0114-55	Washer, Lock	21
15	0862-0026-56	Nut, Hex	21
16	0526-0399-64	Washer, Flat	10
17	0800-3017-58	Screw, Hex Head	5
18	0850-0114-56	Washer, Lock	5
19	0862-0026-57	Nut, Hex	5
20	0337-3934	Spacer, Busbar	3
21	0337-3935	Spacer, Busbar	1
22	0300-6608	Control	1

Circuit Breaker – 1600A 4P



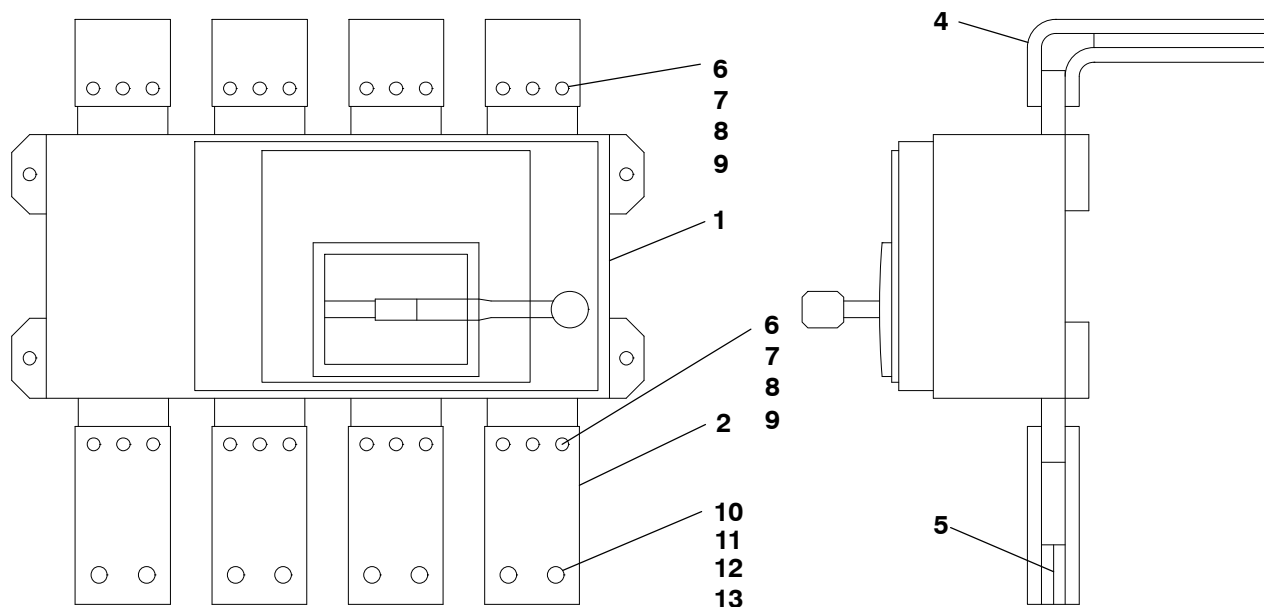
Item	Part No.	Description	Qty
1	0320-2068	Breaker, Circuit – 1600A, 4P, HC6/P7	1
2	0320-2090	Spreader, Terminal	2
3	0337-3552	Busbar, Load	4
4	A034J210	Lead, Ground	2
5	0337-3617	Brace, Busbar	1
6	0337-3932	Busbar	4
7	0526-0399-58	Washer, Flat	8
8	0800-3017-08	Screw, Hex Head	4
9	0850-0114-53	Washer, Lock	4
10	0862-0026-54	Nut, Hex	4
11	0526-0399-62	Washer, Flat	42
12	0800-3017-41	Screw, Hex Head	12
13	0800-3017-44	Screw, Hex Head	12
14	0850-0114-55	Washer, Lock	24
15	0862-0026-56	Nut, Hex	24
16	0526-0399-64	Washer, Flat	8
17	0800-3017-58	Screw, Hex Head	4
18	0850-0114-56	Washer, Lock	4
19	0862-0026-57	Nut, Hex	4
20	0337-3934	Spacer, Busbar	4
21	0300-6622	Control	1

Circuit Breaker – 2000A 3P



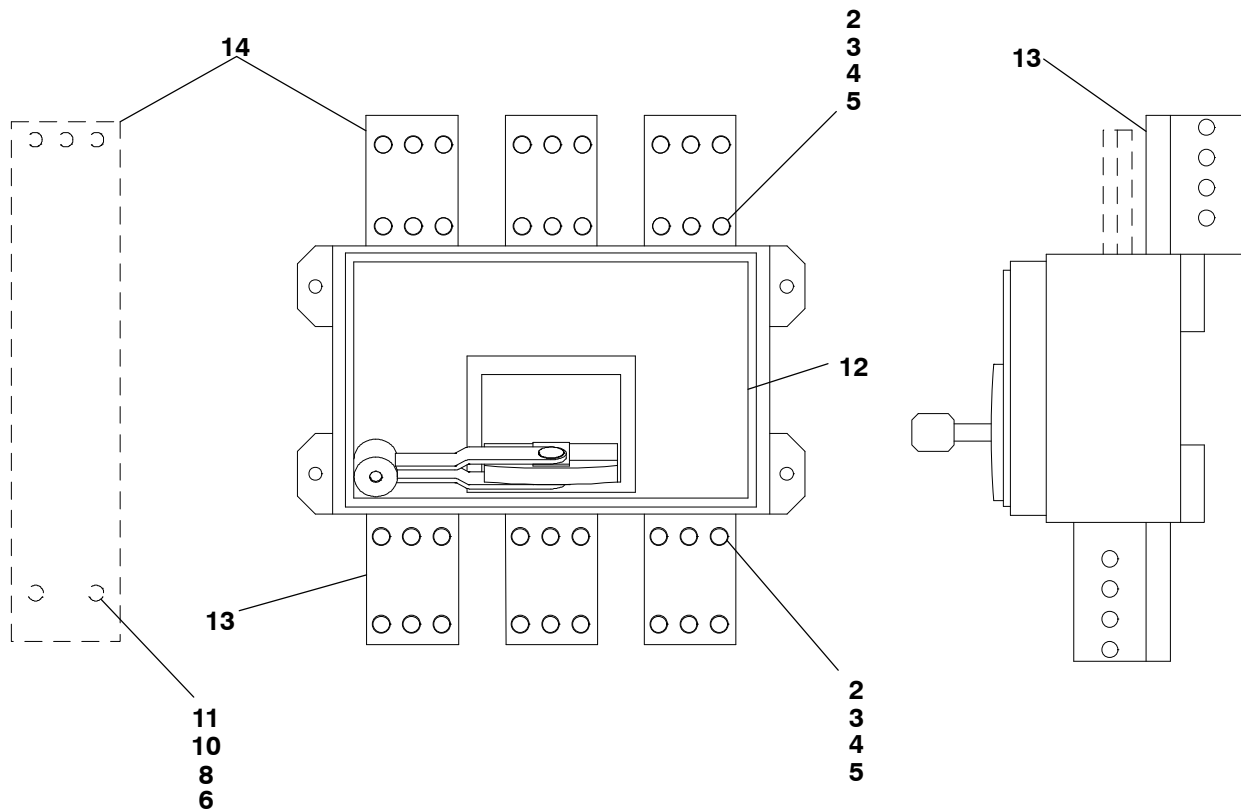
Item	Part No.	Description	Qty
1	0320-2233	Breaker, Circuit – 2000A, 3P, HC6/P7	1
2	0337-3676	Busbar, Load	6
3	A034J210	Lead, Ground	2
4	0337-3932	Busbar	4
5	0337-3677	Spacer, Busbar	6
6	0526-0399-62	Washer, Flat	42
7		Screw, Hex Head	21
	0800-3017-46	Up to (Spec F)	
	0800-6494-53	Begin (Spec G)	
8	0850-0114-55	Washer, Lock	21
9	0862-0026-56	Nut, Hex	21
10	0526-0399-64	Washer, Flat	16
11		Screw, Hex Head	2
	0800-3017-59	Up to (Spec F)	
	0800-6494-66	Begin (Spec G)	
12		Screw, Hex Head	6
	0800-3017-63	Up to (Spec F)	
	0800-6494-70	Begin (Spec G)	
13	0850-0114-56	Washer, Lock	8
14	0862-0026-57	Nut, Hex	8

Circuit Breaker – 2000A 4P



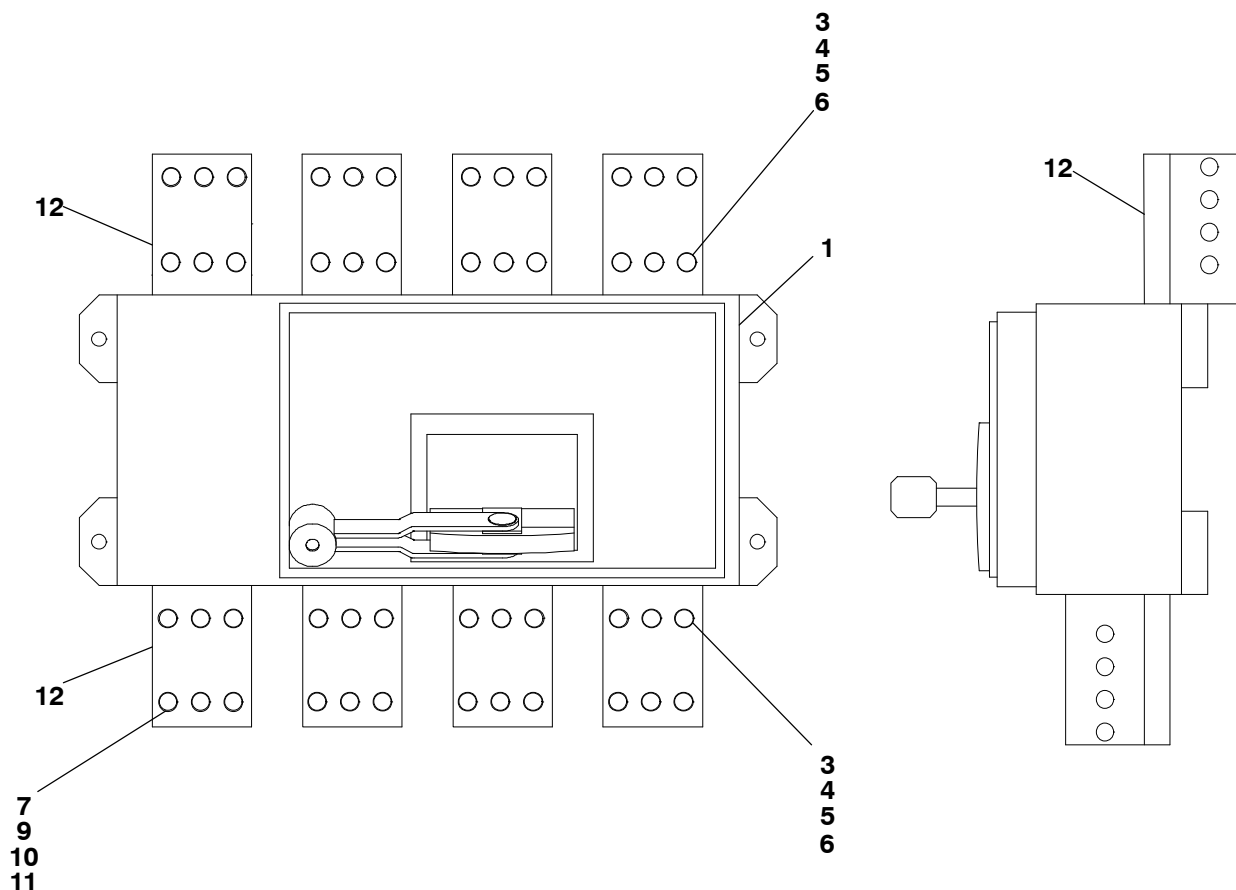
Item	Part No.	Description	Qty
1	0320-2234	Breaker, Circuit – 2000A, 4P, HC6/P7	1
2	0337-3676	Busbar, Load	8
3	A034J210	Lead, Ground	2
4	0337-3932	Busbar	4
5	0337-3677	Spacer, Busbar	8
6	0526-0399-62	Washer, Flat	32
7	0800-3017-44	Screw, Hex Head	16
8	0850-0114-55	Washer, Lock	16
9	0862-0026-56	Nut, Hex	16
10	0526-0399-64	Washer, Flat	16
11	0800-3017-63	Screw, Hex Head	8
12	0850-0114-56	Washer, Lock	8
13	0862-0026-57	Nut, Hex	8

Circuit Breaker – 2500A 3P



Item	Part No.	Description	Qty
1	0337-3587-01	Lead, Earth	2
2	0526-0399-62	Washer, Flat	28
3	0800-3017-44	Screw, Hex Head	14
4	0850-0114-55	Washer, Lock	14
5	0862-0026-56	Nut, Hex	14
6	0526-0399-64	Washer, Flat	48
7	0800-3017-57	Screw, Hex Head	16
8	0800-3017-59	Screw, Hex Head	2
9	0800-3017-63	Screw, Hex Head	6
10	0850-0114-56	Washer, Lock	24
11	0862-0026-57	Nut, Hex	24
12	0320-2282	Breaker, Circuit – 2500A, 3P, P7	1
13	0337-3787-01	Busbar	1
14	0337-3787-02	Busbar	1

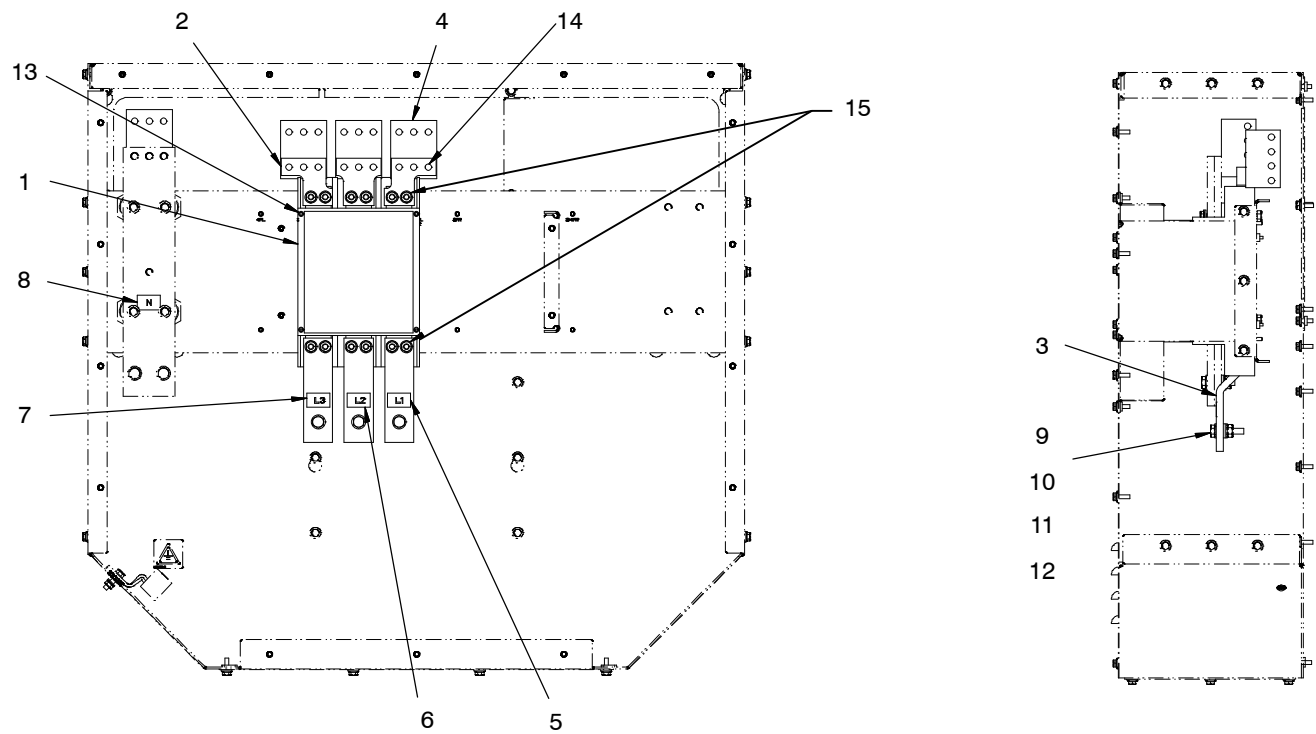
Circuit Breaker – 2500A 4P



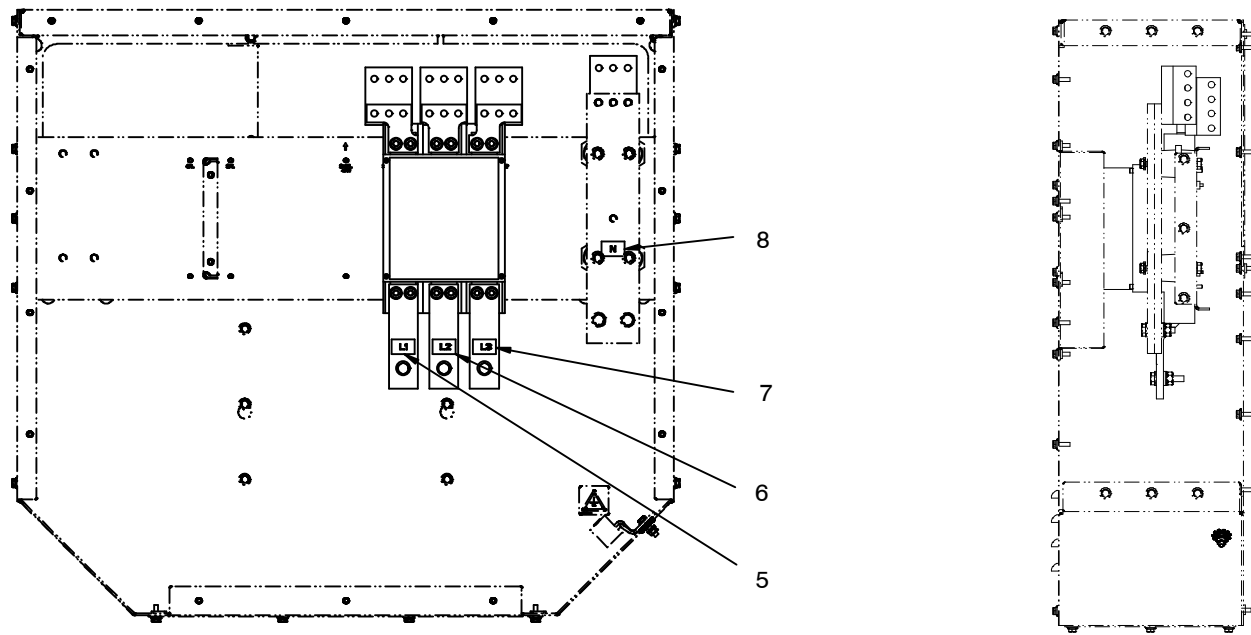
Item	Part No.	Description	Qty
1	0320-2283	Breaker, Circuit – 2500A, 4P, P7	1
2	0337-3587-01	Lead, Earth	2
3	0526-0399-62	Washer, Flat	32
4	0800-3017-44	Screw, Hex Head	16
5	0850-0114-55	Washer, Lock	16
6	0862-0026-56	Nut, Hex	16
7	0526-0399-64	Washer, Flat	48
8	0800-3017-57	Screw, Hex Head	16
9	0800-3017-63	Screw, Hex Head	8
10	0850-0114-56	Washer, Lock	24
11	0862-0026-57	Nut, Hex	24
12	0337-3787-02	Busbar	2

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Motorized Circuit Breaker – 1250A 3P



HC6 Alternator Arrangement (LH Version Shown)

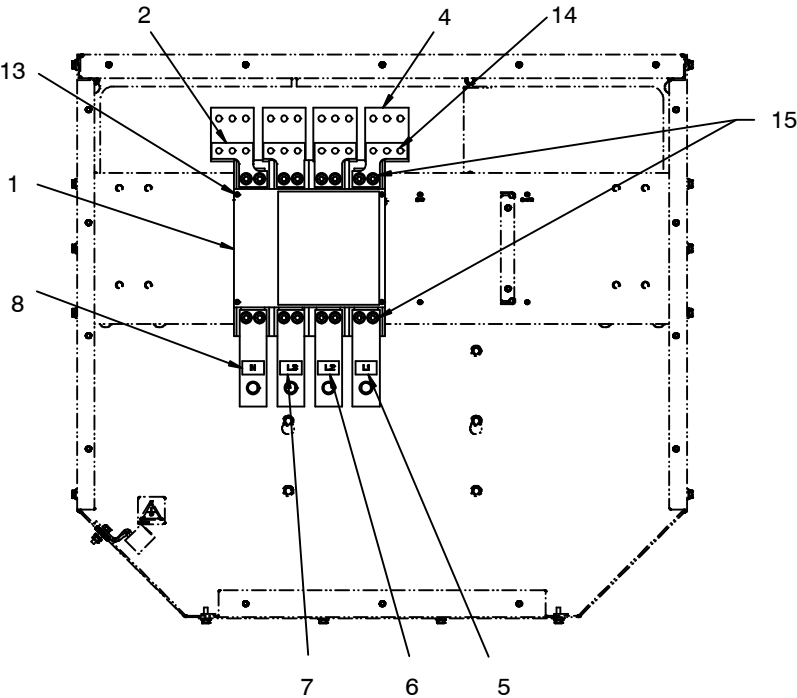


HC5 Alternator Arrangement (RH Version Shown)

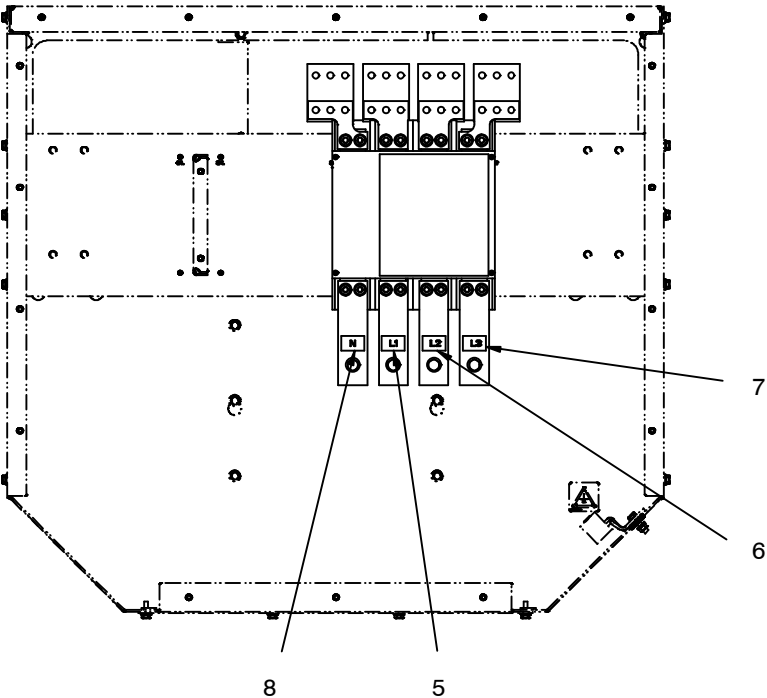
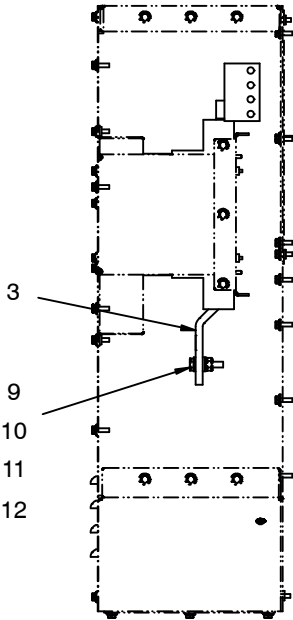
Motorized Circuit Breaker – 1250A 3P

Item	Part No.	Description	Qty
1	0320-2131	Breaker, Circuit	1
2	0320-2090	Spreader, terminal	2
3	0337-3552	Busbar, load	4
4	0337-3787-02	Busbar	1
5	0098-8213-01	Label	1
6	0098-8213-02	Label	1
7	0098-8213-03	Label	1
8	0098-8213-04	Label, Information	1
9	0526-0399-64	Washer, Flat	16
10	0850-0114-56	Washer, Lock	8
11	0800-3017-58	Screw, Hex Head	8
12	0862-0026-57	Nut, Hex	8
13	A034F487	Screw, Socket Head *	4
14		Fastener (Supplied with Busbars – 0337-3787-02 – as one part)	
15		Fastener (Supplied with Circuit Breaker – 0320 2129 – as one part)	
* Do not use bolts supplied with Circuit Breaker to attach to Panel. Only use nuts and washers supplied with Circuit Breaker.			

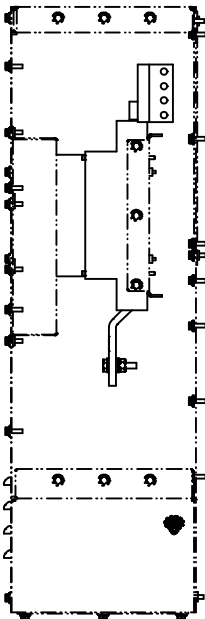
Motorized Circuit Breaker – 1250A 4P



HC6 Alternator Arrangement (LH Version Shown)



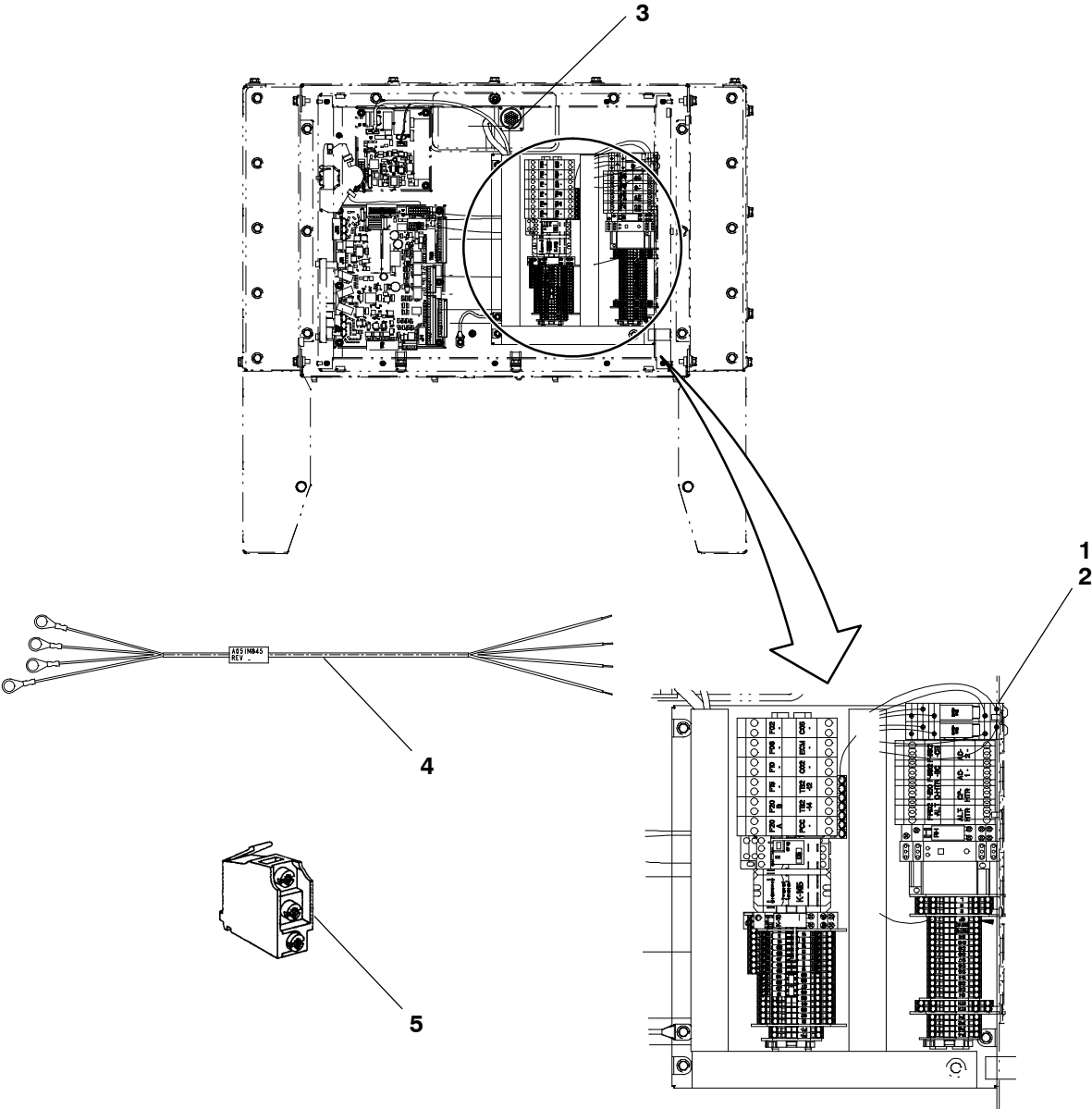
HC5 Alternator Arrangement (RH Version Shown)



Motorized Circuit Breaker – 1250A 4P

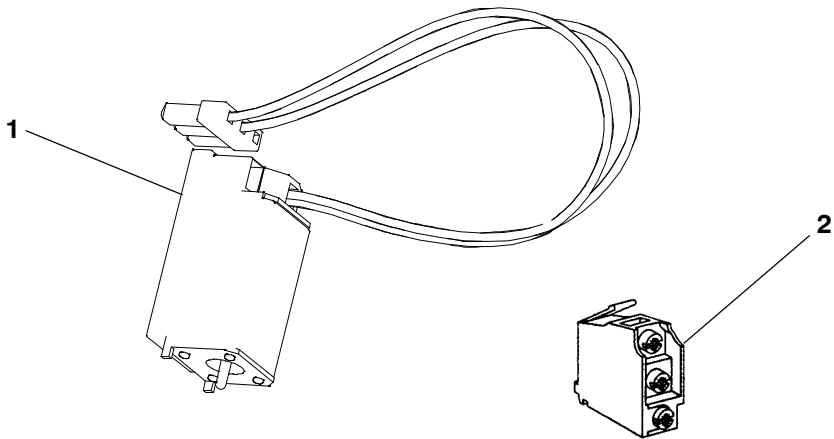
Item	Part No.	Description	Qty
1	0320-2131	Breaker, Circuit	1
2	0320-2090	Spreader, Terminal	2
3	0337-3552	Busbar, Load	4
4	0337-3787-02	Busbar	1
5	0098-8213-01	Label	1
6	0098-8213-02	Label	1
7	0098-8213-03	Label	1
8	0098-8213-04	Label, Information	1
9	0526-0399-64	Washer, Flat	16
10	0850-0114-56	Washer, Lock	8
11	0800-3017-58	Screw, Hex Head	8
12	0862-0026-57	Nut, Hex	8
13	A034F487	Screw, Socket Head *	4
14		Fastener (Supplied with busbars – 0337-3787-02 – as one part)	
15		Fastener (Supplied with Circuit Breaker – 0320-2114 – as one part)	
* Do not use bolts supplied with Circuit Breaker to attach to Panel. Only use nuts and washers supplied with Circuit Breaker.			

Motorized Circuit Breaker Harness



Item	Part No.	Description	Qty
1	A052K258	Base, Relay	2
2	A052K254	Relay, Control	2
3	A052K517	Harness, Circuit Breaker	1
4	A051M845	Harness, Wiring	1
5	0320-1981-01	Contact, Auxiliary	3
6	0320-2100	Trip, Under Voltage (Not Shown)	1

Shunt Trip and Auxiliary Contact



Item	Part No.	Description	Qty
1	0320-2078	Trip, Shunt	1
2	0320-1981-01	Switch, SPDT	1

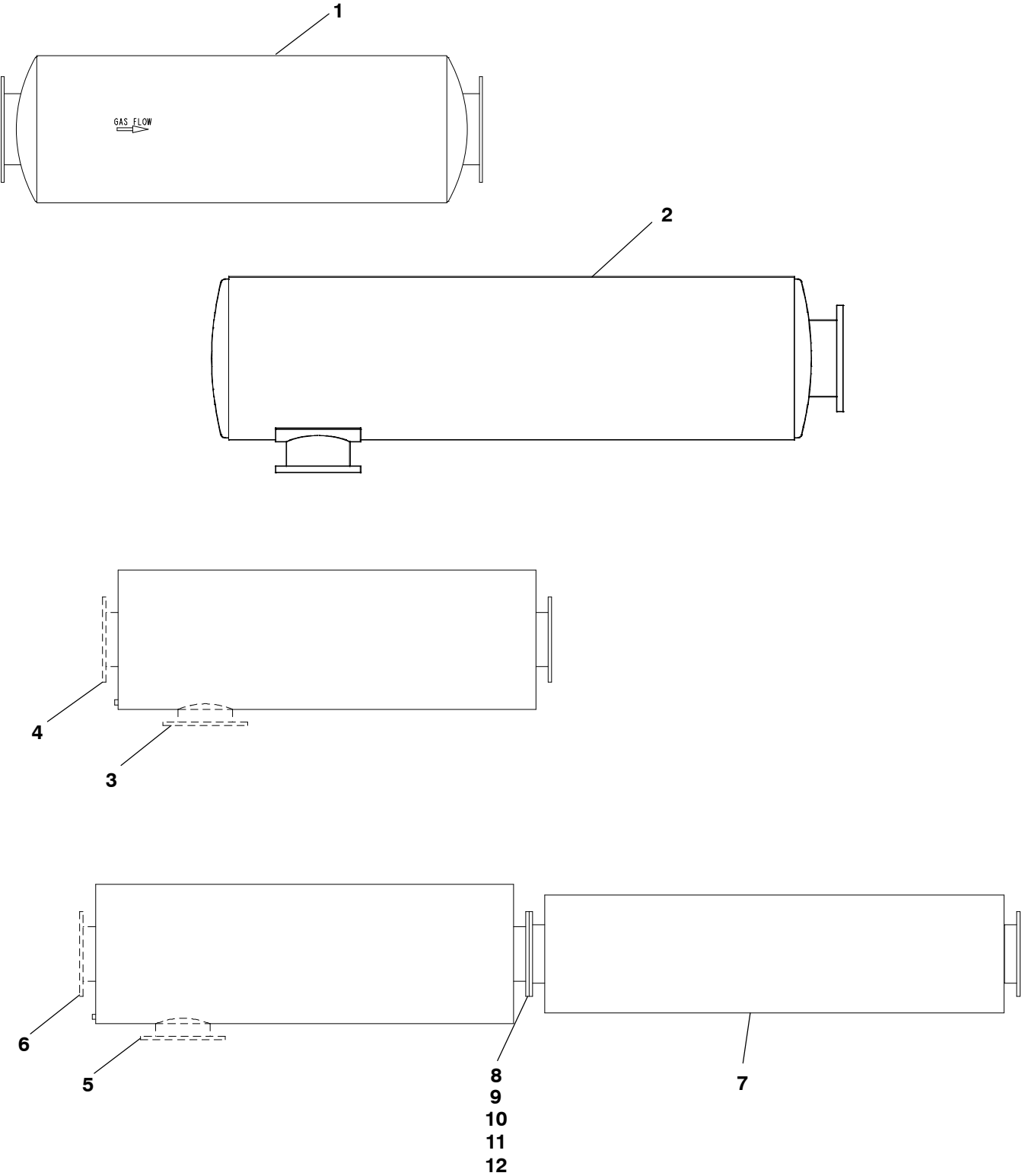
Lead Package

Item	Part No.	Description	Qty
		3 Pole 1001-1250A	
	0226-4406-04	Lead, Electrical	6
	0226-4406-03	Lead, Electrical	18
		4 Pole 1001-1250A	
	0226-4406-03	Lead, Electrical	24
		1600A RHS	
	0226-4498-03	Lead, Electrical	32
	0098-8213-01	Label	16
	0098-8213-02	Label	16
	0098-8213-03	Label	16
	0098-8213-04	Label, Information	16
	0850-0114-56	Washer, Lock	8
	0526-0399-64	Washer, Flat	16
	0862-0026-57	Nut, Hex	8
	0800-3017-57	Screw, Hex Head	8
		1600A LHS	
	0226-4406-04	Lead, Electrical	32
	0098-8213-01	Label	16
	0098-8213-02	Label	16
	0098-8213-03	Label	16
	0098-8213-04	Label, Information	16
	0850-0114-56	Washer, Lock	8
	0526-0399-64	Washer, Flat	16
	0862-0026-57	Nut, Hex	8
	0800-3017-57	Screw, Hex Head	8
		2000A RHS	
	0226-4498-03	Lead, Electrical	40
	0098-8213-01	Label	20
	0098-8213-02	Label	20
	0098-8213-03	Label	20
	0098-8213-04	Label, Information	20
	0850-0114-56	Washer, Lock	12
	0526-0399-64	Washer, Flat	24
	0862-0026-57	Nut, Hex	12
	0800-3017-57	Screw, Hex Head	12

Lead Package (Continued)

Item	Part No.	Description	Qty
		2000A LHS	
	0226-4406-04	Lead, Electrical	40
	0098-8213-01	Label	20
	0098-8213-02	Label	20
	0098-8213-03	Label	20
	0098-8213-04	Label, Information	20
	0850-0114-56	Washer, Lock	12
	0526-0399-64	Washer, Flat	24
	0862-0026-57	Nut, Hex	12
	0800-3017-57	Screw, Hex Head	12
		2500A LHS	
	0226-4406-04	Lead, Electrical	48
	0098-8213-01	Label	24
	0098-8213-02	Label	24
	0098-8213-03	Label	24
	0098-8213-04	Label, Information	24
	0850-0114-56	Washer, Lock	16
	0526-0399-64	Washer, Flat	32
	0862-0026-57	Nut, Hex	16
	0800-3017-57	Screw, Hex Head	16
		2500A RHS	
	0226-4498-03	Lead, Electrical	48
	0098-8213-01	Label	24
	0098-8213-02	Label	24
	0098-8213-03	Label	24
	0098-8213-04	Label, Information	24
	0850-0114-56	Washer, Lock	16
	0526-0399-64	Washer, Flat	32
	0862-0026-57	Nut, Hex	16
	0800-3017-57	Screw, Hex Head	16

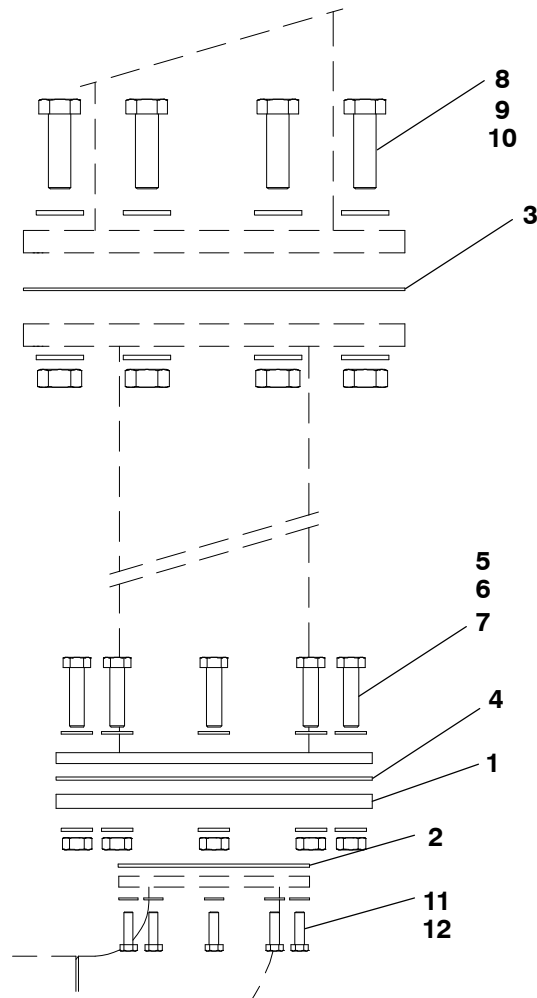
Silencer



Silencer

Item	Part No.	Description	Qty
1	0155-4530	Muffler, Inline (9dB) – Industrial	1
2	0155-4531	Muffler, Side (9dB) – Industrial	1
3	0155-4114-02	Muffler, Side (25dB) – Residential	1
4	0155-4114-01	Muffler, Inline (25dB) – Residential	1
5	0155-4115-02	Muffler, Side (35dB) – Critical	1
6	0155-4115-01	Muffler, Inline (35dB) – Critical	1
7	0155-4117-01	Muffler, Inline (35dB) – Critical	1
8	0155-3437	Gasket, Exhaust	1
9	0720-1146	Screw, Hex Head	8
10	0526-0399-70	Washer, Flat	16
11	0850-0114-58	Washer, Lock	8
12	0862-0026-59	Nut, Hex	8

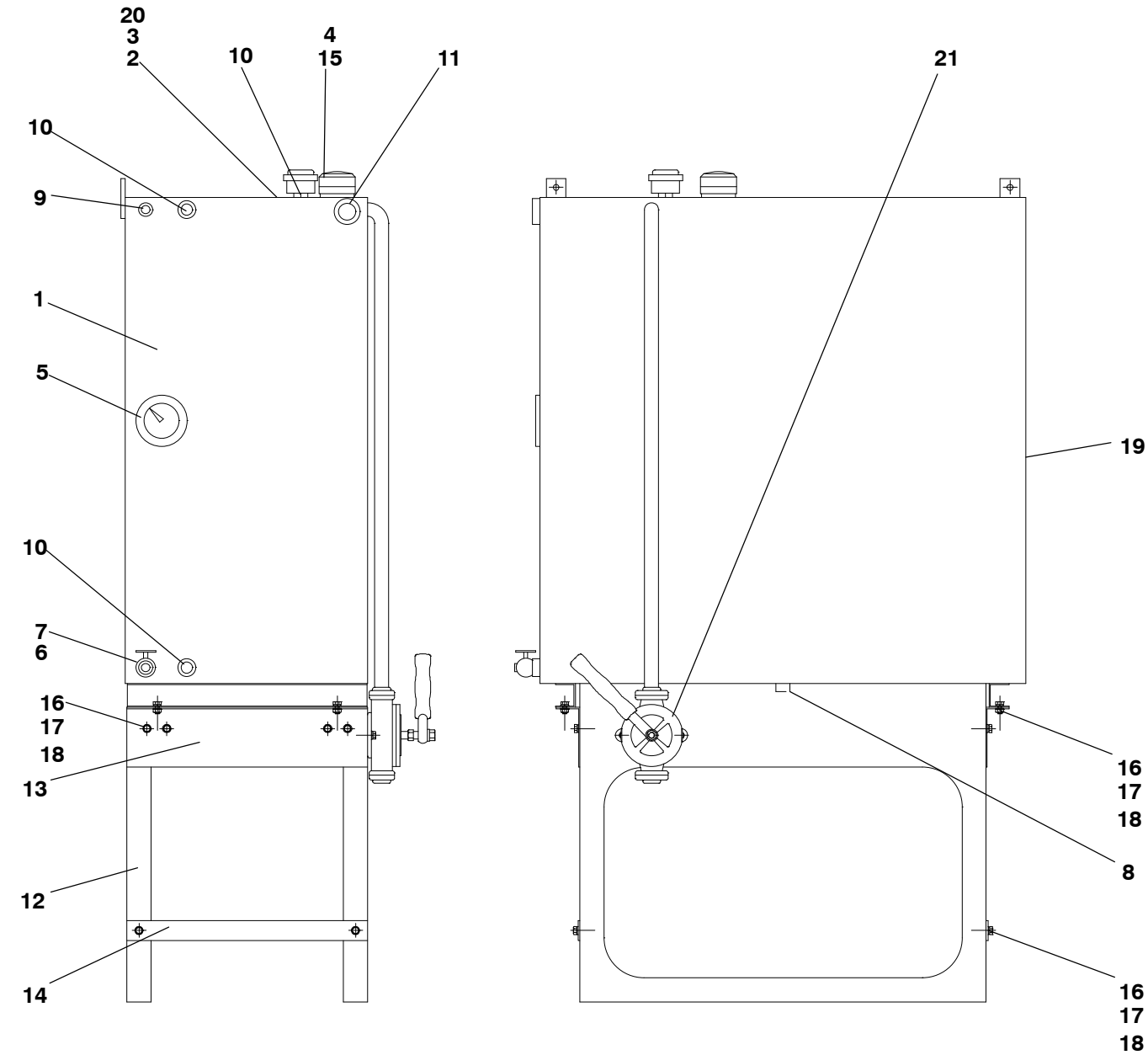
Exhaust – Fixing Kit



Item	Part No.	Description	Qty
1	0155-4124	Adapter, Flanged Pipe	1
2	0155-3710	Gasket	1
3	0155-3437	Gasket, Exhaust	1
4	0155-3483	Gasket, Exhaust	1
5	0800-2177	Screw, Hex Head	8
6	0526-2183	Washer, Flat	16
7		Nut, Lock	8
	0810222506	Up to (Spec F)	
	0860-2127-20	Begin (Spec G)	8
8		Screw, Hex Head	12
	0718-1172	Up to (Spec F)	
	0800-6527-38	Begin (Spec G)	
9	0526-0399-72	Washer	24
10	0810222508	Nut, Lock	12
11	0526-0399-62	Washer, Flat	8
12	0800-2088	Screw, Hex Head	8

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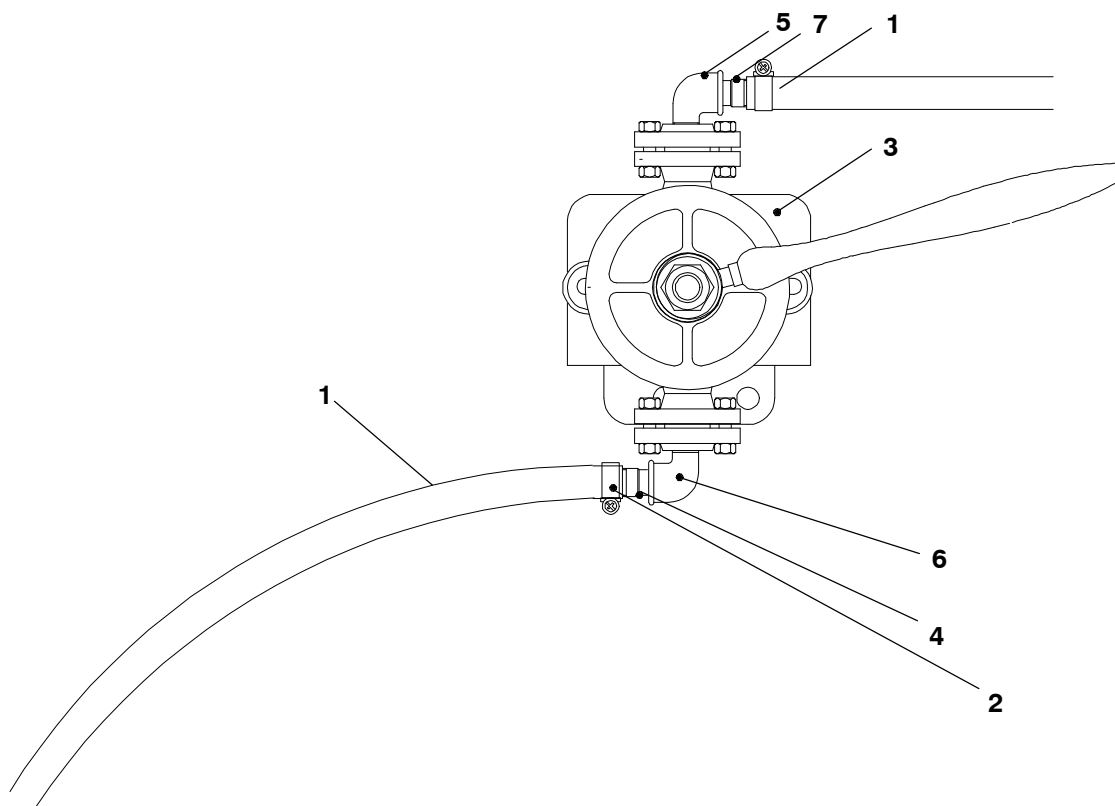
Fuel Tank



Fuel Tank

Item	Part No.	Description	Qty
1		Tank, Fuel	
	0159-1549-02	450L	1
	0159-1547-02	900L	1
	0159-1548-02	1350L	1
2	0159-1550-02	Cover, Tank	1
3	0159-1551	Gasket, Fuel Tank	1
4	0159-1552	Cap, Fill	1
5	0193-0537	Gauge, Level	1
6	0504-0230	Valve, Fuel	1
7	0505-2086	Fitting, Pipe Nipple	1
8	0505-2087	Plug, Pipe	1
9	0505-2088	Plug, Pipe	1
10	0505-1597	Plug	5
11	0505-2090	Plug, Pipe	1
12	0403-4940-02	Frame	2
13		Bracket, Tank	
	0159-1557-02	450L	2
	0159-1558-02	900L	2
	0159-1559-02	1350L	2
14		Bracket, Tank	
	0159-1554-02	450L	2
	0159-1555-02	900L	2
	0159-1556-02	1350L	2
15	0159-1560	Gasket, Fuel Tank	1
16	0800-3017-38	Screw, Hex Head	16
17	0526-0399-62	Washer, Flat	32
18	0870-2225-03	Nut, Lock	16
19	0159-1625	Tank, Fuel	1
20	0821-6002-03	Screw, Hex Head	10
21		Pump, Hand (See Page 102 for Components)	1

Hand Pump – Fuel

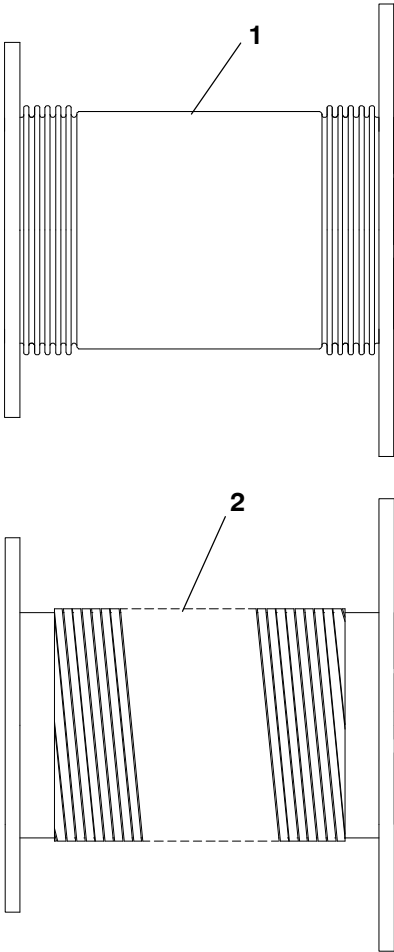


Item	Part No.	Description	Qty
1	0503-2384	Tube, PVC (1" x 1/8" Thick)	3
2	0503-2385	Clip	3
3	0149-2687	Pump, Rotary Hand	1
4	0502-1457	Connection, Hose	3
5	0870-2243	Adapter, Hose (3/4" – 90°)	6
6	0505-1574	Elbow (3/4" – 90°)	4
7	0502-1458	Connector (3/4")	2

Electric Pump – Fuel

Item	Part No.	Description	Qty
	0179-3265	50Hz Electric Pump Kit	
	0120-1344-02	Pump, Oil	1
	0149-2688	Strainer, Fuel	1
	0306-4727	Contactor, Motor	1
	0321-0389	Fuse	3
	0502-1459	Fitting, Union	10
	0503-2386	Hose, Coolant	8
	0504-0230	Valve, Fuel	4
	0505-2094	Tee, Pipe	1
	0505-2105	Bushing, Reducer	2
	0505-2080	Adapter, Pipe	2
	0179-3266	60Hz Electric Pump Kit	
	0120-1344-01	Pump, Oil	1
	0321-0389	Fuse	3
	0306-4727	Contactor, Motor	1

Exhaust Bellows



Item	Part No.	Description	Qty
1		Pipe, Exhaust – Bellows	1
	0155-4122	Up to (Spec F)	
	A057D684	Begin (Spec G)	
2		Pipe, Exhaust – Flexible	1
	0155-4123	Up to (Spec F)	
	A057D685	Begin (Spec G)	

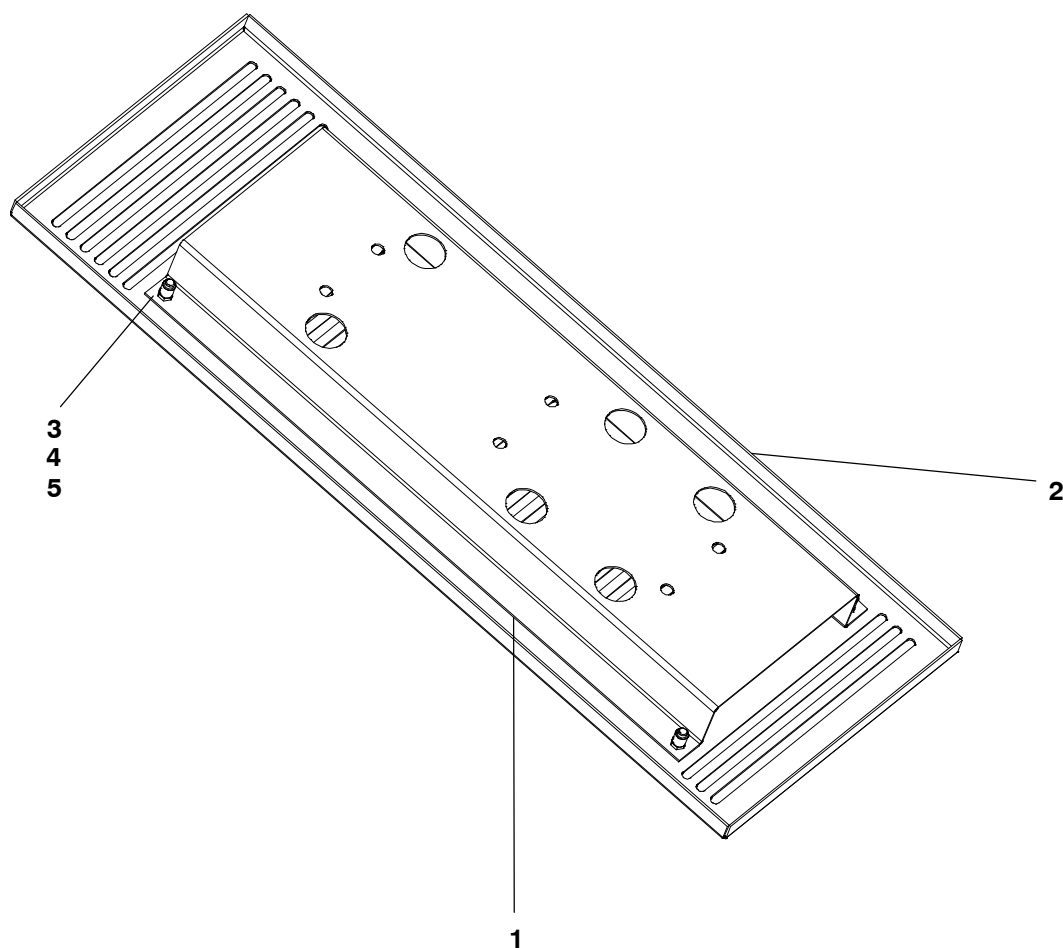
Battery Charger

Item	Part No.	Description	Qty
	0416-1181-02	Charger, Battery (5 Amp, Type MK2, 24V, Wall Mounted	1
	0416-1182-02	Charger, Battery (10 Amp, Type 5110, 24V, Wall Mounted	1

Tool Kit

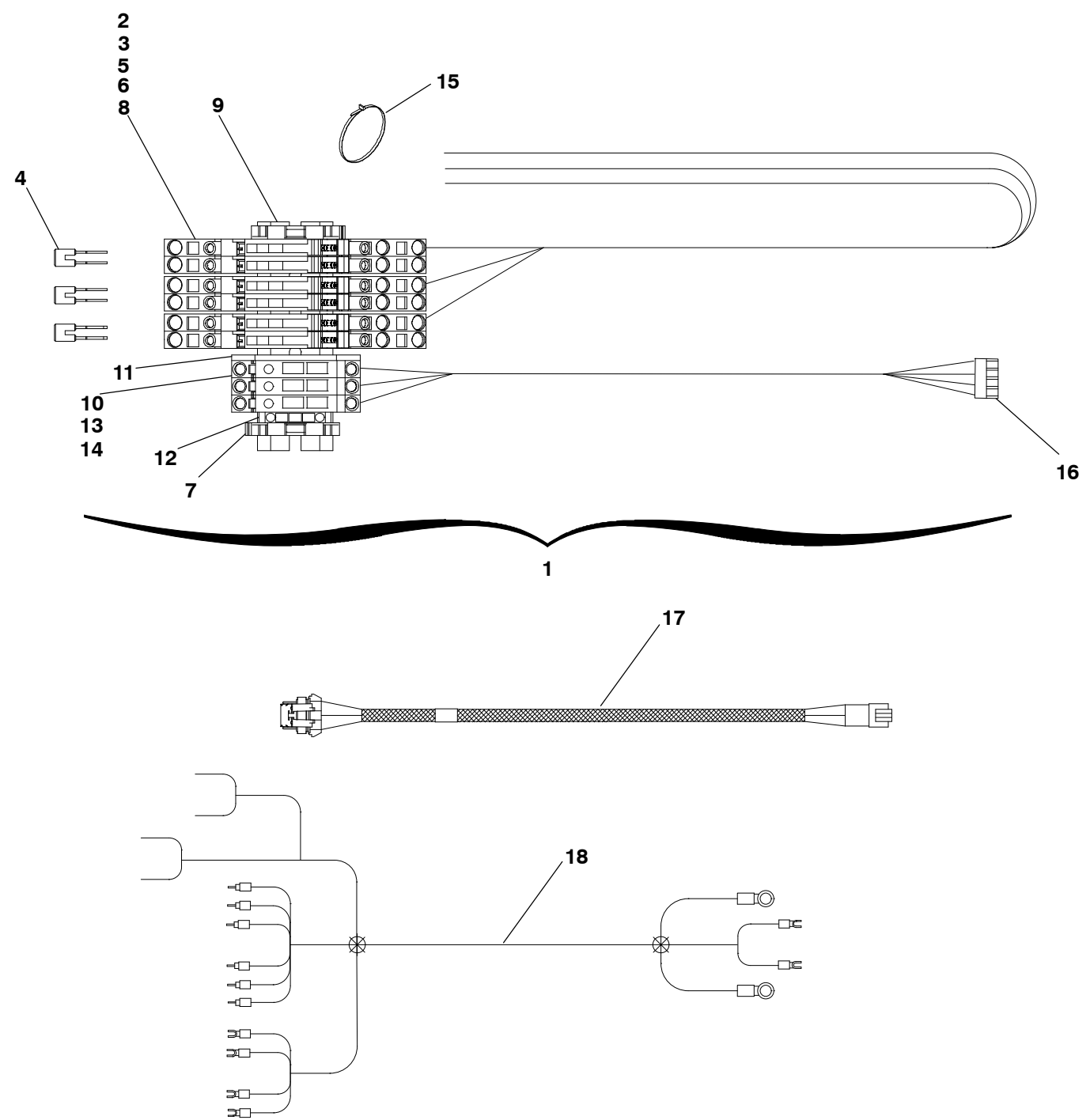
METRIC TOOL KIT	
TOOL DESCRIPTION	QTY
FEELER GAUGE SET (METRIC)	1
1/2" Sq DRIVE RATCHET SET SPANNER	1
300mm Lg EXTENSION -1/2" Sq DRIVE	1
SCREW DRIVER BIT -1/2" Sq DRIVE	1
SOCKET 10mm A/F	1
SOCKET 12mm A/F	1
SOCKET 13mm A/F	1
SOCKET 14mm A/F	1
SOCKET 16mm A/F	1
RING SPANNER 14mm A/F x 16mm A/F	1
COMBINATION SPANNER 10mm A/F	1
COMBINATION SPANNER 12mm A/F	1
COMBINATION SPANNER 13mm A/F	1
COMBINATION SPANNER 14mm A/F	1
COMBINATION SPANNER 16mm A/F	1
COMBINATION SPANNER 17mm A/F	1
COMBINATION SPANNER 19mm A/F	1
COMBINATION SPANNER 22mm A/F	1
TOOL ROLL	1

Heat Shield



Item	Part No.	Description	Qty
1	A048R829	Bracket, Heat Shield	1
2	A048R827	Shield, Heat	1
3	0526-0399-60	Washer, Flat	4
4	0850-0114-54	Washer, Lock	4
5	0800-3017-20	Screw, Hex Head	4

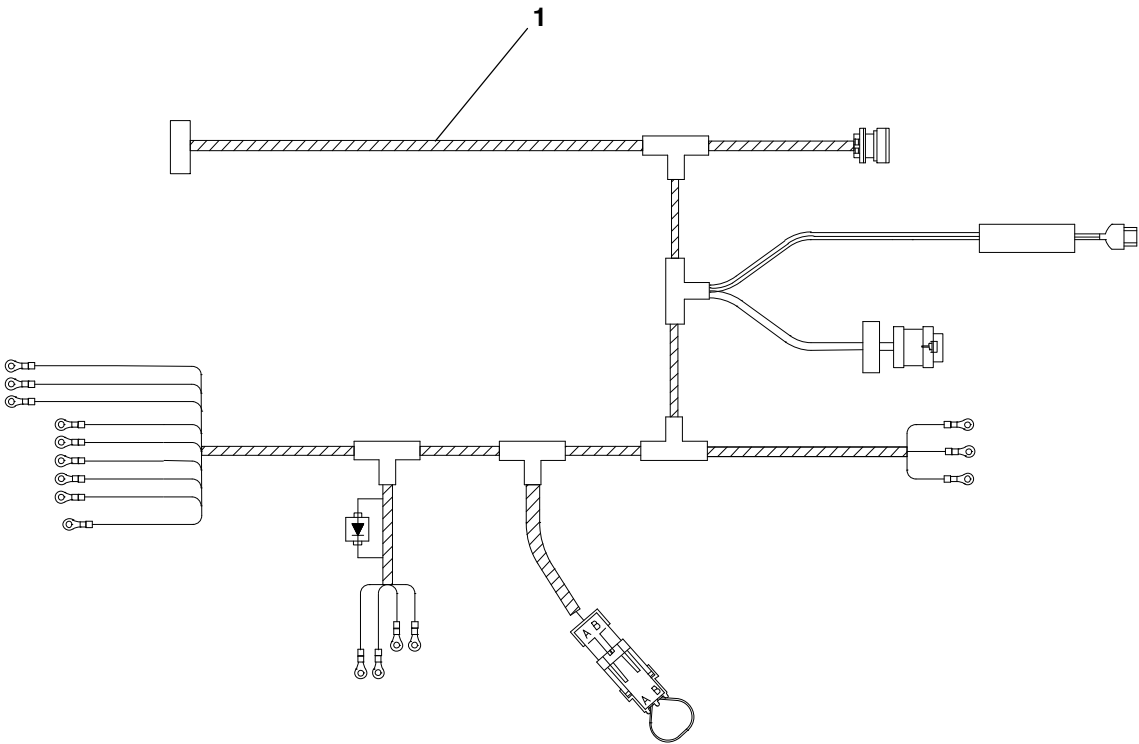
Wiring Harness – Customer Connections, Low Coolant Level Harness, Accessory Harness



Wiring Harness – Customer Connections, Low Coolant Level Harness, Accessory Harness

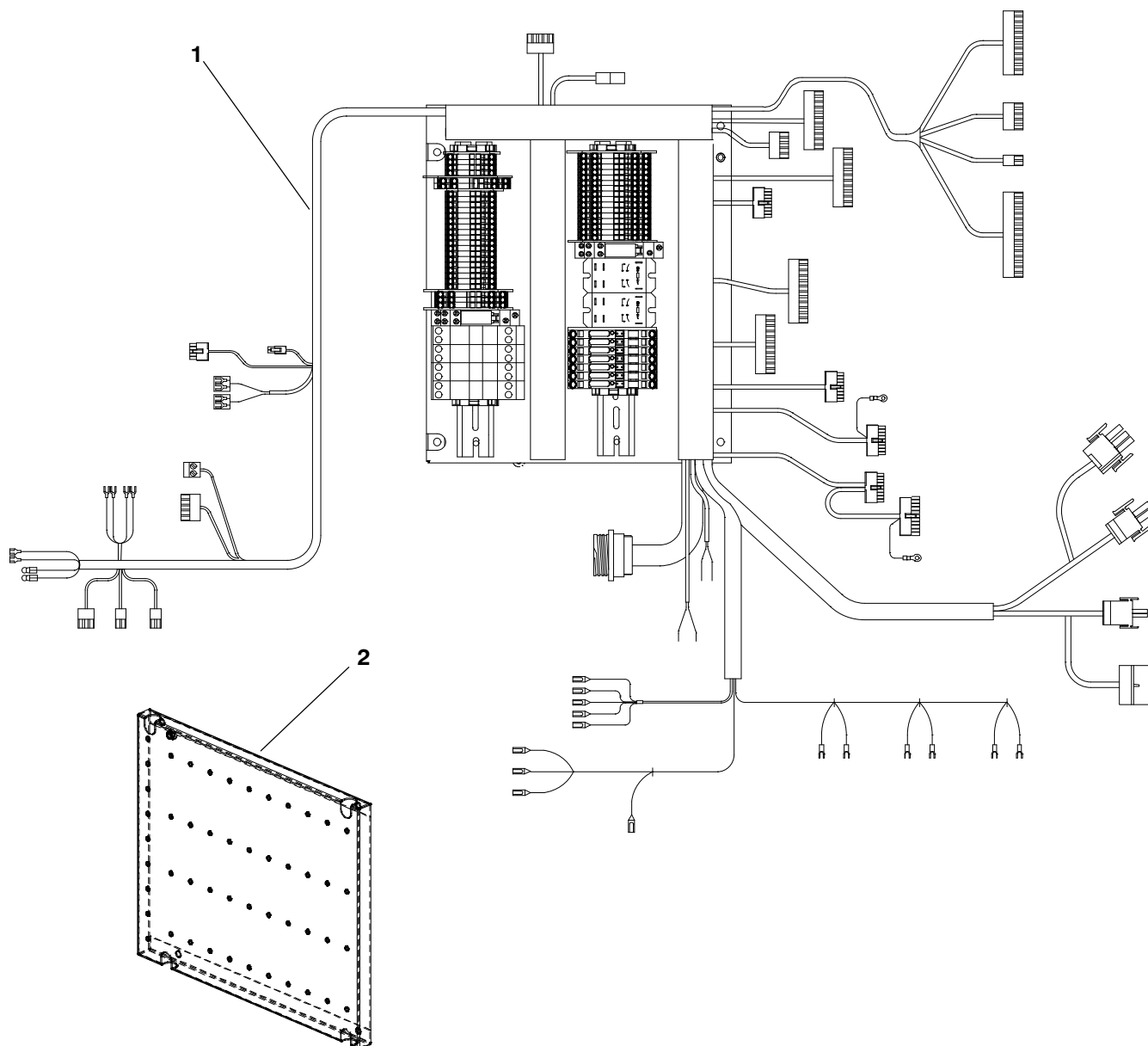
Item	Part No.	Description	Qty
1	A052F998	Harness, Wiring – Customer Connections	
2	A032Y906	Block, Terminal	3
3	A032Y910	Block, Terminal	3
4	A034D146	Jumper, Terminal	3
5	A040D466	Terminal	1
6	A040D464	Terminal	6
7	0332–3926	Block, Terminal	2
8	0332–4079–05	Terminal, Pin	6
9	0332–2879–07	Rail, Terminal	1
10	A051P519	Terminal	3
11	A051P528	Terminal	1
12	0332–3923–01	Block, Terminal	1
13	A051P530	Fuse, Quick Blow	3
14	0332–4079–03	Terminal, Pin	9
15	0332–4006	Tie, Cable	6
16	0323–2226–03	Connector, Plug	1
17	A052E331	Harness, Low Coolant Level	1
18	A050Z480	Harness, Accessory	1

Engine Harness



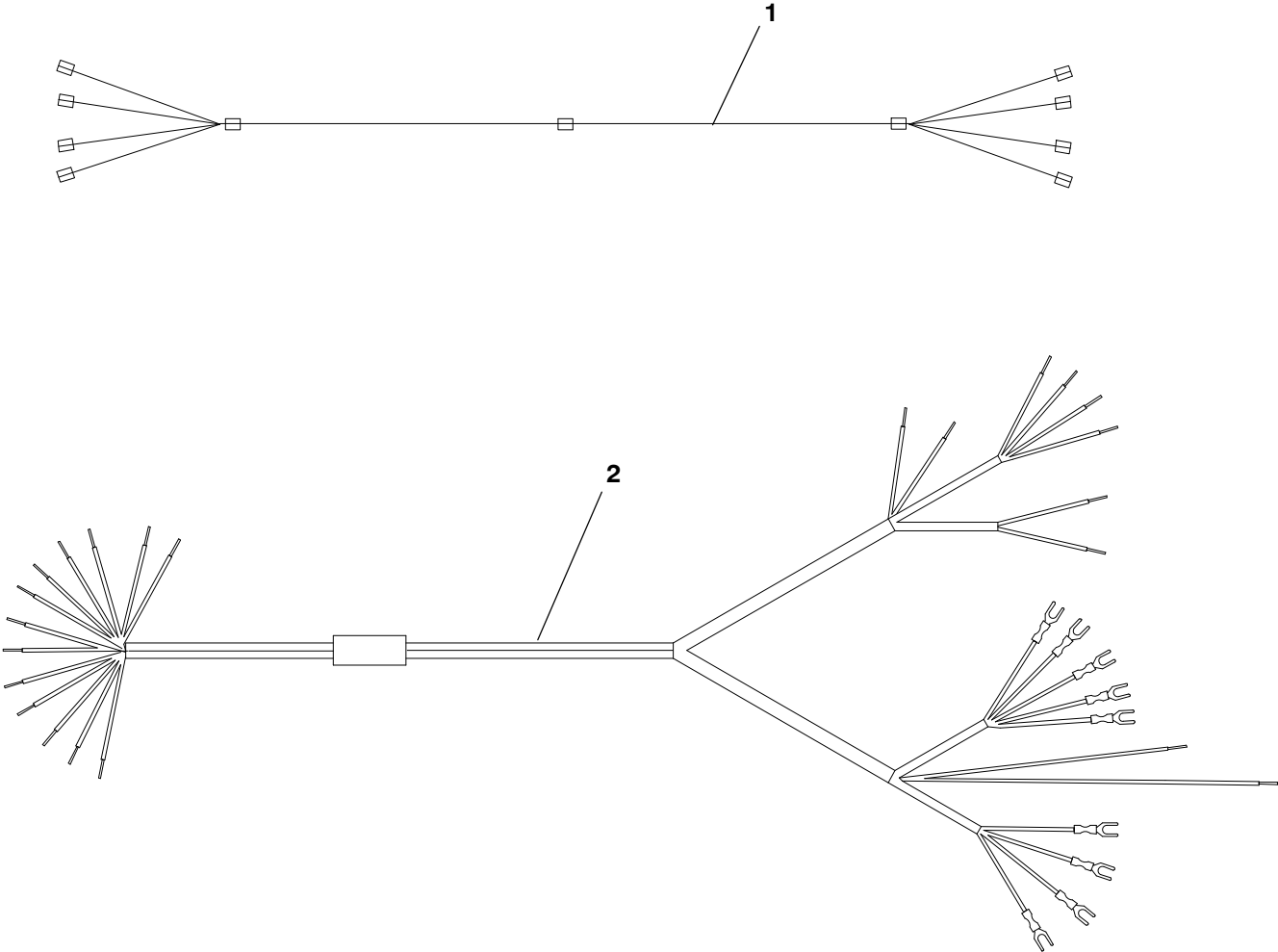
Item	Part No.	Description	Qty
1	A050V446	Harness, Engine	1

Control Harness



Item	Part No.	Description	Qty
1	A050T123	Harness, Control	1
2	A049J999	Panel, Control Box	1

Wiring Harness – Circuit Breaker Harness, Alternating Current Harness



Item	Part No.	Description	Qty
1	A051M641	Harness, Wiring – AC	1
2	A052K517	Harness, Wiring – Circuit Breaker	1

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