

Parts Catalog

GenSet Model

GQMA (Spec B)

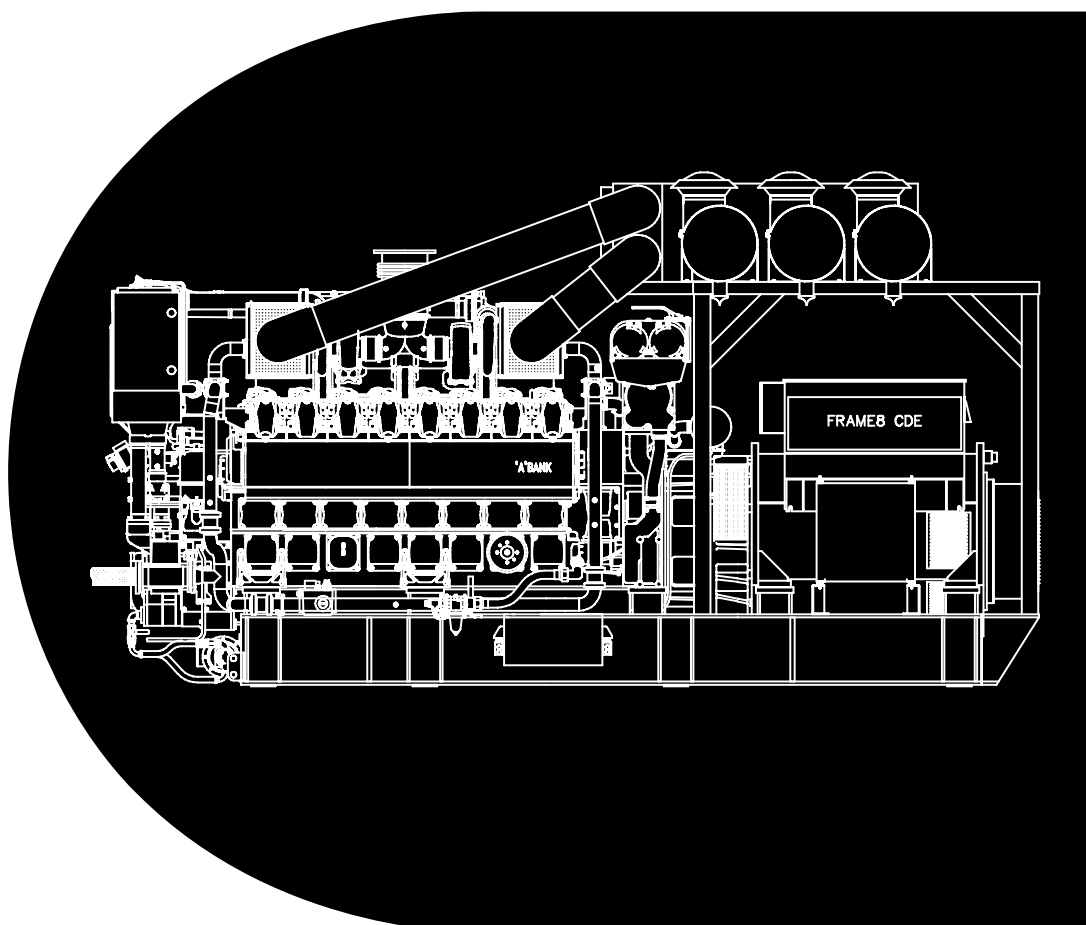
GQMB (Spec B)

GQNA (Spec B)

GQNB (Spec B)

GQPB (Spec B)

with PowerCommand[®] Supervisor
PCS3100



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.



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



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



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

PRODUCT SAFETY PRECAUTIONS



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



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



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



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

Introduction

This catalog applies to Cummins Power Generation Generator Models GQMA, GQMB, GQNA, GQNB and GQPB 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.

Replacement Engine

Cummins Power Generation Generator Model	Cummins Engine Model
GQMA (60Hz)	QSV81G
GQMA (50Hz)	QSV81G
GQMB (50Hz)	QSV81G
GQNA (60Hz)	QSV91G
GQNA (50Hz)	QSV91G
GQNB (50Hz)	QSV91G
GQPB (60Hz)	QSV91G

Generator Set Data Table

Model and Specification	Electrical Data					Battery Voltage
	Watts	Volts	Hertz	Wire	Phase	
1100GQMA/*	1,100,000	#	60	12	3	24VDC
1370GQMA/*	1,370,000	#	50	12	3	24VDC
1570GQMB/*	1,570,000	#	50	12	3	24VDC
1250GQNA/*	1,250,000	#	60	12	3	24VDC
1540GQNA/*	1,540,000	#	50	12	3	24VDC
1750GQNB/*	1,750,000	#	50	12	3	24VDC
1750GQPB/*	1,750,000	#	60	12	3	24VDC

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

– Broad range reconnectible

Index

A

Accessories, Engine, **7**

B

Block, Terminal – Generator Heater, **58**
Box, Control Module – Frame 7 – GQMA, GQMB, GQNA, **65**
Box, Control Module – Frame 8 and DIG130, **66**
Box, Genset Auxiliary – 110V, **97**
Box, Genset Auxiliary – 240V, **99**
Box, Genset Auxiliary – Mounting – Frame 7 – GQMA, GQMB, GQNA, GQNB, **92**
Box, Genset Auxiliary – Mounting – Frame 8 – GQMA, GQMB, GQNA, GQNB, **93**
Box, Genset Auxiliary – Mounting – Frame DIG130 – GQMA, GQMB, GQNA, GQNB, **94**
Box, Genset Auxiliary – Mounting – With Gear Box – GQPB, **95**
Box, Genset Terminal, **69**
Box, Genset Terminal – Mounting – Frame 7 – GQMA, GQMB, GQNA, GQNB, **71**
Box, Genset Terminal – Mounting – Frame 8 – GQMA, GQMB, GQNA, GQNB, **72**
Box, Genset Terminal – Mounting – Frame DIG130 – GQMA, GQMB, GQNA, GQNB, **73**
Box, Genset Terminal – Mounting – With Gear Box – GQPB, **74**
Box, Terminal – Gas Valve, **103**
Box, Terminal – Generator Heater, **58**

C

Cartridge, Generator Heater – GQMA, GQMB, GQNA, GQNB, **58**
Case, Gear – GQPB, **11**
Cleaner, Air – Mounting Kit – Frame 7 – GQMA, GQMB, GQNA, GQNB, **17**
Cleaner, Air – Mounting Kit – Frame 8 – GQMA, GQMB, GQNA, GQNB, **21**
Cleaner, Air – Mounting Kit – Frame 8 With Gear Box – GQPB, **29**
Cleaner, Air – Mounting Kit – Frame DIG130 – GQMA, GQMB, GQNA, GQNB, **25**
Cleaner, Air – Parts and Fasteners – Frame 7 – GQMA, GQMB, GQNA, GQNB, **15**
Cleaner, Air – Parts and Fasteners – Frame 8 – GQMA, GQMB, GQNA, GQNB, **19**
Cleaner, Air – Parts and Fasteners – Frame 8 With Gear Box – GQPB, **27**
Cleaner, Air – Parts and Fasteners – Frame DIG130 – GQMA, GQMB, GQNA, GQNB, **23**
Connection, Oil Drain, **49**
Connections, Air Starter, **56**
Connections, Oil Fill, **50**
Connections, Radiator, **31**

D

Drain, Oil – GQPB, **52**
Drain, Oil – Remote Oil, **47**
Drain, Oil – Sump, **46**

E

Engine Circulating Pump, **33**

F

Filter, Air Start, **57**
Filter, Crankcase Ventilation – Frame 7 – GQMA, GQMB, GQNA, GQNB, **37**
Filter, Crankcase Ventilation – Frame 8 – GQMA, GQMB, GQNA, GQNB, **38**
Filter, Crankcase Ventilation – Frame DIG130 – GQMA, GQMB, GQNA, GQNB, **41**
Filter, Crankcase Ventilation – GQPB, **45**
Frame, Cabinet, **90**

G

Generator (Complete), **60**
Generator Installation – GQMA, GQMB, GQNA, GQNB, **63**
Generator Installation – GQPB, **64**
Guard, Flywheel, **8**
Guard, Gear Box – GQPB, **12**

H

Harness, Wiring – AC, **67**
Harness, Wiring – E-Stop – Frame 7 – GQMA, GQMB, GQNA, GQNB, **75**
Harness, Wiring – E-Stop – Frame 8 – GQMA, GQMB, GQNA, GQNB, **76**
Harness, Wiring – E-Stop – Frame DIG130 – GQMA, GQMB, GQNA, GQNB, **77**
Harness, Wiring – E-Stop – With Gear Box – GQPB, **78**
Harness, Wiring – Generator Heater, **59**
Heater, Generator – GQMA, GQMB, GQNA, GQNB, **58**
Hoses, Oil Cooler, **51**

I

Isolator, Vibration – GQMA, GQMB, GQNA, GQNB, **105**

K

Kit, Exhaust, **30**

L

Labels, **108**
Labels, Genset Control Panel, **91**

M

Mounting, Engine, **5**

P

Paint, **4**

Index

Paint, Sandstone, **4**
Panel, Genset Control (GCP), **80**
PCI, **88**
PLC Assembly, **87**
Pump, Engine Circulating, **32**

R

Rail Assemblies – GCP, **88**
Relay Assembly 1 – GCP, **82, 83**
Relay Assembly 2 – GCP, **84**

S

Sealant, Thread, **4**
Skid, Generator Set, **53**
Starter, Air, **55**

Strap, Ground, **102**
Supply, Power – Engine, **101**
System, Oil – Make-Up, **42**
System, Oil – Priming, **43**

T

Tank, Waste Oil System, **48**
Thermostat (Dummy), **35**
Tool, Service, **89**
Transducer, **70**
Tray, Battery, **106**

V

Valve, Gas, **104**
Vents, Cooling System, **34**



Abbreviations

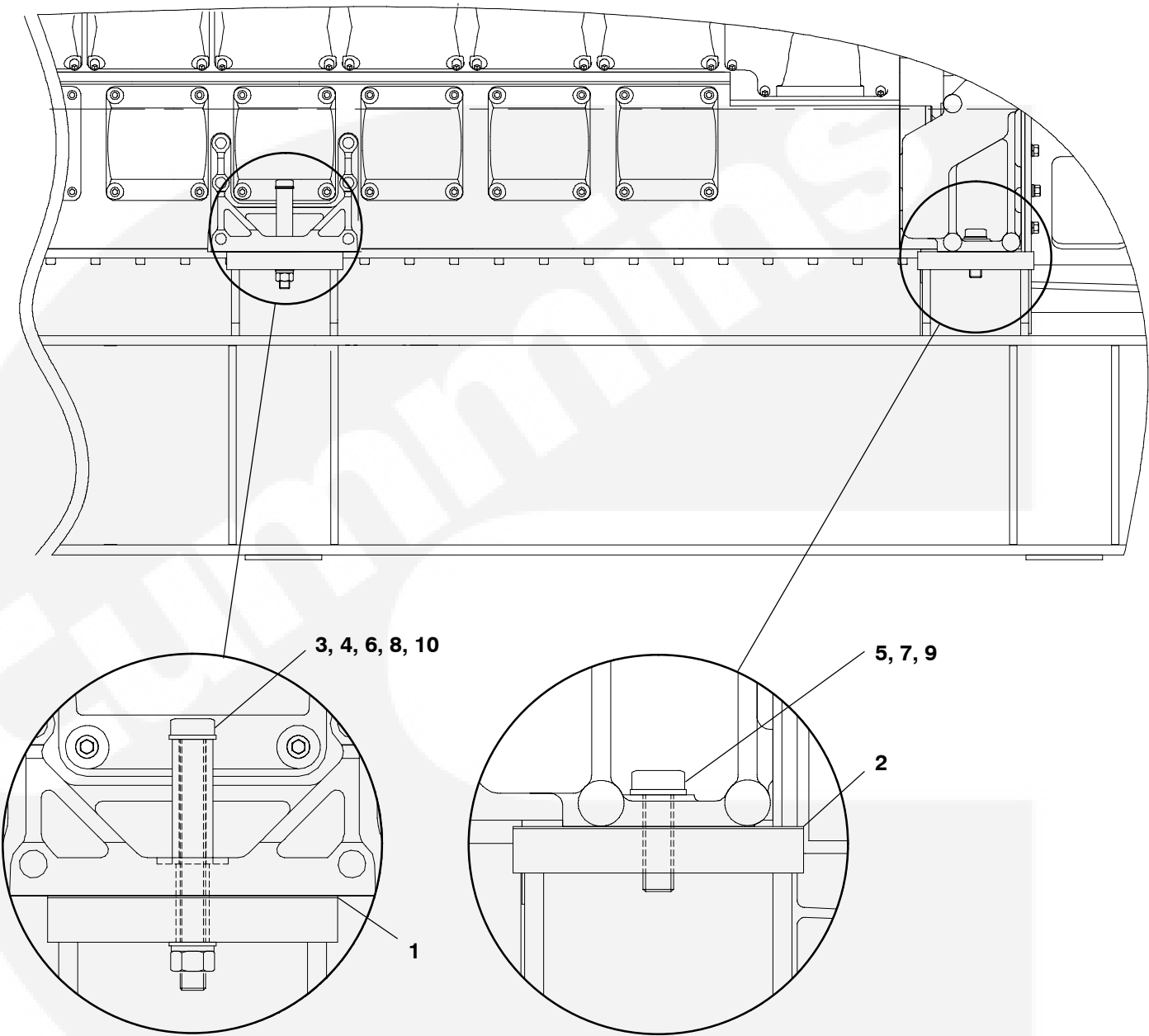
Some of the following abbreviations may be used throughout this Parts Catalog:

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

Paint and Thread Sealant

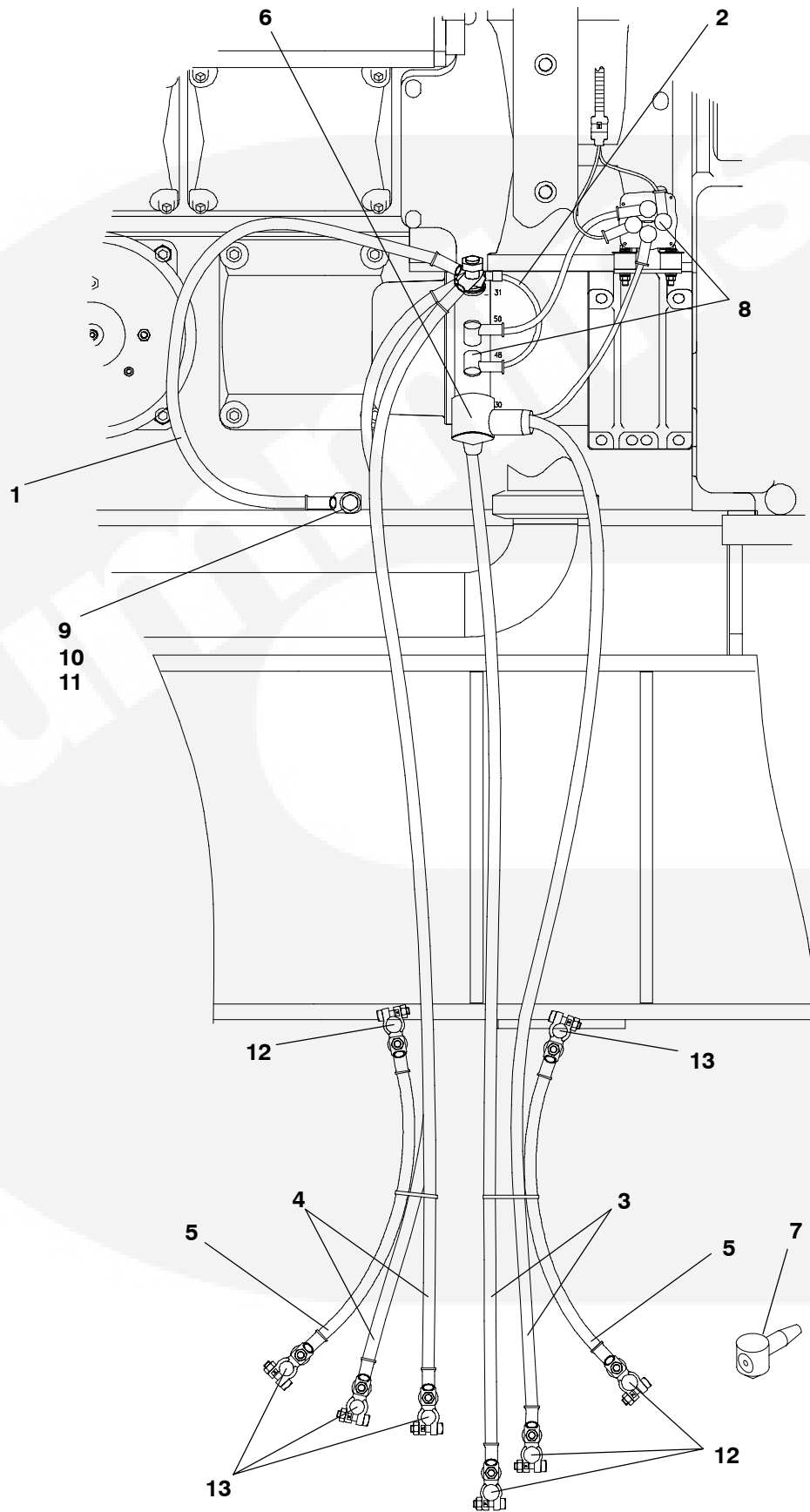
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Onan Green Enamel (Non-Metallic)	518-0601	–		Sealant, Thread (6 ml Tube)
			12 oz. Pressurized Spray Can	525-0749	–		Paint, Sandstone
	525-0305	–	Quart Can				
	525-0306	–	Gallon Can				
	525-0304	–					

Engine Mounting



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	232-4129	8	Shim, Generator – Electroless Nickel (0.6mm)	6	718-1163	4	Screw, Cap – Hex Head (M20 x 2.5 x 200) (Grade 8.8)
2	232-4130	4	Shim, Generator – Stainless (0.6mm)	7	718-1176	2	Screw, Cap – Hex Head (M24 x 3 x 80) (Grade 8.8)
3	502-1456	4	Sleeve – Tube	8	850-0114-58	4	Washer, Lock – Spring (M20)
4	526-0399-70	8	Washer, Flat – Steel (M20)	9	850-0114-59	2	Washer, Lock – Spring (M24)
5	526-0399-72	2	Washer, Flat – Steel (M24)	10	862-0026-59	4	Nut, Hex (M20)

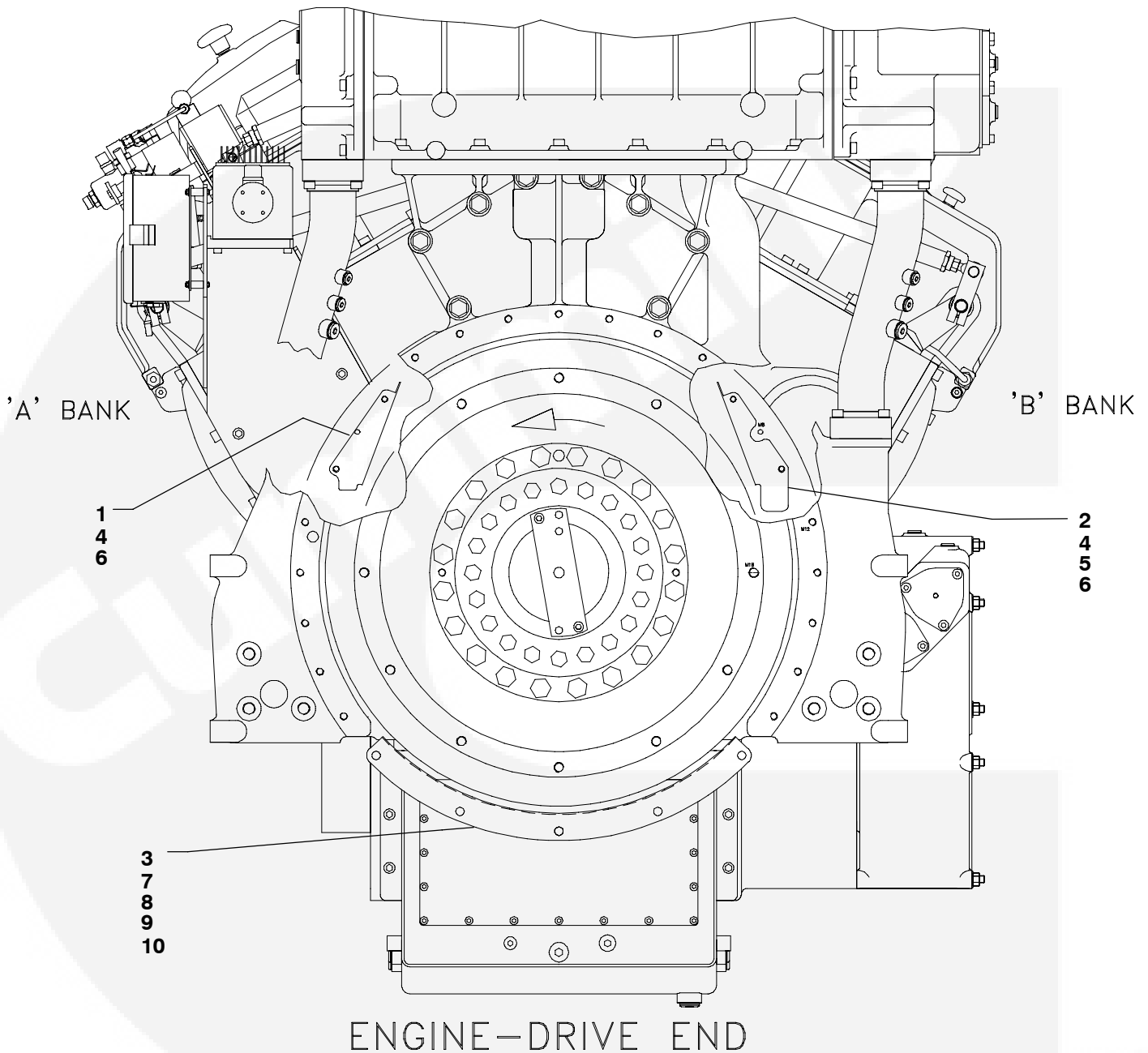
Engine Accessories



Engine Accessories

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	226-4861	1	Cable, Starter – Negative (120mm x 900mm)	7	416-1141	8	Boot, Battery – Single Outlet
2	226-4862	1	Cable, Starter – Negative (16mm x 200mm)	8	416-1074	6	Boot, Terminal – Starter Motor
3	226-4948	2	Lead (+ve)	9	800-3017-53	1	Screw, Hex Head (M12 x 1.75 x 25)
4	226-4946	2	Lead (-ve)	10	526-0399-64	1	Washer, Flat (M12)
5	226-4947	2	Lead (Link)	11	850-0114-56	1	Washer, Lock – Spring (M12)
6	416-1142	1	Boot, Battery – Double Outlet	12	416-1203	4	Terminal, Battery (+ve)
				13	416-1204	4	Terminal, Battery (-ve)

Flywheel Guard

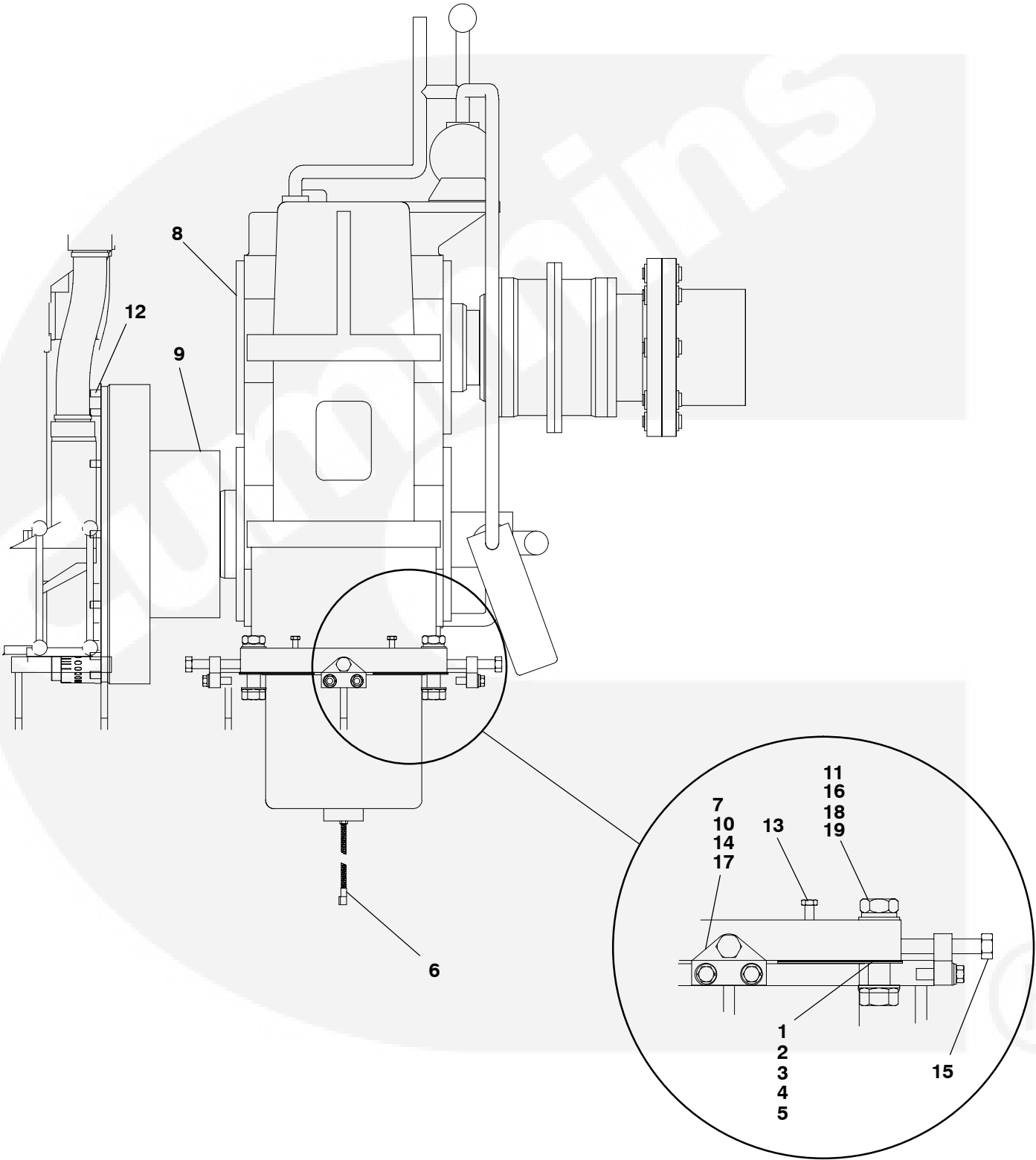


REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	190-0791-02	1	Guard, Coupling	6	850-0114-54	4	Washer, Lock – Spring (M8)
2	190-0790-02	1	Guard, Coupling	7	800-3017-57	5	Screw, Cap – Hex Head (M12 x 45)
3	190-0789-02	1	Guard, Coupling	8	862-0026-57	5	Nut, Hex (M12)
4	725-1050	4	Screw, Cap – Socket Head (M8 x 20)	9	526-0399-64	5	Washer, Flat (M12)
5	526-0399-60	2	Washer, Flat (M8)	10	850-0114-56	5	Washer, Lock – Spring (M12)

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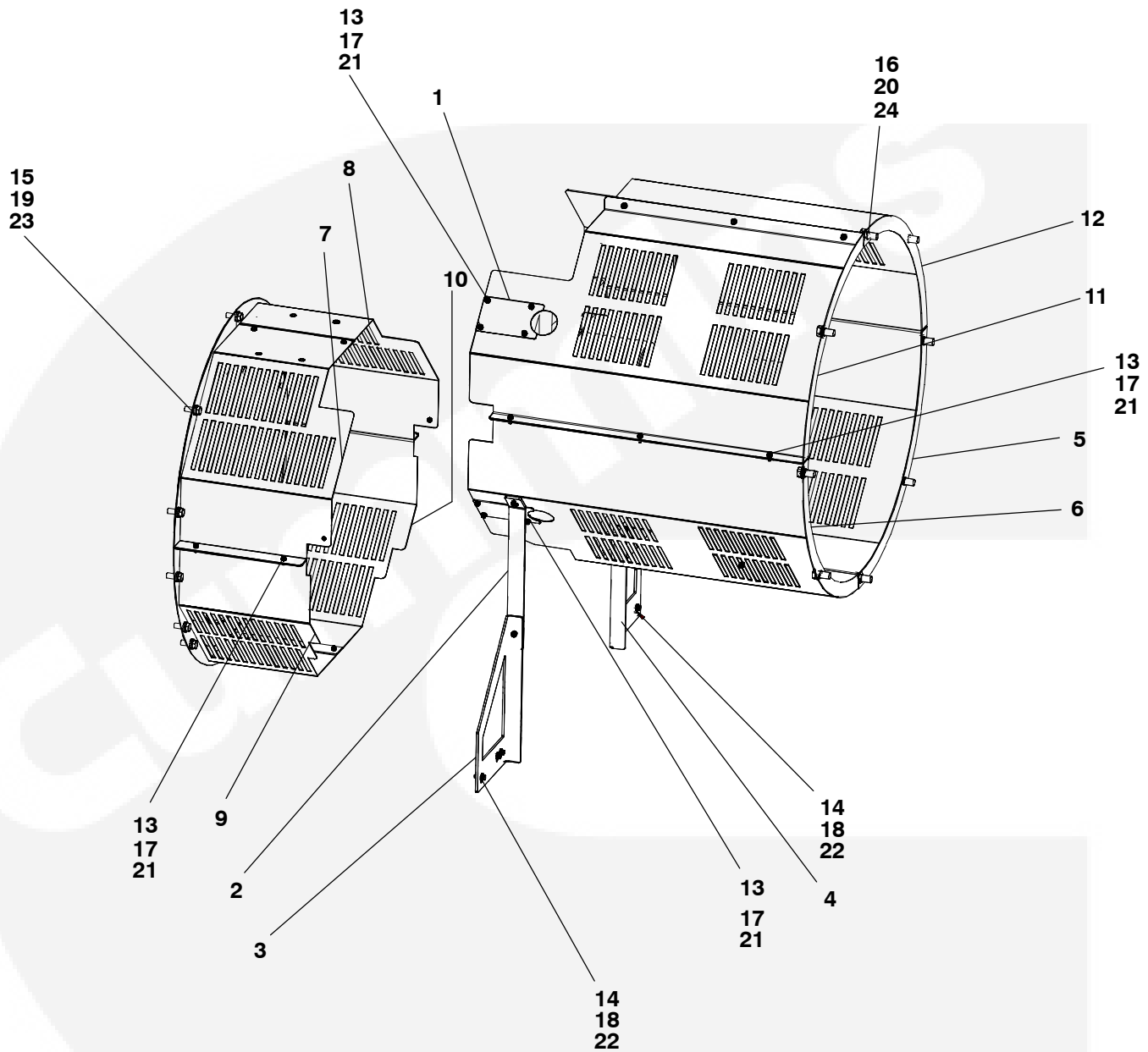
**Gear Case
GQPB**



Gear Case GQPB

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	232-4114-01 A/R		Shim, Generator	11	526-2240	8	Washer, Flat (M30)
2	232-4114-02 A/R		Shim, Generator	12	725-1167	12	Screw, Cap – Socket Head (M16 x 2 x 110)
3	232-4114-03 A/R		Shim, Generator	13	800-3017-63	4	Screw, Hex Head (M12)
4	232-4114-04 A/R		Shim, Generator	14	800-3017-75	12	Screw, Hex Head (M16 x 55)
5	232-4114-05 A/R		Shim, Generator	15	800-3017-99	6	Screw, Hex Head (M20 x 110)
6	309-0694	1	Switch, Temperature – Gear Box	16	800-6309	4	Screw, Hex Head
7	403-5965-02	6	Pad, Mounting	17	850-0114-57	12	Washer, Lock (M16)
8	507-0005	1	Box, Gear – With Coupling	18	850-2026	4	Washer, Lock (M30)
9	512-0267	1	Coupling, Flex	19	860-2015	4	Nut, Hex (M30)
10	526-0399-66	12	Washer, Flat (M16)				

Gear Box Guard GQPB



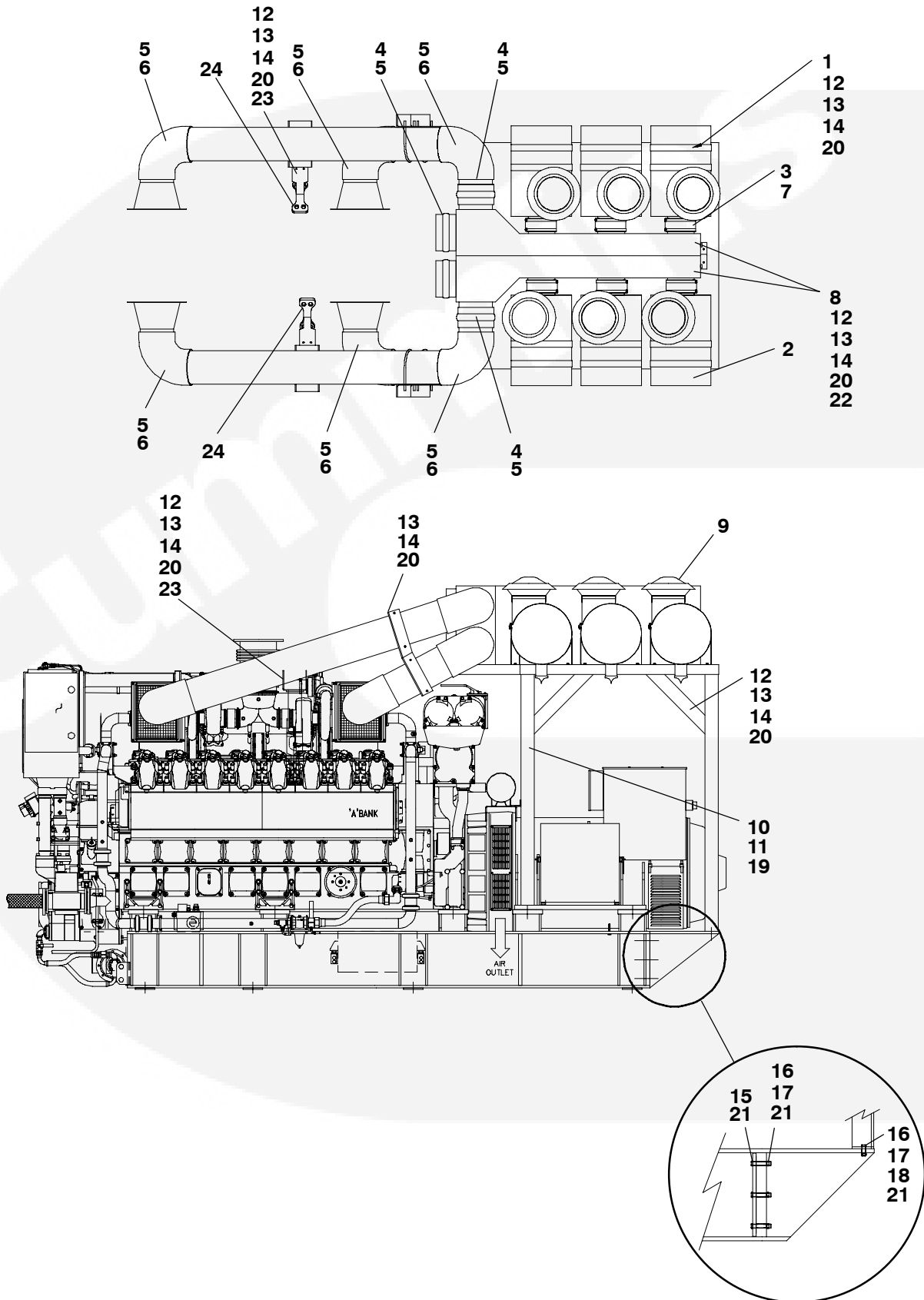
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-5743-02	2	Cover, Guard
2	130-5744-02	2	Plate, Guard
3	130-5745-02	1	Bracket
4	130-5746-02	1	Bracket
5	190-0804-02	1	Guard, Coupling
6	190-0805-02	1	Guard, Coupling
7	190-0807-02	1	Guard, Coupling
8	190-0808-02	1	Guard, Coupling
9	190-0809-02	1	Guard, Coupling
10	190-0810-02	1	Guard, Coupling
11	190-0852-02	1	Guard, Coupling
12	190-0853-02	1	Guard, Coupling

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
13	526-0399-58	28	Washer, Flat (M6)
14	526-0399-60	10	Washer, Flat (M8)
15	526-0399-64	12	Washer, Flat (M12)
16	526-0399-66	8	Washer, Flat (M16)
17	800-3017-03	28	Screw, Hex Head (M6 x 16)
18	800-3017-19	10	Screw, Hex Head (M8 x 20)
19	800-3017-54	12	Screw, Hex Head (M12)
20	800-3017-70	8	Screw, Hex Head (M16 x 30)
21	850-0114-53	28	Washer, Lock (M6)
22	850-0114-54	10	Washer, Lock (M8)
23	850-0114-56	12	Washer, Lock (M12)
24	850-0114-57	8	Washer, Lock (M16)

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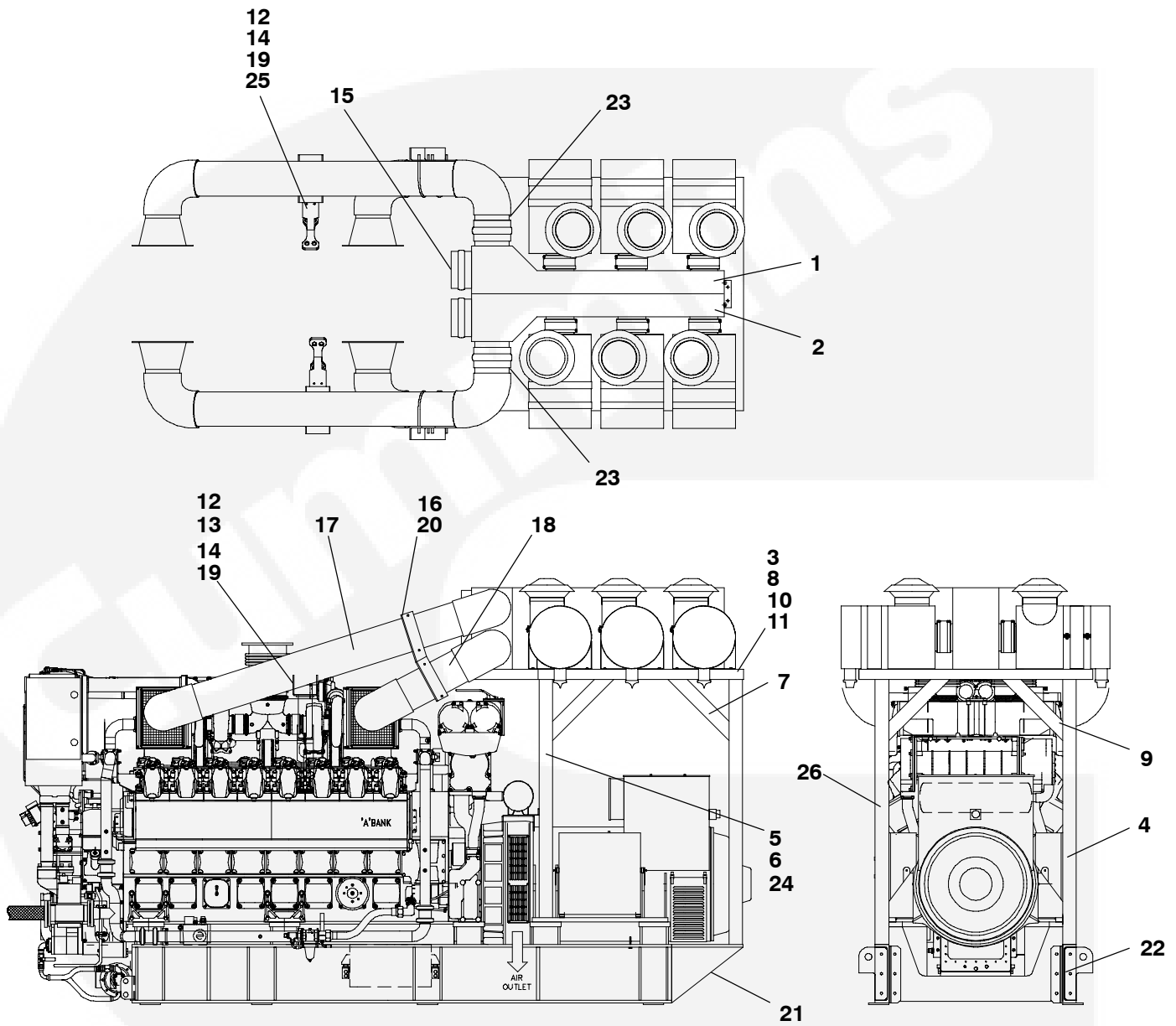
Air Cleaner **Parts and Fasteners** **Frame 7 – GQMA, GQMB, GQNA, GQNB**



Air Cleaner
Parts and Fasteners
Frame 7 – GQMA, GQMB, GQNA, GQNB

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-3357	12	Band, Air Cleaner	11	850-0114-59	2	Washer, Lock – Spring
2	140-3230	6	Cleaner, Air	12	800-3017-57	60	Screw, Hex Head – Metric (M12 x 45)
			Service Parts –				
			Primary Element	13	862-0026-57	72	Nut, Hex (M12)
			Nelson 70781N	14	850-0114-56	72	Washer, Lock – Spring (M12)
			Fleetguard AF25544	15	800-3017-81	12	Screw, Hex Head – Metric (M16 x 85)
			Safety Element	16	862-0026-58	14	Nut, Hex (M16)
			Nelson 70782N	17	850-0114-57	14	Washer, Lock – Spring (M16)
			Fleetguard AF25545	18	800-3017-76	2	Screw, Hex Head – Metric (M16 x 60)
3	503-1870-16	12	Clamp, Hose (210mm-230mm)	19	526-0399-72	2	Washer, Flat (M24)
4	503-2478	8	Hose, Intake	20	526-0399-65	132	Washer, Flat (M12)
5	503-2479	32	Clamp, Hose (250mm-280mm)	21	526-0399-66	28	Washer, Flat (M16)
6	503-2480	8	Elbow, Hose (10" – 90°)	22	140-1260	2	Fitting, Safety Filter
7	503-2488	6	Hose, Air (8")	23	508-0305-02	–	Edging – Bulk (Order by the Foot – 4 Feet Required)
8	140-3685	2	Indicator, Service	24	100-3961-02	8	Nut – Special (M30)
9	140-3370	6	Cap, Rain				
10	718-1178	2	Screw, Cap – Hex Head (M24 x 3 x 90)				

**Air Cleaner
Mounting Kit
Frame 7 – GQMA, GQMB, GQNA, GQNB**

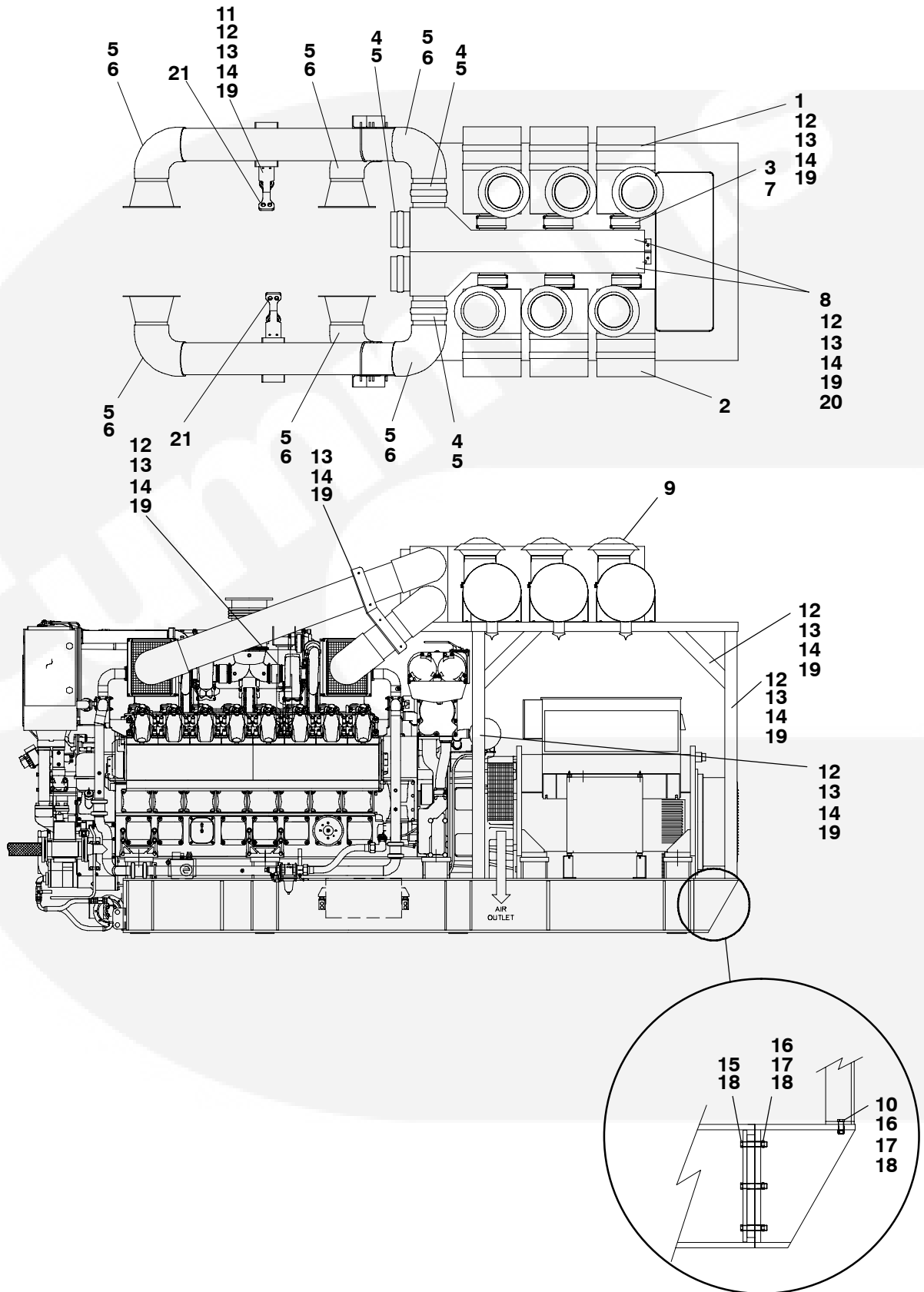


**Air Cleaner
Mounting Kit
Frame 7 – GQMA, GQMB, GQNA, GQNB**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-3610-02	1	Adapter, Air Cleaner – Manifold L/H	14	140-3621-02	2	Bracket, Air Cleaner Tube – Support
2	140-3611-02	1	Adapter, Air Cleaner – Manifold R/H	15	140-3622-02	4	Tube, Air Cleaner – Support
3	140-3612-02	1	Base, Air Cleaner – Platform	16	140-3626-02	4	Clamp, Air Cleaner
4	140-3613-02	1	Base, Air Cleaner – Upright	17			Tube, Air Cleaner
5	140-3614-02	1	Base, Air Cleaner – Upright R/H		140-3629-28	2	GQMA, GQMB
6	140-3638-02	1	Base, Air Cleaner – Upright L/H		140-3629-30	2	GQNA, GQNB
7	140-3615-02	4	Base, Air Cleaner – Brace	18			Tube, Air Cleaner
8			Base, Air Cleaner – Support Angle L/H		140-3629-08	2	GQMA, GQMB
	140-3655-02	1	GQMA, GQMB		140-3629-14	2	GQNA, GQNB
	140-3632-02	1	GQNA, GQNB	19	140-3631-02	2	Clamp, Air Cleaner
9	140-3633-02	4	Base, Air Cleaner – Support Angle	20			Bracket, Air Cleaner
10	140-3634-02	2	Base, Air Cleaner – Support Angle		140-3658-02	2	GQMA, GQMB
11			Base, Air Cleaner – Support Angle R/H		140-3635-02	2	GQNA, GQNB
	140-3654-02	1	GQMA, GQMB	21	403-5347-02	1	Rail, Skid – Extension L/H
	140-3637-02	1	GQNA, GQNB	22	403-5348-02	1	Rail, Skid – Extension R/H
12	140-3618-02	2	Bracket, Air Cleaner Tube – Clamp	23	140-3629-02	4	Tube, Air Cleaner
13			Bracket, Air Cleaner Tube – Long	24	140-3693-02	1	Base, Air Cleaner – Support Angle
	140-3662-02	1	GQMA, GQMB	25			Bracket, Air Cleaner Tube – Long
	140-3619-02	1	GQNA, GQNB		140-3664-02	1	GQMA, GQMB
					140-3647-02	1	GQNA, GQNB
				26	140-3690-02	1	Bracket, Air Cleaner – Upright



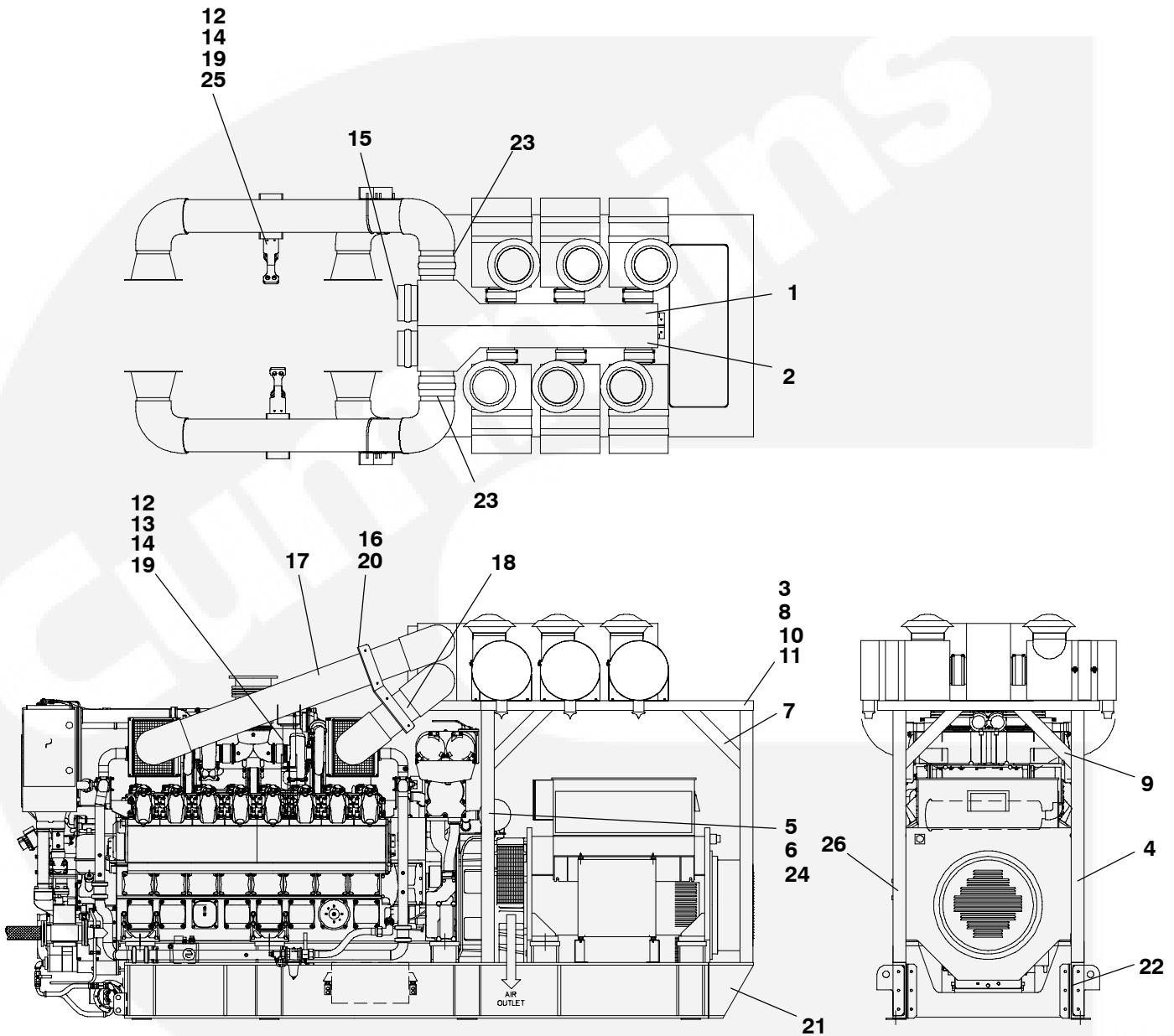
Air Cleaner **Parts and Fasteners** **Frame 8 – GQMA, GQMB, GQNA, GQNB**



Air Cleaner
Parts and Fasteners
Frame 8 – GQMA, GQMB, GQNA, GQNB

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-3357	12	Band, Air Cleaner	10	800-3017-76	4	Screw, Hex Head – Metric (M16 x 60)
2	140-3230	6	Cleaner, Air	11	508-0305-02	-	Edging – Bulk (Order by the Foot – 14 Feet Required)
			Service Parts –	12	800-3017-57	60	Screw, Hex Head – Metric (M12 x 45)
			Primary Element	13	862-0026-57	72	Nut, Hex (M12)
			Nelson 70781N	14	850-0114-56	72	Washer, Lock – Spring (M12)
			Fleetguard AF25544	15	800-3017-81	12	Screw, Hex Head – Metric (M16 x 85)
			Safety Element	16	862-0026-58	16	Nut, Hex (M16)
			Nelson 70782N	17	850-0114-57	16	Washer, Lock – Spring (M16)
			Fleetguard AF25545	18	526-0399-66	32	Washer, Flat (M16)
3	503-1870-16	12	Clamp, Hose (210mm-230mm)	19	526-0399-65	132	Washer, Flat (M12)
4	503-2478	8	Hose, Intake	20	140-1260	2	Fitting, Safety Filter
5	503-2479	32	Clamp, Hose (250mm-280mm)	21	100-3961-02	8	Nut – Special (M30)
6	503-2480	8	Elbow, Hose (10" – 90°)				
7	503-2488	6	Hose, Air (8")				
8	140-3685	2	Indicator, Service				
9	140-3370	6	Cap, Rain				

Air Cleaner Mounting Kit Frame 8 – GQMA, GQMB, GQNA, GQNB

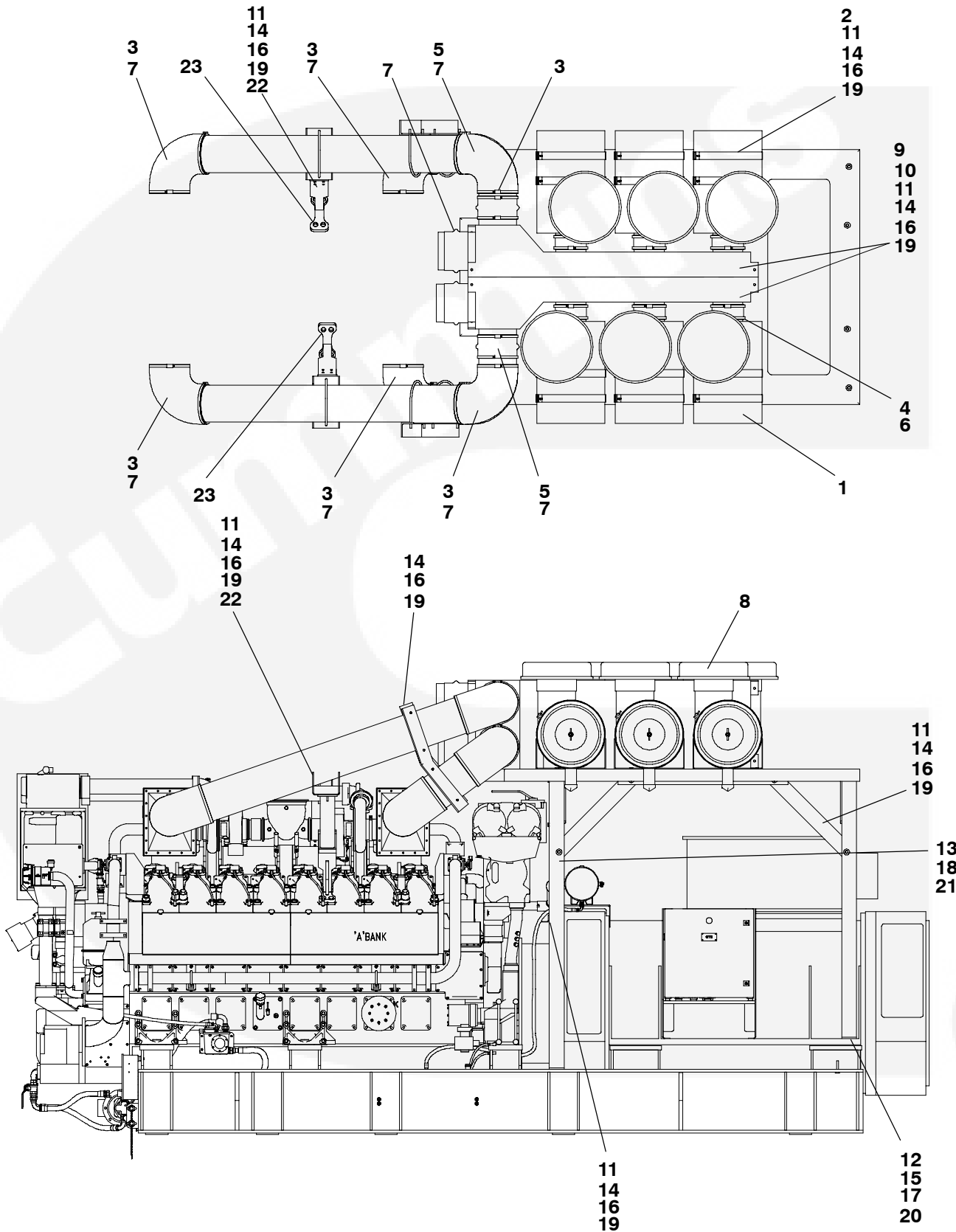


**Air Cleaner
Mounting Kit
Frame 8 – GQMA, GQMB, GQNA, GQNB**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-3610-02	1	Adapter, Air Cleaner – Manifold L/H	14	140-3621-02	2	Bracket, Air Cleaner Tube – Support
2	140-3611-02	1	Adapter, Air Cleaner – Manifold R/H	15	140-3622-02	4	Tube, Air Cleaner – Support
3	140-3630-02	1	Base, Air Cleaner – Platform	16	140-3626-02	4	Clamp, Air Cleaner
4	140-3613-02	1	Base, Air Cleaner – Upright	17			Tube, Air Cleaner
5	140-3660-02	1	Base, Air Cleaner – Upright R/H		140-3629-24	2	GQMA, GQMB
6	140-3659-02	1	Base, Air Cleaner – Upright L/H		140-3629-26	2	GQNA, GQNB
7	140-3615-02	4	Base, Air Cleaner – Brace	18			Tube, Air Cleaner
8	140-3651-02	1	Base, Air Cleaner – Support Angle L/H		140-3629-04	2	GQMA, GQMB
9	140-3633-02	4	Base, Air Cleaner – Support Angle		140-3629-06	2	GQNA, GQNB
10	140-3634-02	2	Base, Air Cleaner – Support Angle	19	140-3631-02	2	Clamp, Air Cleaner
11	140-3650-02	1	Base, Air Cleaner – Support Angle R/H	20			Bracket, Air Cleaner Tube
12			Bracket, Air Cleaner Tube – Clamp		140-3657-02	2	GQMA, GQMB
	140-3678-02	2	GQMA, GQMB		140-3656-02	2	GQNA, GQNB
	140-3679-02	2	GQNA, GQNB	21	403-5333-02	1	Rail, Skid – Extension L/H
13			Bracket, Air Cleaner Tube – Long	22	403-5334-02	1	Rail, Skid – Extension R/H
	140-3666-02	1	GQMA, GQMB	23	140-3629-02	4	Tube, Air Cleaner
	140-3670-02	1	GQNA, GQNB	24	140-3689-02	1	Base, Air Cleaner – Support Angle
				25			Bracket, Air Cleaner Tube – Long
					140-3668-02	1	GQMA, GQMB
					140-3672-02	1	GQNA, GQNB
				26	140-3690-02	1	Bracket, Air Cleaner – Upright



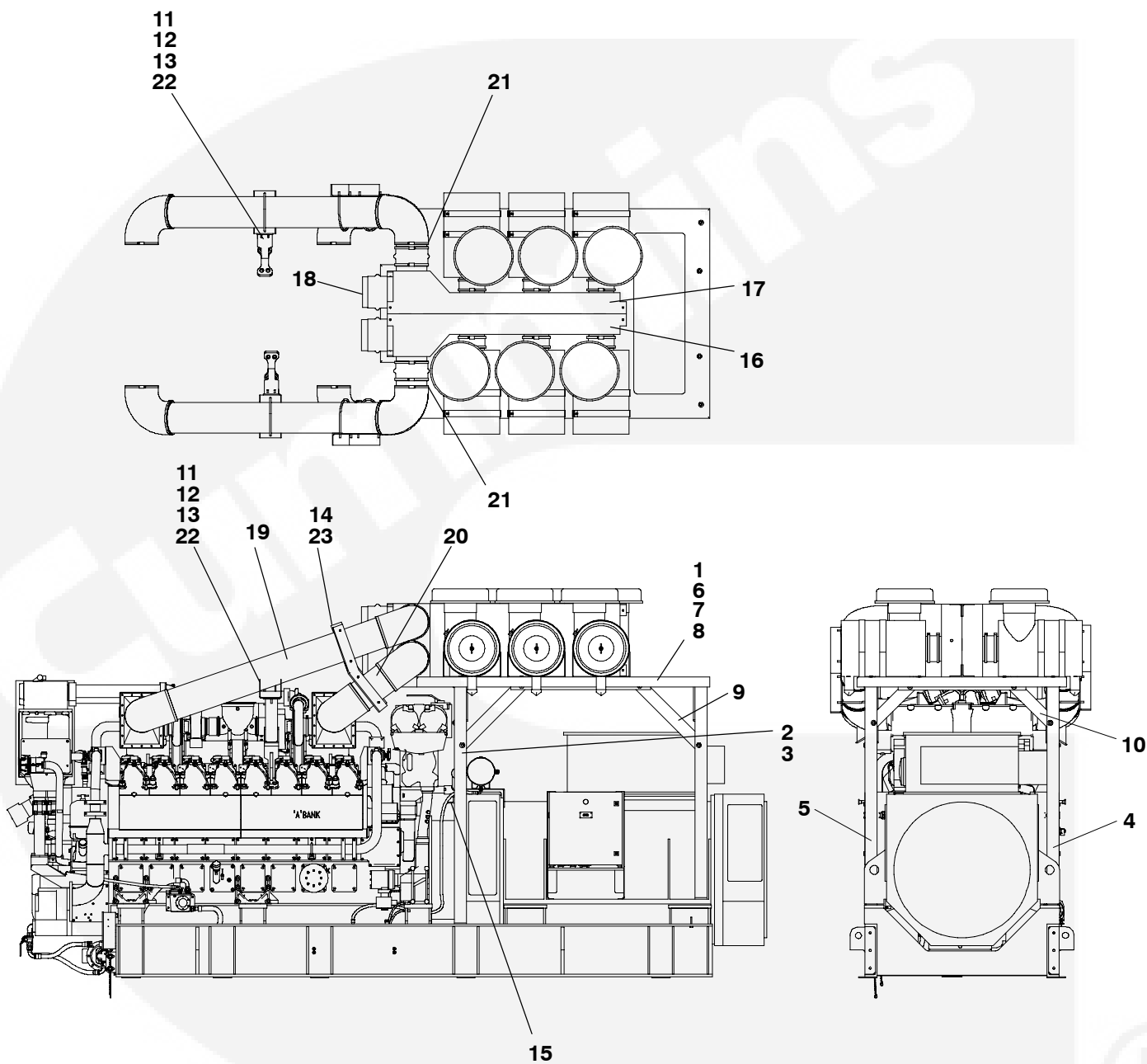
Air Cleaner
Parts and Fasteners
Frame DIG130 – GQMA, GQMB, GQNA, GQNB



Air Cleaner
Parts and Fasteners
Frame DIG130 – GQMA, GQMB, GQNA, GQNB

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-3230	6	Cleaner, Air	11	800-3017-57	64	Screw, Hex Head – Metric (M12 x 45)
			Service Parts –	12	800-3017-76	2	Screw, Hex Head – Metric (M16 x 60)
			Primary Element	13	718-1178	2	Screw, Cap – Hex Head (M24 x 3 x 90)
			Nelson 70781N	14	862-0026-57	76	Nut, Hex (M12)
			Fleetguard AF25544	15	862-0026-58	14	Nut, Hex (M16)
			Safety Element	16	850-0114-56	76	Washer, Lock – Spring (M12)
			Nelson 70782N	17	850-0114-57	2	Washer, Lock – Spring (M16)
			Fleetguard AF25545	18	850-0114-59	2	Washer, Lock – Spring (M24)
2	140-3357	12	Band, Air Cleaner	19	526-0399-65	136	Washer, Flat (M12)
3	503-2480	8	Elbow, Hose (10" – 90°)	20	526-0399-66	4	Washer, Flat (M16)
4	503-2488	6	Hose, Air (8")	21	526-0399-72	2	Washer, Flat (M24)
5	503-2478	8	Hose, Intake	22	508-0305-02	-	Edging – Bulk (Order by the Foot – 4 Feet Required)
6	503-1870-16	12	Clamp, Hose (210mm-230mm)	23	100-3961-02	8	Nut – Special (M30)
7	503-2479	24	Clamp, Hose (250mm-280mm)				
8	140-3370	6	Cap, Rain				
9	140-1260	2	Fitting, Safety Filter				
10	140-3685	2	Indicator, Service				

**Air Cleaner
Mounting Kit
Frame DIG130 – GQMA, GQMB, GQNA, GQNB**

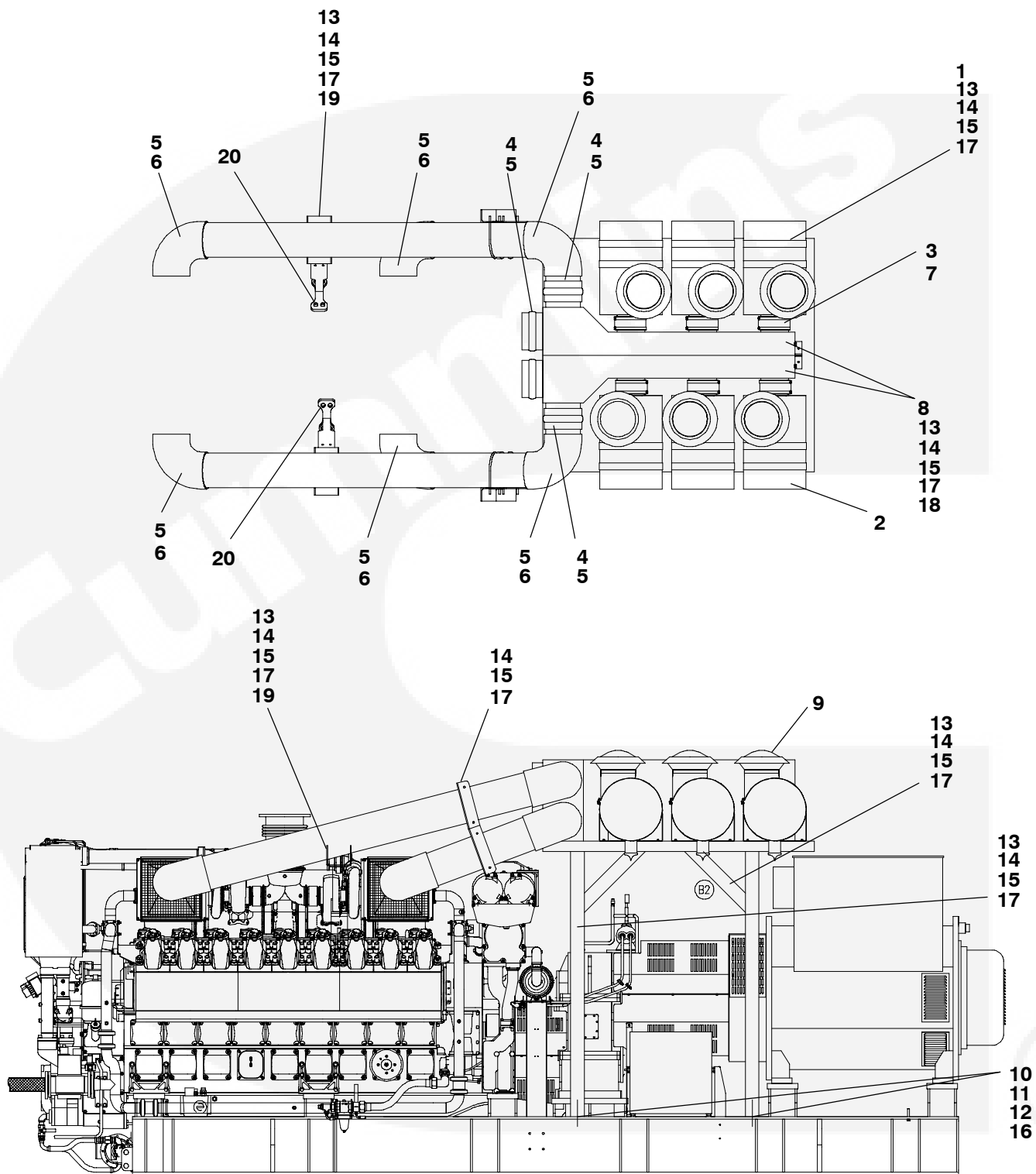


**Air Cleaner
Mounting Kit
Frame DIG130 – GQMA, GQMB, GQNA, GQNB**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-3857-02	1	Base, Air Cleaner – Platform	12	140-3680-02	2	Bracket, Air Cleaner Tube – Clamp
2	140-3853-02	1	Bracket, Air Cleaner (Leg Front R/H)	13	140-3621-02	2	Bracket, Air Cleaner Tube – Support
3	140-3854-02	1	Bracket, Air Cleaner (Leg Front L/H)	14	140-3635-02	2	Bracket, Air Cleaner Tube – Tie
4	140-3855-02	1	Bracket, Air Cleaner (Leg Rear R/H)	15	140-3883-02	1	Bracket, Air Cleaner
5	140-3856-02	1	Bracket, Air Cleaner (Leg Rear L/H)	16	140-3610	1	Adapter, Air Cleaner – Manifold L/H
6	140-3851-02	1	Bracket, Air Cleaner (Angle R/H Support)	17	140-3611	1	Adapter, Air Cleaner – Manifold R/H
7	140-3852-02	1	Bracket, Air Cleaner (Angle L/H Support)	18	140-3622	4	Tube, Air Cleaner – Cap
8	140-3850-02	2	Bracket, Air Cleaner (Angle Front/Rear)	19	140-3629-24	2	Tube, Air Cleaner GQMA, GQMB
9	140-3615-02	4	Base, Air Cleaner (Support Angle)		140-3629-26	2	GQNA, GQNB
10	140-3633-02	4	Base, Air Cleaner (Support Angle)	20	140-3629-04	2	Tube, Air Cleaner GQMA, GQMB
11	140-3647-02	2	Bracket, Air Cleaner Tube – Long		140-3629-06	2	GQNA, GQNB
				21	140-3629-02	4	Tube, Air Cleaner
				22	140-3631-02	2	Clamp, Air Cleaner
				23	140-3626-02	4	Clamp, Air Cleaner



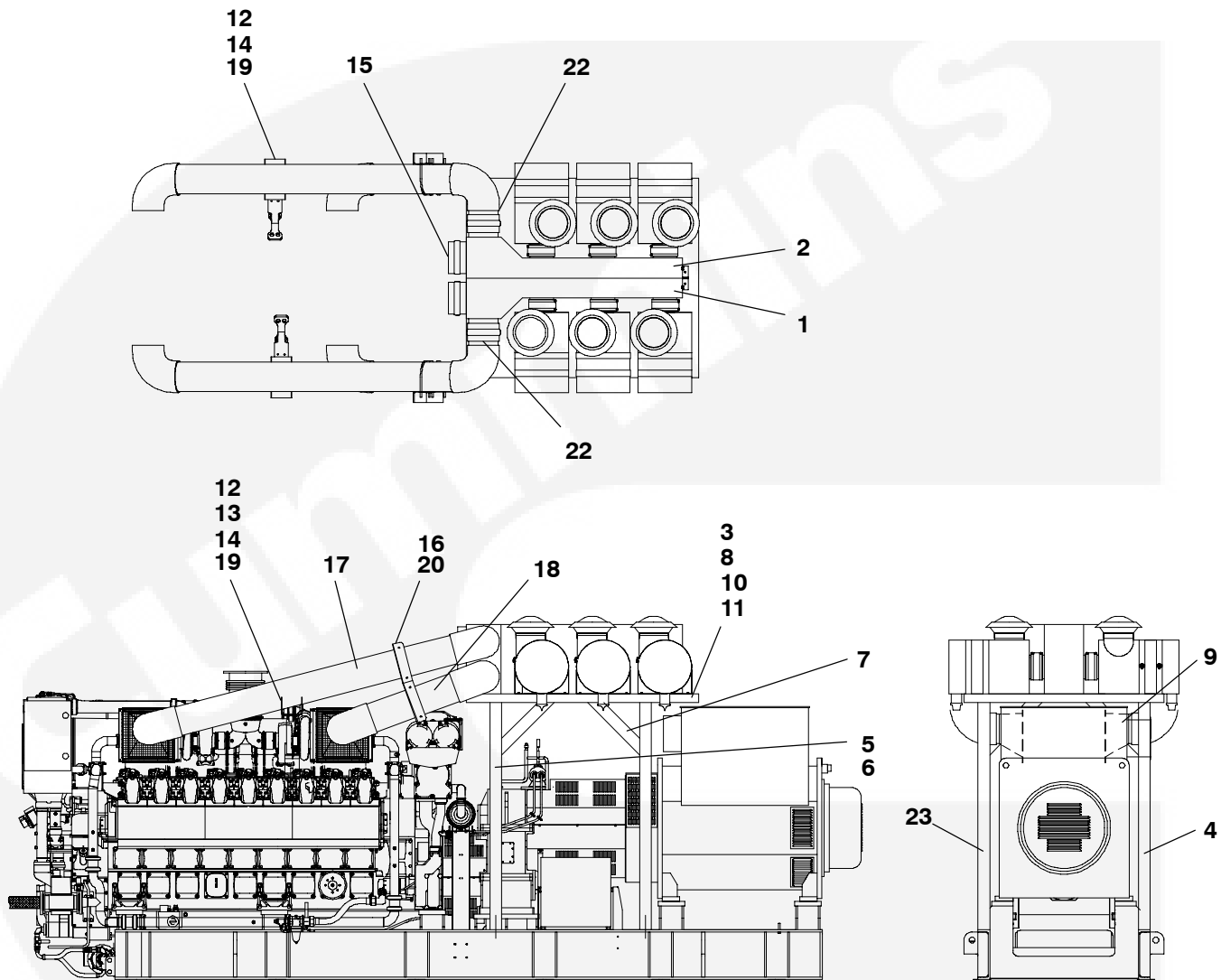
Air Cleaner **Parts and Fasteners** **Frame 8 With Gear Box – GQPB**



Air Cleaner
Parts and Fasteners
Frame 8 With Gear Box – GQPB

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-3357	12	Band, Air Cleaner	9	140-3370	6	Cap, Rain
2	140-3230	6	Cleaner, Air	10	862-0026-58	4	Nut, Hex (M16)
			Service Parts –	11	850-0114-57	4	Washer, Lock – Spring (M16)
			Primary Element	12	800-3017-76	4	Screw, Hex Head – Metric (M16 x 60)
			Nelson 70781N	13	800-3017-57	56	Screw, Hex Head – Metric (M12 x 45)
			Fleetguard AF25544	14	862-0026-57	68	Nut, Hex (M12)
			Safety Element	15	850-0114-56	68	Washer, Lock – Spring (M12)
			Nelson 70782N	16	526-0399-66	8	Washer, Flat (M16)
			Fleetguard AF25545	17	526-0399-65	124	Washer, Flat (M12)
3	503-1870-16	12	Clamp, Hose (210mm-230mm)	18	140-1260	2	Fitting, Safety Filter
4	503-2478	8	Hose, Intake	19	508-0305-02	–	Edging – Bulk (Order by the Foot – 4 Feet Required)
5	503-2479	24	Clamp, Hose (250mm-280mm)	20	100-3961-02	8	Nut – Special (M30)
6	503-2480	8	Elbow, Hose (10" – 90°)				
7	503-2488	6	Hose, Air (8")				
8	140-3685	2	Indicator, Service				

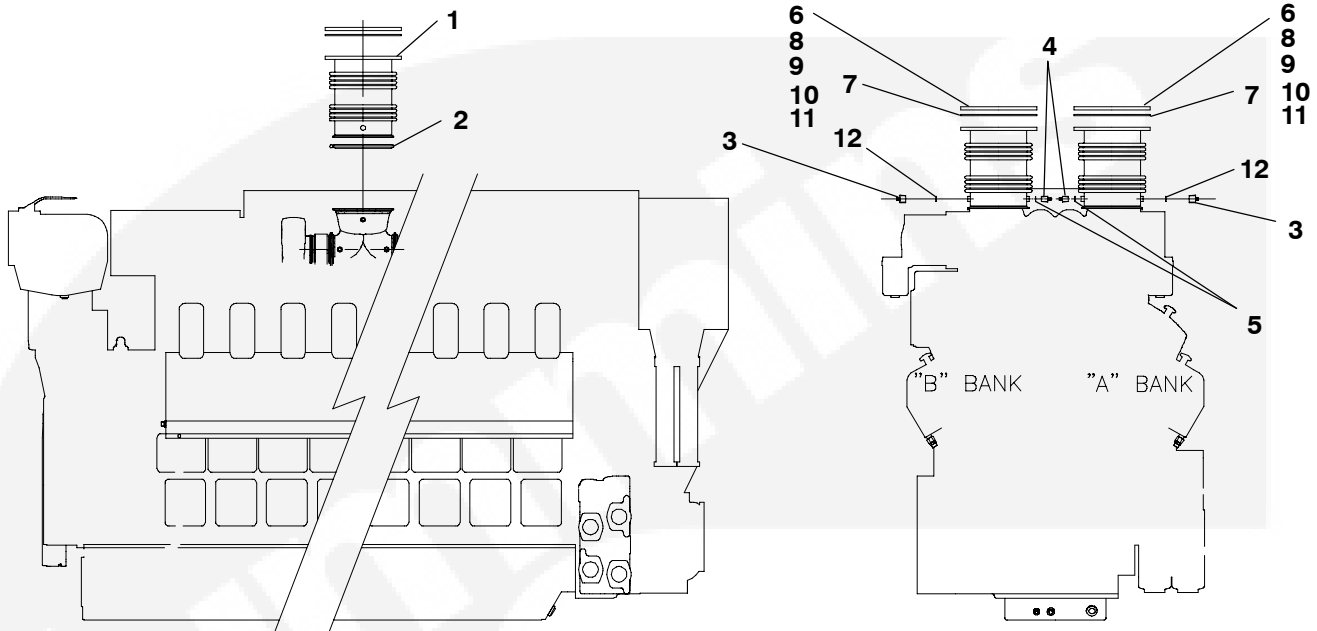
Air Cleaner Mounting Kit Frame 8 With Gear Box – GQPB



**Air Cleaner
Mounting Kit
Frame 8 With Gear Box – GQPB**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-3610-02	1	Adapter, Air Cleaner – Manifold L/H	12	140-3680-02	2	Bracket, Air Cleaner Tube – Clamp
2	140-3611-02	1	Adapter, Air Cleaner – Manifold R/H	13	140-3674-02	1	Bracket, Air Cleaner Tube – Long
3	140-3612-02	1	Base, Air Cleaner – Platform	14	140-3621-02	2	Bracket, Air Cleaner Tube – Support
4	140-3613-02	1	Base, Air Cleaner – Upright	15	140-3622-02	4	Tube, Air Cleaner – Support
5	140-3660-02	1	Base, Air Cleaner – Upright R/H	16	140-3626-02	4	Clamp, Air Cleaner
6	140-3659-02	1	Base, Air Cleaner – Upright L/H	17	140-3629-32	2	Tube, Air Cleaner
7	140-3615-02	4	Base, Air Cleaner – Brace	18	140-3629-16	2	Tube, Air Cleaner
8	140-3653-02	1	Base, Air Cleaner – Support Angle L/H	19	140-3631-02	2	Clamp, Air Cleaner
9	140-3633-02	2	Base, Air Cleaner – Support Angle	20	140-3681-02	2	Bracket, Air Cleaner Tube
10	140-3634-02	2	Base, Air Cleaner – Support Angle	21	140-3676-02	1	Bracket, Air Cleaner Tube (Not Shown)
11	140-3652-02	1	Base, Air Cleaner – Support Angle R/H	22	140-3629-02	4	Tube, Air Cleaner
				23	140-3690-02	1	Base, Air Cleaner – Upright

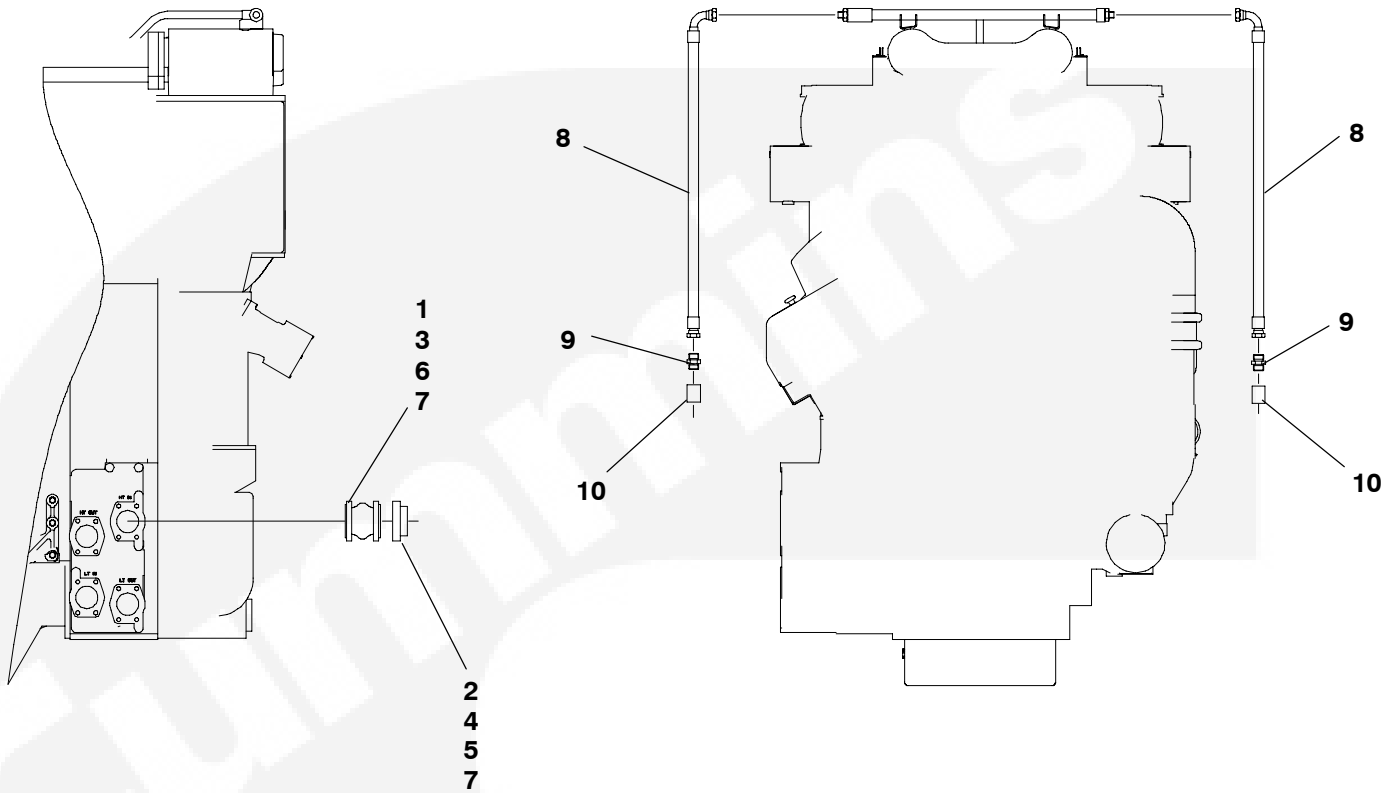
Exhaust Kit



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-3682	2	Baffle, Exhaust
2	155-3681	2	Clamp, Exhaust
3	505-2204	3	Plug, Pipe (M18 x 1.5 x 9)
4	505-2203	2	Plug, Pipe (M14 x 1.5 x 9)
5	509-0395	2	Washer, Sealing - Copper (M14)
6	155-3680	2	Flange, Exhaust

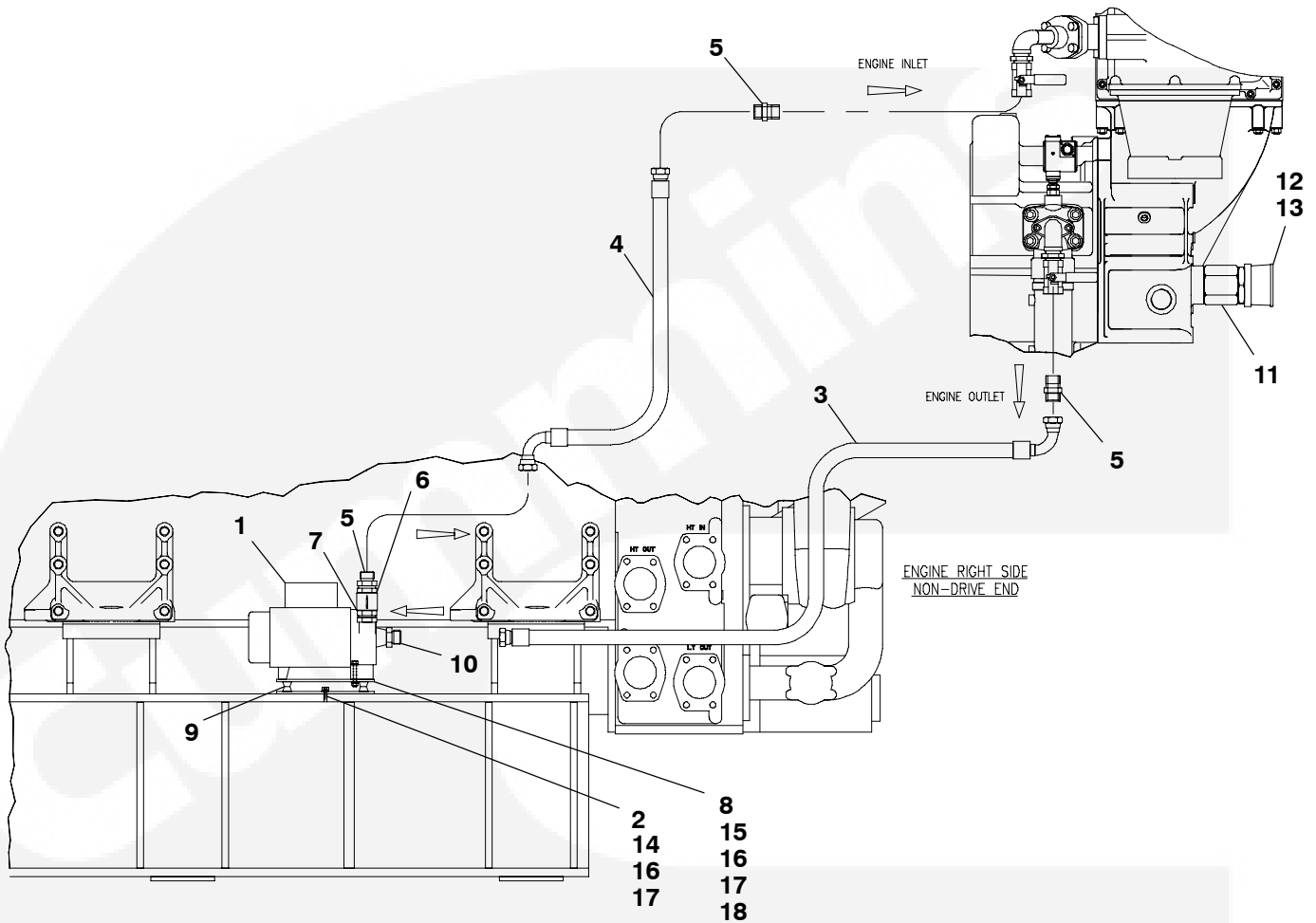
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
7	155-3704	2	Gasket, Exhaust
8	800-3017-77	24	Screw, Hex Head (M16 x 65)
9	862-0026-58	24	Nut, Hex (M16)
10	526-0399-66	48	Washer, Flat (M16)
11	850-0114-57	24	Washer, Lock - Spring (M16)
12	509-0394	2	Washer, Sealing - Copper (M18)

Radiator Connections



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	502-1435	4	Coupling, Hose	5	862-0026-58	16	Nut, Hex (M16)
2	505-2063	4	Flange, Pipe	6	526-0399-66	16	Washer, Flat (M16)
3	725-1159	16	Screw, Socket – Cap Head (M16 x 50)	7	850-0114-57	32	Washer, Lock – Spring (M16)
4	725-1163	16	Screw, Socket – Cap Head (M16 x 70)	8	501-0768	2	Hose Assembly
				9	502-1441	2	Adapter, Hose
				10	502-1440	2	Adapter, Hose

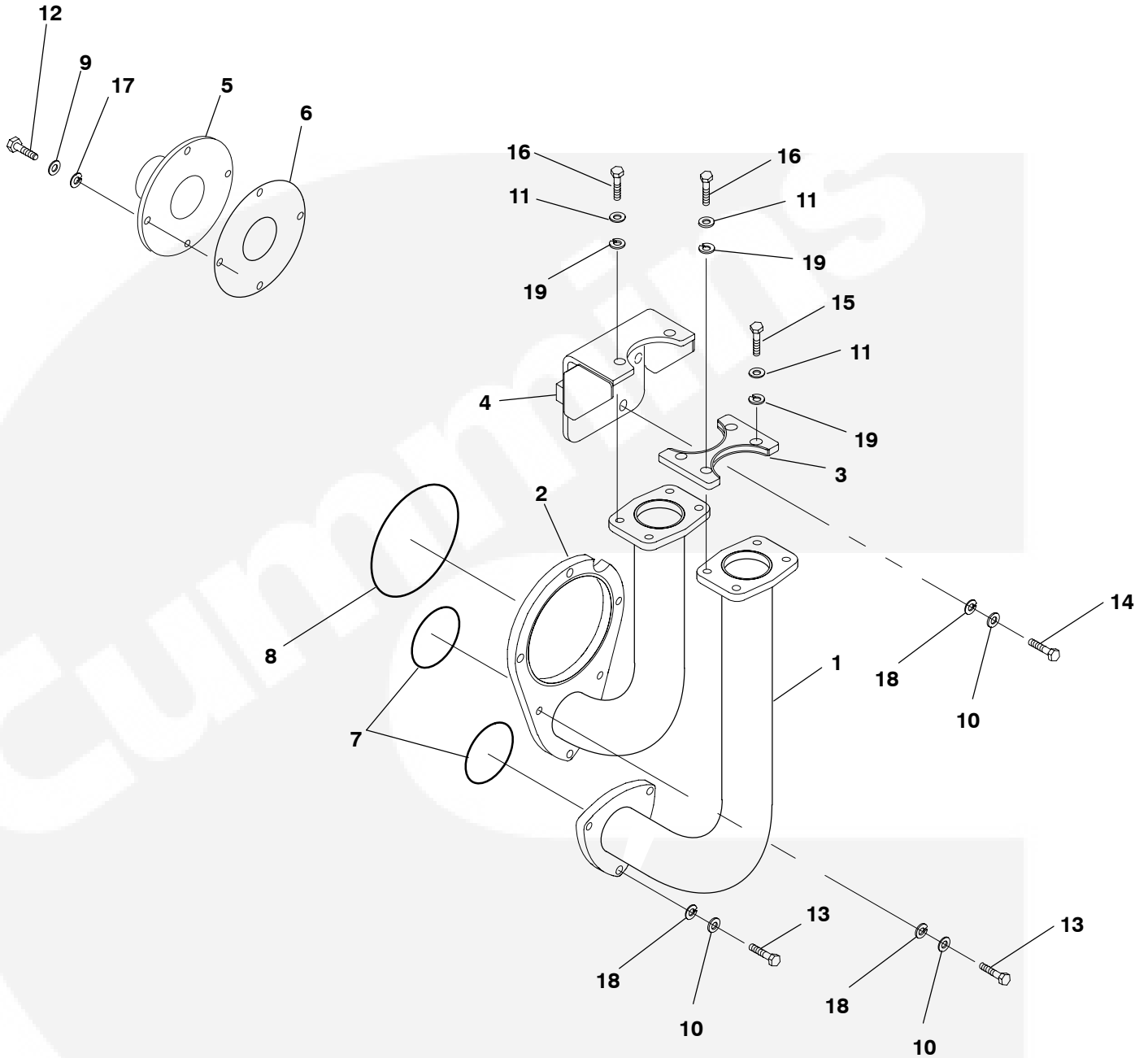
Engine Circulating Pump



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	132-0423	1	Pump, Water 400V 50Hz
	132-0425	1	480V 60Hz
2	132-0426-02	1	Bracket, Water Pump
3	501-0767	1	Hose Assembly
4	501-0766	1	Hose Assembly
5	505-2085	3	Adapter, Pipe
6	504-0261	1	Valve, Check
7	505-2253-02	1	Adapter, Pipe
8	132-0424-02	1	Bracket, Water Pump
9	403-4911	4	Pad, Mounting

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
10	505-2225-02	1	Adapter, Pipe
11	130-5648	2	Adapter, Water Heater - 60Hz
12	249-0859	2	Heater, Coolant - 60Hz
13	331-0624	2	Adapter, Conduit - 60Hz
14	800-3017-19	3	Screw, Hex Head (M8 x 1.25 x 20)
15	800-3017-22	2	Screw, Hex Head (M8 x 1.25 x 35)
16	526-0399-60	7	Washer, Flat (M8)
17	850-0114-54	5	Washer, Lock - Spring (M8)
18	826-0026-55	2	Nut, Hex (M8)

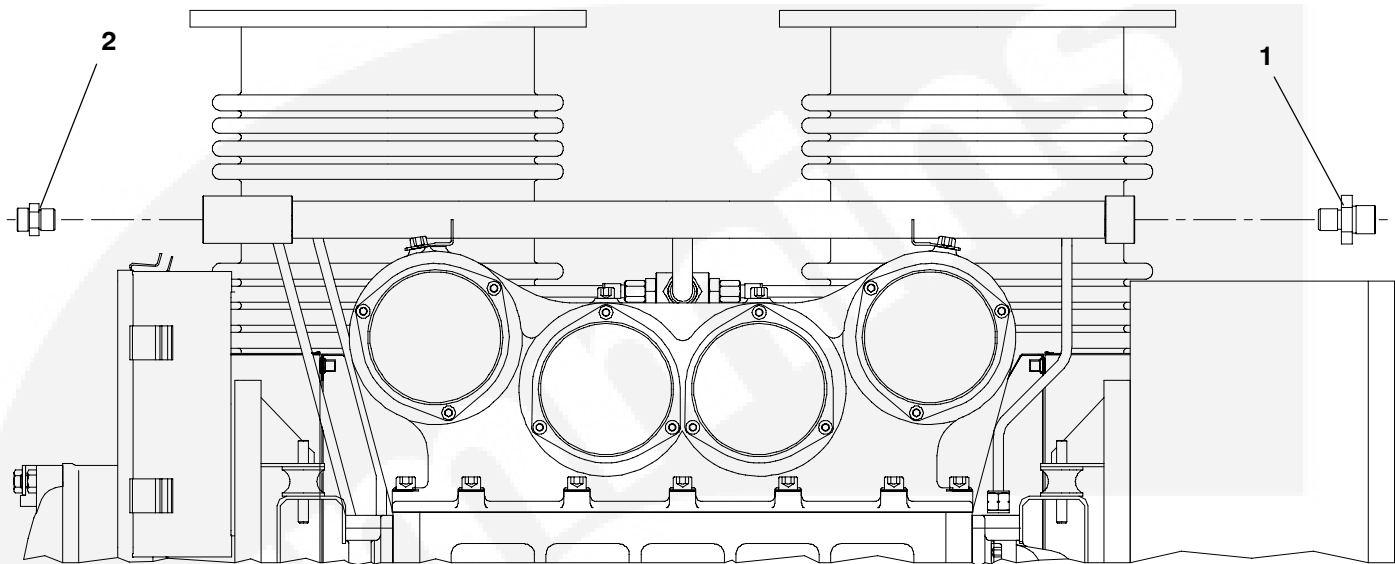
Engine Circulating Pump



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-6416	1	Tube, Water
2	130-6417	1	Tube, Water
3	132-0455	1	Bracket, Water Pump
4	132-0456	1	Bracket, Water Pump
5	132-0457	1	Cover, Water Pump
6	132-0458	1	Gasket, Water Pump
7	509-0433	2	Seal, 'O'-Ring
8	509-0434	1	Seal, 'O'-Ring
9	526-0399-60	4	Washer, Flat (M8)
10	526-0399-64	11	Washer, Flat (M12)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
11	526-0399-66	8	Washer, Flat (M16)
12	800-3017-19	4	Screw, Hex Head (M8 x 20)
13	800-3017-55	8	Screw, Hex Head (M12)
14	800-3017-56	3	Screw, Hex Head (M12)
15	800-3017-71	2	Screw, Hex Head (M16 x 30)
16	800-3017-73	6	Screw, Hex Head (M16 x 45)
17	850-0114-54	4	Washer, Lock (M8)
18	850-0114-56	11	Washer, Lock (M12)
19	850-0114-58	11	Washer, Lock (M16)

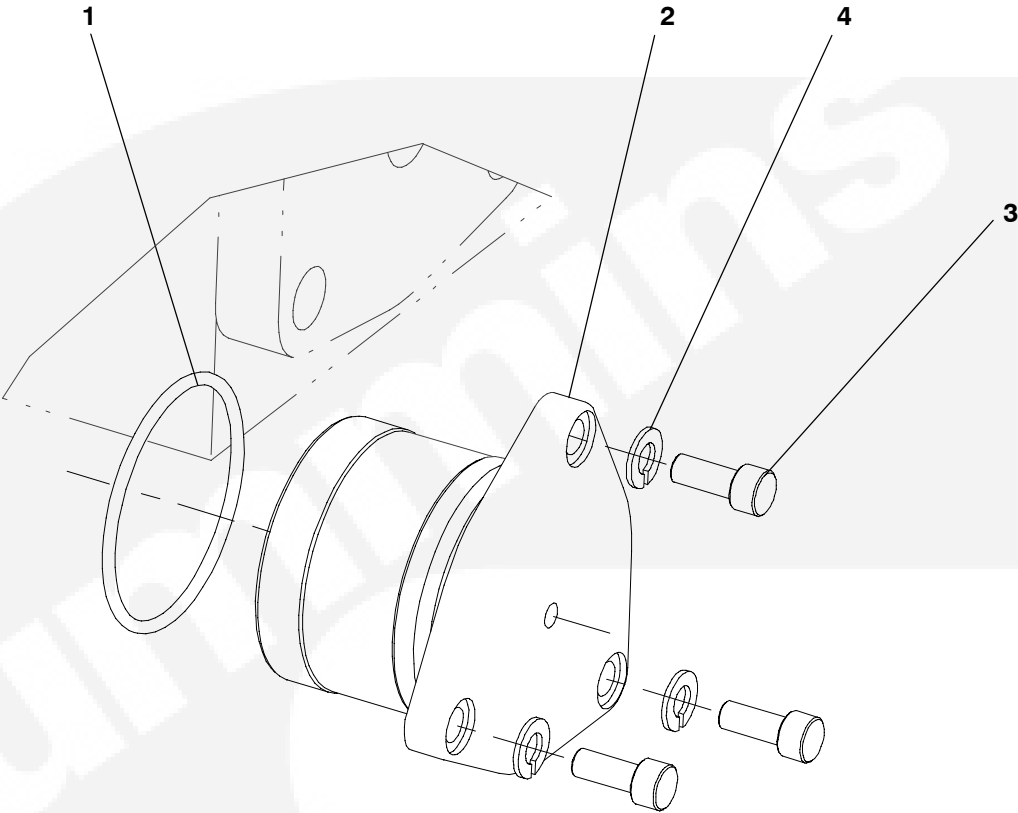
Cooling System Vents



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	505-2072	1	Adapter, Pipe

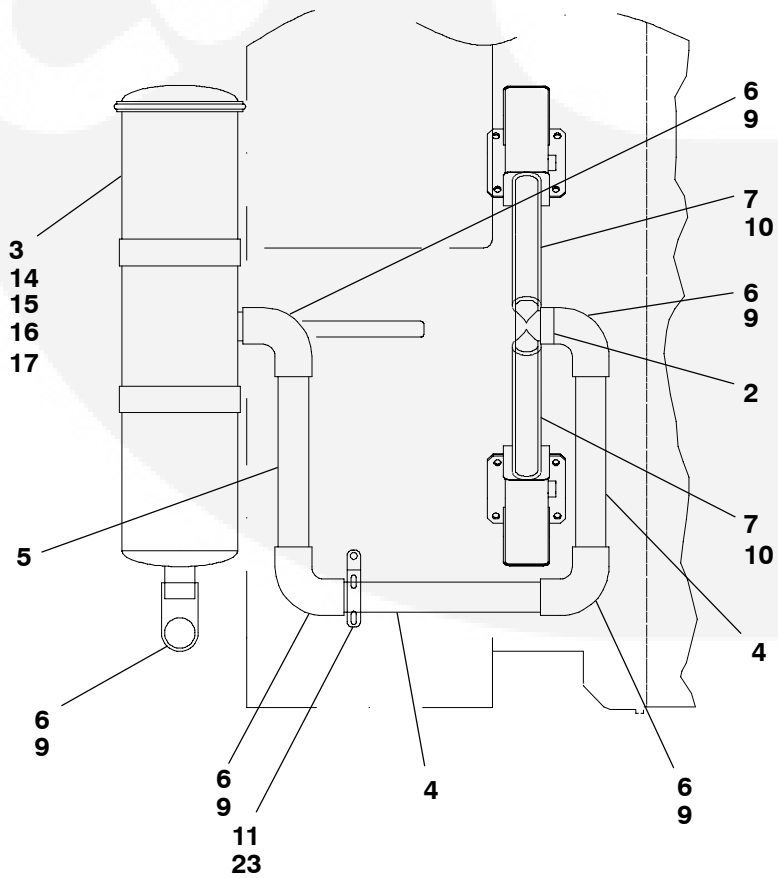
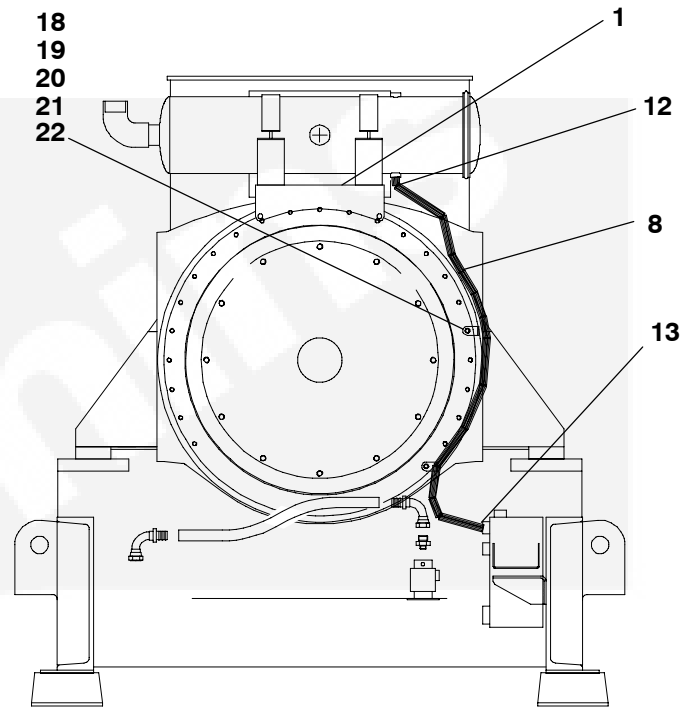
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
2	505-2073	1	Adapter, Pipe

Thermostat (Dummy)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	509-0437	4	Seal, 'O'-Ring	3	725-1051	12	Screw, Socket Head (M8 x 25)
2	517-0379	4	Plug, Cap	4	850-0114-54	12	Washer, Lock (M8)

Crankcase Ventilation Filter **Frame 7 – GQMA, GQMB, GQNA, GQNB**

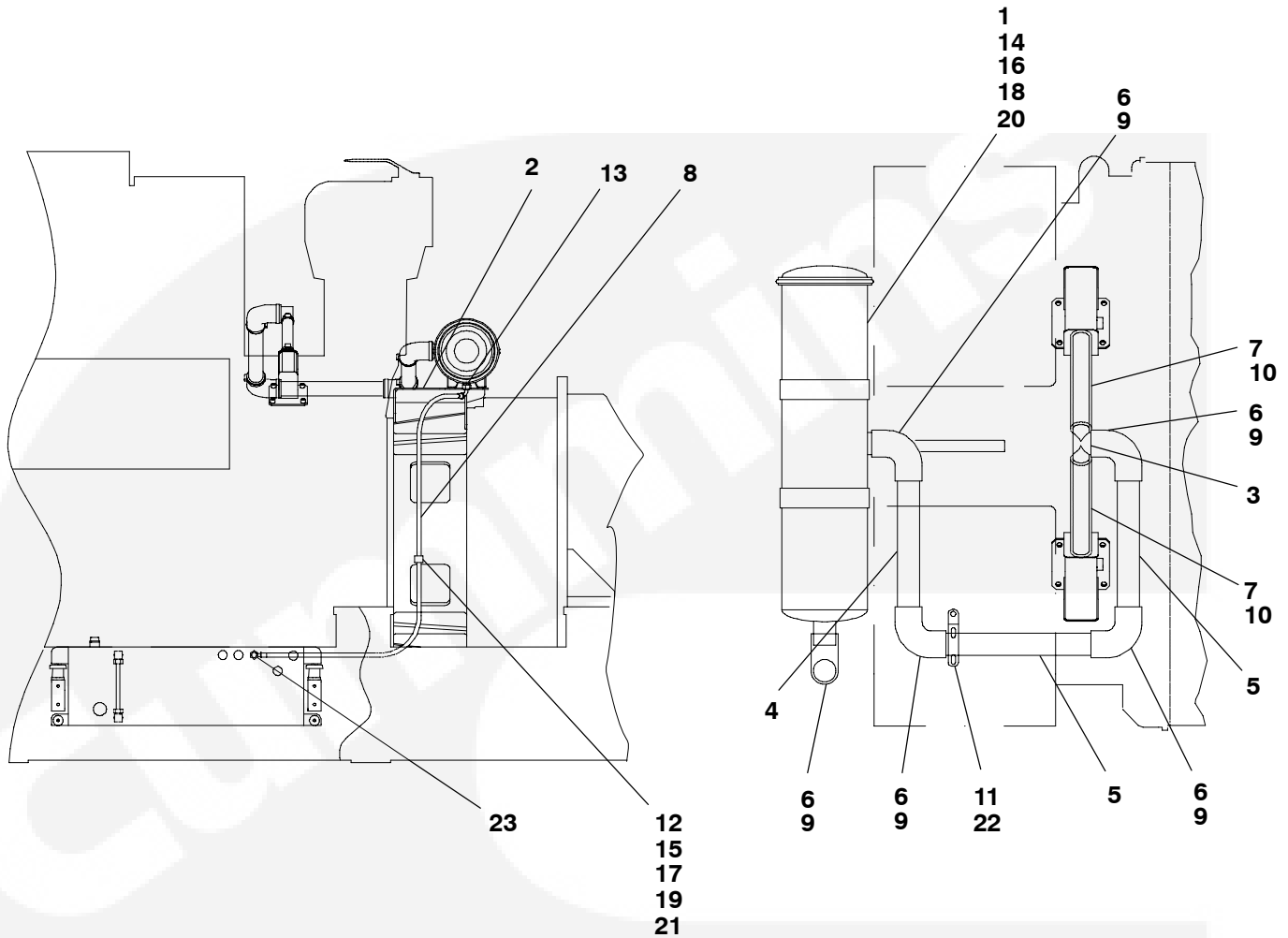


Crankcase Ventilation Filter
Frame 7 – GQMA, GQMB, GQNA, GQNB

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	122-0870-02	1	Bracket, Oil Filter	12	505-2052	1	Adapter, Pipe
2	505-2062	1	Tee, Pipe	13	505-2071	1	Adapter, Pipe
3	122-0862-01	1	Filter, Oil	14	862-0026-56	8	Nut, Hex (M10)
4	123-2203-02	2	Tube, Breather	15	725-1075	8	Screw, Cap – Socket Head (M10 x 25)
5	123-2201-02	1	Tube, Breather	16	526-0399-62	8	Washer, Flat (M10)
6	503-2364	5	Elbow, Hose	17	850-0114-55	8	Washer, Lock – Spring (M10)
7	503-2359	–	Hose, Radiator – Bulk (Order by the Foot – 1 Foot Required)	18	862-0026-52	2	Nut, Hex (M4)
8	501-0761	1	Hose Assembly	19	815-1540-19	2	Screw, Cheese Head (M4 x 12)
9	503-2373	10	Clamp, Hose	20	526-0399-54	2	Washer, Flat (M4)
10	503-2372	4	Clamp, Hose	21	331-0577	2	Clamp, Conduit
11	122-0871-02	1	Bracket, Oil Filter	22	122-0872-02	2	Bracket, Oil Filter
				23	123-2206	1	Clamp, Breather Tube



Crankcase Ventilation Filter **Frame 8 – GQMA, GQMB, GQNA, GQNB**



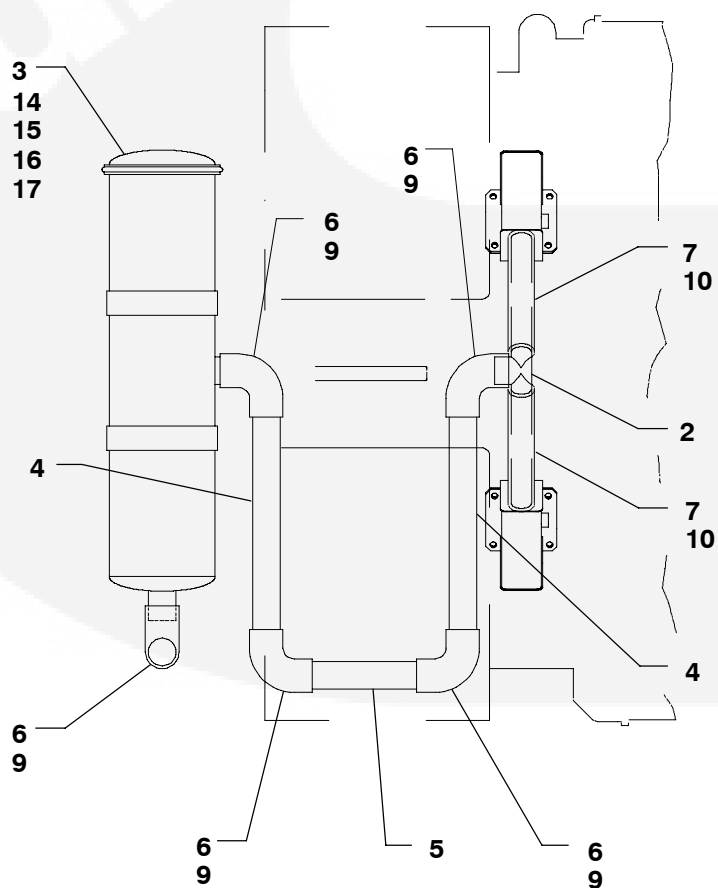
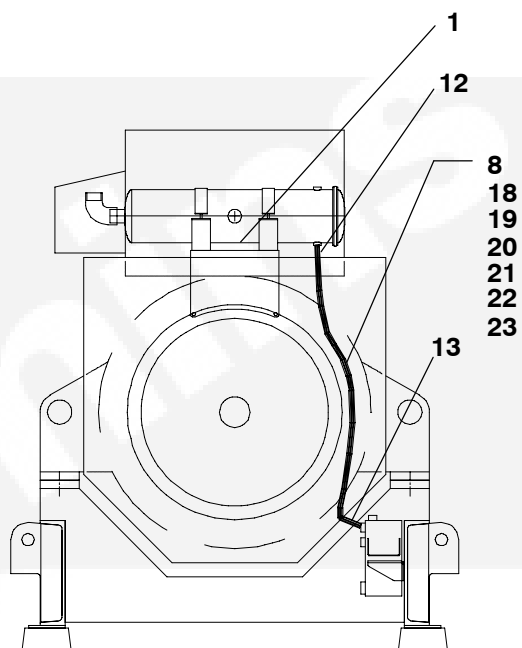
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	122-0862-01	1	Filter, Oil
2	123-2200-02	1	Bracket, Breather
3	505-2062	1	Tee, Pipe
4	123-2201-02	2	Tube, Breather
5	123-2203-02	1	Tube, Breather
6	503-2364	5	Elbow, Hose
7	503-2359	-	Hose, Radiator – Bulk (Order by the Foot – 1 Foot Required)
8	501-0765	1	Hose Assembly
9	503-2372	4	Clamp, Hose
10	503-2373	10	Clamp, Hose
11	122-0871-02	1	Bracket, Oil Filter

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
12	122-0872-02	2	Bracket, Oil Filter
13	505-2052	1	Adapter, Pipe
14	800-3017-37	8	Screw, Hex Head (M10 x 25)
15	815-1540-19	4	Screw, Cheese Head (M4 x 12)
16	862-0026-56	8	Nut, Hex (M10)
17	862-0026-52	2	Nut, Hex (M4)
18	526-0399-62	16	Washer, Flat (M10)
19	526-0399-54	2	Washer, Flat (M4)
20	850-0114-55	8	Washer, Lock – Spring (M10)
21	503-2374	2	Clamp, Hose
22	123-2206	1	Clamp, Breather Tube
23	505-2071	1	Adapter, Pipe

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Crankcase Ventilation Filter **Frame DIG130 – GQMA, GQMB, GQNA, GQNB**

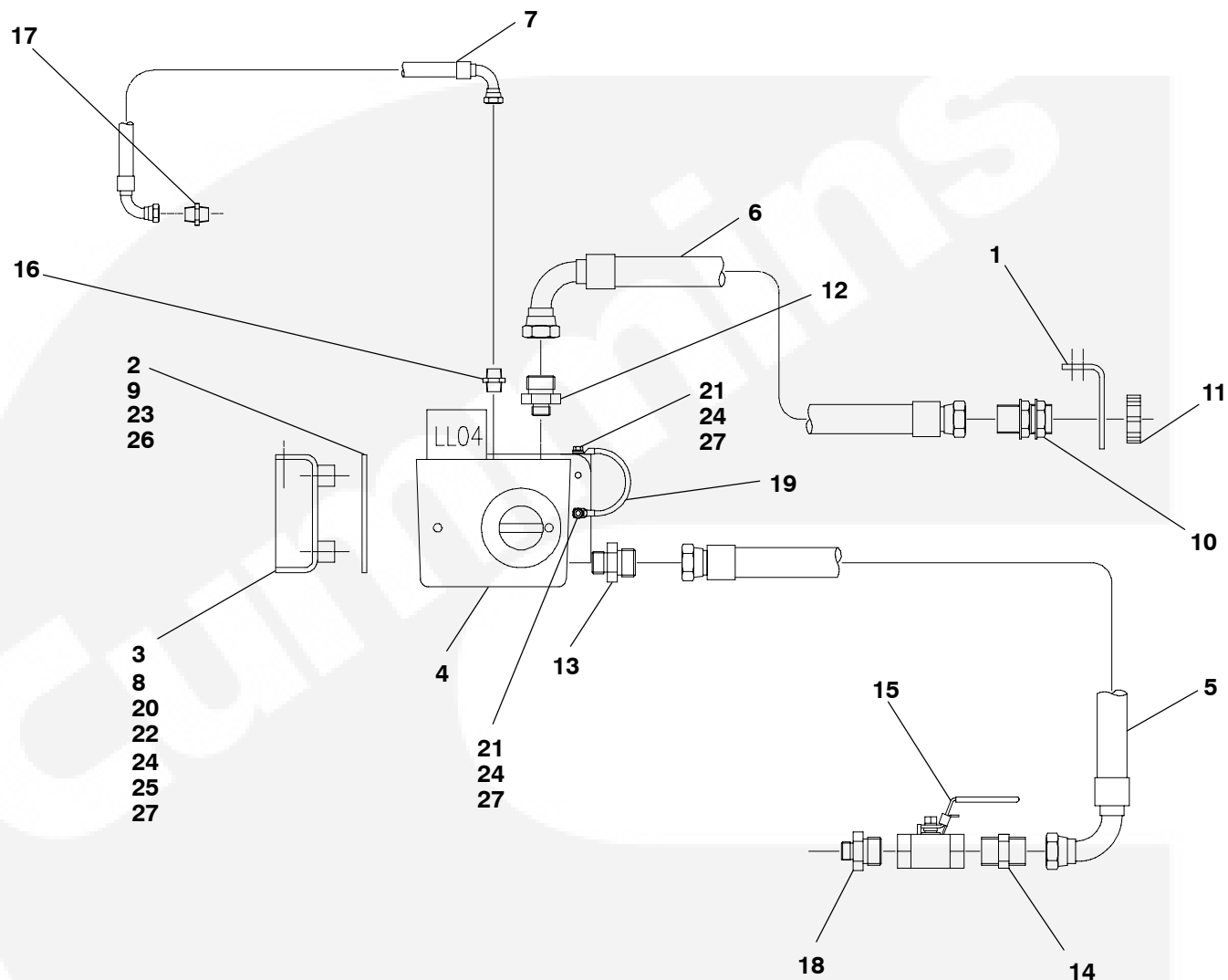


Crankcase Ventilation Filter
Frame DIG130 – GQMA, GQMB, GQNA, GQNB

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	123-2278-02	1	Bracket, Oil Filter	12	505-2052	1	Adapter, Pipe
2	505-2062	1	Tee, Pipe	13	505-2071	1	Adapter, Pipe
3	122-0862-01	1	Filter, Oil	14	862-0026-56	8	Nut, Hex (M10)
4	123-2201-02	2	Tube, Breather	15	725-1075	8	Screw, Cap – Hex Head (M10 x 25)
5	123-2203-02	1	Tube, Breather	16	526-0399-62	8	Washer, Flat (M10)
6	503-2364	5	Elbow, Hose	17	850-0114-55	8	Washer, Lock – Spring (M10)
7	503-2359	–	Hose, Radiator – Bulk (Order by the Foot – 1 Foot Required)	18	862-0026-52	2	Nut, Hex (M4)
8	501-0761	1	Hose Assembly	19	815-1540-19	2	Screw, Cheese Head (M4 x 12)
9	503-2373	10	Clamp, Hose	20	526-0399-54	2	Washer, Flat (M4)
10	503-2372	4	Clamp, Hose	21	331-0577	2	Clamp, Conduit
11	122-0871-02	1	Bracket, Oil Filter (Not Shown)	22	122-0872-02	2	Bracket, Oil Filter
				23	123-2206	1	Clamp, Breather Tube



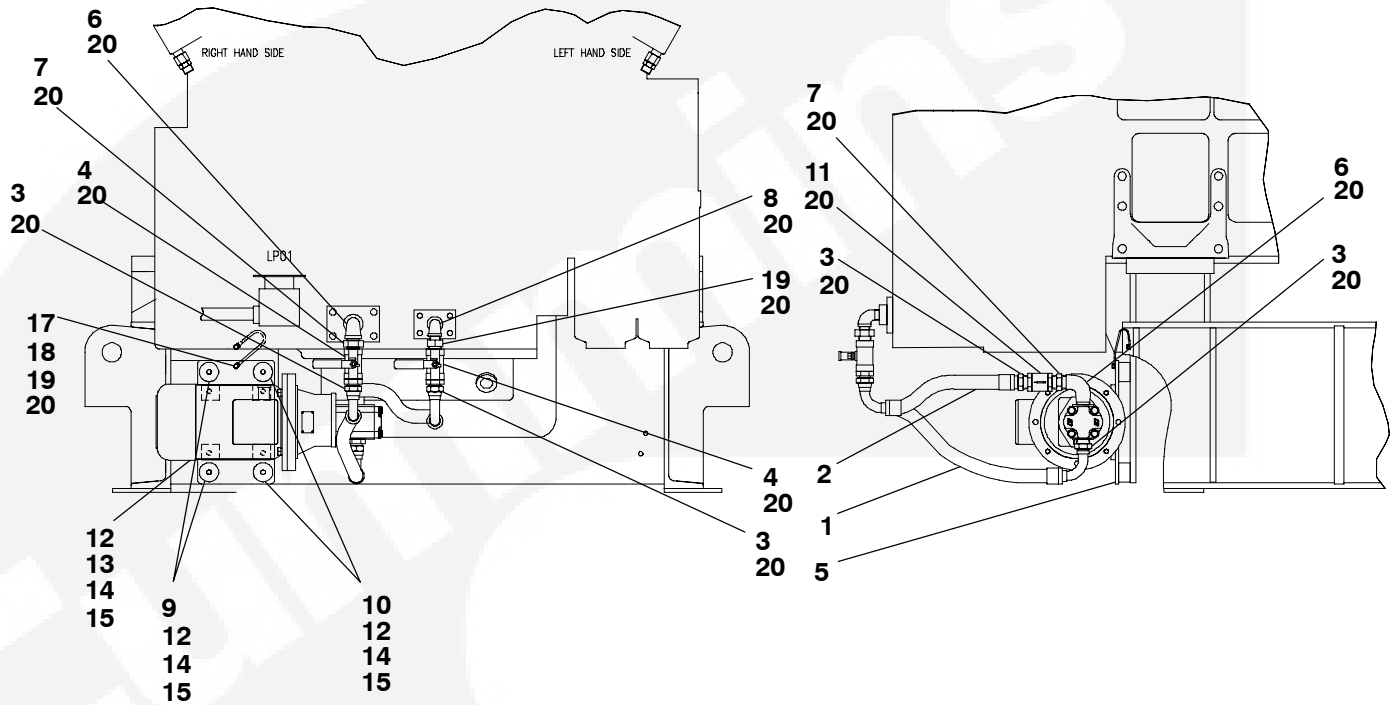
Oil System Make-Up



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	305-1001-02	1	Bracket, Regulator
2	305-1000-02	1	Bracket, Regulator
3	120-1340-02	1	Bracket, Oil Line
4	309-0679	1	Switch, Level
5	501-0760	1	Hose Assembly
6	501-0758	1	Hose Assembly
7	503-2413	1	Hose Assembly
8	403-4911	4	Pad, Mounting
9	800-0047	2	Screw, Hex Head (3/8 x 15)
10	505-2070	1	Adapter, Pipe
11	123-2198	1	Cap, Oil Fill
12	505-2048	1	Adapter, Pipe
13	505-2083	1	Adapter, Pipe
14	505-2085	1	Adapter, Pipe
15	504-0227	1	Valve, Ball

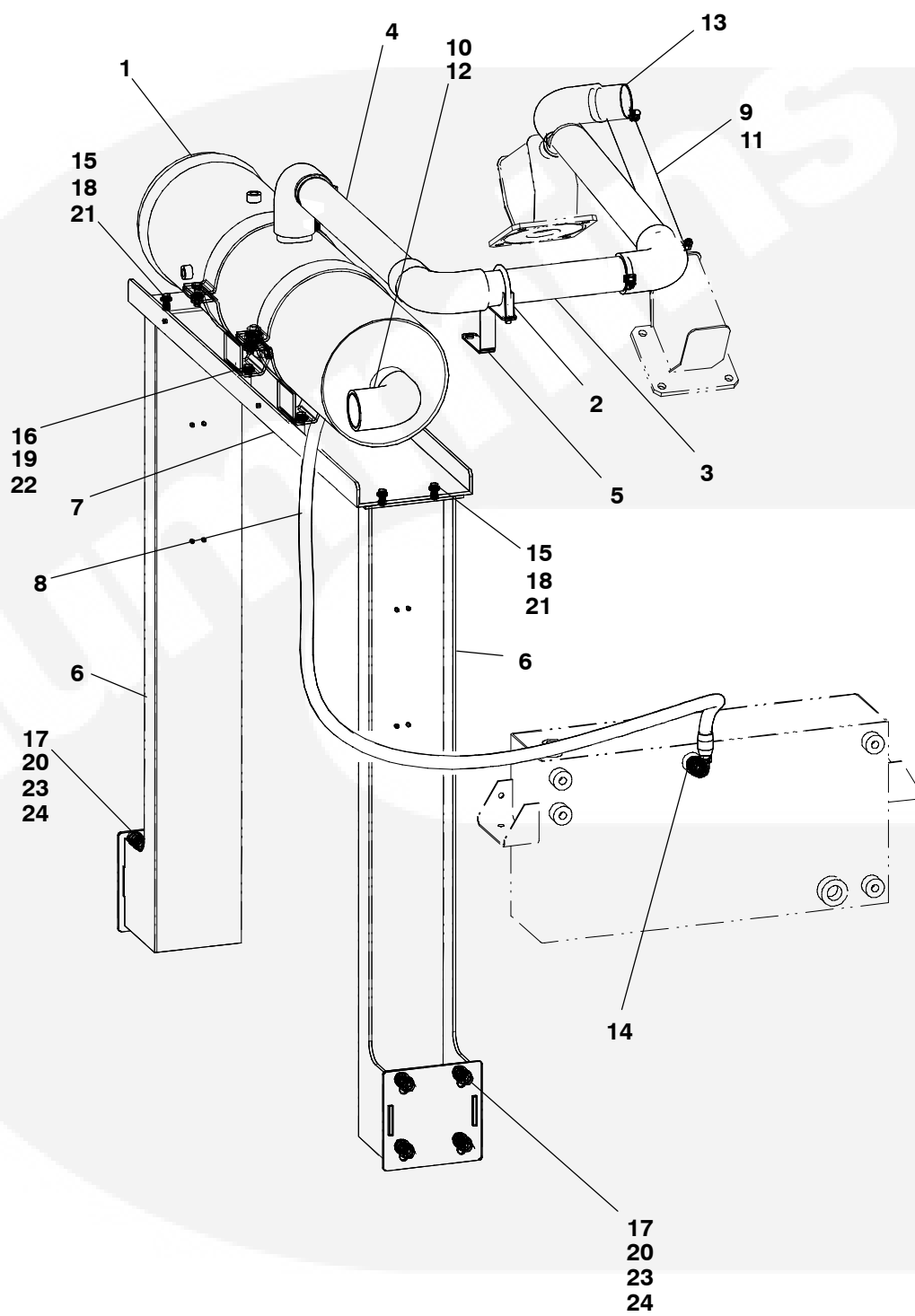
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
16	502-1441	1	Adapter, Pipe (1/2 x 1/2)
17	505-2071	1	Adapter, Pipe (1/2 x 1/2)
18	123-2197	1	Adapter, Oil Fill
19	337-3582-06	1	Strap, Ground (240mm)
20	802-2535-05	3	Screw, Cap - Socket Head (M12 x 1.75 x 40)
21	800-3017-03	2	Screw, Hex Head (M6 x 1.0 x 16)
22	526-0399-64	3	Washer, Flat - Steel (M12)
23	526-0399-62	4	Washer, Flat - Steel (M10)
24	526-0399-58	10	Washer, Flat - Steel (M6)
25	850-0114-56	3	Washer, Lock - Spring (M12)
26	850-0114-55	2	Washer, Lock - Spring (M10)
27	850-0114-53	10	Washer, Lock - Spring (M6)

Oil System Priming



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	501-0763	1	Hose Assembly	12	862-0026-56	8	Nut, Hex (M10)
2	501-0762	1	Hose Assembly	13	800-3017-40	4	Screw, Set – Hex Head (M10 x 40)
3	505-2085	4	Adapter, Pipe	14	526-0399-62	12	Washer, Flat (M10)
4	504-0227	2	Valve, Ball	15	850-0114-55	8	Washer, Lock – Spring (M10)
5	319-4671-02	2	Plate, Mounting	16	505-2077	1	Adapter, Pipe (Not Shown)
6	505-2061	2	Elbow, Pipe	17	337-3582-06	1	Strap, Ground (240mm)
7	505-2103	2	Adapter, Pipe	18	800-3017-03	2	Screw, Hex Head (M6 x 1.0 x 16)
8	505-1574	1	Elbow, Pipe	19	526-0399-58	2	Washer, Flat – Steel (M6)
9	403-4910	2	Pad, Mounting	20	850-0114-53	2	Washer, Lock – Spring (M6)
10	403-4909	2	Pad, Mounting				
11	504-0261	1	Valve, Check				

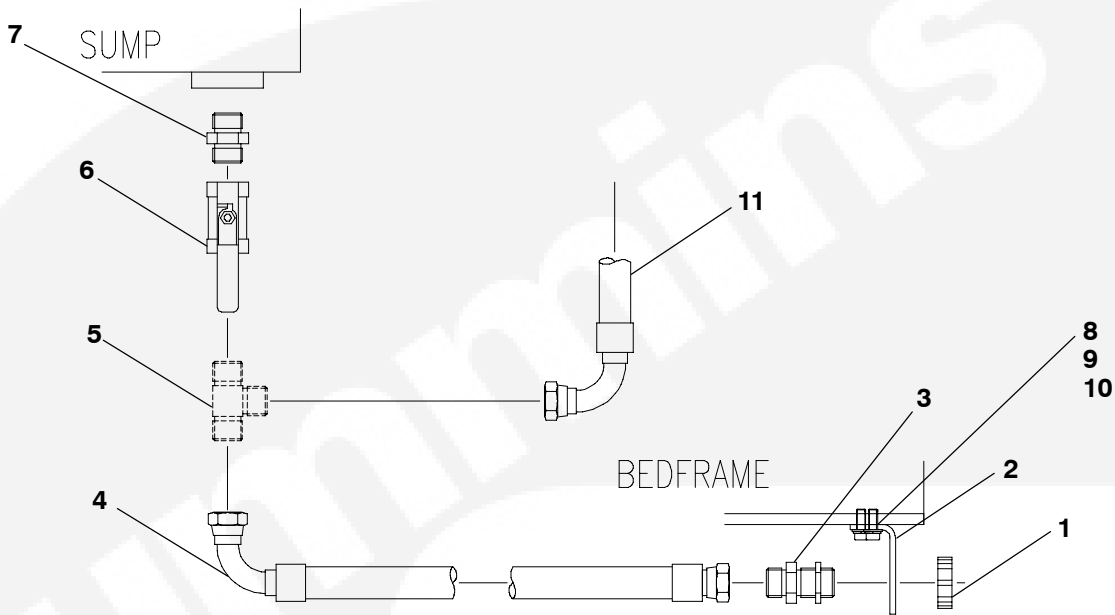
Crankcase Ventilation Filter GQPB



Crankcase Ventilation Filter GQPB

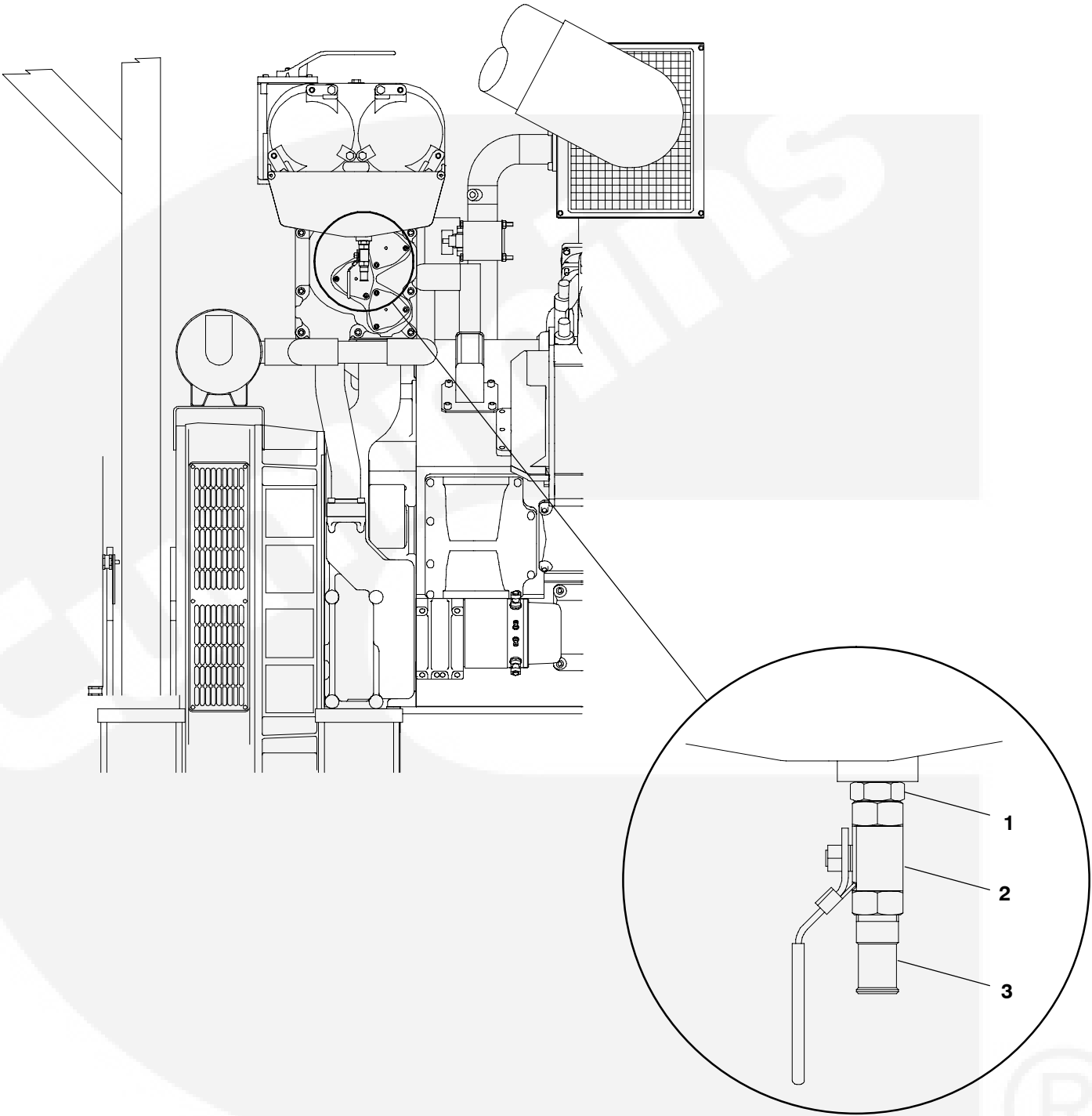
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	122-0862	1	Filter, Oil	13	505-2062	1	Tee, Pipe
2	123-2206	1	Clamp, Breather Tube	14	505-2071	1	Adaptor, Pipe (1/2" x 1/2")
3	123-2221-02	1	Tube, Breather	15	526-0399-60	4	Washer, Flat (M8)
4	123-2222-02	2	Tube, Breather	16	526-0399-62	4	Washer, Flat (M10)
5	123-2223-02	1	Bracket, Breather	17	526-0399-64	16	Washer, Flat (M12)
6	123-2224-02	2	Bracket, Crank Vent	18	800-3017-19	4	Screw, Hex Head (M8 x 20)
7	123-2225-02	1	Bracket, Crank Vent	19	800-3017-38	4	Screw, Hex Head (M10 x 30)
8	501-0761	1	Hose Assembly	20	800-3017-55	8	Screw, Hex Head (M12)
9	503-2359	2	Hose, Radiator	21	850-0114-54	4	Washer, Lock (M8)
10	503-2364	5	Elbow, Hose	22	850-0114-55	4	Washer, Lock (M10)
11	503-2372	4	Clamp, Hose	23	850-0114-56	8	Washer, Lock (M12)
12	503-2373	10	Clamp, Hose	24	862-0026-57	8	Nut, Hex (M12)

Oil Drain
Sump



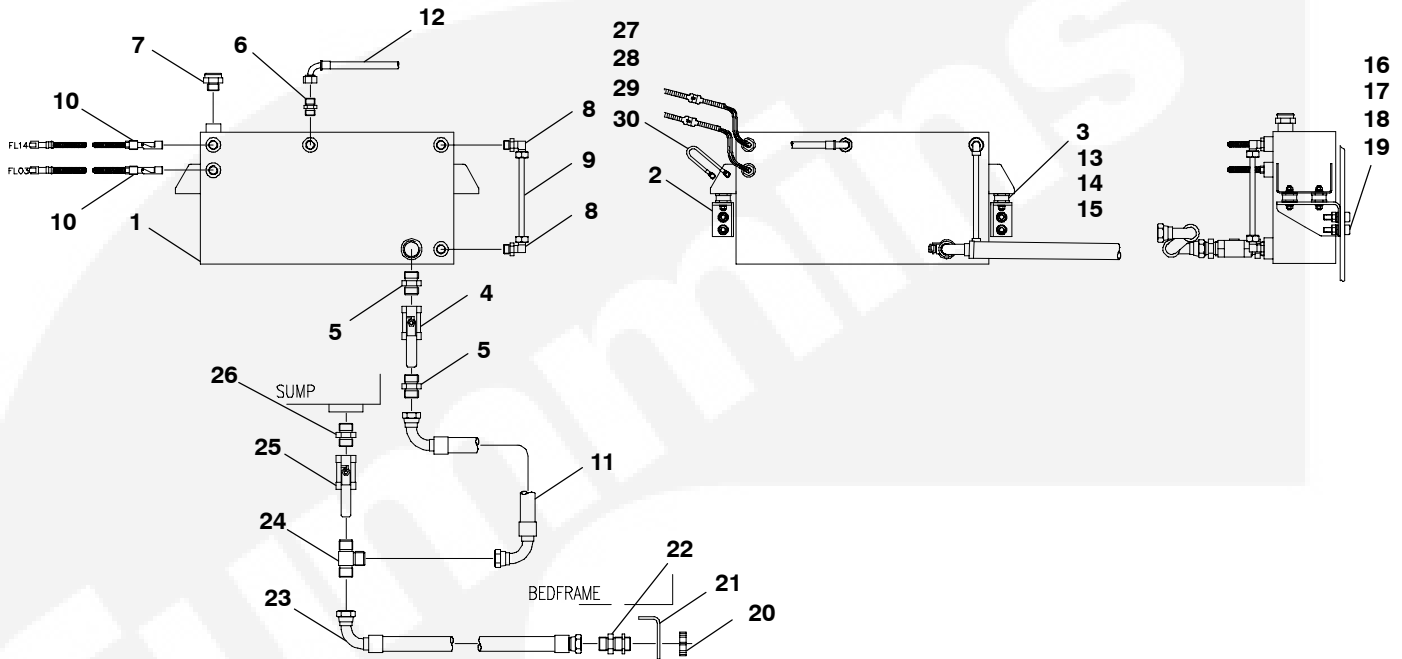
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	123-2198	1	Cap, Oil Fill	7	505-2068	1	Adaptor, Pipe
2	305-1001-02	1	Bracket, Regulator	8	725-1075	2	Screw, Cap – Socket Head (M10 x 25)
3	505-2069	1	Adaptor, Pipe	9	526-0399-62	2	Washer, Flat (M10)
4	501-0775	1	Hose Assembly	10	850-0114-55	2	Washer, Lock – Spring (M10)
5	502-1433	1	Tee, Hose	11	501-0774	1	Hose Assembly
6	504-0227	1	Valve, Ball				

Oil Drain
Remote Oil



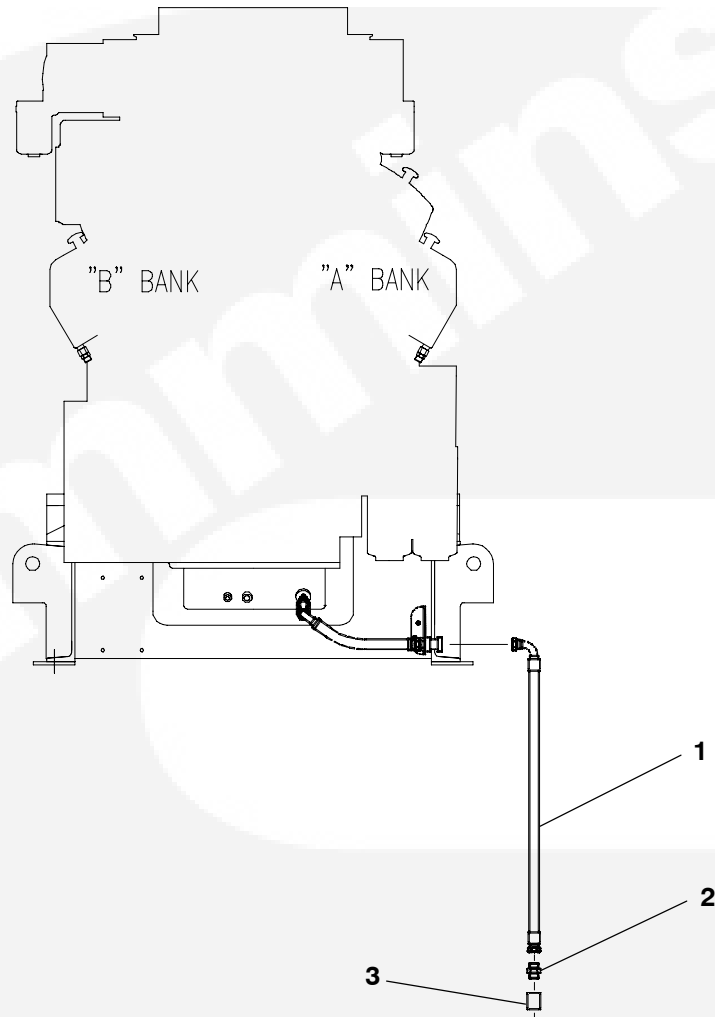
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	505-2074	1	Adapter, Pipe (M18)	3	502-1475	1	Adapter, Hose (1/2)
2	504-0247	1	Valve, Ball (1/2)				

Waste Oil System Tank



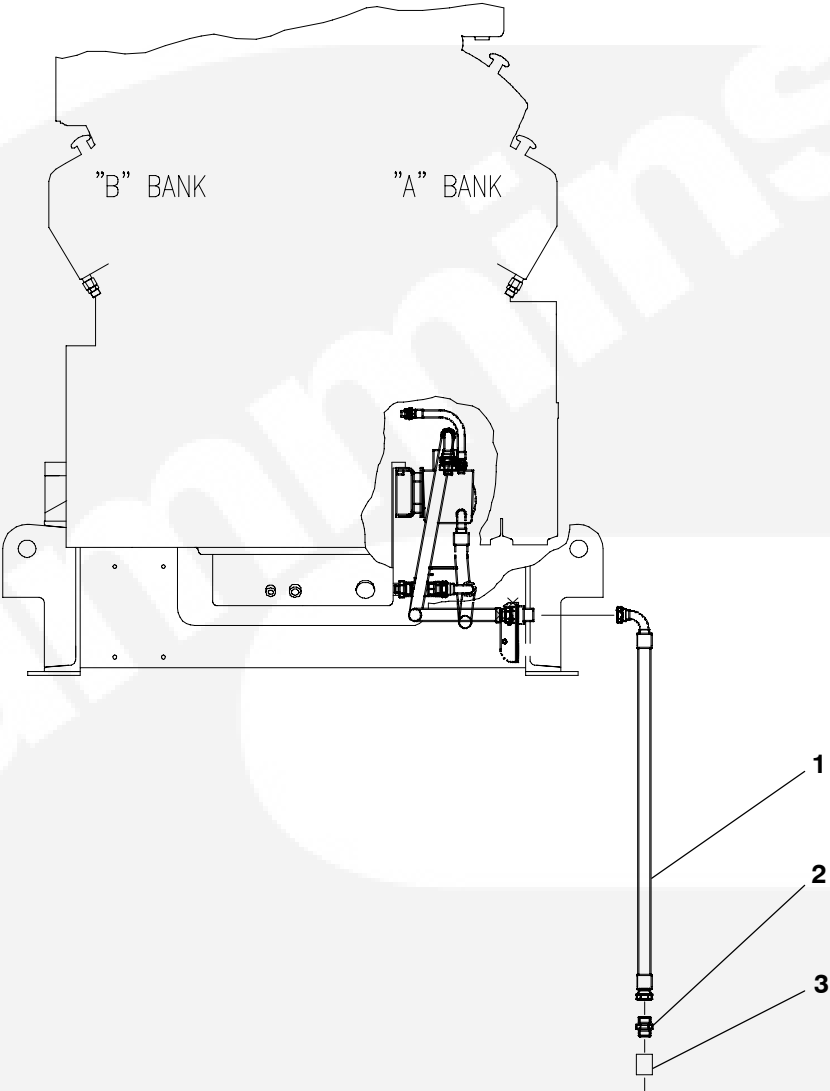
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	102-1507-02	1	Tank, Oil - Dirty	17	800-3017-59	4	Screw, Hex Head (M12 x 55)
2	403-4913-02	2	Bracket, Tank	18	526-0399-64	4	Washer, Flat - Steel (M12)
3	403-4916	4	Pad, Mounting	19	850-0114-56	4	Washer, Lock - Spring (M12)
4	504-0227	1	Valve, Ball	20	123-2198	1	Cap, Oil Fill
5	505-2085	2	Adapter, Pipe	21	305-1001-02	1	Bracket, Regulator
6	505-2071	1	Adapter, Pipe	22	505-2069	1	Adaptor, Pipe
7	123-2204	1	Adapter, Breather	23	501-0775	1	Hose Assembly
8	505-2069	2	Elbow, Pipe	24	502-1433	1	Tee, Hose
9	123-2205	1	Tube, Oil Indicator	25	504-0227	1	Valve, Ball
10	249-0864	2	Switch, Level	26	505-2068	1	Adaptor, Pipe
11	501-0774	1	Hose Assembly	27	337-3582-06	1	Strap, Ground (240mm)
12	501-0765	1	Hose Assembly	28	800-3017-03	2	Screw, Hex Head (M6 x 1.0 x 16)
13	862-0026-55	8	Nut, Hex - Steel (M8)	29	526-0399-58	2	Washer, Flat - Steel (M6)
14	526-0399-60	8	Washer, Flat - Steel (M8)	30	850-0114-53	2	Washer, Lock - Spring (M6)
15	850-0114-54	8	Washer, Lock - Spring (M8)				
16	862-0026-57	4	Nut, Hex - Steel (M12)				

Oil Drain Connections



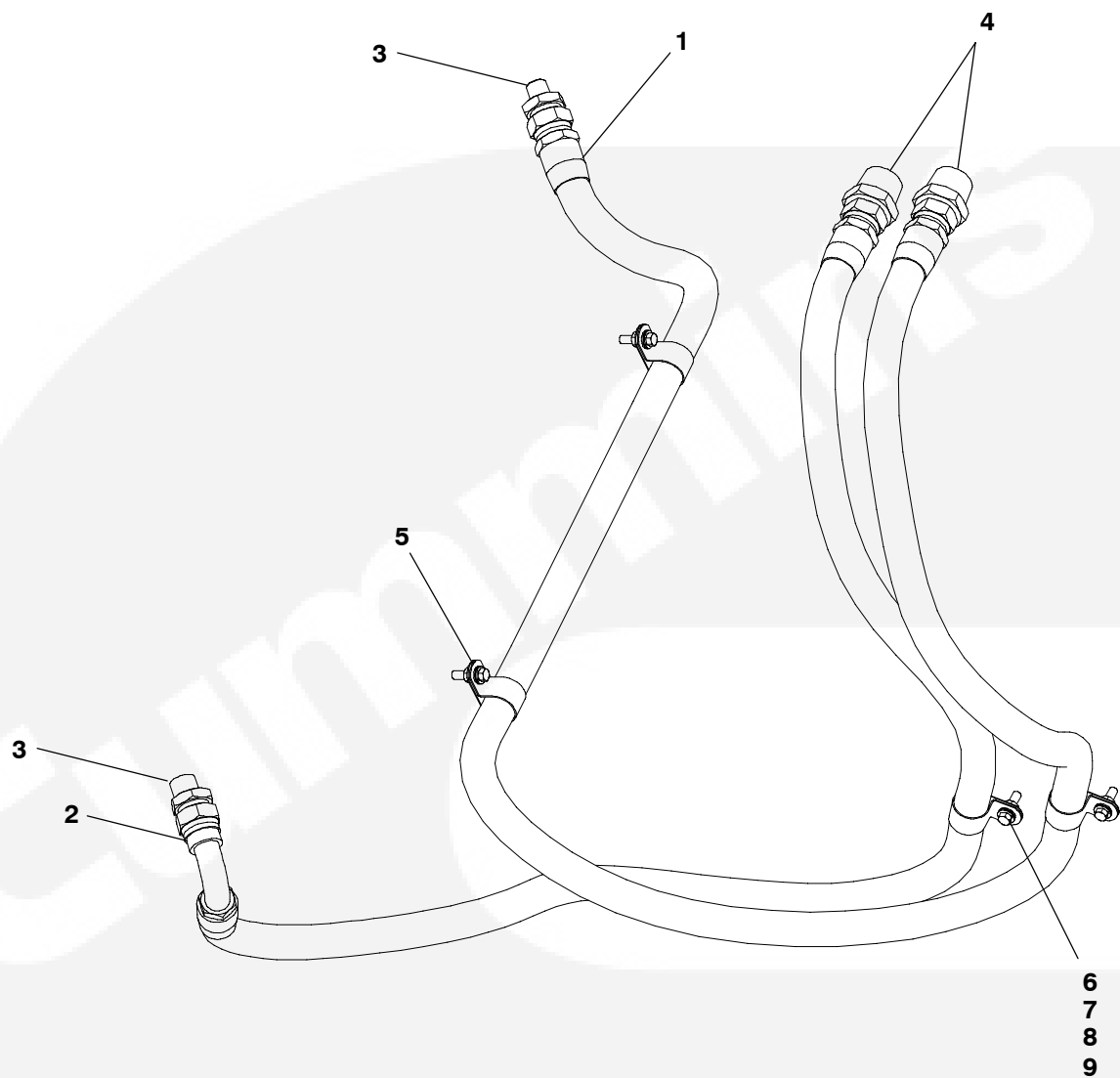
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	501-0769	1	Hose Assembly	3	502-1442	1	Adapter, Hose
2	505-2085	1	Adapter, Pipe				

Oil Fill Connections



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	501-0769	1	Hose Assembly	3	502-1442	1	Adapter, Hose
2	505-2085	1	Adapter, Pipe				

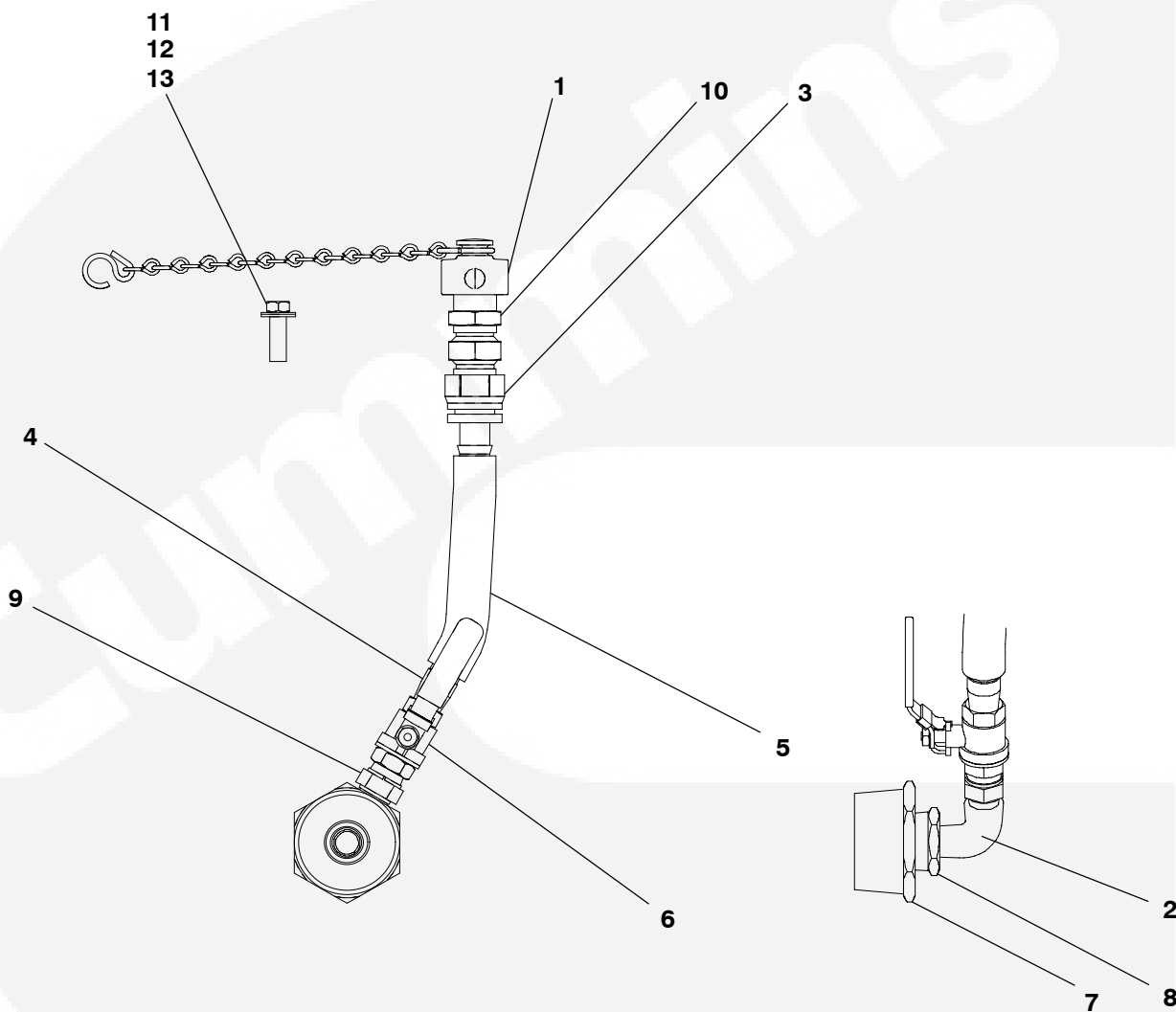
Oil Cooler Hoses



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	501-0907	1	Hose Assembly
2	501-0908	1	Hose Assembly
3	505-2048	2	Adapter, Pipe (1/2" x 1")
4	505-2145-02	2	Adapter, Pipe (1-1/4" x 1")
5	518-0548-58	4	Clamp, Hose

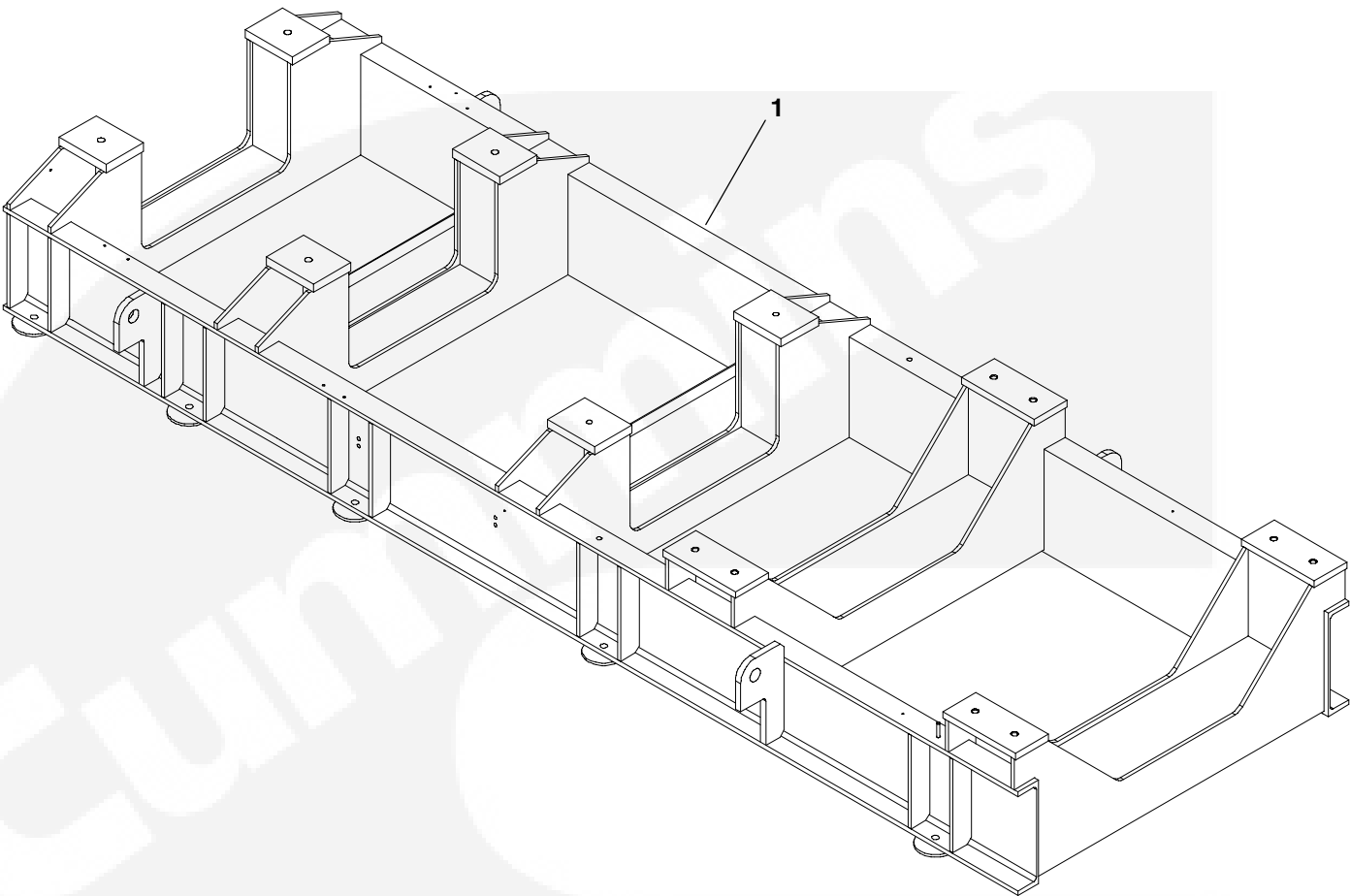
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
6	526-0399-60	4	Washer, Flat (M8)
7	800-3017-21	4	Screw, Hex Head (M8 x 30)
8	850-0114-54	4	Washer, Lock (M8)
9	862-0026-55	4	Nut, Hex (M8)

Oil Drain GQPB



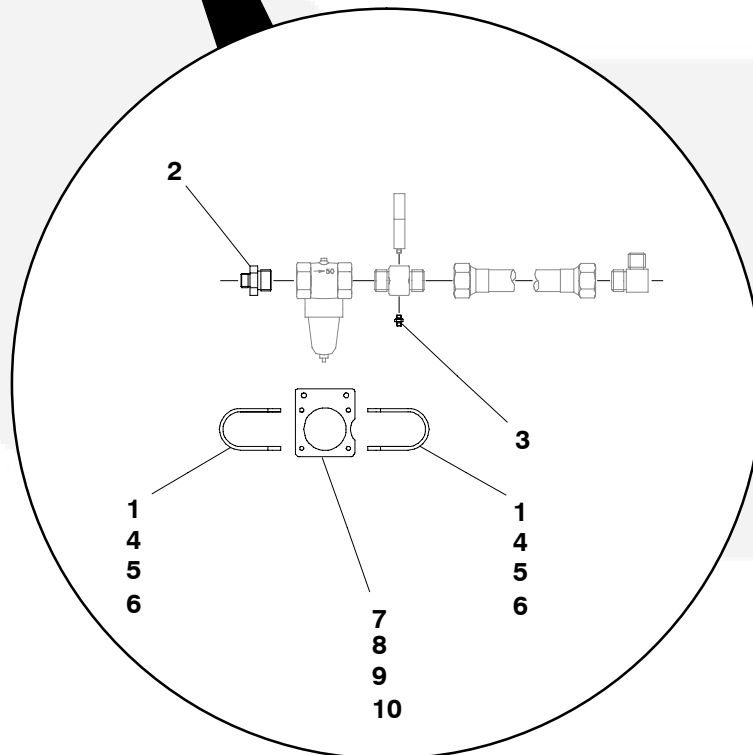
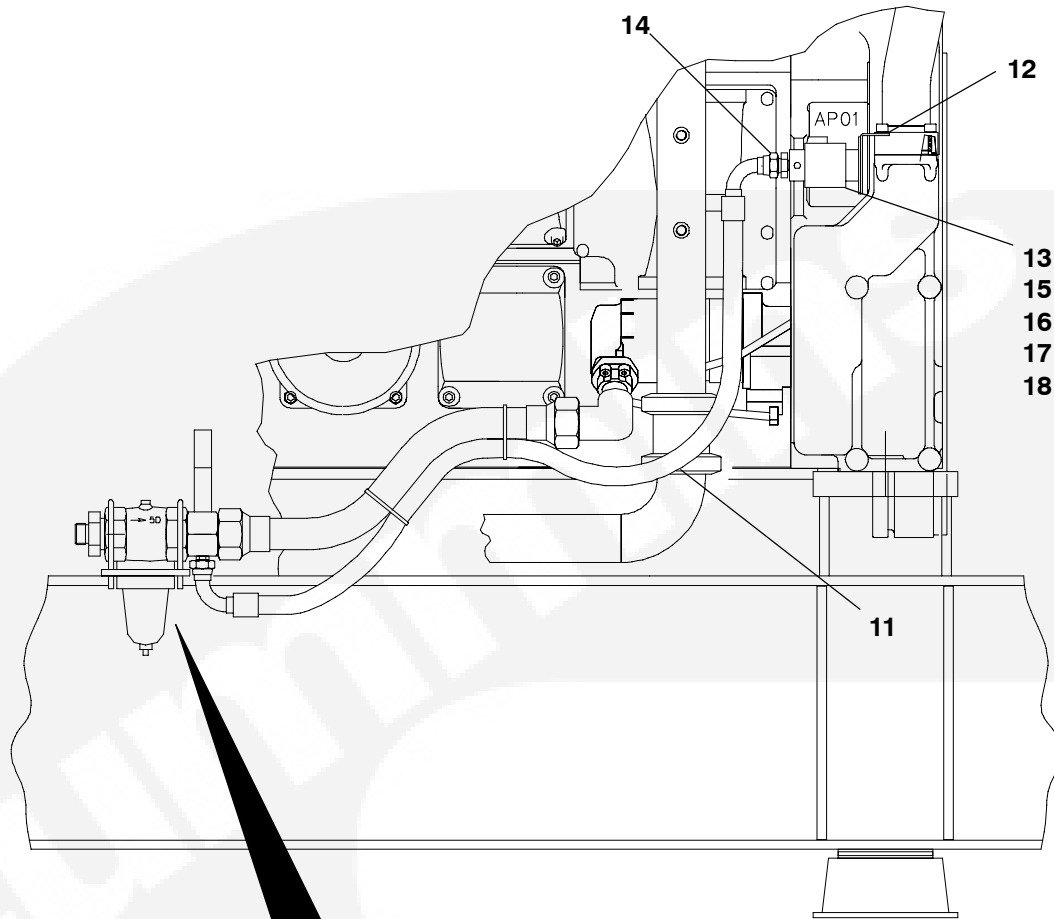
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	123-2277	1	Cap, Oil Fill – With Chain	8	505-2140	1	Bushing, Reducer (1" – 1/2")
2	502-1369	1	Elbow – 90° (1/2")	9	505-2180	1	Nipple, Pipe (1/2")
3	502-1458	1	Connector, Hose (3/4")	10	505-2291	1	Adapter, Pipe (3/4")
4	502-1475	1	Adapter, Hose (1/2")	11	526-0399-62	1	Washer, Flat (M10)
5	503-2386	1	Connector, Hose (3/4")	12	800-3017-38	1	Screw, Hex Head (M10 x 30)
6	504-0247	1	Valve, Ball (1/2")	13	850-0114-55	1	Washer, Lock (M10)
7	505-2139	1	Bushing, Reducer (2" – 1")				

Skid



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Skid				
			GQMA, GQMB				
	403-4767-02	1	Frame 7				
	403-4768-02	1	Frame 8				
	403-5882-02	1	DIG130				
			GQNA, GQNB				
	403-4769-02	1	Frame 7				
	403-4770-02	1	Frame 8				
	403-5883-02	1	DIG130				
			GQPB				
	403-5027-02	1	Frame 8				

Air Starter

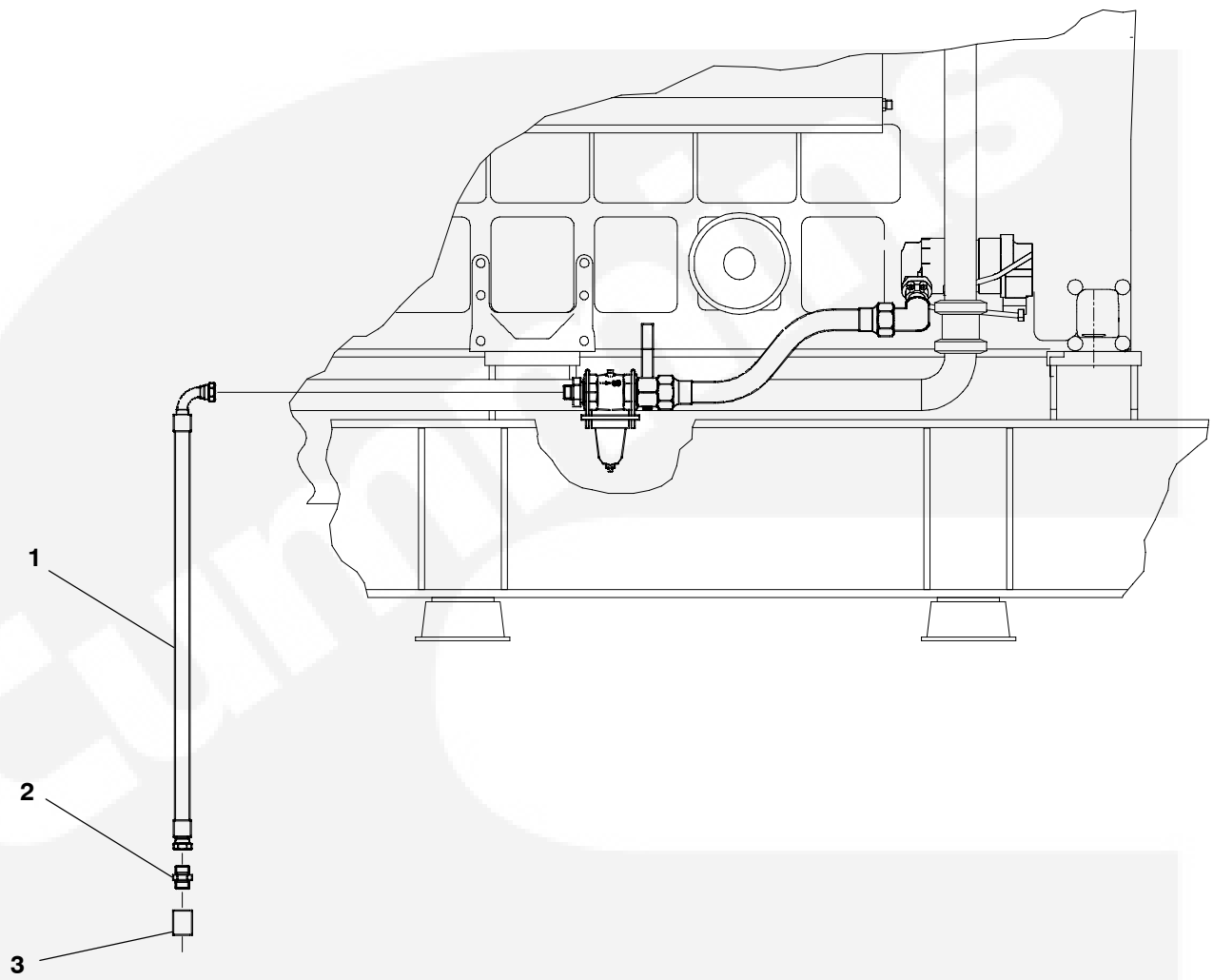


Air Starter

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	305-1004	2	Bracket, Regulator	10	305-0999-02	1	Bracket, Regulator
2	505-2041	1	Adapter, Pipe	11	501-0755	1	Hose Assembly
3	505-2076	8	Adapter, Pipe	12	333-0670-03	1	Bracket, Solenoid
4	862-0026-55	4	Nut, Hex Head (M8)	13	309-0681	1	Switch, Pressure
5	526-0399-60	4	Washer, Flat (M8)	14	505-2042	1	Adapter, Pipe
6	850-0114-54	4	Washer, Lock – Spring (M8)	15	800-0309-90	2	Screw, Hex Head (M5 x 0.8 x 20)
7	802-2507	2	Screw, Cap – Socket Head (M10 x 25)	16	862-0026-53	2	Nut, Hex (M5)
8	526-0399-62	2	Washer, Flat (M10)	17	526-0399-56	2	Washer, Flat (M5)
9	850-0114-55	2	Washer, Lock – Spring (M10)	18	850-0114-52	2	Washer, Lock – Spring (M5)

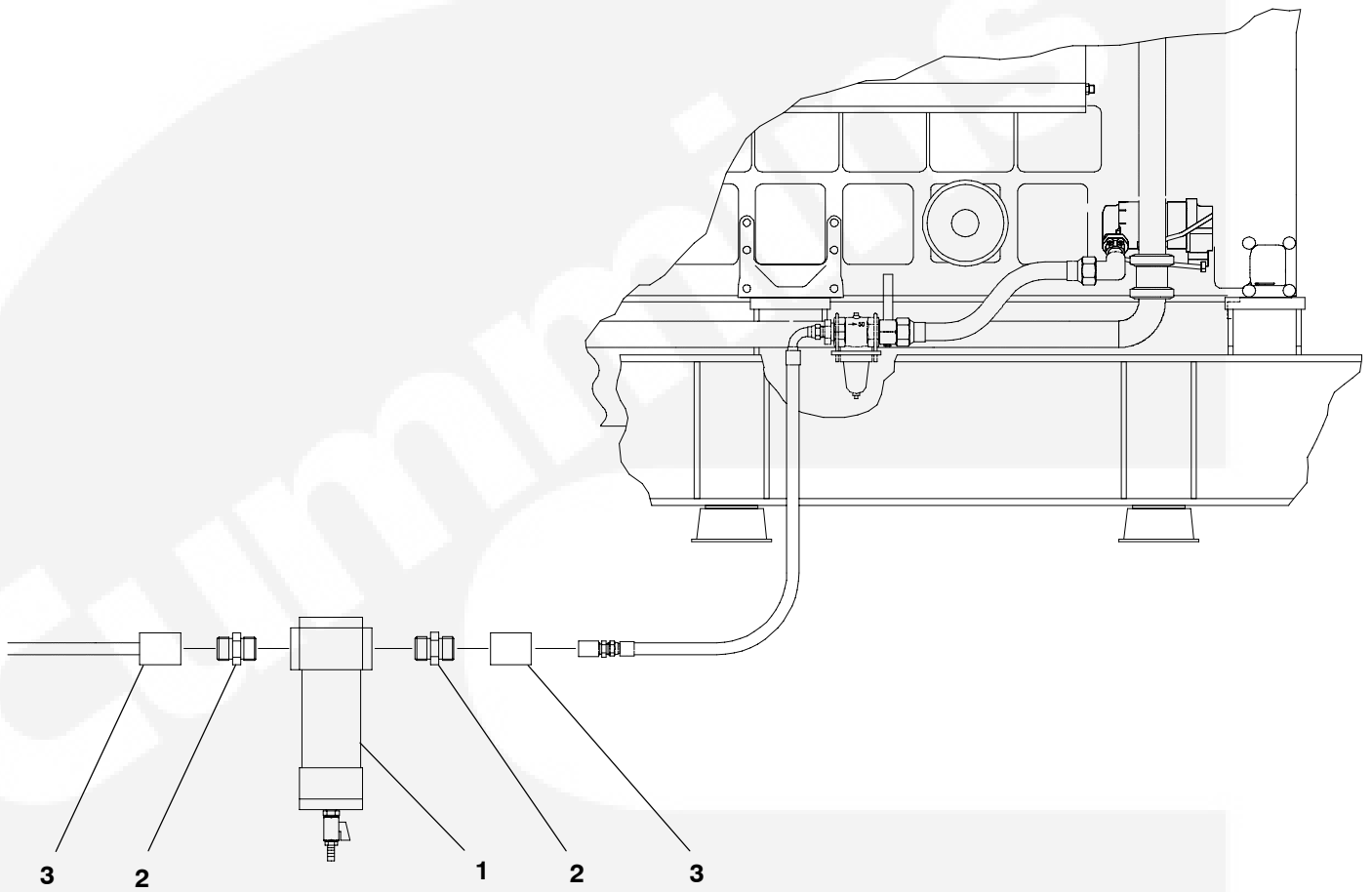


Air Starter Connections



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	501-0769	1	Hose Assembly	3	502-1442	1	Adapter, Hose
2	505-2085	1	Adapter, Pipe				

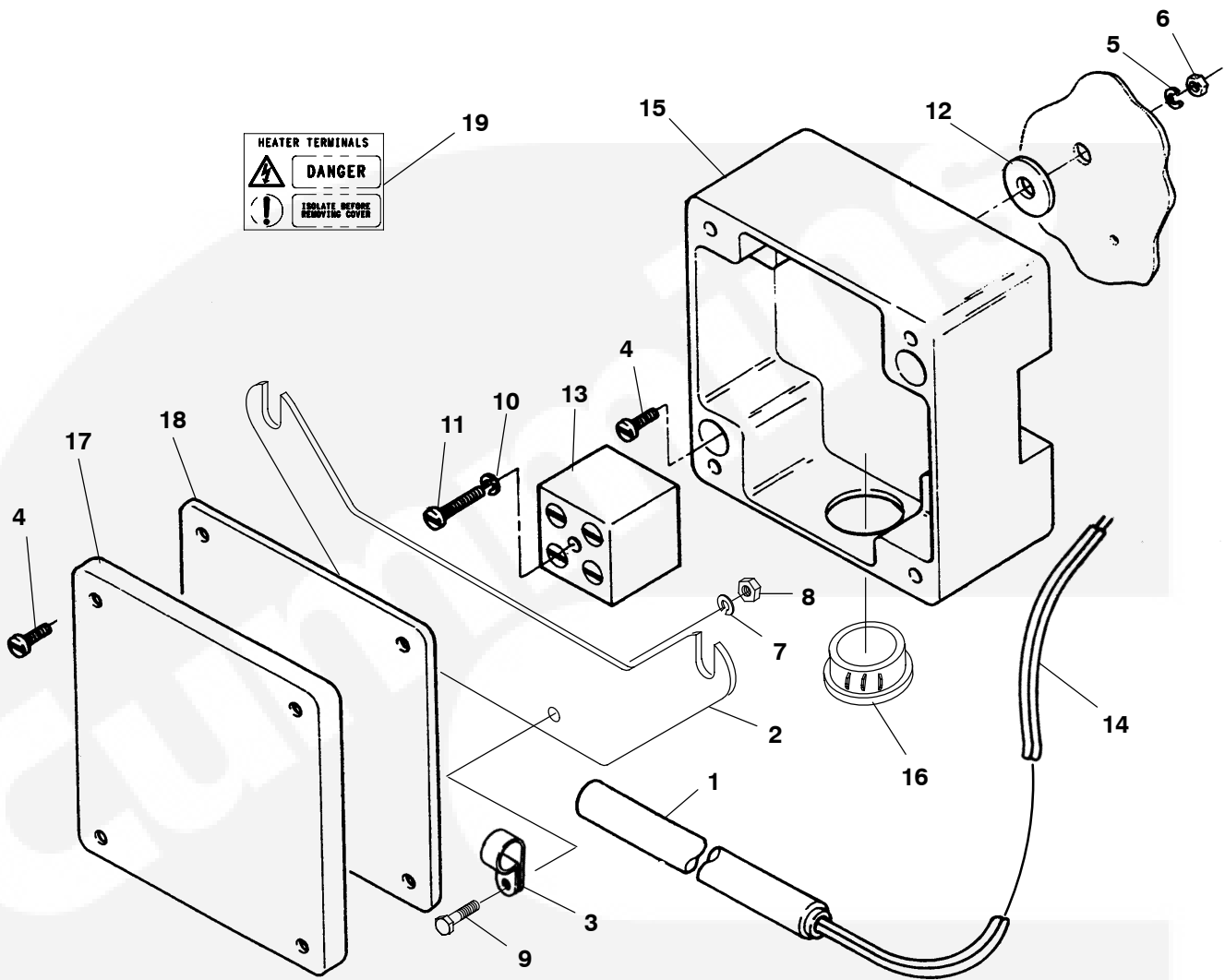
Air Start Filter



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-3454	1	Cleaner, Air Start
2	505-2085	2	Adapter, Pipe (1" x 1")

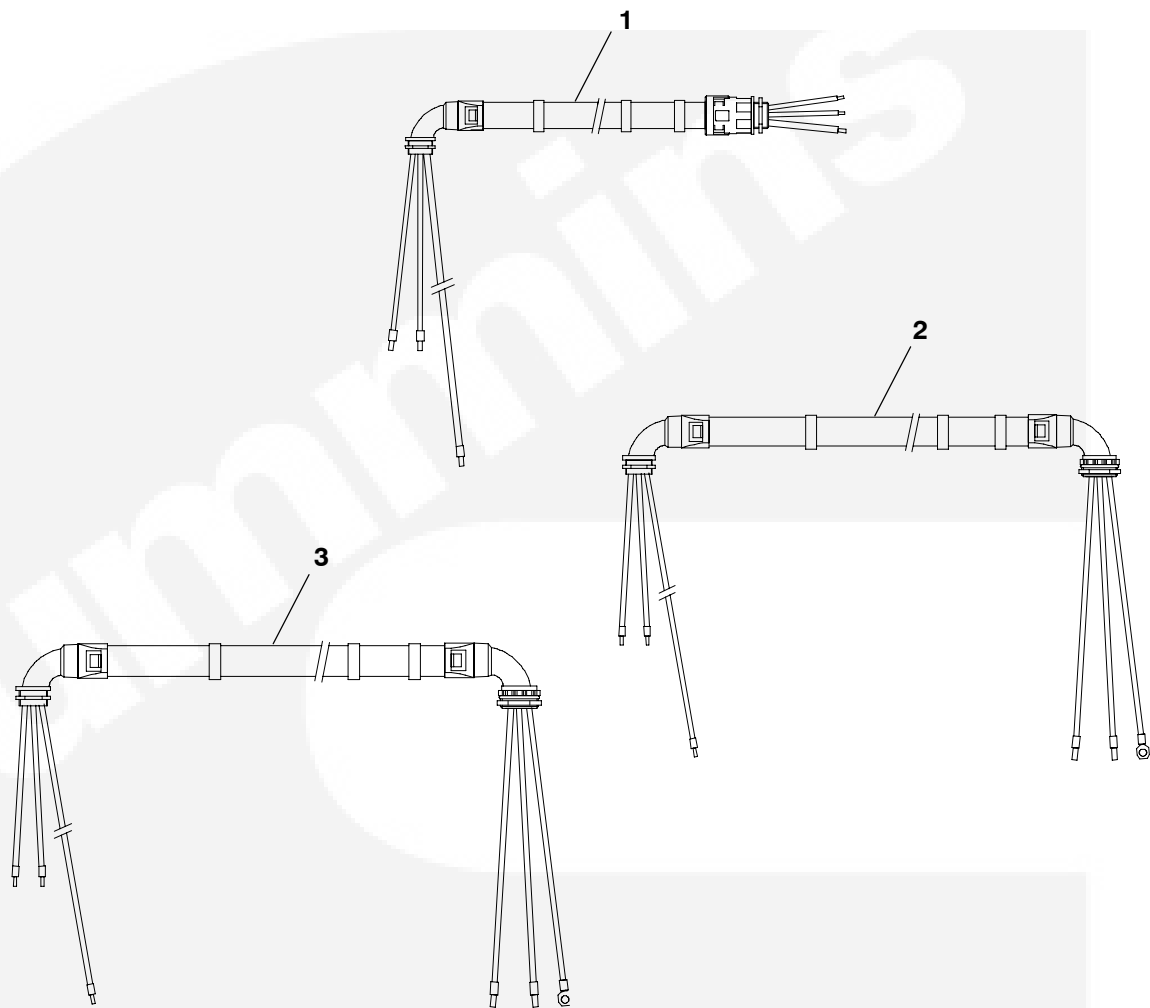
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
3	502-1442	2	Adapter, Hose (1")

Generator Heater
GQMA, GQMB, GQNA, GQNB



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Cartridge, Heater (300 Watt)	10	850-2003	1	Washer, Lock – Spring (M3)
	333-0438-05	1	110/125 Volts	11	822-3047	1	Screw, Machine – Pan Head (M3 x 20mm)
	333-0438-06	1	220/260 Volts				
2	232-3849	1	Bracket, Mounting – Heater	12	508-0228	1	Grommet
3	332-3024-14	2	Clamp, Loop	13	332-3023	1	Block, Terminal
4	822-3075	6	Screw, Machine – Slotted Pan Head (M4 x 16mm)	14	898-1254-25	1	Sleeving – Heater Leads (59")
				15	330-0142	1	Box, Terminal
5	850-2004	2	Washer, Lock – Spring (M4)	16	517-0021	1	Plug, Dot Button
6	860-2005	2	Nut, Hex (M4)	17	330-0141-03	1	Cover, Box
7	850-2005	2	Washer, Lock – Spring (M5)	18	330-0141-04	1	Gasket, Cover
8	860-2006	2	Nut, Hex (M5)	19	098-7281	1	Label, Heater Warning
9	800-2008	2	Screw, Cap – Hex Head (M5 x 16mm)				

Wiring Harness
Heater



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-4545	1	Harness, Wiring – Heater – Frame 7	3	338-4552	1	Harness, Wiring – Heater – Frame DIG130
2	338-4556	1	Harness, Wiring – Heater – Frame 8				

Generator

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

Cummins Power Generation Identification Number	Newage Designation
200-3151-05	HC734G
200-3151-07	HC734H
200-3151-08	HC734H
200-3152-05	HC734G
200-3152-07	HC734H
200-3152-08	HC734H
200-3153-05	CG734G
200-3153-07	CG734H
200-3153-08	CG734H
200-3154-05	CG734G
200-3154-07	CG734H
200-3154-08	CG734H
200-3155-05	HC736G
200-3155-15	HC736G
200-3156-05	HC736G
200-3156-15	HC736G
200-3157-05	CG736G
200-3157-15	CG736G
200-3158-05	CG736G
200-3158-15	CG736G
200-3159-01	LV824C
200-3159-02	LV824C
200-3159-03	LV824D
200-3159-11	MV824C
200-3159-13	MV824D
200-3159-15	MV824E
200-3159-21	HV824C
200-3159-23	HV824D
200-3159-25	HV824E
Continued...	

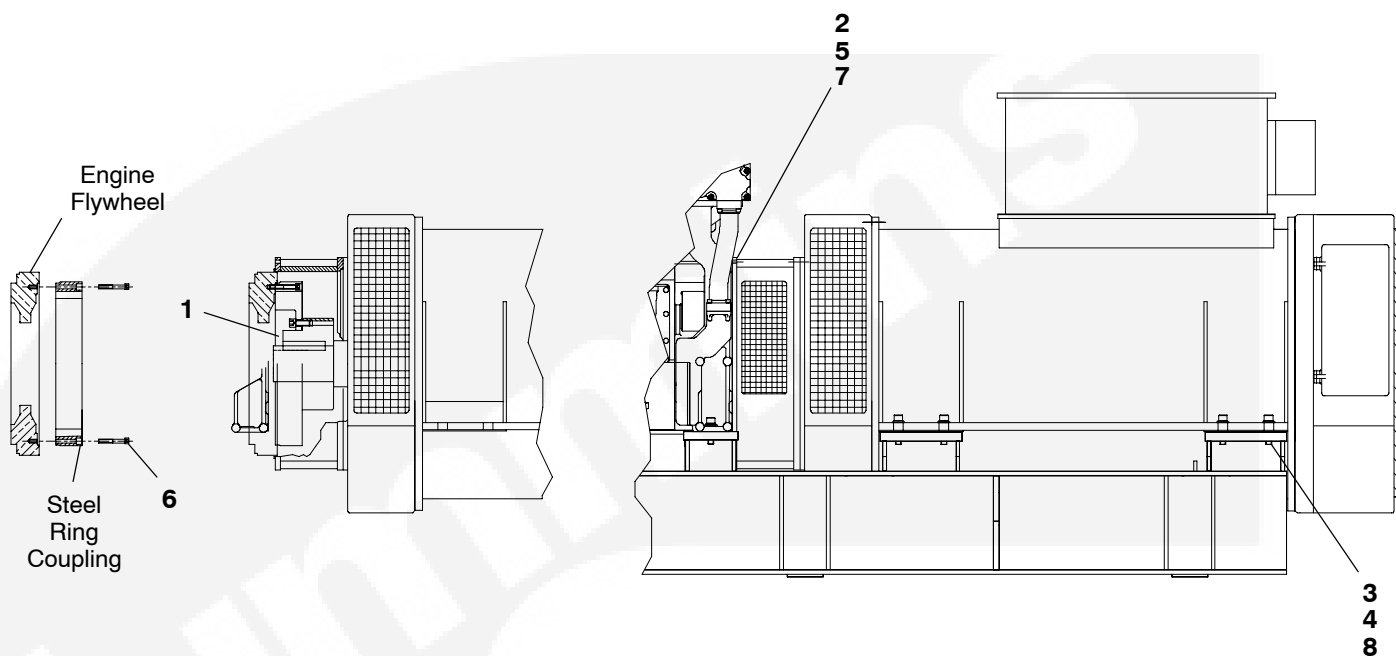
Generator

Cummins Power Generation Identification Number	Newage Designation
Continued...	
200-3159-31	HV824C
200-3159-33	HV824D
200-3159-35	HV824E
200-3160-01	LV824C
200-3160-02	LV824C
200-3160-03	LV824D
200-3160-11	MV824C
200-3160-13	MV824D
200-3160-15	MV824E
200-3160-21	HV824C
200-3160-23	HV824D
200-3160-25	HV824E
200-3160-31	HV824C
200-3160-33	HV824D
200-3160-35	HV824E
200-3161-01	LV824C
200-3161-03	LV824D
200-3161-11	LV824C
200-3161-21	MV824C
200-3161-31	HV824C
200-3161-33	HV824D
200-3161-35	HV824E
200-3162-01	LV824C
200-3162-03	LV824D
200-3162-11	LV824C
200-3162-21	MV824C
200-3162-31	HV824C
200-3162-33	HV824D
200-3162-35	HV824E
200-3163-01	DIG130g6
Continued...	

Generator

Cummins Power Generation Identification Number	Newage Designation
Continued...	
200-3163-03	DIG130h6
200-3163-05	DIG130i6
200-3163-15	DIG130i6
200-3164-01	DIG130g6
200-3164-03	DIG130h6
200-3164-05	DIG130i6
200-3164-15	DIG130i6

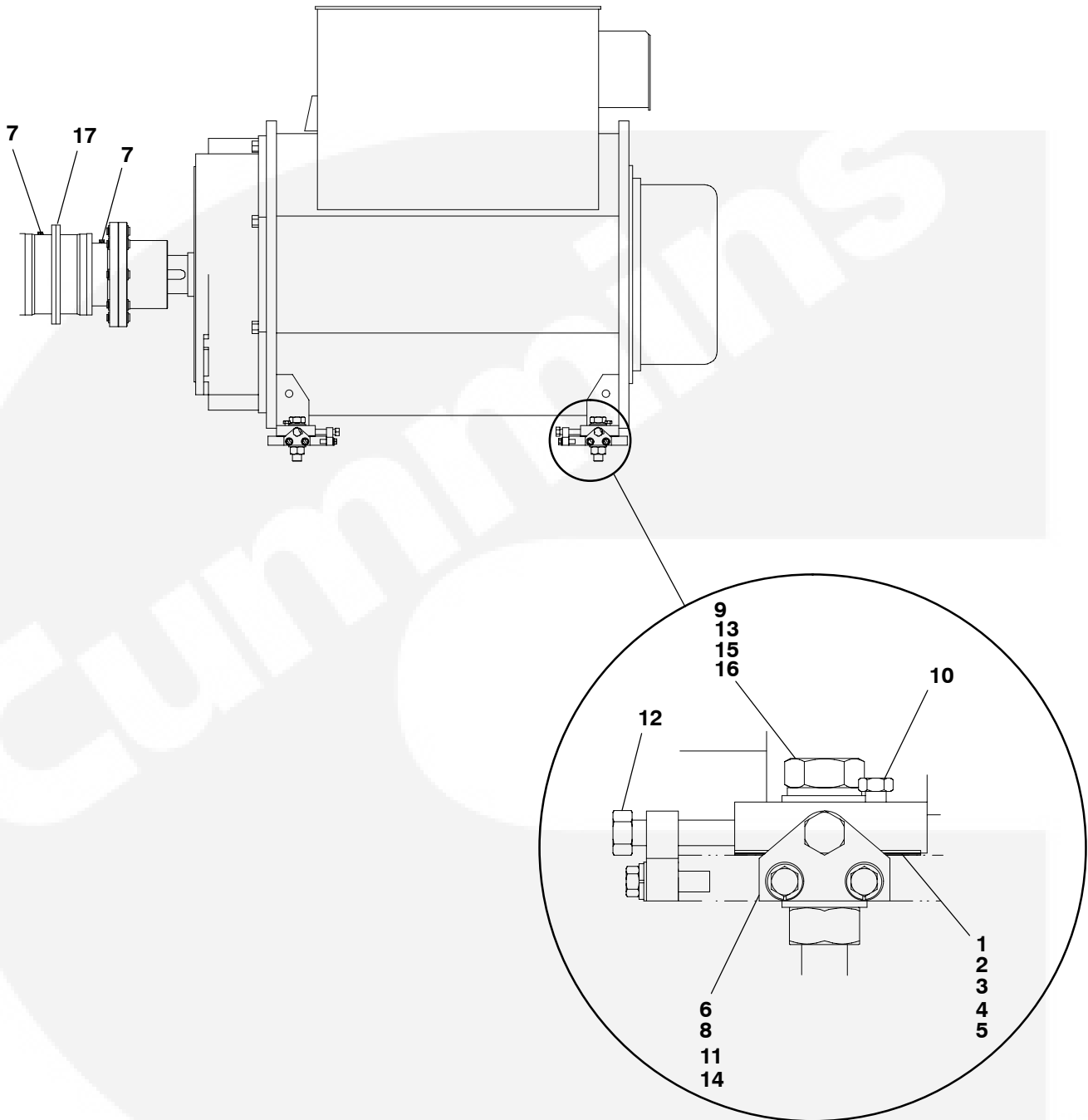
Generator Installation **GQMA, GQMB, GQNA, GQNB**



DIG130 Shown

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Coupling, Flex	5	800-3017-58	16	Screw, Hex Head (M12 x 1.75 x 50) – Grade 8.8
	512-0239	1	Frame 8, DIG130 Alternator	6	725-1167	12	Screw, Cap – Socket Head (M16 x 110) – Grade 12.9
	512-0238	1	Frame 7 Alternator	7	850-0114-56	16	Washer, Lock – Spring (M12)
2	526-0399-64	16	Washer, Flat – Steel (M12)	8	850-0114-59	4	Washer, Lock – Spring (M24)
3			Washer, Flat – Steel (M24)				Frame 7, 8 Alternator
	526-0399-72	4	Frame 7, 8 Alternator		850-0114-59	8	DIG130 Alternator
	526-0399-72	8	DIG130 Alternator				
4			Screw, Cap – Socket Head (M24 x 3 x 90) – Grade 8.8				
	718-1178	4	Frame 7, 8 Alternator				
	718-1178	8	DIG130 Alternator				

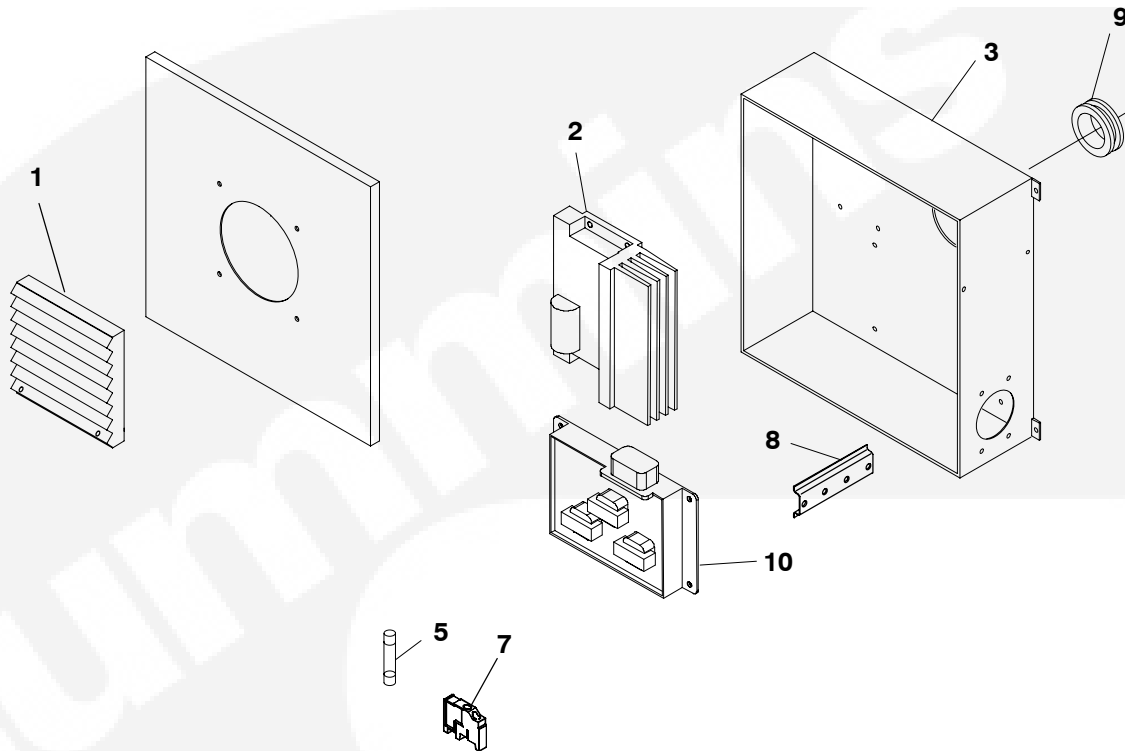
Generator Installation GQPB



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	232-4113-01 A/R		Shim, Generator
2	232-4113-02 A/R		Shim, Generator
3	232-4113-02 A/R		Shim, Generator
4	232-4113-04 A/R		Shim, Generator
5	232-4113-05 A/R		Shim, Generator
6	403-5965-02	8	Pad, Mounting
7	518-0716	2	Nipple, Grease
8	526-0399-66	16	Washer, Flat (M16)
9	526-2250	8	Washer, Lock - Spring

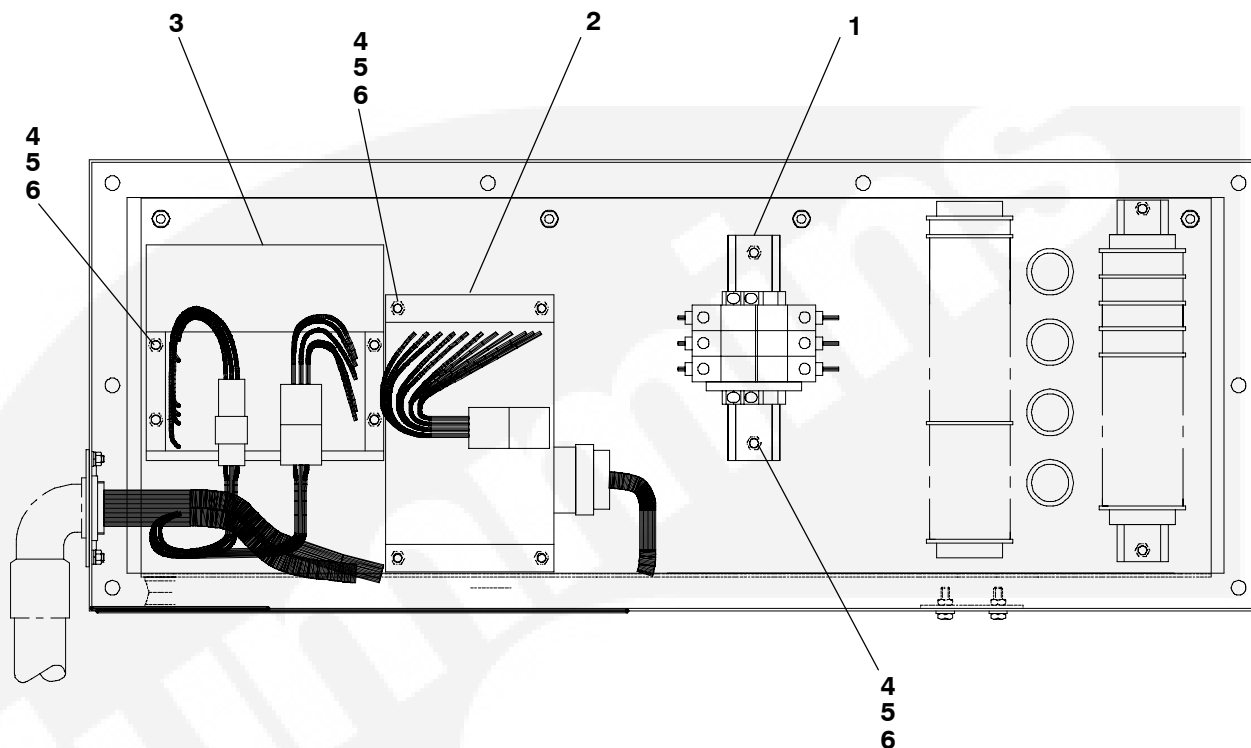
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
10	800-3017-74	4	Screw, Hex Head (M16 x 50)
11	800-3017-75	16	Screw, Hex Head (M16 x 55)
12	800-3017-95	8	Screw, Hex Head (M20 x 80)
13	800-6355	4	Screw, Hex Head (M36 x 150)
14	850-0114-57	16	Washer, Lock (M16)
15	850-2028	4	Washer, Lock - Spring
16	860-2072	4	Nut, Hex (M36 x 4)
17	516-2109	1	Shearpin, Coupling

**Control Module Box
Frame 7
GQMA, GQMB, GQNA**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-3455	1	Cleaner, Air – Filter Unit	8	332-3895	A/R	Rail, Terminal Block
2	300-4306	1	Regulator, Auto Volt	9	508-1119	1	Grommet
3	319-5649	1	Box, Terminal	10			Board, Printed Circuit – PT/CT
4	249-0855	3	Holder, Fuse (Not Illustrated)		300-4308-01	1	120 Volt
5	321-0402-01	3	Fuse (BS88, 2A)		300-4308-02	1	240 Volt
6	332-3888	1	Block, Terminal (Not Illustrated)		300-4308-03	1	346 Volt
7	332-3890	2	Block, Terminal – End Stop				

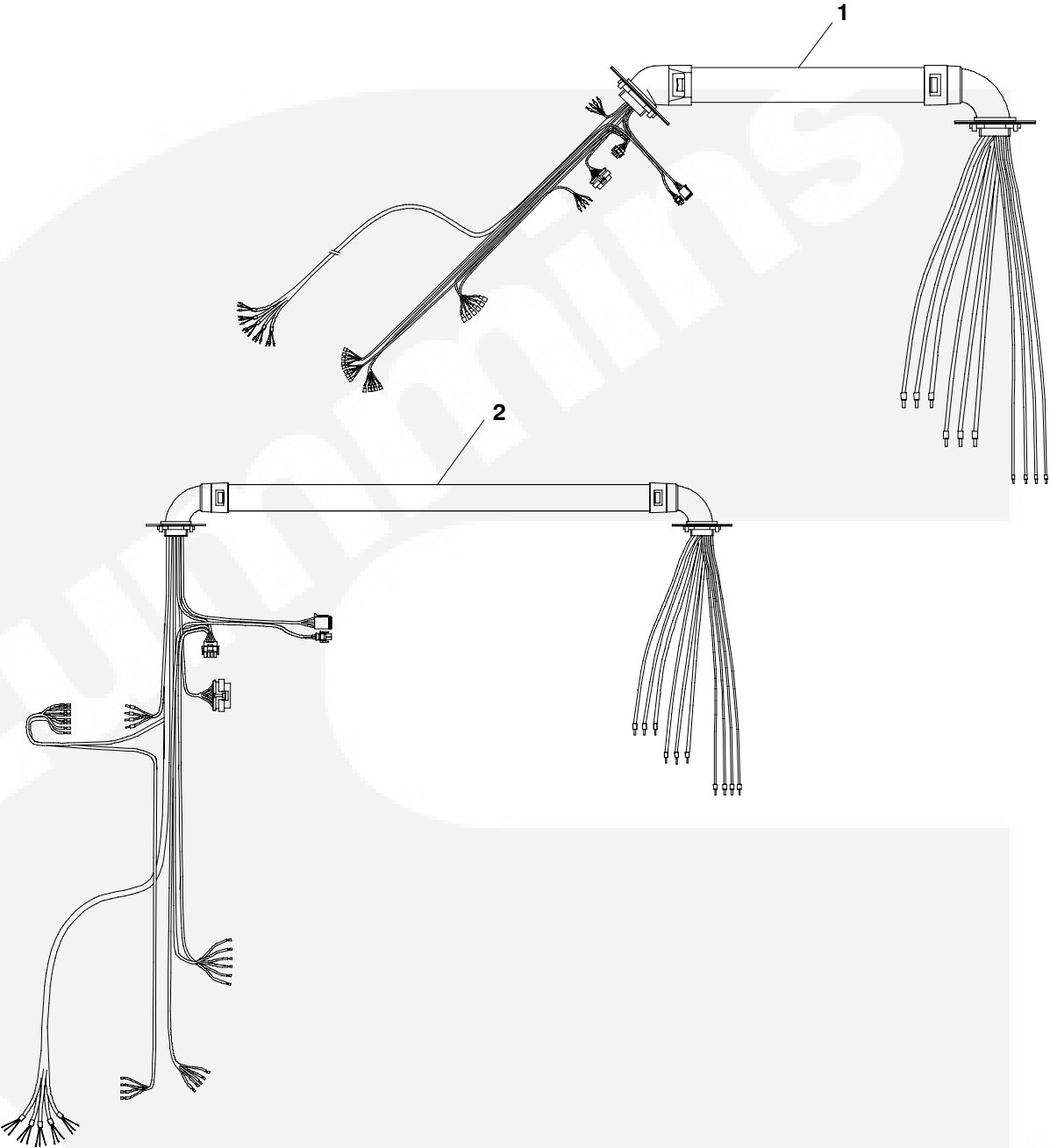
Control Module Box Frame 8 and DIG130



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-4114	1	Rail, Terminal Block (Sub Assembly – Includes the Following 5 Items)
	249-0855	3	Holder, Fuse
	321-0402-01	3	Fuse (BS88, 2A)
	332-3888	1	Block, Terminal
	332-3890	2	Block, Terminal (End Stop)
	332-3895	A/R	Rail, Terminal Block
2			Board, Printed Circuit – PT/CT
	300-4308-01	1	120V Ph/N Sensing (MV & HV Alternators)
	300-4308-02	1	240V Ph/N Sensing (380–480V Alternators)
	300-4308-03	1	346V Ph/N Sensing (600V Alternators)

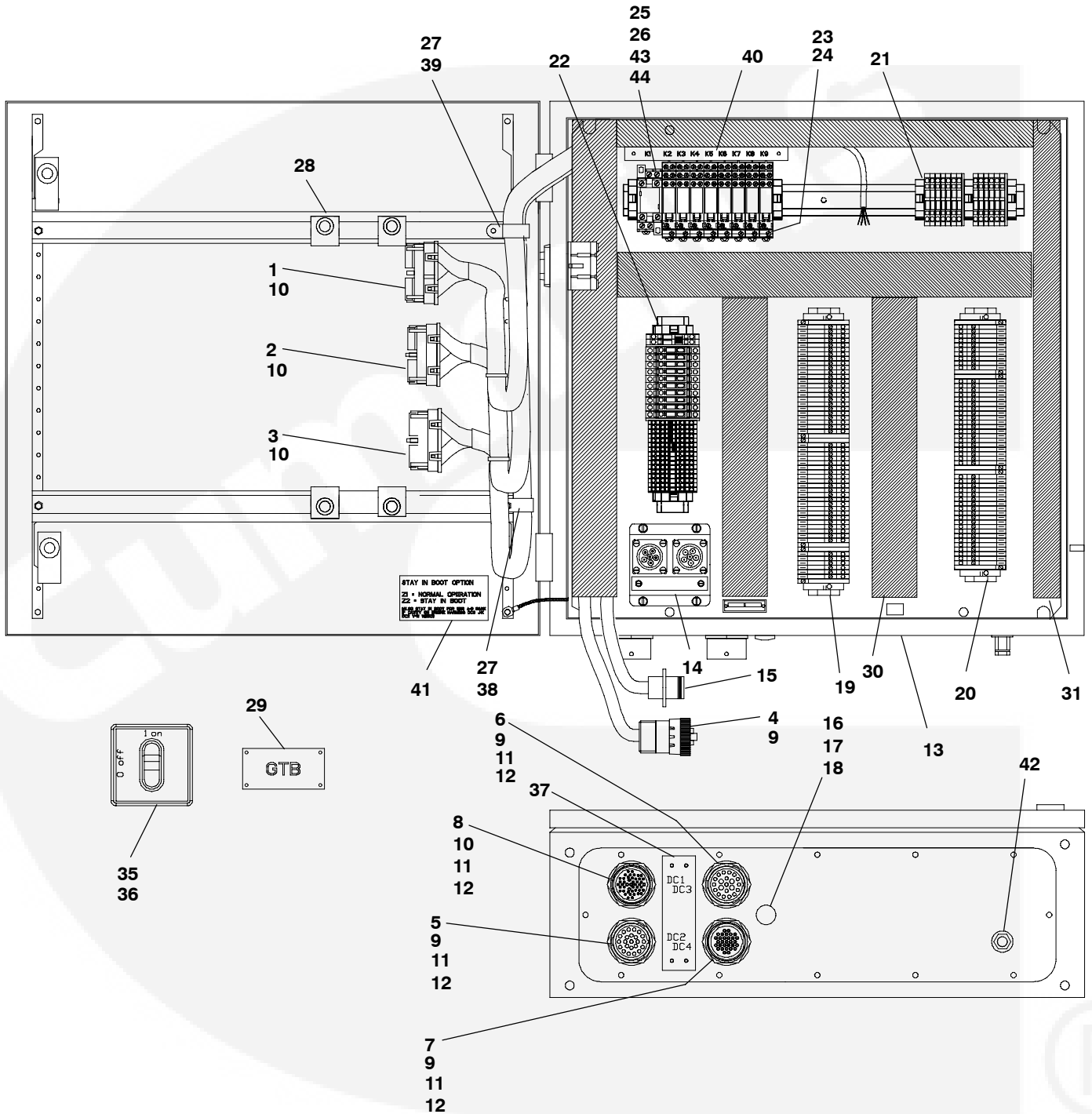
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
3	300-4306	1	Regulator – Auto Vault
4	800-0309-89	10	Screw, Hex Head (M5 x 0.8 x 16)
5	526-0399-56	10	Washer, Flat – Steel (M5)
6	850-0114-52	10	Washer, Lock – Spring (M5)

AC Wiring Harness



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-4544	1	Harness, Wiring – AC Sensing – Frame 7 (GQMA,MB,NA,NB)	2	338-4550	1	Harness, Wiring – AC Sensing Frame 8, DIG130 Without Gear Box (GQMA,MB,NA,NB)
					338-4551	1	Frame 8 With Gear Box (GQPB)

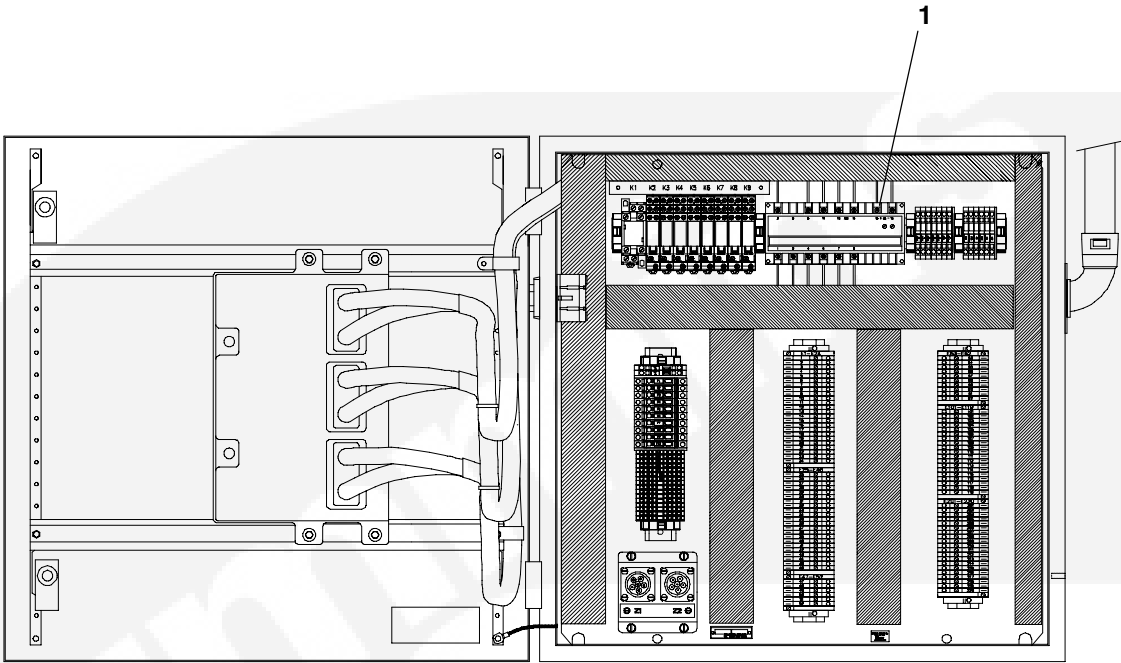
Genset Terminal Box



Genset Terminal Box

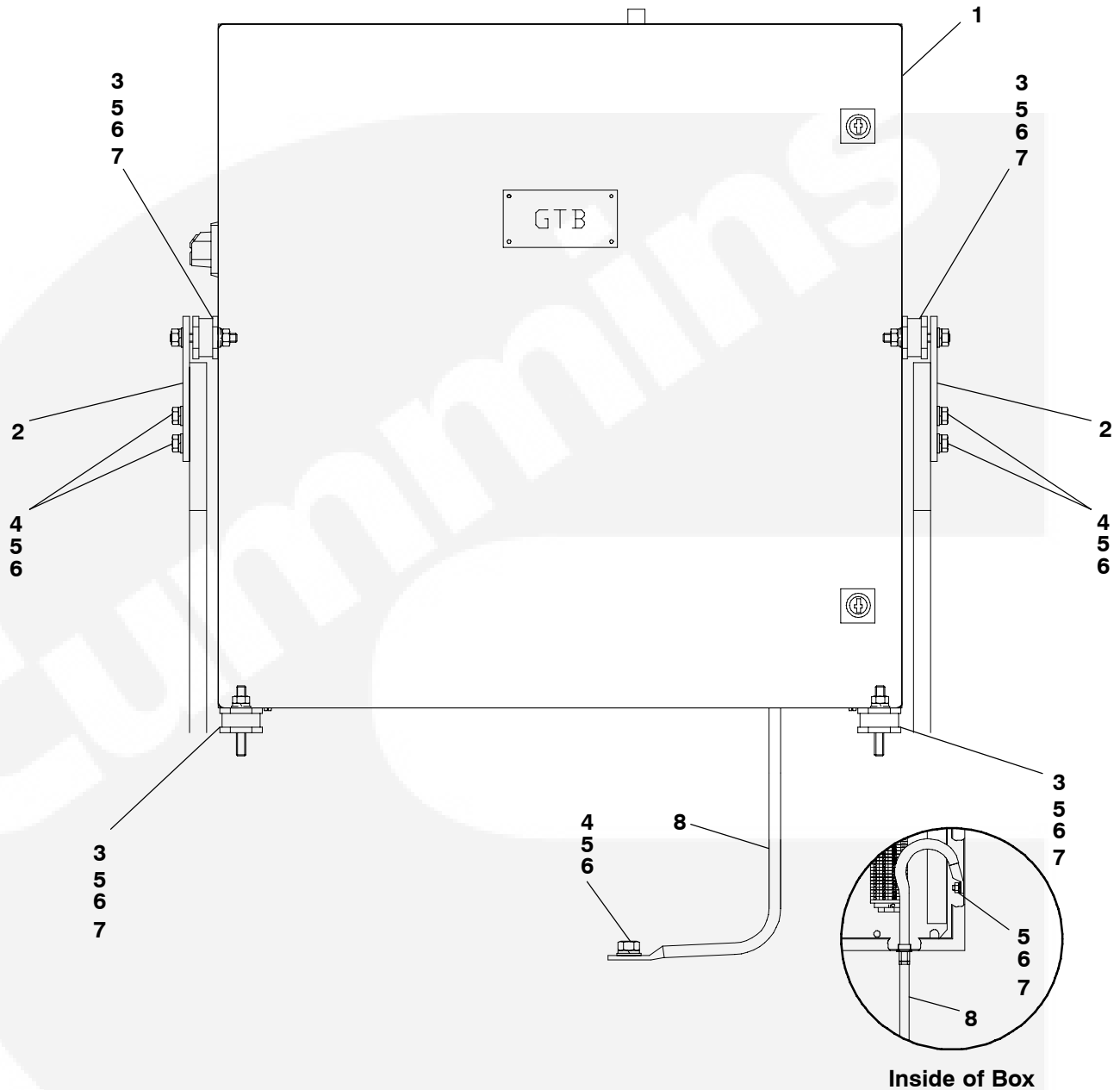
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	323-2022-01	1	Connector, Receptacle (50 Place DRC26 50S05)	21	332-4108	1	Rail, Terminal Block – Assembly (Includes the Following 5 Items)
2	323-2022-02	1	Connector, Receptacle (50 Place DRC26 50S06)		332-3895	A/R	Rail, Terminal Block
3	323-2022-03	1	Connector, Receptacle (50 Place DRC26 50S09)		332-3939-17	13	Tag, Identification
4	323-2119	1	Connector, Plug		332-4018	2	Block, Terminal – End Plate
5	323-2145	1	Connector, Receptacle (HD34-24-23PE)		332-4019	13	Block, Terminal
6	323-2123	1	Connector, Receptacle (HD34-24-21PE)	22	332-4021	5	Block, Terminal – End Stop
7	323-2124	1	Connector, Receptacle (HD34-24-31PE)		332-4107	1	Rail, Terminal Block – Assembly (Includes the Following 15 Items)
8	323-2125	1	Connector, Receptacle (HD34-24-47PE)		321-0408-04	8	Fuse – 5A
9	323-1591	25	Plug, Connector		321-0408-07	2	Fuse – 10A
10	323-2023	88	Seal, Connector		332-3895	A/R	Rail, Terminal Block
11	323-2127	4	Lock, Connector		332-3923-03	16	Block, Terminal
12	323-2126	4	Lock, Connector		332-3925-01	1	Jumper, Terminal
13	319-5633	1	Box, Terminal		332-3925-04	1	Jumper, Terminal
14	323-2150	1	Bracket, Connector – Assembly (Includes the Following 8 Items)		332-3927-03	1	Block, Terminal – End Plate
	098-8241	1	Label, Unit ID		332-3939-17	32	Tag, Identification
	319-5416-02	1	Bracket, Saddle		332-3944	10	Block, Terminal – Fuse
	323-1591	6	Plug, Connector		332-3945	1	Block, Terminal – End Plate
	323-2020	6	Contact, Pin		332-4017	12	Marker, Strip
	323-2118	2	Connector, Receptacle		332-4018	1	Block, Terminal – End Plate
	526-0399-52	10	Washer, Flat (M3)		332-4019	2	Block, Terminal
	815-1540-05	10	Screw, Slotted – Fillet Head (M3 x 10)		332-4020	1	Jumper, Terminal
	850-0114-50	10	Washer, Lock – Steel (M3)		332-4021	2	Block, Terminal – End Stop
15	323-2114	1	Connector, Receptacle	23	249-0813	8	Relay – 2P 24V 5A W/Diode
16	517-0377	1	Plug, Hole	24	249-0814	8	Relay – 2P Base
17	331-0623	1	Locknut, Conduit	25	307-3043	1	Base, Relay
18	323-2227	1	Gasket, Connector	26	307-3044	1	Relay, Control (24VDC)
19	332-4012	1	Rail, Terminal Block – Assembly (Includes the Following 9 Items)	27	306-4941	6	Bracket, Rail
	306-4723	2	Bracket, Terminal Block	28	332-4029-01	1	Rail, Terminal
	306-4724	6	Bracket, Terminal Block	29	098-8231	1	Label, Unit ID
	332-3876	1	Socket, Terminal	30	331-0613-04 A/R		Duct, Wiring (50mm x 50mm)
	332-3882	1	Socket, Terminal	31	331-0613-02 A/R		Duct, Wiring (25mm x 50mm)
	332-3883	1	Socket, Terminal	32	332-3895	A/R	Rail, Terminal Block (Not Shown)
	332-3884	52	Block, Terminal	33	350-1245	2	Resistor (120 Ohm) (Not Shown)
	332-3885	6	Block, Terminal	34	350-1259	1	Resistor (150 Ohm) (Not Shown)
	332-3895	A/R	Rail, Terminal Block	35	308-1184	1	Switch, Rotary
	532-0488	52	Tag, Identification	36	308-1185	1	Knob, Switch
20	332-4011	1	Rail, Terminal Block – Assembly (Includes the Following 7 Items)	37	098-8336	1	Label, Information
	306-4723	2	Bracket, Terminal Block	38	518-0723	1	Cup, Tube
	306-4724	6	Bracket, Terminal Block	39	518-0724	1	Cup, Tube
	332-3877	1	Socket, Terminal	40	098-8335	1	Label, Information
	332-3884	49	Block, Terminal	41	098-8240	1	Label, Instruction
	332-3885	2	Block, Terminal	42	332-4026	1	Clamp, Cable
	332-3895	A/R	Rail, Terminal Block	43	249-0819	2	Cup, Relay
	532-0488	49	Tag, Identification	44	305-1007	1	Rectifier Assembly – Diode

Transducer



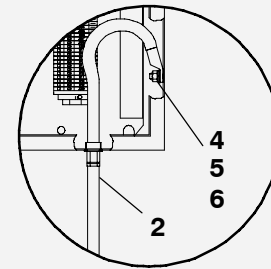
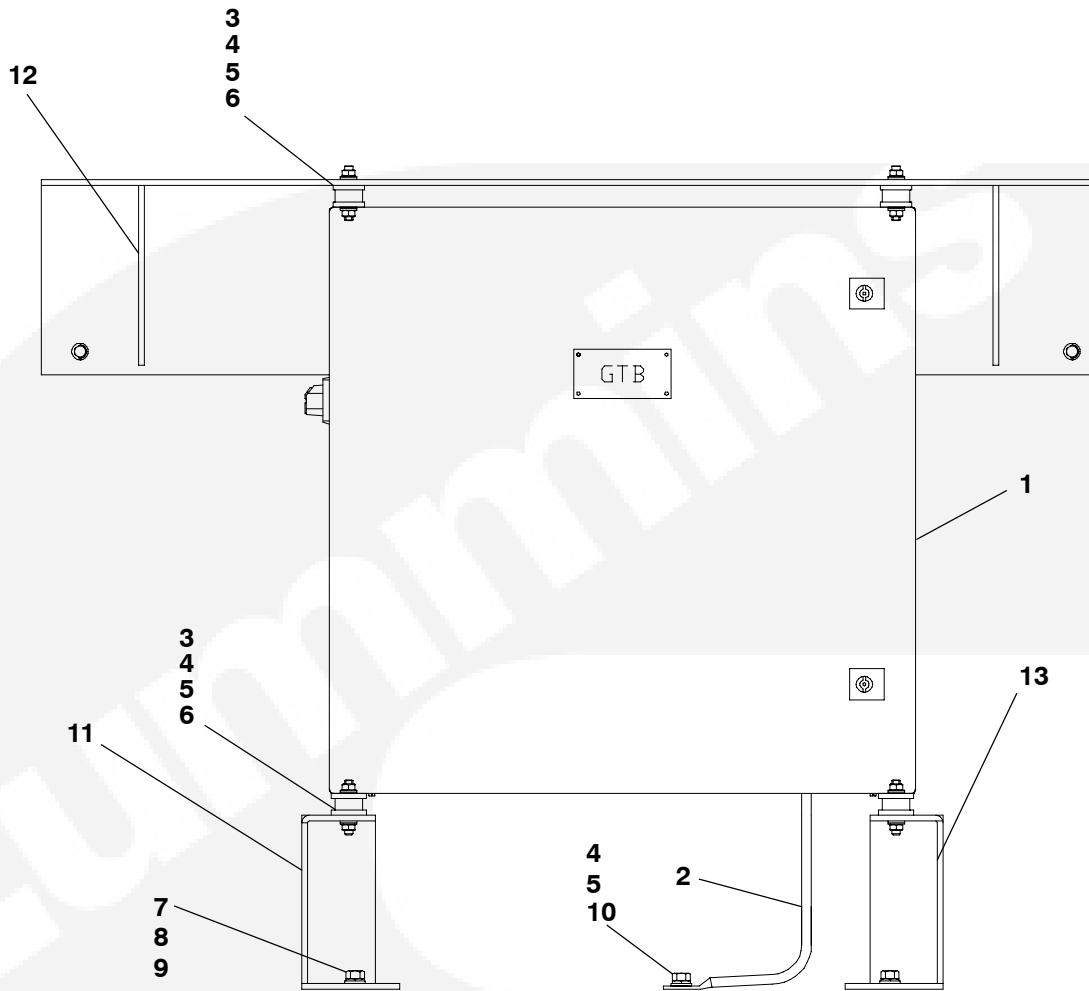
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Transducer (KW 4–20mA)				
	193-0518	1	380–440V				
	193-0520	1	480V				
	193-0522	1	600V				
	193-0524	1	220V (MV/HV)				

Genset Terminal Box Mounting **Frame 7 – GQMA, GQMB, GQNA, GQNB**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-5971	1	Box, Control	5	526-0399-59	14	Washer, Flat (M8)
2	319-4682-02	2	Bracket, Terminal Box	6	850-0114-54	13	Washer, Lock - Spring (M8)
3	403-4916	6	Pad, Mounting	7	862-0026-55	9	Nut, Hex (M8)
4	800-3017-19	5	Screw, Hex Head (M8 x 20)	8	226-4929-02	1	Lead

Genset Terminal Box Mounting **Frame 8 – GQMA, GQMB, GQNA, GQNB**

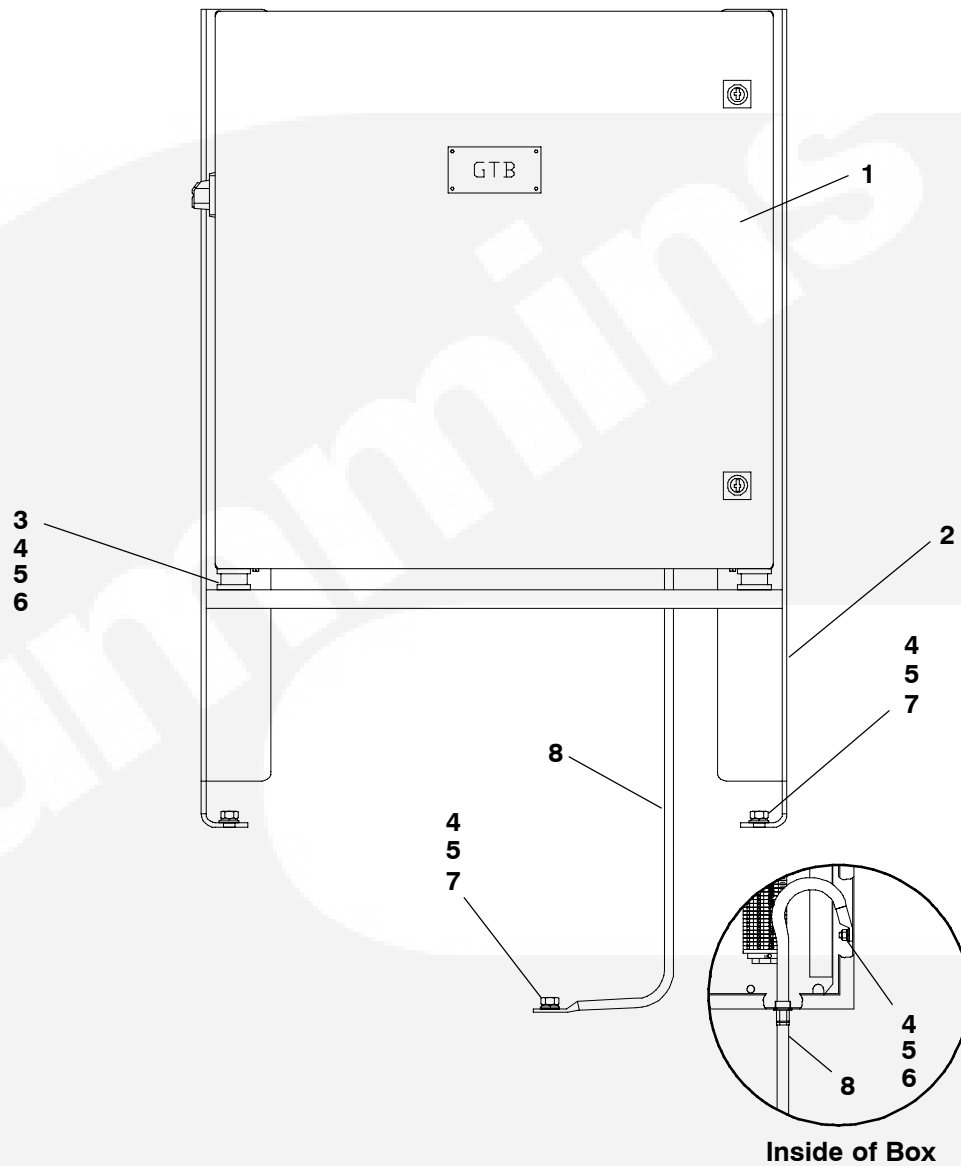


Inside of Box

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-5971	1	Box, Control
2	226-4929-02	1	Lead
3	403-4916	6	Pad, Mounting
4	526-0399-59	13	Washer, Flat (M8)
5	850-0114-54	13	Washer, Lock – Spring (M8)
6	862-0026-55	13	Nut, Hex (M8)
7	800-3017-40	4	Screw, Hex Head (M10 x 1.5 x 40)

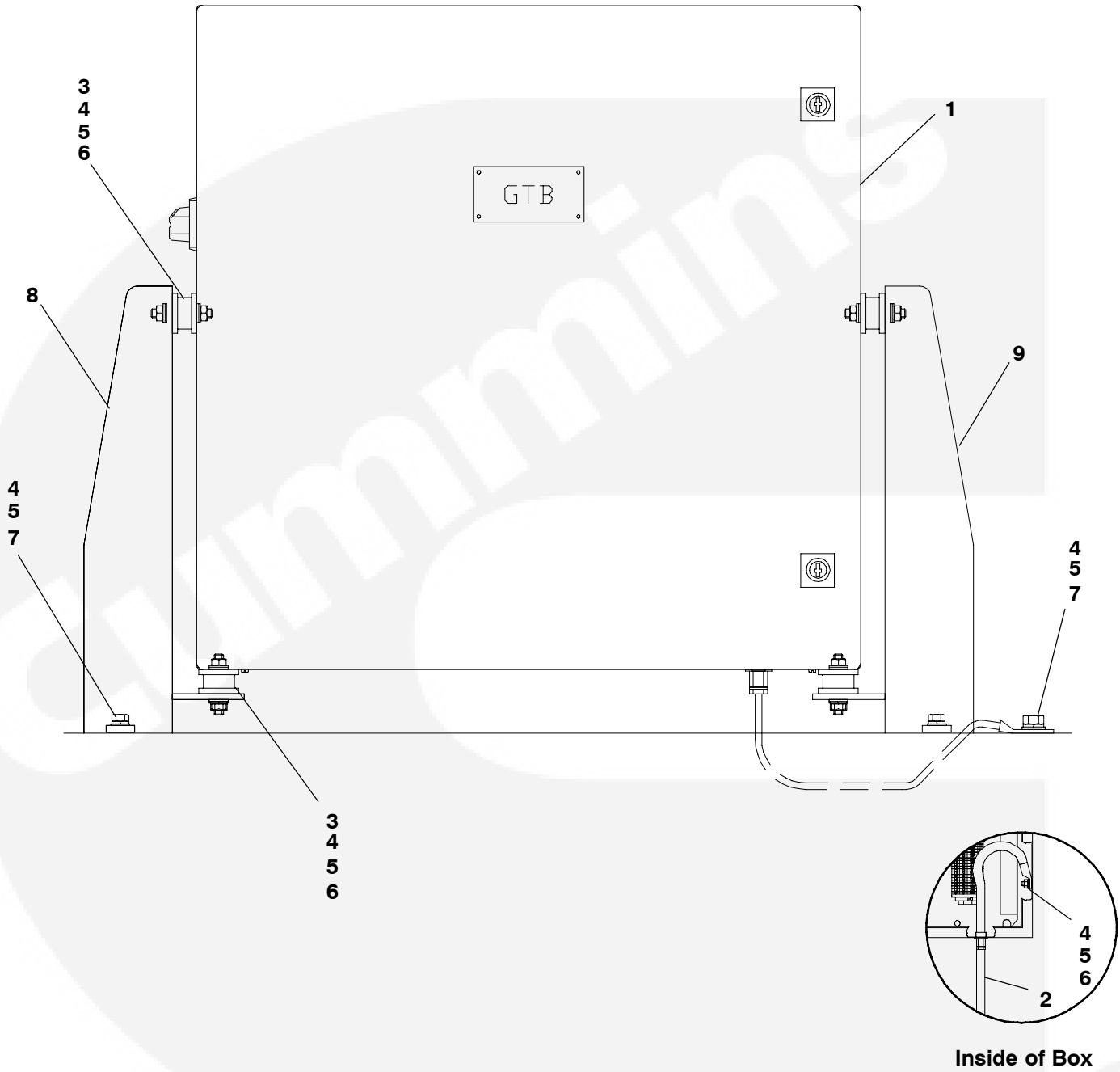
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
8	526-0399-62	4	Washer, Flat (M10)
9	850-0114-55	4	Washer, Lock – Spring (M10)
10	800-3017-22	1	Screw, Hex Head (M8 x 1.25 x 35)
11	319-4684-02	1	Bracket, Terminal Box
12	319-4683-02	1	Bracket, Terminal Box
13	319-4685-02	2	Bracket, Terminal Box

Genset Terminal Box Mounting **DIG130 – GQMA, GQMB, GQNA, GQNB**



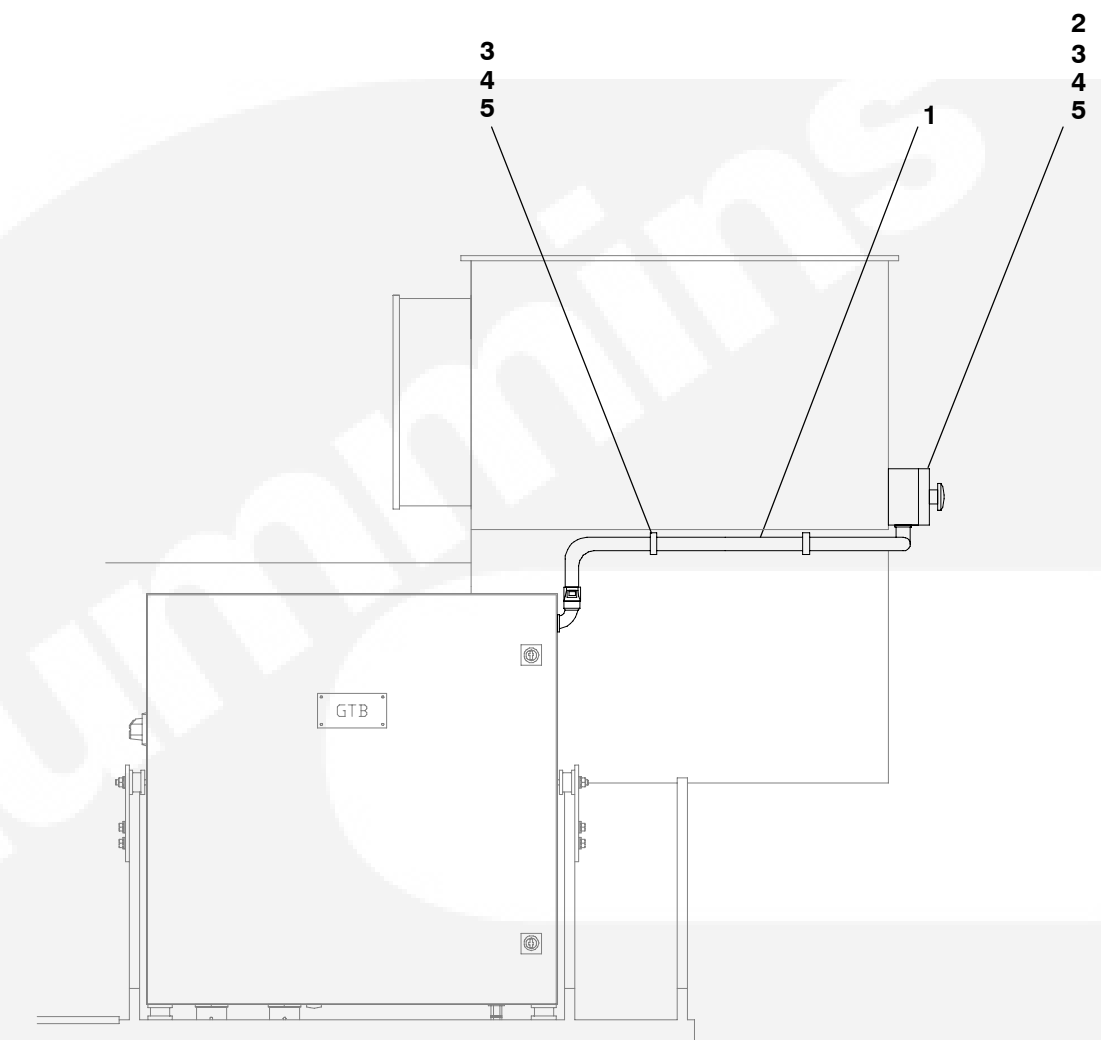
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-5971	1	Box, Control	6	862-0026-55	13	Nut, Hex (M8)
2	319-5687-02	1	Bracket, Terminal Box	7	800-3017-23	5	Screw, Hex Head (M8 x 1.25 x 40)
3	403-4916	6	Pad, Mounting	8	226-4929-02	1	Lead
4	526-0399-59	17	Washer, Flat (M8)				
5	850-0114-54	17	Washer, Lock – Spring (M8)				

Genset Terminal Box Mounting With Gear Box – GQPB



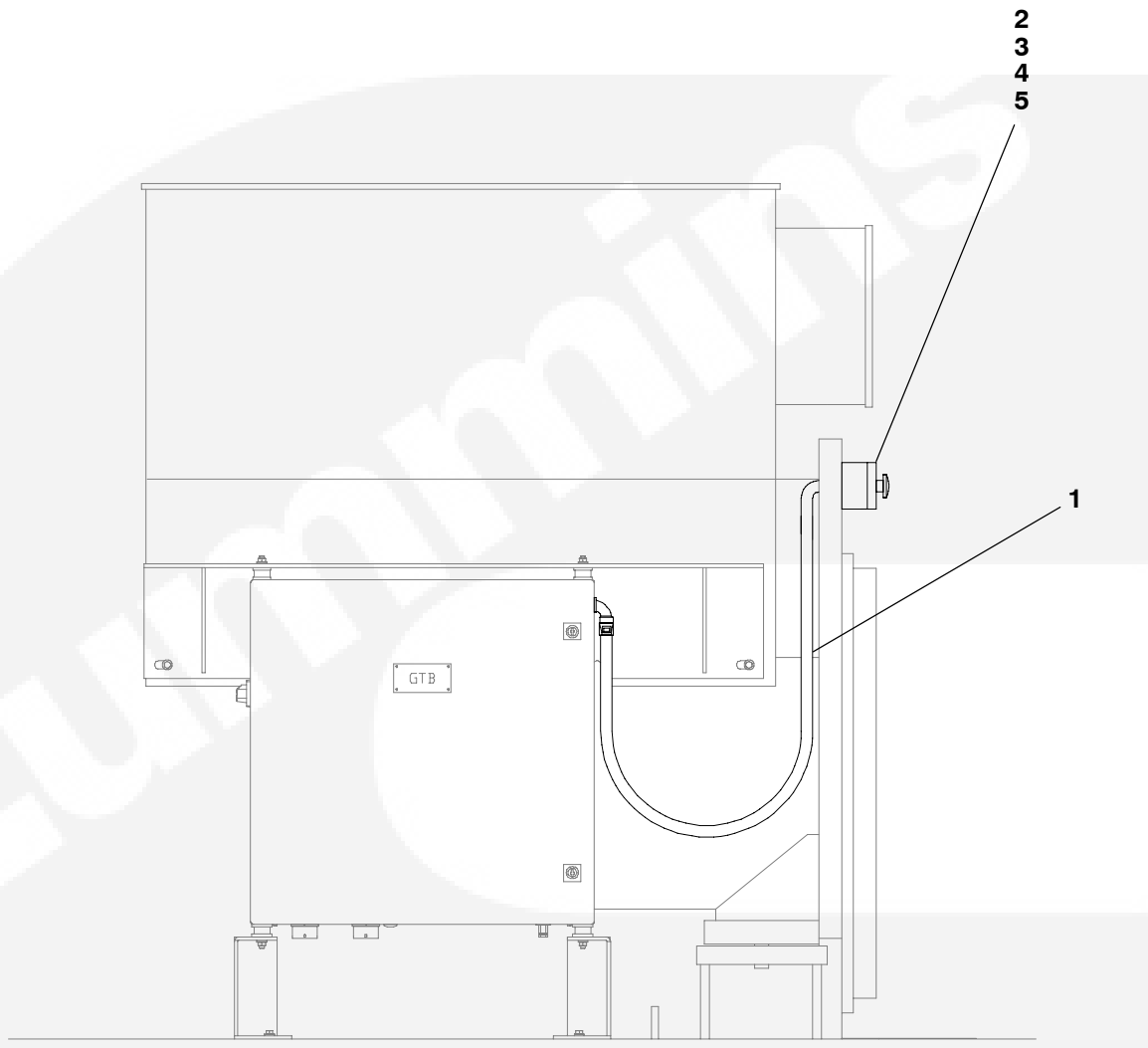
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-5971	1	Box, Control	6	862-0026-55	13	Nut, Hex (M8)
2	226-4929-02	1	Lead	7	800-3017-22	5	Screw, Hex Head (M8 x 1.25 x 35)
3	403-4916	6	Pad, Mounting	8	319-4864-02	1	Bracket – LH
4	526-0399-59	18	Washer, Flat (M8)	9	319-4863-02	1	Bracket – RH
5	850-0114-54	18	Washer, Lock – Spring (M8)				

Wiring Harness – E-Stop
Frame 7 – GQMA, GQMB, GQNA, GQNB



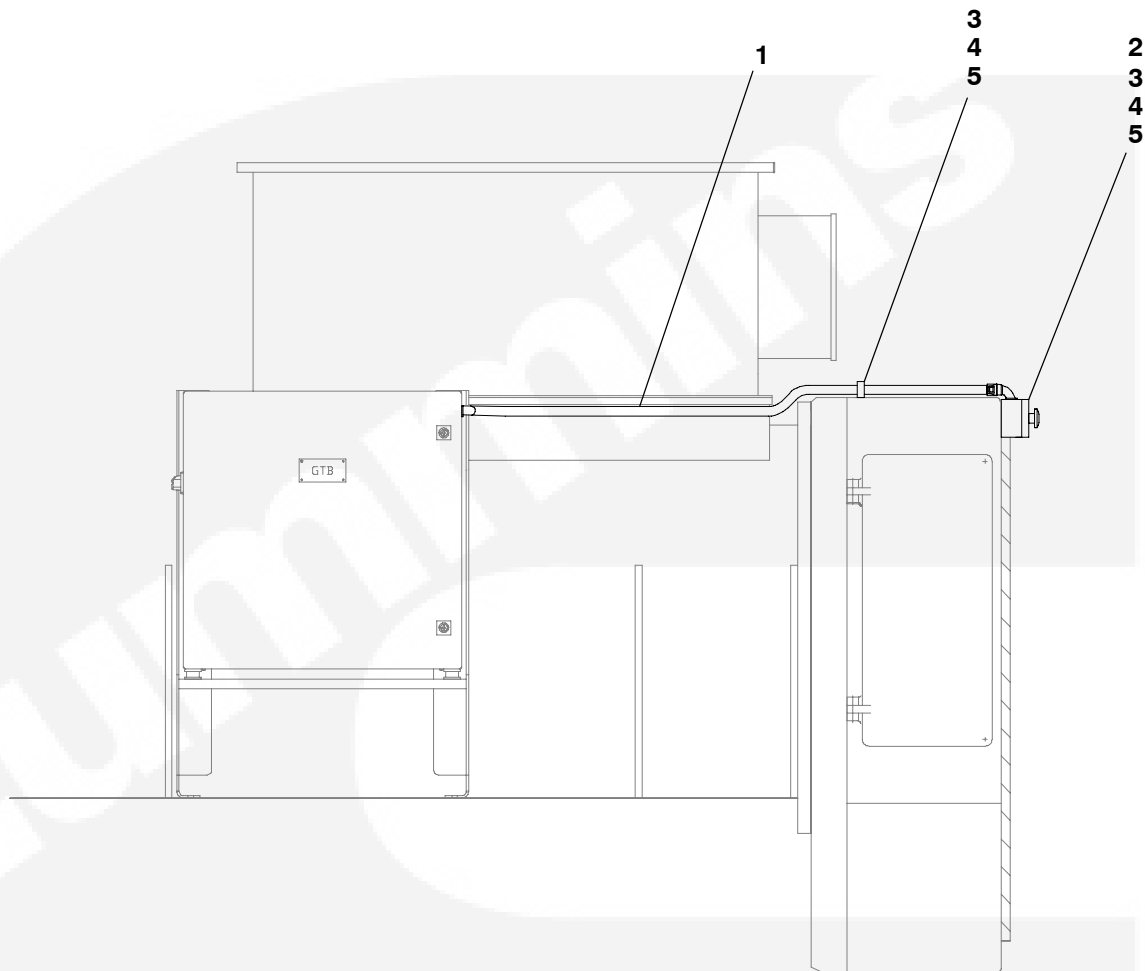
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-4543	1	Harness, Wiring – E-Stop	4	526-0399-54	8	Washer, Flat (M4)
2	308-1198	1	Pushbutton, E-Stop	5	850-0114-51	8	Washer, Lock (M4)
3	815-1540-20	8	Screw, Slotted – Cheese Head (M4 x 16)				

Wiring Harness – E-Stop
Frame 8 – GQMA, GQMB, GQNA, GQNB



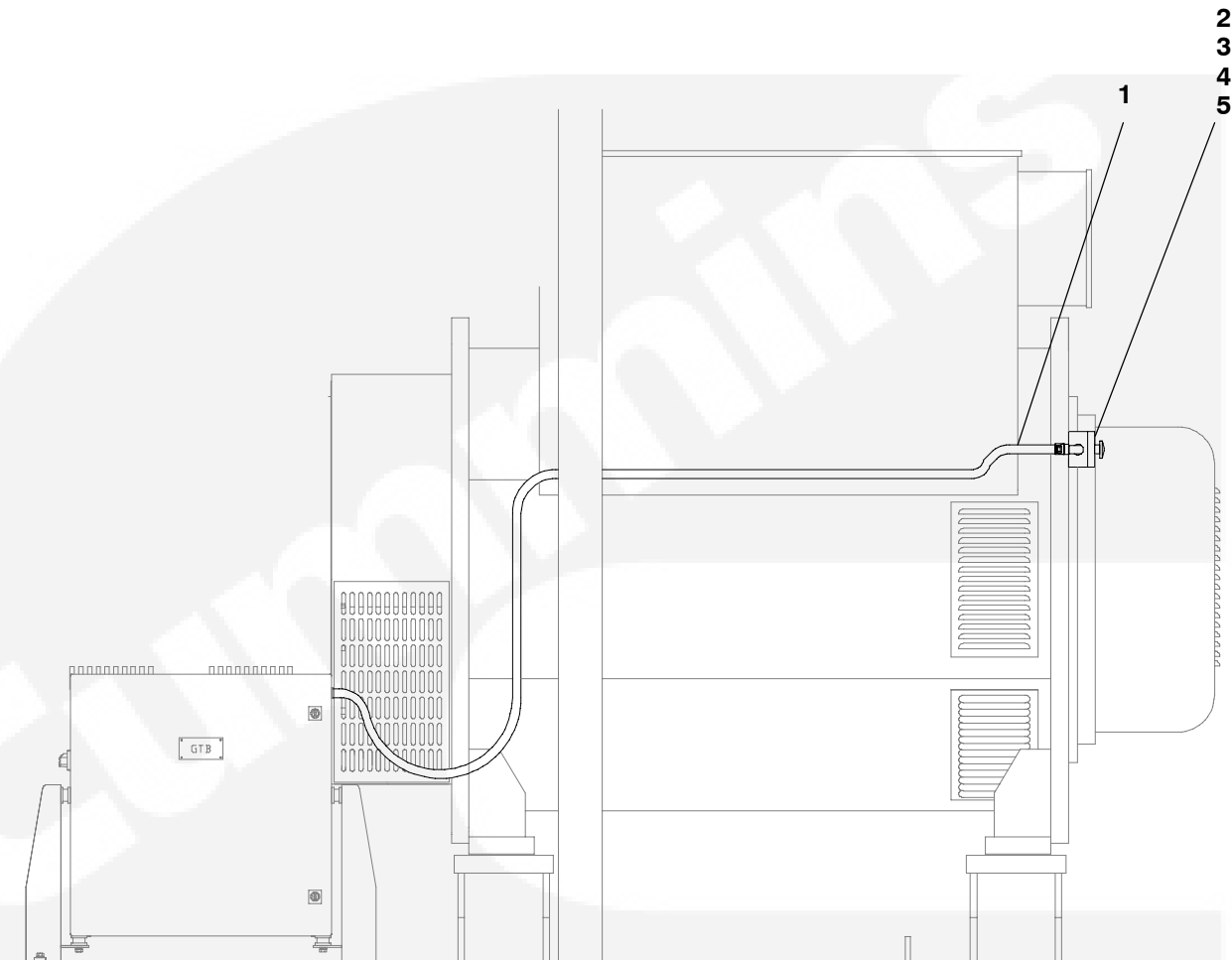
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-4555	1	Harness, Wiring – E-Stop	4	526-0399-54	4	Washer, Flat (M4)
2	308-1198	1	Pushbutton, E-Stop	5	850-0114-51	4	Washer, Lock (M4)
3	815-1540-18	4	Screw, Slotted – Cheese Head (M4 x 12)				

Wiring Harness – E-Stop
DIG130 – GQMA, GQMB, GQNA, GQNB



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-4555	1	Harness, Wiring – E-Stop	4	526-0399-54	5	Washer, Flat (M4)
2	308-1198	1	Pushbutton, E-Stop	5	850-0114-51	5	Washer, Lock (M4)
3	815-1540-18	5	Screw, Slotted – Cheese Head (M4 x 12)				

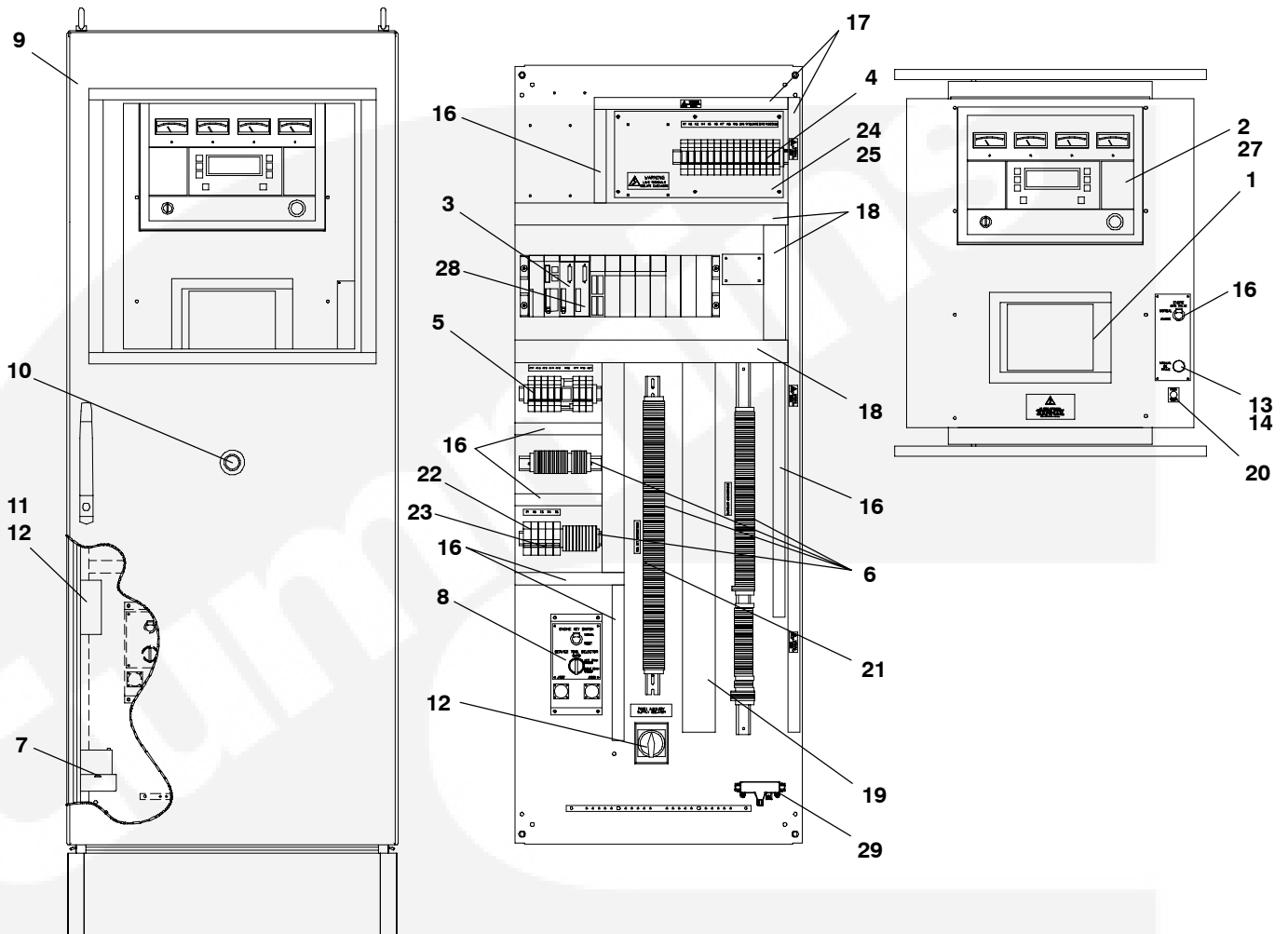
Wiring Harness – E-Stop With Gear Box GQPB



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-4553	1	Harness, Wiring – E-Stop
2	308-1198	1	Pushbutton, E-Stop
3	815-1540-18	4	Screw, Slotted – Cheese Head (M4 x 12)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	526-0399-54	4	Washer, Flat (M4)
5	850-0114-51	4	Washer, Lock (M4)

Genset Control Panel



Genset Control Panel

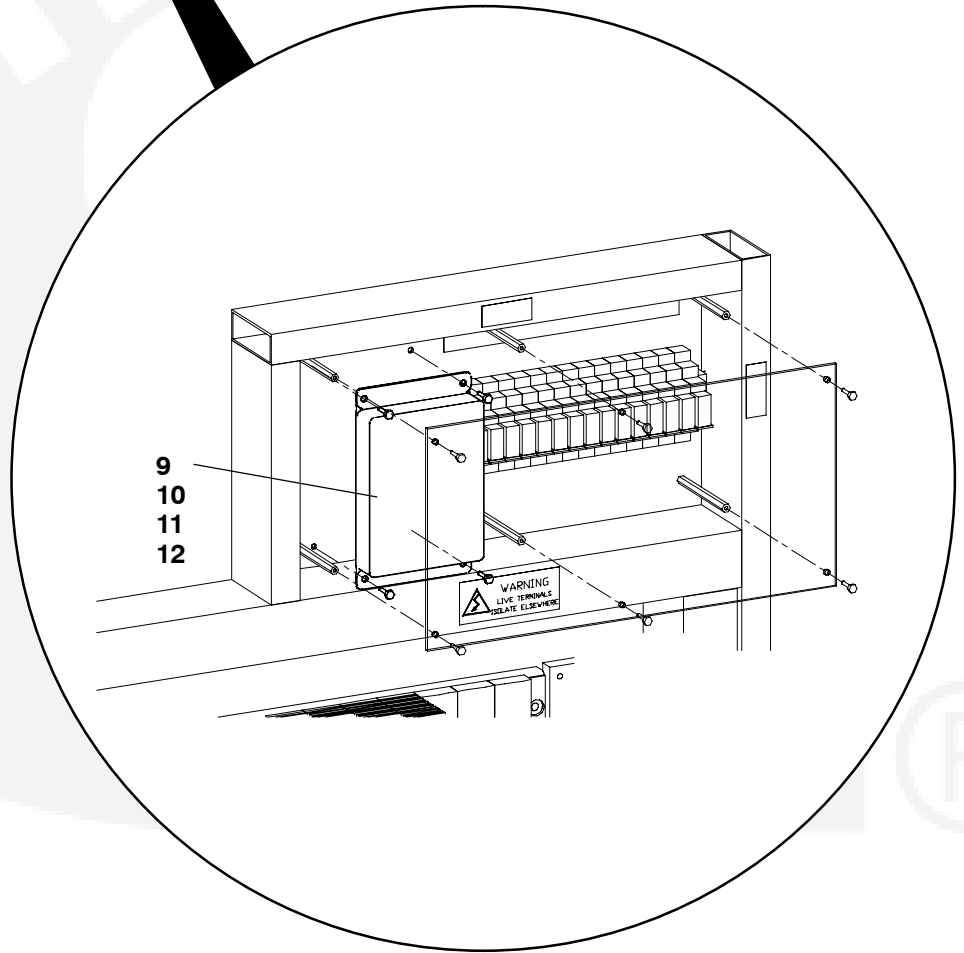
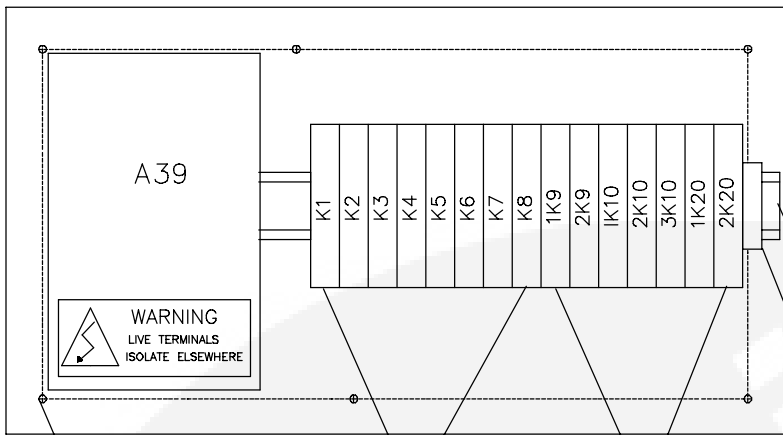
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-5720	1	* Display, Control – Touchscreen	13	300-5647	1	Switch – Auxiliary Supply Isolator
2	300-5127-02	1	Control, PowerCommand (Includes EPROM) (See 960-0205 For Components)	14	308-1135	1	Switch, Pushbutton – Operator
	326-5853	1	EPROM	15	308-1136	1	Switch, Pushbutton – Body and N/O Contact
3	300-5732	1	PLC Assembly (See Separate Page For Components)	16	308-1137	1	Switch, Toggle – 2 Position
4	307-2998	1	GCP Relay Assembly 1 (See Separate Page For Components)	17	331-0591	1	Duct, Wiring – Grey (25 x 75)
5	307-2999	1	GCP Relay Assembly 2 (See Separate Page For Components)	18	331-0592	1	Duct, Wiring – Black (25 x 75)
6	332-3935	1	GCP DIN Rail Assemblies (See Separate Page For Components)	19	331-0593	1	Duct, Wiring – Grey (50 x 75)
7	416-1138	2	Battery (12V)	20	331-0594	1	Duct, Wiring – Grey (75 x 75)
8	560-2110	1	Selector Switch, Service Tool (See Separate Page For Components)	21	332-3886	1	Block, Terminal – Electrostatic Bonding Terminal
9	319-4993	1	Frame, Cabinet (See Separate Page For Components)	22	350-1245	1	Resistor – 120Ω
10	098-8025	1	Label, Information – E-Stop (See 960-0205)	23	249-0805	2	Breaker, Circuit – Miniature, 10A, 1 Pole
11	249-0833	1	Bracket, Wall Mounting – 24VDC, 10A Power Supply	24	249-0806	3	Breaker, Circuit – Miniature, 4A, 1 Pole
12			Supply, Power – 24VDC, 10A	25	319-4763	1	Cover, Box – Relays
	249-0831	1	198-264VAC	26	319-4764	6	Pillar, Brass
	249-0832	1	90-132VAC	27	300-5734	1	IC, Prom
				28	300-5737	1	DMC Interface Option
				29	326-0174	1	Tap, Cable

* – Must Be Programmed Prior To Installation.

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GCP Relay Assembly 1

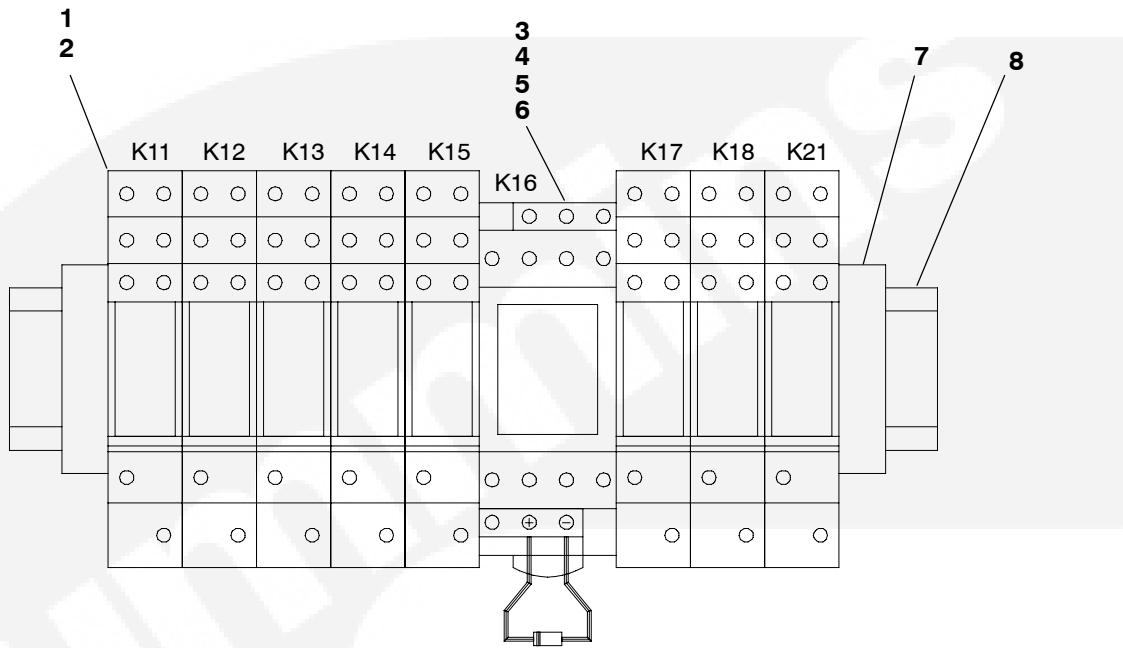


GCP Relay Assembly 1

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	249-0813	8	Relay – 2P, 24V W/Diode (K1-K8)	7	319-4763	1	Cover, Box – Perspex
2	249-0814	8	Relay – 2P, 24V Base (K1-K8)	8	319-4764	6	Cover, Box – Supports
3	249-0815	7	Relay – 1P, 24V W/Diode (1K9,2K9,1K10,2K10,3K10,1K20,2K20)	9			Board, Printed Circuit – Bus / First Start
4	249-0816	7	Relay – Base 1P (1K9,2K9,1K10,2K10,3K10,1K20,2K20)		300-4985-04	1	120V
					300-4985-01	1	240V
					300-4985-02	1	480V
					300-4985-03	1	600V
5	332-3895	1	Rail, Terminal Block	10	800-0309-77	4	Screw, Hex Head (M4 x 20)
6	332-3890	1	Block, Terminal – End Bracket	11	526-0399-54	4	Washer, Flat (M4)
				12	850-0114-51	4	Washer, Lock – Spring (M4)



GCP Relay Assembly 2

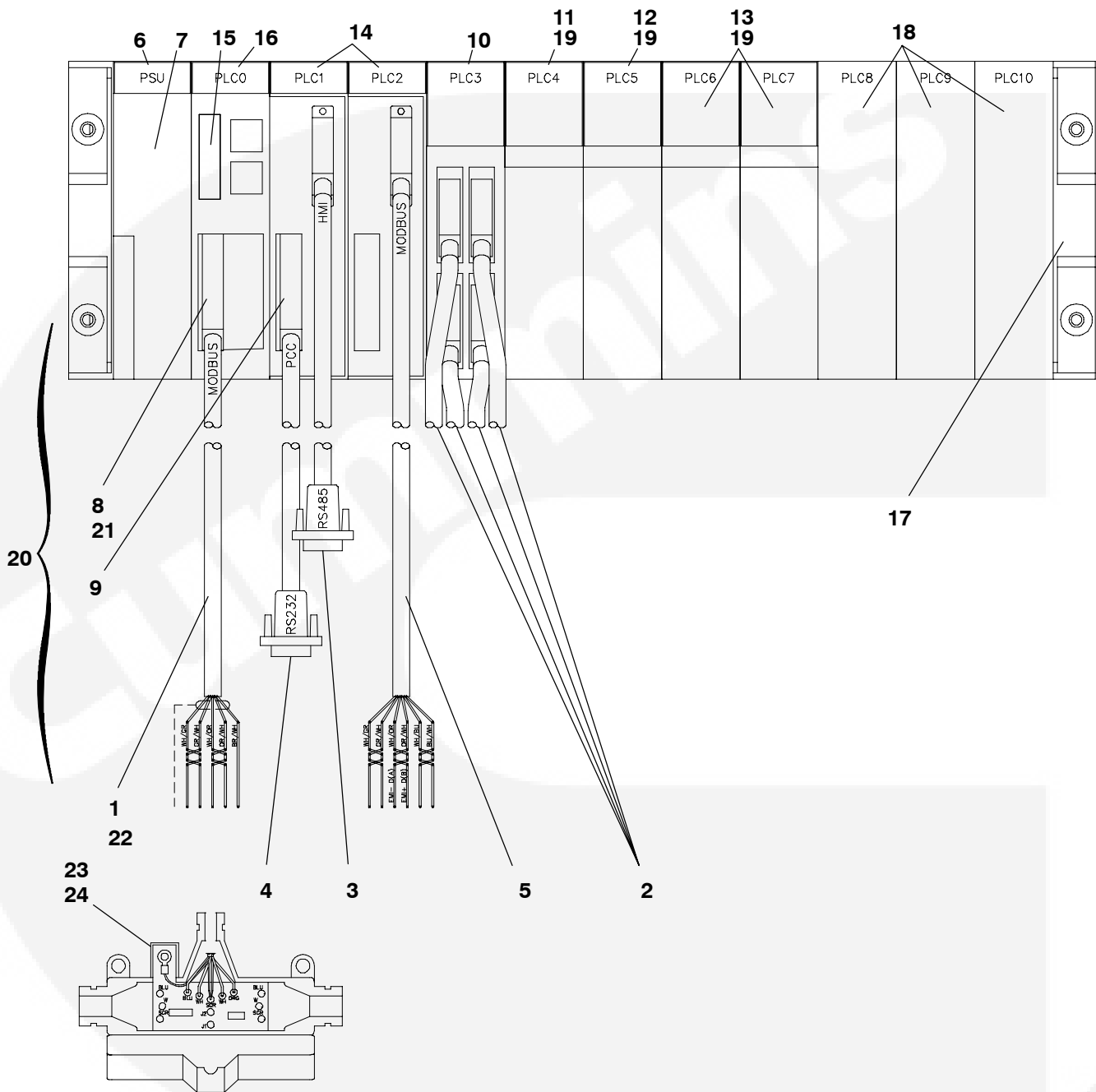


REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	249-0813	8	Relay – 2P, 24V W/Diode (K11–K15, K17, K18, K21)	4	249-0818	1	Relay – Base (K16)
2	249-0814	8	Relay – 2P, Base (K11–K15, K17, K18, K21)	5	249-0819	1	Relay – Clip (K16)
3	249-0817	1	Relay – 4P, 24V No Diode (K16)	6	305-1007	1	Rectifier (K16)
				7	332-3890	2	Block, Terminal – End Bracket
				8	332-3895	1	Rail, Terminal Block

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PLC Assembly

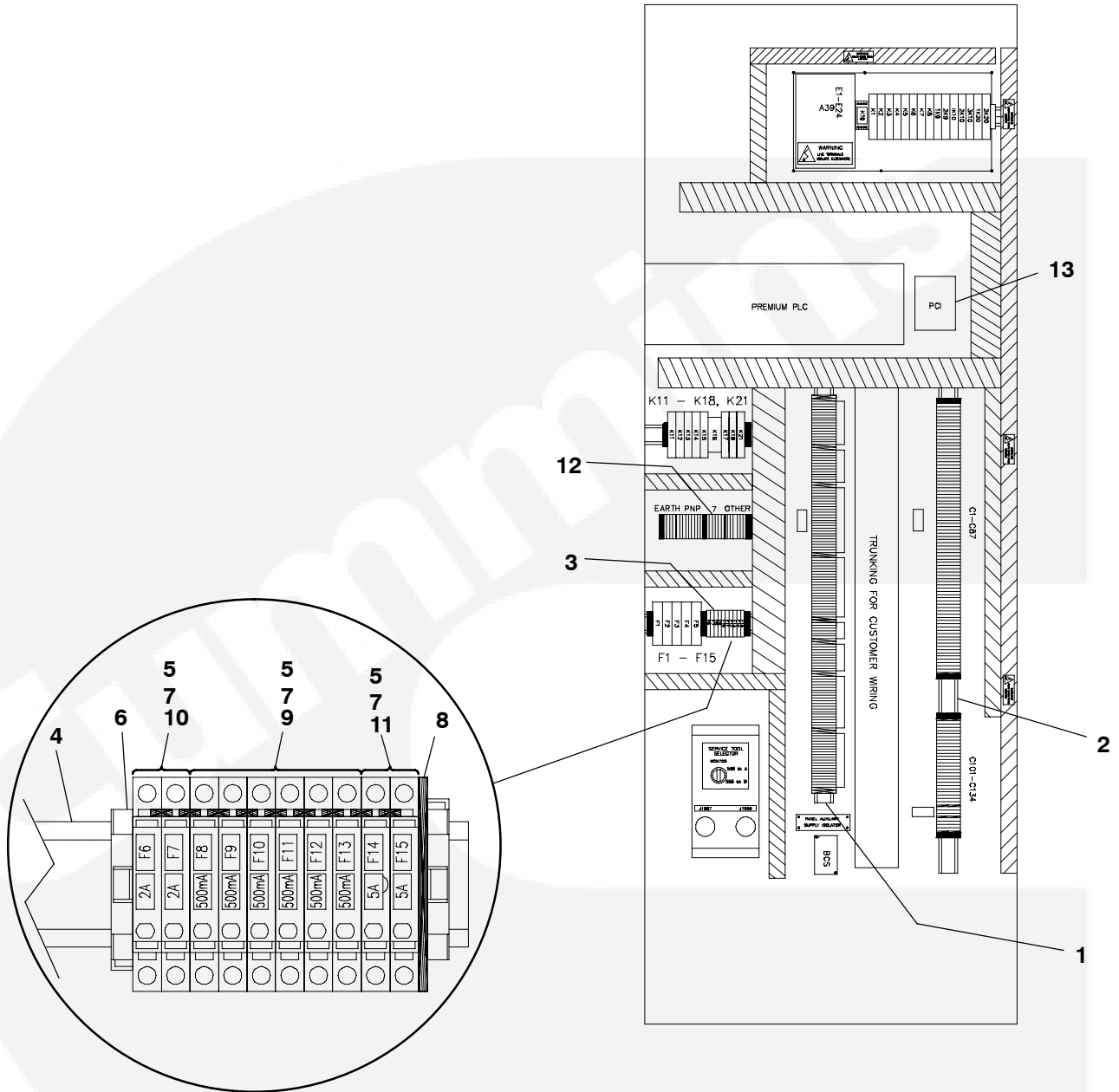


PLC Assembly

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	226-4852	1	Lead – PCMCIA Card Cable 3M	13	249-0828	2	Module, 16 Digital Output – 24VDC, 50A
2	226-4853	4	Lead – Extension Cable 3M	14	300-5644	2	PLC – Communication Module
3	226-4854	1	Lead – HMI RS485 Comms Cable 3M	15	300-5715	1	PLC – PCMCIA 64K16 Flash Card
4	226-4855	1	Lead – RS232 Comms Cable 3M	16	300-5830	1	PLC – Premium CPU 32K
5	226-4856	1	Lead – RS485 Modbus Comms Cable 3M	17	319-4751	1	Plate, Mounting – 12 Way Non-Extendable Rack
6	249-0820	1	Unit, Power Supply – 30W, 24VDC	18	319-4752	4	Cover, Printed Circuit Board – Protective Cover
7	249-0821	1	Battery, Lithium – RAM Backup	19	323-2026	4	Connector, Plug
8	249-0823	1	Card, PCMCIA – RS485/422	20	300-5737	1	DMC Interface Option (Includes Parts Marked *)
9	249-0824	1	Card, PCMCIA – RS232 PowerCommand Comms	21	300-5716	1	* PLC – PCMCIA Modbus Plus Comms Card
10	249-0825	1	Module, 64 Way High Density Input	22	335-0217	1	* Cable – Modbus Drop Cable 3M
11	249-0826	1	Module, 16 Digital Input – 24VDC	23	326-0174	1	* Tap, Cable
12	249-0827	1	Card, Resistance Thermometer Input	24	818-0231-02	2	* Rivet, Pop



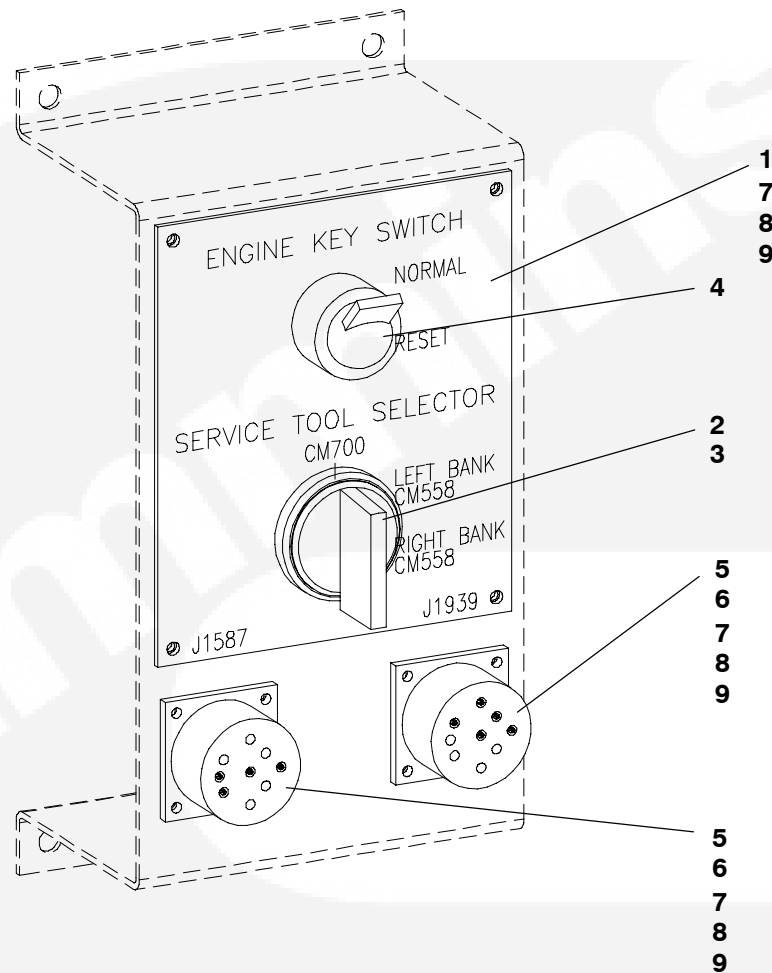
GCP Rail Assemblies



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-3934	1	Rail, Terminal Block
2	332-3922	1	Rail, Terminal Block
3	321-0392	1	Block, Fuse (Includes Parts Marked *)
4	332-4035-02	1	* Rail, Terminal Block
5	332-4071-02	1	* Strip, Marker
6	332-3925	2	* Stop, End - Terminal Block
7	332-3944	10	* Fuse - Terminal Block

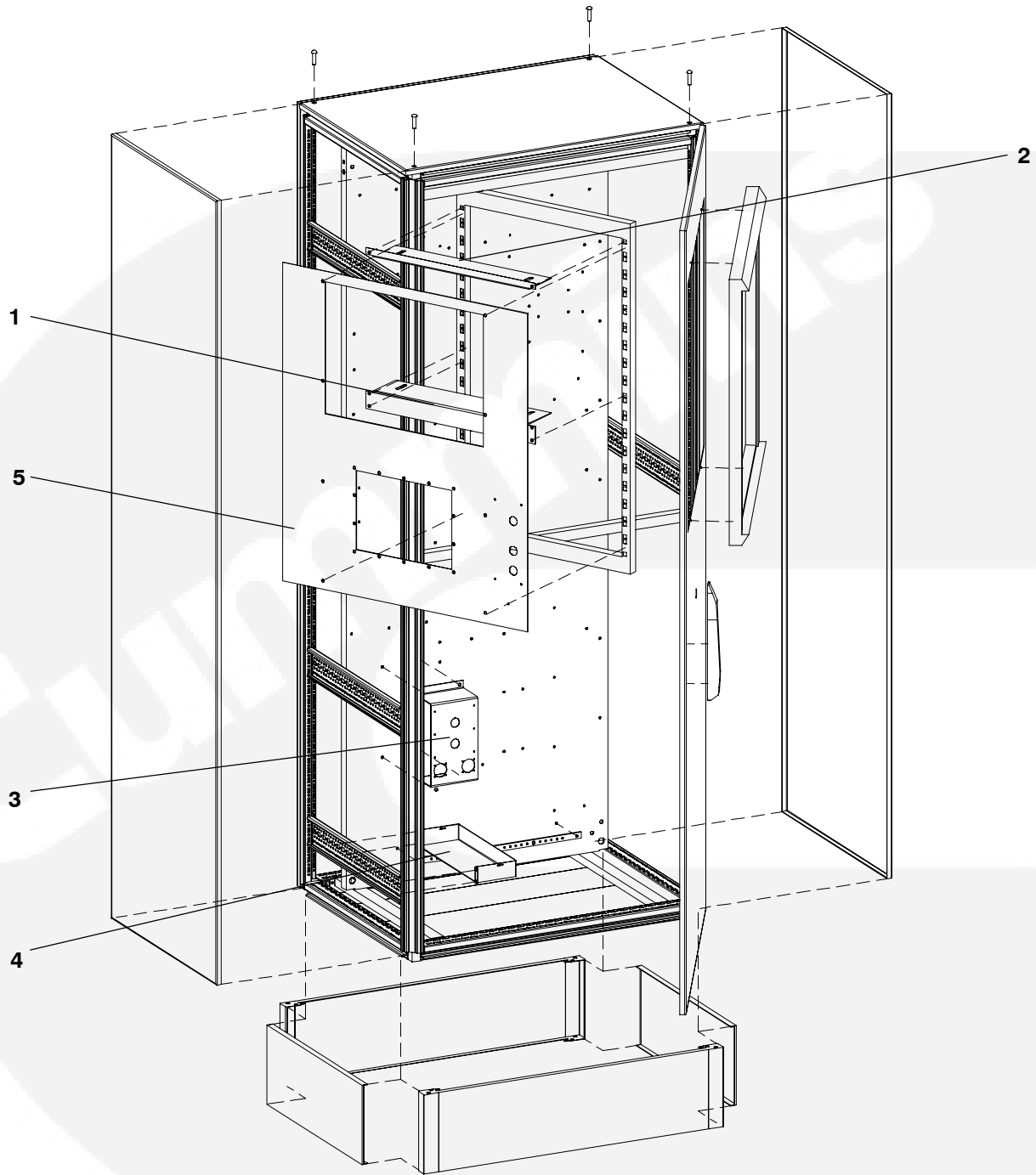
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
8	332-3945	1	* Plate, End - Terminal Block
9	321-0386	6	* Fuse (500mA)
10	321-0394-02	2	* Fuse (2A)
11	321-0394-04	2	* Fuse (5A)
12	332-3921	1	Rail, Terminal Block
13	300-5145	1	PCI
14	332-3925-01	9	* Jumper, Terminal (2-Way) (Not Shown)

Service Tool



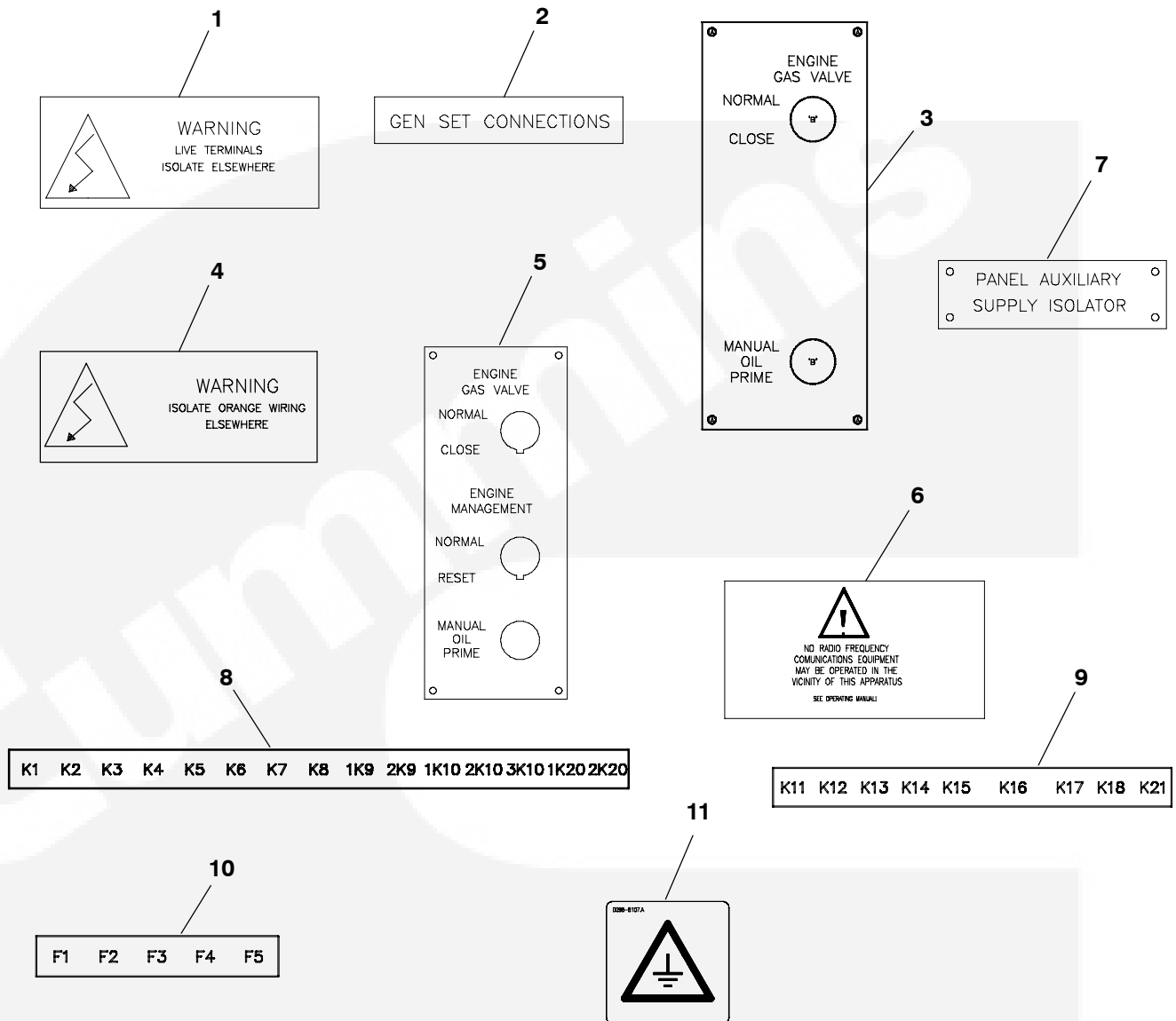
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	098-8286	1	Label, Information	6	323-2057	2	Receptacle
2	308-1138	1	Switch, Rotary	7	800-0309-55	12	Screw, Hex Head (M2.5 x 20)
3	308-1139	1	Switch, Rocker	8	862-0026-50	12	Nut, Hex (M2.5)
4	308-1137	1	Switch, Toggle - 2 Position	9	562-0399-50	12	Washer, Flat
5	323-2028	9	Connector, Plug				

Cabinet Frame



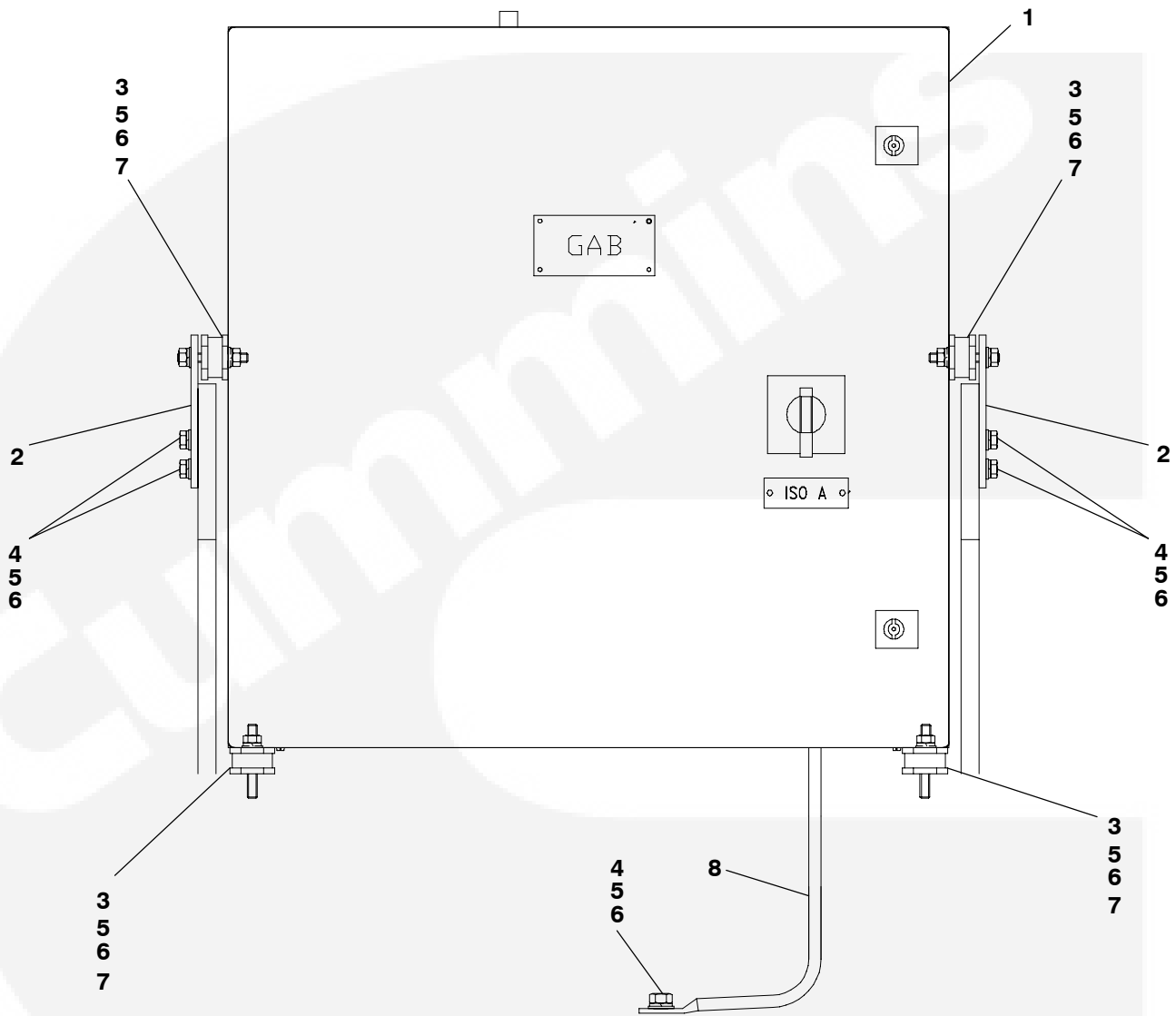
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-4990-01	1	Bracket, Control Box – PCC Support	4	319-4992	1	Bracket, Battery Charger
2	319-4990-02	1	Bracket, Control Box – PCC Support	5	319-5003	1	Frame, Cabinet – GCP Swing Frame Facia
3	319-4745	1	Bracket, Control Box – Switch/Socket Mounting				

Genset Control Panel Labels



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	098-8026	1	Label, Information – Customer Connections	6	098-8031	1	Label, Information – RF Warning
2	098-8027	1	Label, Information – Generator Connections	7	098-8032	1	Label, Information – Warning Live Terminals
3	098-8296	1	Label, Information – Engine Management	8	098-8161	1	Label, Information – K1-2K20
4	098-8029	4	Label, Information – Isolate Orange Wiring Elsewhere	9	098-8162	1	Label, Information – K11-K21
5	098-8030	1	Label, Information – Panel AC Supply Isolator	10	098-8163	1	Label, Information – F1-F5
				11	098-8107	1	Label, Information – Earth

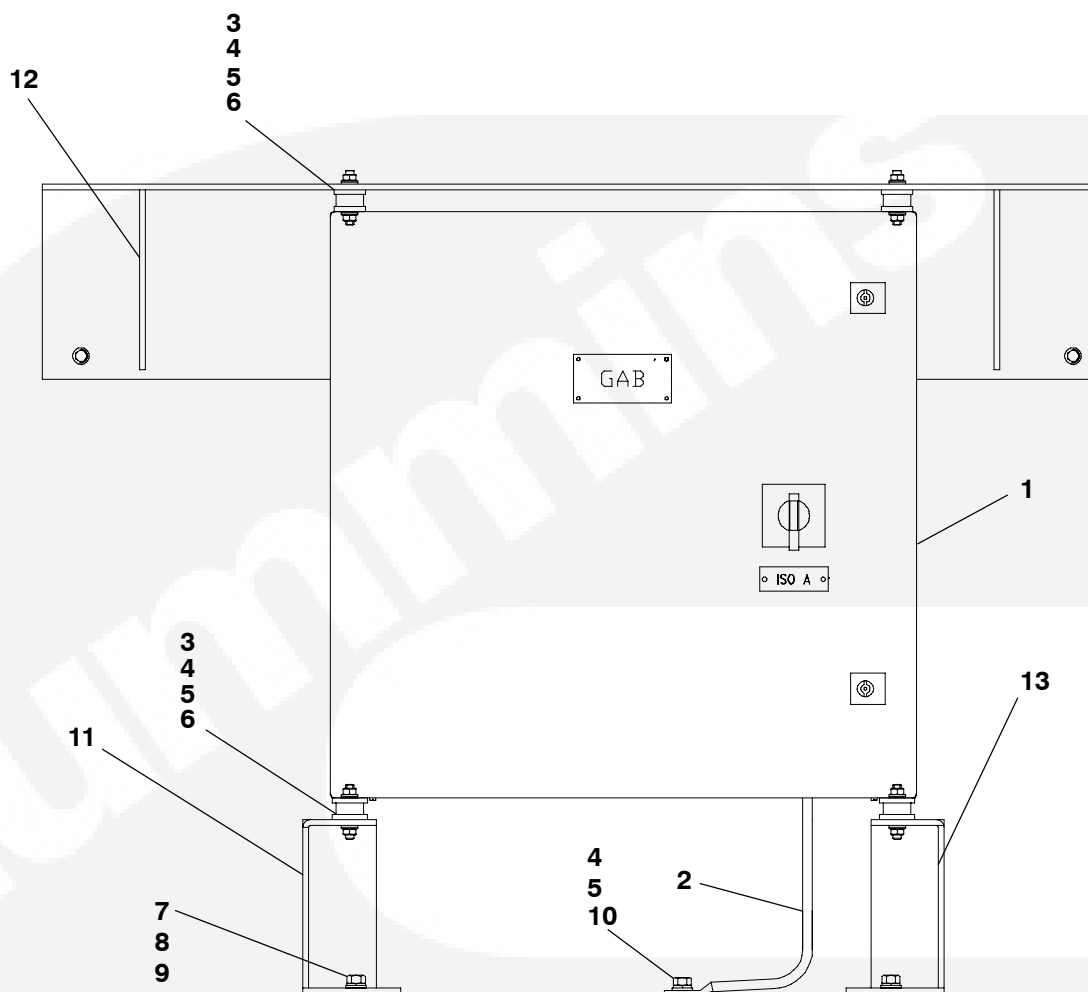
Genset Auxiliary Box Mounting **Frame 7 – GQMA, GQMB, GQNA, GQNB**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-4680-02	1	Box, Terminal 110V
	319-4681-02	1	240V
2	319-4682-02	2	Bracket, Terminal Box
3	403-4916	6	Pad, Mounting

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	800-3017-19	4	Screw, Hex Head (M8 x 20)
5	526-0399-59	12	Washer, Flat (M8)
6	850-0114-54	12	Washer, Lock – Spring (M8)
7	862-0026-55	9	Nut, Hex (M8)
8	226-4929-02	1	Lead

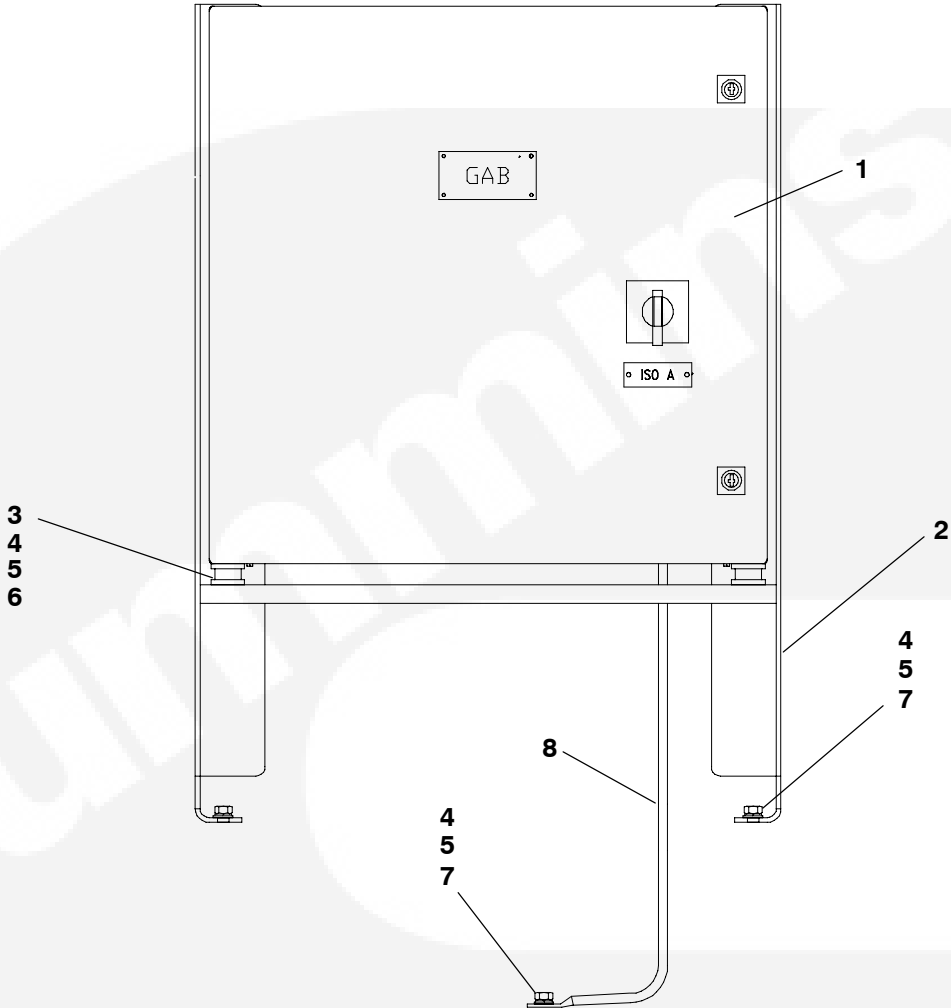
Genset Auxiliary Box Mounting **Frame 8 – GQMA, GQMB, GQNA, GQNB**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-5640	1	Box, Control
2	226-4929-01	1	Lead
3	403-4916	6	Pad, Mounting
4	526-0399-59	12	Washer, Flat (M8)
5	850-0114-54	12	Washer, Lock – Spring (M8)
6	862-0026-55	12	Nut, Hex (M8)
7	800-3017-40	4	Screw, Hex Head (M10 x 1.5 x 40)

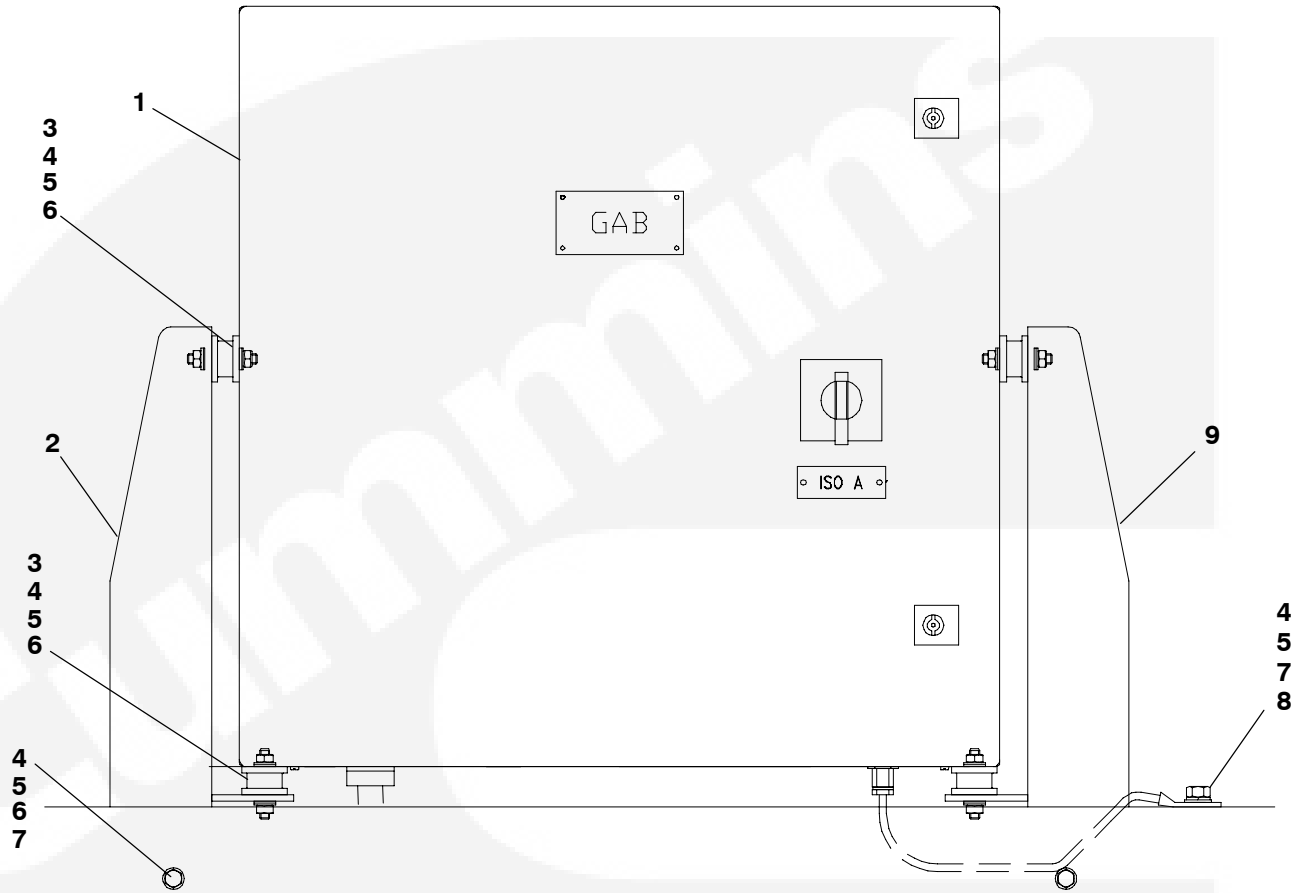
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
8	526-0399-62	4	Washer, Flat (M10)
9	850-0114-55	4	Washer, Lock – Spring (M10)
10	800-3017-22	1	Screw, Hex Head (M8 x 1.25 x 35)
11	319-4684-02	1	Bracket, Terminal Box
12	319-4683-02	1	Bracket, Terminal Box
13	319-4685-02	2	Bracket, Terminal Box

Genset Auxiliary Box Mounting
DIG130 – GQMA, GQMB, GQNA, GQNB



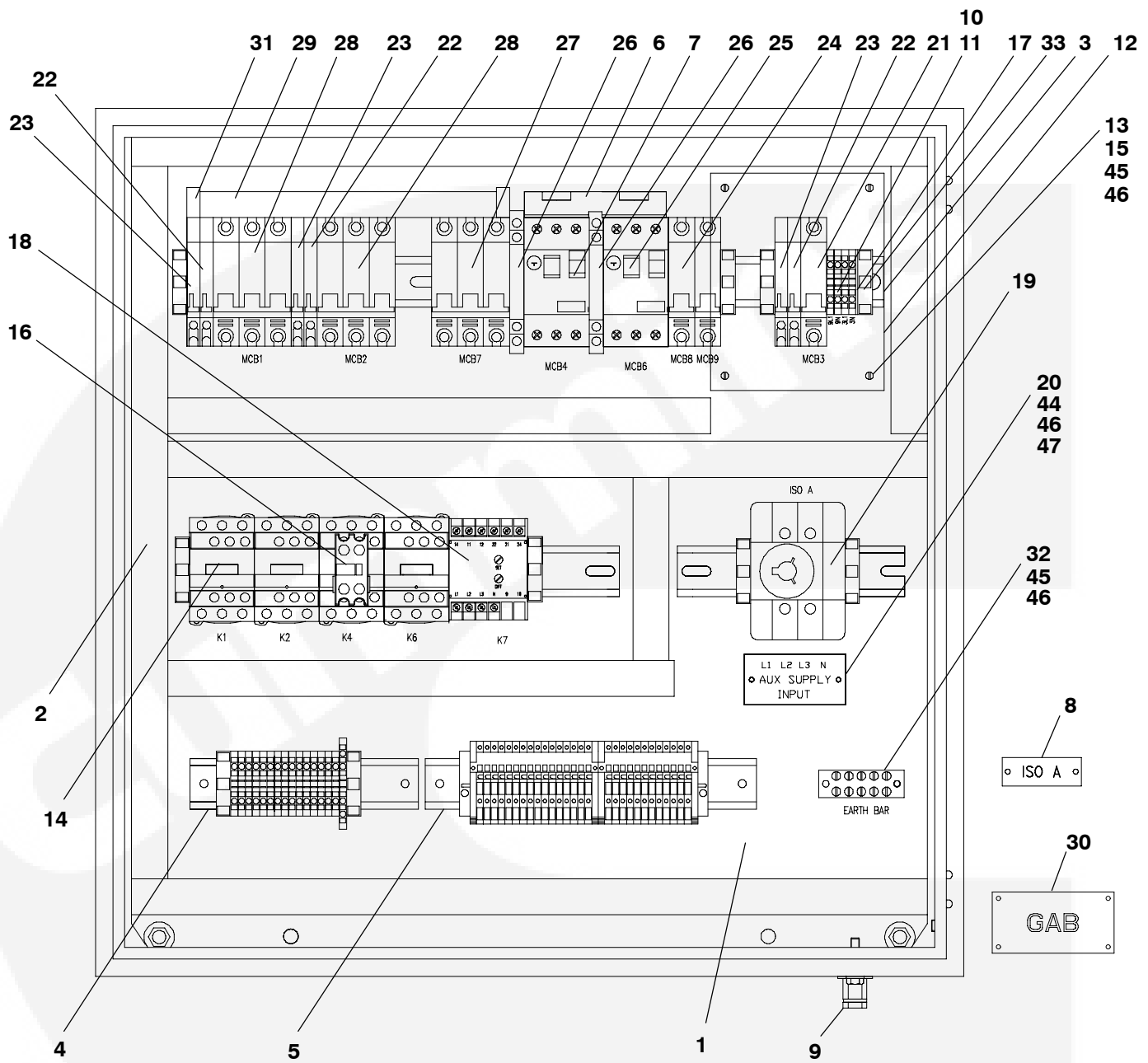
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-5640	1	Box, Control	6	862-0026-55	12	Nut, Hex (M8)
2	319-5687-02	1	Bracket, Terminal Box	7	800-3017-22	5	Screw, Hex Head (M8 x 1.25 x 35)
3	403-4916	6	Pad, Mounting	8	226-4929-01	1	Lead
4	526-0399-59	17	Washer, Flat (M8)				
5	850-0114-54	17	Washer, Lock – Spring (M8)				

Genset Auxiliary Box Mounting With Gear Box – GQPB



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-5640	1	Box, Control	6	862-0026-55	16	Nut, Hex (M8)
2	319-4864-02	1	Bracket, Terminal Box – LH	7	800-3017-22	5	Screw, Hex Head (M8 x 1.25 x 35)
3	403-4916	6	Pad, Mounting	8	226-4929-01	1	Lead
4	526-0399-59	20	Washer, Flat (M8)	9	319-4863-02	1	Bracket, Terminal Box – RH
5	850-0114-54	16	Washer, Lock – Spring (M8)				

Genset Auxiliary Box – 110V

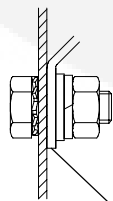


EARTH LEAD FIXINGS

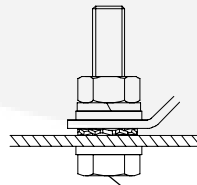
DOOR

GLAND PLATE

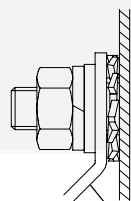
CONTROL BOX



35
36
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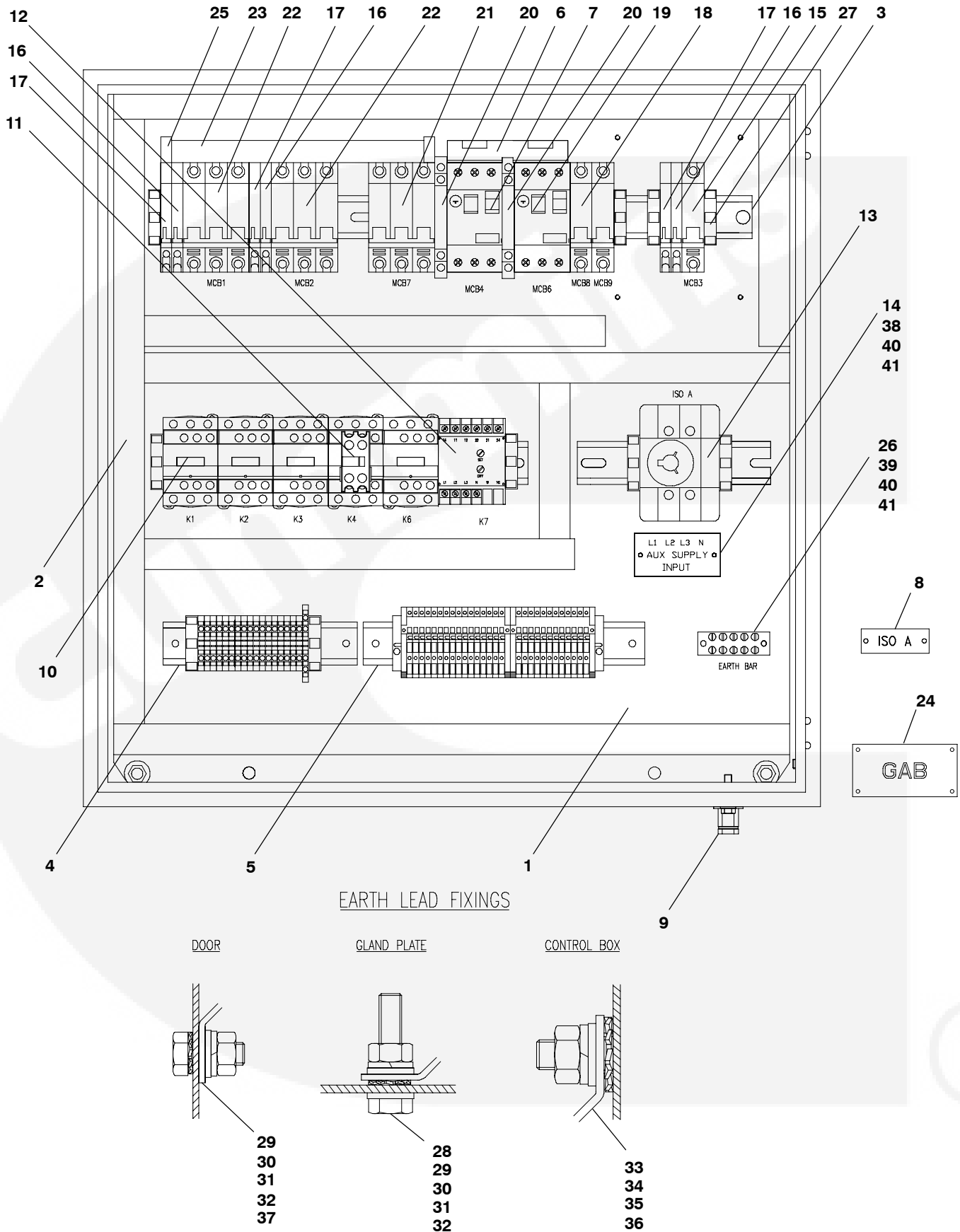
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Genset Auxiliary Box – 110V

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-5640	1	Box, Terminal	17	332-3927-01	1	Block, Terminal (End Plate)
2	331-0576	1	Conduit – 3m	18	249-0852	1	Relay, Phase Failure
3	332-3895	1	Rail, Terminal Block – 1.5m	19	320-2139	1	Switch, Disconnect (63A, 4P)
4	332-4102	1	Rail, Terminal Block – Assembly (Includes the Following 6 Items)	20	098-8078	1	Label, Information
	332-3895	A/R	Rail, Terminal Block	21	320-2269	1	Breaker, Circuit (16A)
	332-3923-01	15	Block, Terminal	22	249-0839	3	Switch, Auxiliary Trip (SD)
	332-3923-03	1	Block, Terminal	23	249-0838	3	Switch, MCB Auxiliary (OF)
	332-3927-03	1	Block, Terminal (End Plate)	24	249-0846	2	Breaker, Miniature Circuit (10A)
	332-3939-17	16	Tag, Identification (Terminal)	25	320-2248	1	Breaker, Circuit (10A, 3P)
	332-4021	2	Block, Terminal (End Stop)	26	249-0844	2	Motor, Circuit Breaker – Auxiliary
5	332-4014	1	Rail, Terminal Block – Assembly (Includes the Following 8 Items)	27	249-0845	1	Breaker, Miniature Circuit (2A, 3P)
	306-4723	2	Rail, Terminal Block	28	249-0836	2	Breaker, Miniature Circuit (16A, 3P)
	306-4724	4	Bracket, Terminal Block	29	249-0843	1	Starter, Motor – Comb Bus Bar
	332-3878	2	Socket, Terminal	30	098-8248	1	Label, Unit ID (AC Auxiliary Box)
	332-3879	2	Socket, Terminal	31	337-3636	2	BusBar (Comb End-Caps)
	332-3884	28	Block, Terminal	32	332-4073	1	Block, Terminal (Brass, 5-Way)
	332-3885	8	Block, Terminal	33	332-3926	8	Block, Terminal (End Stop)
	332-3895	A/R	Rail, Terminal Block	34	800-3017-05	1	Screw, Hex Head (M6 x 25)
	532-0488	28	Tag, Identification (Terminal)	35	862-0026-54	2	Nut, Hex (M6)
6	337-3635	1	Bar, Bus	36	526-0399-58	3	Washer, Flat (M6)
7	320-2268	1	Breaker, Circuit	37	850-0114-53	2	Washer, Lock – Spring (M6)
8	098-8314	1	Label, Unit ID	38	856-0023	2	Washer, Lock – W/EIT (M6)
9	332-4026	1	Clamp, Cable	39	526-0399-60	1	Washer, Flat (M8)
10	332-3923-01	4	Block, Terminal	40	850-0115-54	1	Washer, Lock – Spring (M8)
11	332-3939-17	4	Tag, Identification (Terminal)	41	853-0040-55	1	Washer, Lock – W/ET (M8)
12	405-8738	1	Cover – Insulation	42	862-0026-55	1	Nut, Hex (M8)
13	872-0024	12	Standoff	43	800-3017-02	1	Screw, Hex Head (M6 x 12)
14	306-4945	4	Contact	44	800-0309-73	6	Screw, Hex Head (M4 x 8)
15	815-1540-18	4	Screw, Slotted – Cheese Head (M4 x 10)	45	850-0115-51	8	Washer, Lock – Spring (M4)
16	306-4989	1	Contact, Auxiliary	46	526-0399-54	8	Washer, Flat (M4)
				47	800-0309-77	2	Screw, Hex Head (M4 x 20)



Genset Auxiliary Box – 240V

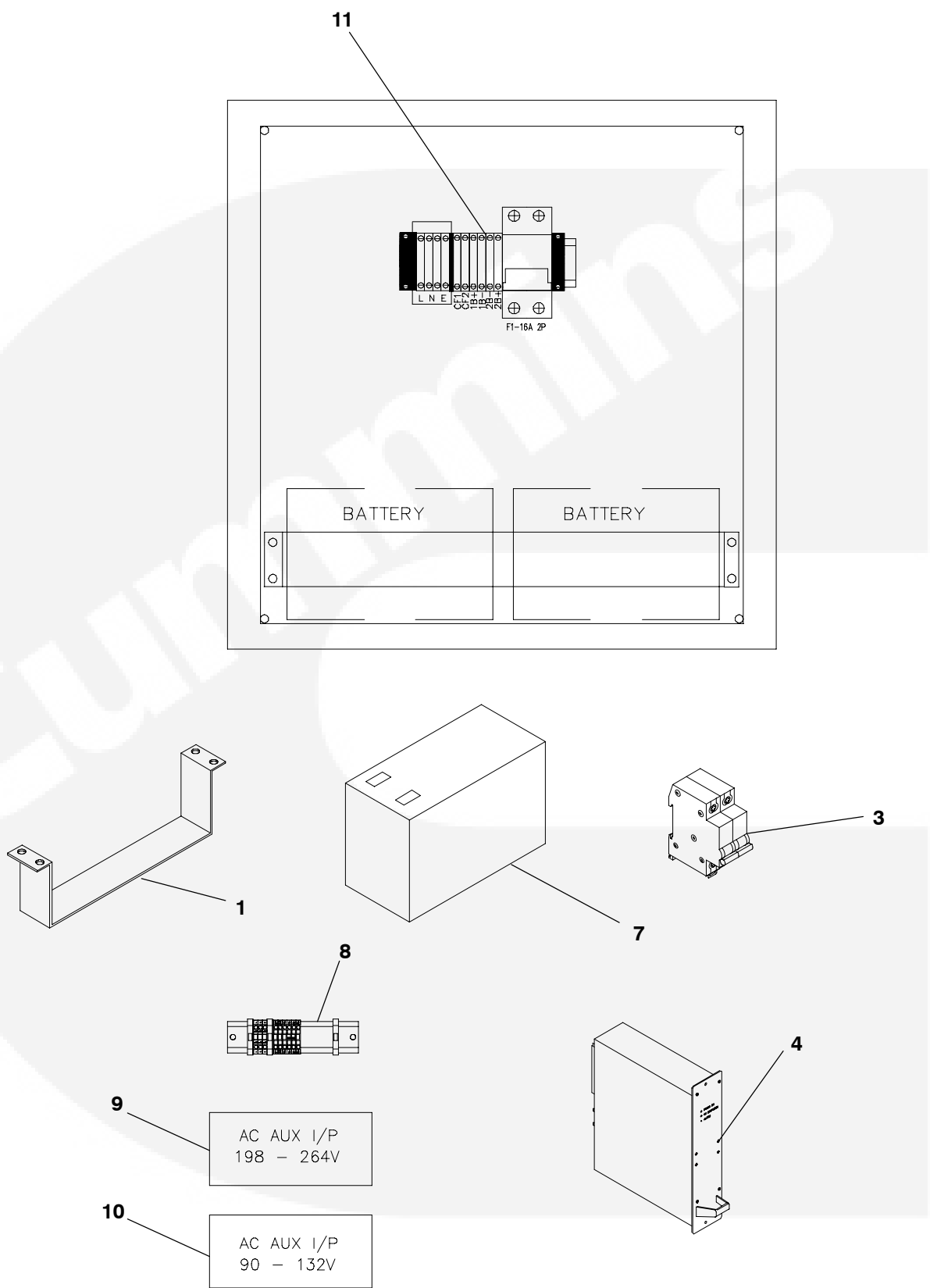


Genset Auxiliary Box – 240V

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-5640	1	Box, Terminal	15	320-2198	1	Breaker, Circuit (6A)
2	331-0576	1	Conduit – 3m	16	249-0839	3	Switch, Auxiliary Trip (SD)
3	332-3895	1	Rail, Terminal Block – 1.5m	17	249-0838	3	Switch, MCB Auxiliary (OF)
4	332-4101	1	Rail, Terminal Block – Assembly (Includes the Following 6 Items)	18	249-0846	2	Breaker, Miniature Circuit (10A)
	332-3895	A/R	Rail, Terminal Block	19	320-2248	1	Breaker, Circuit (10A, 3P)
	332-3923-01	17	Block, Terminal	20	249-0844	2	Motor, Circuit Breaker – Auxiliary
	332-3923-03	1	Block, Terminal	21	249-0845	1	Breaker, Miniature Circuit (2A, 3P)
	332-3927-03	1	Block, Terminal (End Plate)	22	249-0836	2	Breaker, Miniature Circuit (16A, 3P)
	332-3939-17	18	Tag, Identification (Terminal)	23	249-0843	1	Starter, Motor – Comb Bus Bar
	332-4021	2	Block, Terminal (End Stop)	24	098-8248	1	Label, Unit ID (AC Auxiliary Box)
5	332-4014	1	Rail, Terminal Block – Assembly (Includes the Following 8 Items)	25	337-3636	2	BusBar (Comb End-Caps)
	306-4723	2	Rail, Terminal Block	26	332-4073	1	Block, Terminal (Brass, 5-Way)
	306-4724	4	Bracket, Terminal Block	27	332-3926	8	Block, Terminal (End Stop)
	332-3878	2	Socket, Terminal	28	800-3017-05	1	Screw, Hex Head (M6 x 25)
	332-3879	2	Socket, Terminal	29	862-0026-54	2	Nut, Hex (M6)
	332-3884	28	Block, Terminal	30	526-0399-58	3	Washer, Flat (M6)
	332-3885	8	Block, Terminal	31	850-0114-53	2	Washer, Lock – Spring (M6)
	332-3895	A/R	Rail, Terminal Block	32	856-0023	2	Washer, Lock – W/EIT (M6)
	532-0488	28	Tag, Identification (Terminal)	33	526-0399-60	1	Washer, Flat (M8)
6	337-3635	1	Bar, Bus	34	850-0115-54	1	Washer, Lock – Spring (M8)
7	320-2268	1	Breaker, Circuit	35	853-0040-55	1	Washer, Lock – W/ET (M8)
8	098-8314	1	Label, Unit ID	36	862-0026-55	1	Nut, Hex (M8)
9	332-4026	1	Clamp, Cable	37	800-3017-02	1	Screw, Hex Head (M6 x 12)
10	306-4945	5	Contact, Auxiliary	38	800-0309-73	6	Screw, Hex Head (M4 x 8)
11	306-4989	1	Contact, Auxiliary	39	850-0115-51	8	Washer, Lock – Spring (M4)
12	249-0852	1	Relay, Phase Failure	40	526-0399-54	8	Washer, Flat (M4)
13	320-2139	1	Switch, Disconnect (63A, 4P)	41	800-0309-77	2	Screw, Hex Head (M4 x 20)
14	098-8078	1	Label, Information				



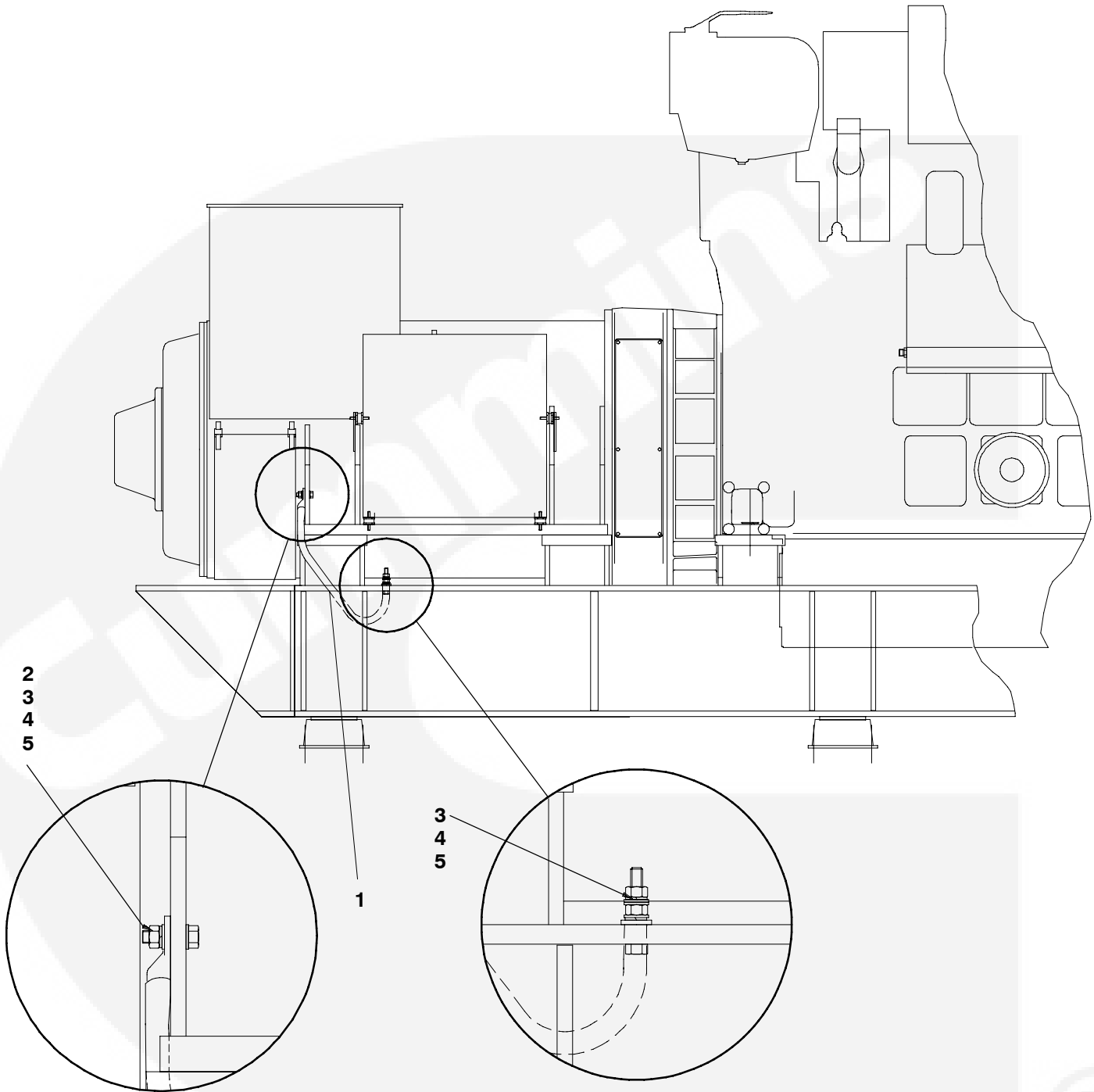
Engine Power Supply Unit



Engine Power Supply Unit

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	416-1140	1	Bracket, Battery	6	300-5651	1	Enclosure, Compact (380 x 210mm – Includes Mounting Plate) (Not Illustrated)
2	331-0576	1	Conduit (25 x 50) (Not Illustrated)	7	416-1138	2	Battery – 12V
3	320-2163	1	Breaker, Circuit (16A, 2P, Type C)	8	332-3894	1	Rail, Terminal Block
4			Power Supply – Modular (20A, 24V)	9	098-8023	1	Label, Information
	300-5648	1	(100-120V)	10	098-8024	1	Label, Information
	300-5649	1	(220-240V)	11	300-5627	1	Power Supply – Control
5	300-5650	1	Bracket, Wall Mounting (RPM 6.00 Module) (Not Illustrated)				

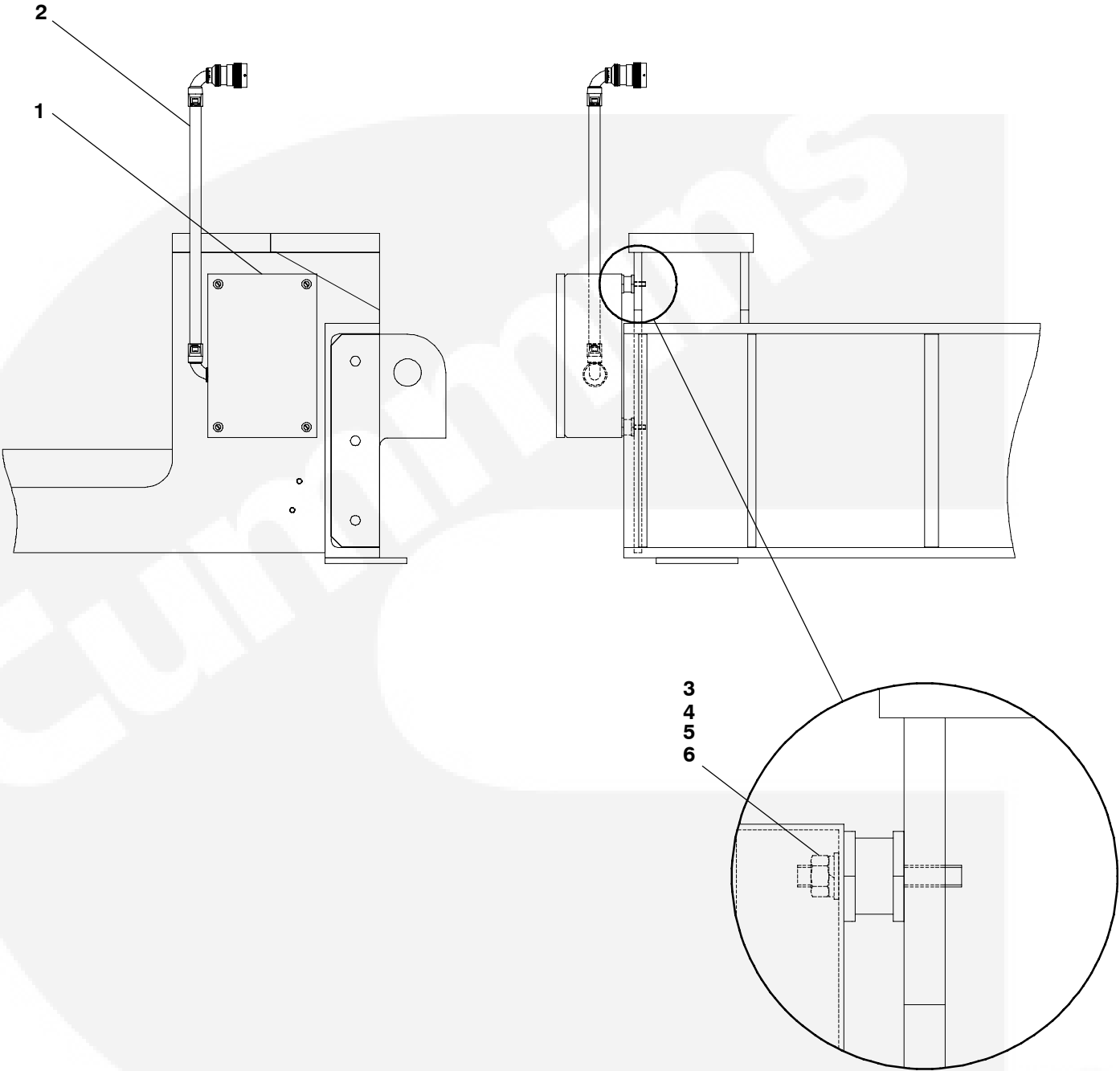
Ground Strap



(Frame 7 Shown)

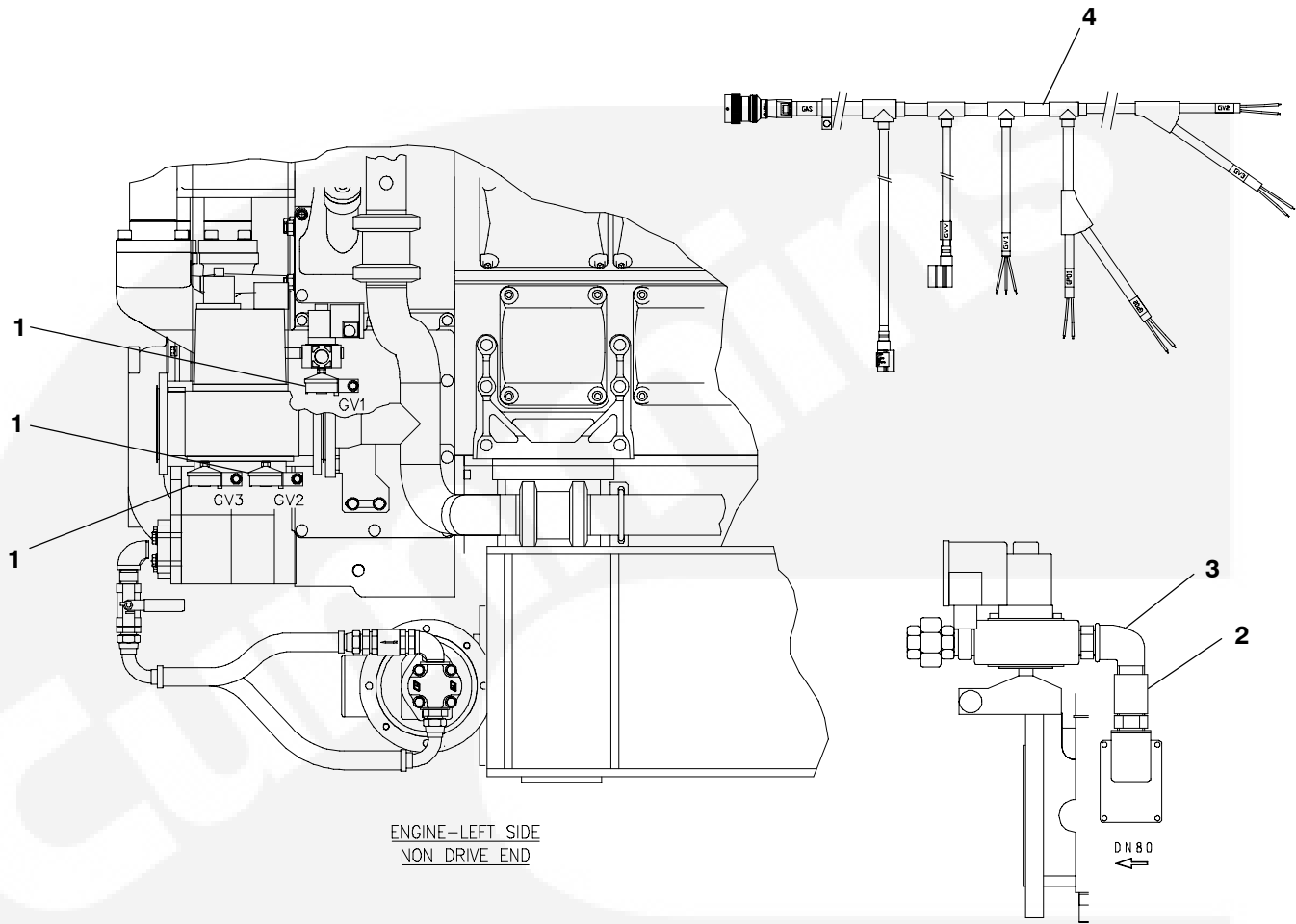
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	226-4921-01	1	Lead	2	800-3017-57	1	Screw, Hex Head – Set Bolt
			Frame 8 – W/O Gear Box, DIG130 (240 sq. mm., 650mm lg.)		800-3017-59	1	Frame 7, DIG130 (M12 x 1.75 x 45)
	226-4921-02	1	Frame 7, Frame 8 W/ Gear Box (240 sq. mm., 1000mm lg.)	3	526-0399-54	5	Frame 8 (M12 x 1.75 x 55)
				4	850-0114-56	3	Washer, Flat (M12)
				5	862-0026-57	3	Washer, Lock – Spring (M12)
							Nut, Hex (M12 x 1.75)

Terminal Box
Gas Valve



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-6013	1	Control Assembly (Includes the Following 5 Items)	2	338-4273	1	Harness, Control
	319-4699	1	Box, Control	3	403-4916	4	Pad, Mounting
	332-3863	1	Rail, Terminal Block	4	862-0026-55	4	Nut, Hex (M8)
	526-0399-56	2	Washer, Flat - Steel (M5)	5	526-0399-60	4	Washer, Flat - Steel (M8)
	815-1540-33	2	Screw, Slotted - Cheese Head (M5 x 12)	6	850-0114-54	4	Washer, Lock - Spring (M8)
	850-0114-52	2	Washer, Lock - Steel (M5)				

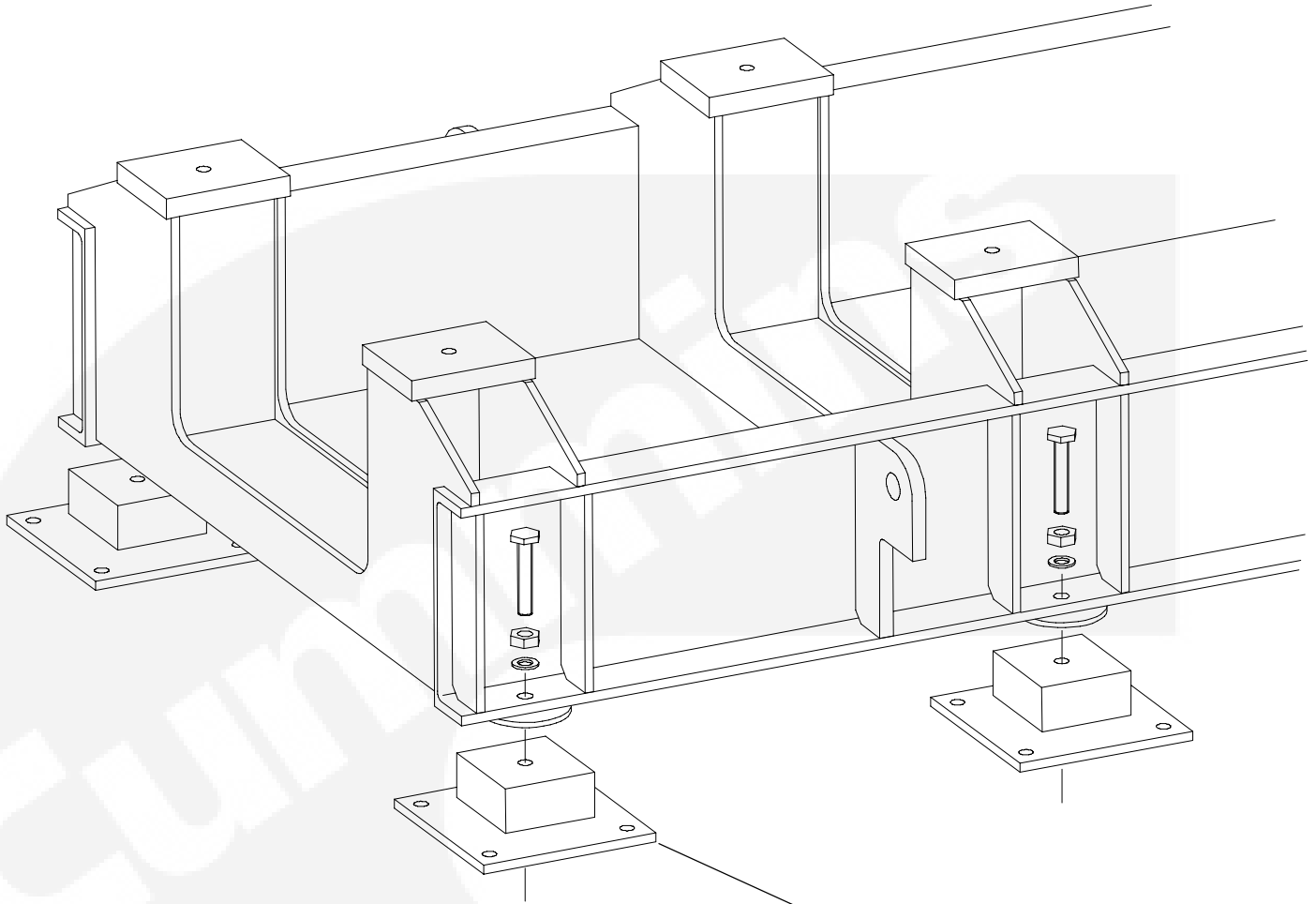
Gas Valve



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	308-1128	3	Switch, Actuator
2	505-2228	1	Coupling, Pipe (3/4")

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
3	505-1574	1	Elbow, Pipe (3/4")
4	338-4374	1	Harness, Wiring - Valve

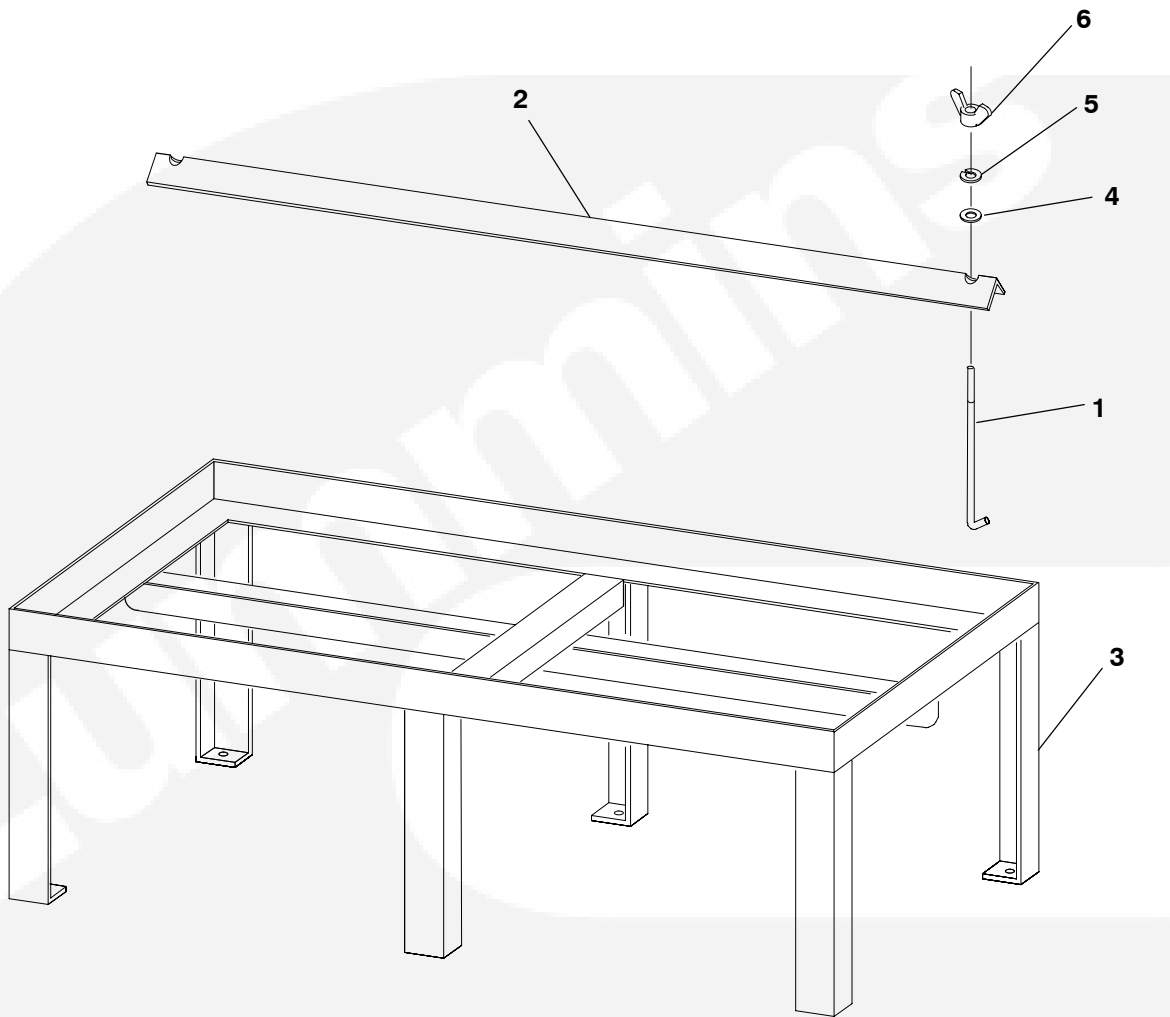
**Vibration Isolator
GQMA, GQMB, GQNA, GQNB**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	1 PART DESCRIPTION
1			Isolator, Vibration (Screw, Nut and Washer Supplied With Vibration Isolator)				
			GQMA, GQMB				
	402-0794	8	Frame 7				
	402-0804	8	Frame 8				
	402-0814	10	DIG130				
			GQNA, GQNB				
	402-0794	8	Frame 7				
	402-0796	8	Frame 8				
	402-0796	8	DIG130				



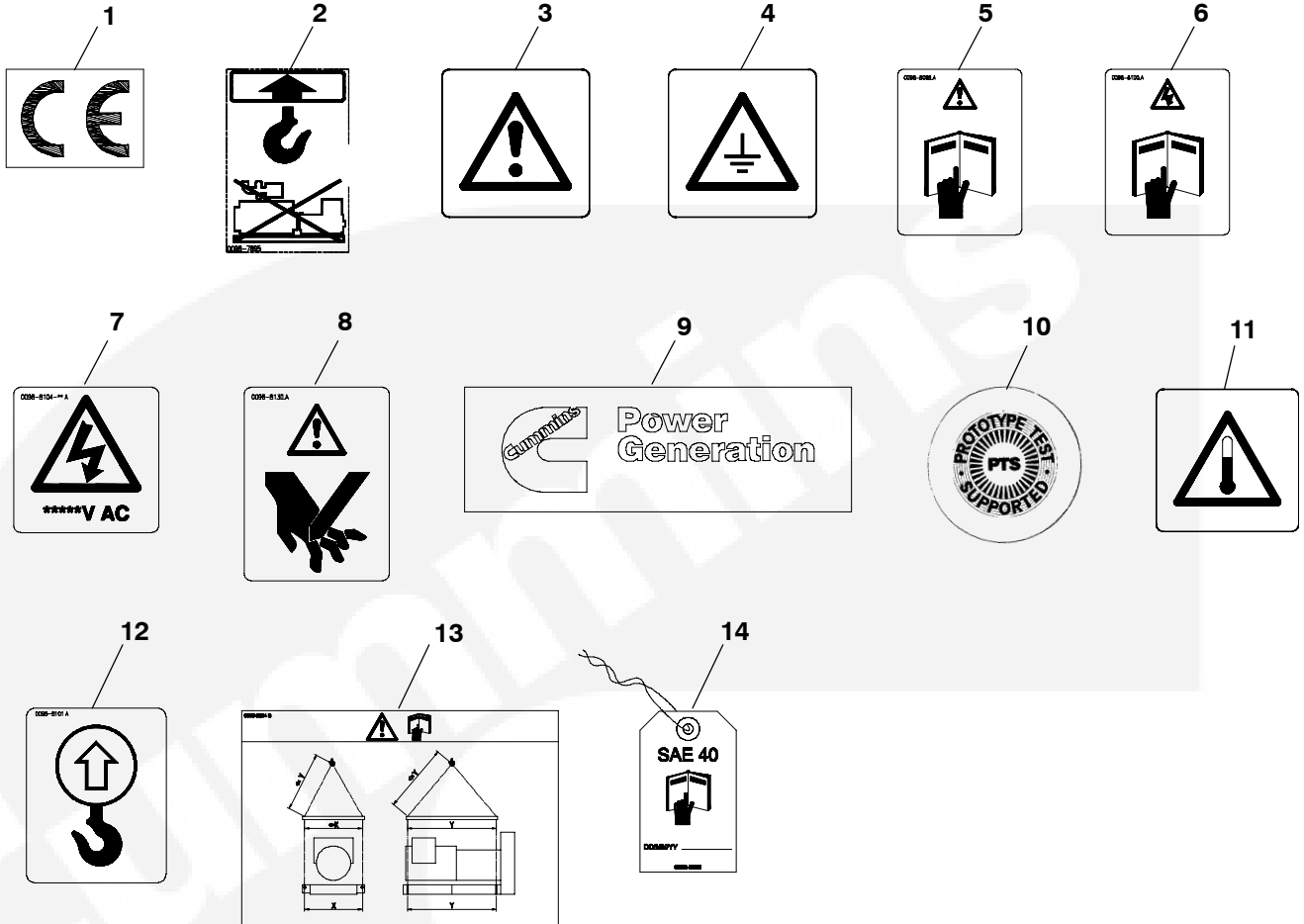
Battery Tray



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	416-1265-02	4	Rod, Battery Holddown
2	416-1266-02	2	Holddown, Battery
3	416-1267-02	1	Frame, Battery

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	526-0399-60	4	Washer, Flat – Steel (M8)
5	850-0114-54	4	Washer, Lock – Steel (M8)
6	865-0031	4	Nut, Wing (M8)

Labels



Labels

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	098-8221	1	Label, CE	8	098-8130	A/R	Label, Caution (Rotating Parts)
2	098-7895	A/R	Label, Warning (Do Not Lift)	9	098-7902-04	A/R	Label, Logo
3	098-8096	A/R	Label, Warning (General)	10	098-4500	A/R	Label, Prototype Tested
4	098-8097	A/R	Label, Information (Earth/Ground)	11	098-8095	A/R	Label, Warning (Hot Surface)
5	098-8098	A/R	Label, Instruction	12	098-8101	A/R	Label, Information (Lifting Eye)
6	098-8100	A/R	Label, Warning (Service Manual)	13	098-8324	A/R	Label, Warning (Lifting)
7			Label, Warning	14	098-8263	A/R	Label, Information (Oil Fill)
	098-8104-01 A/R		380V AC				
	098-8104-02 A/R		400V AC				
	098-8104-03 A/R		415V AC				
	098-8104-04 A/R		440V AC				
	098-8104-05 A/R		480V AC				
	098-8104-06 A/R		600V AC				
	098-8104-07 A/R		3300V AC				
	098-8104-08 A/R		4160V AC				
	098-8104-09 A/R		6000V AC				
	098-8104-10 A/R		6300V AC				
	098-8104-11 A/R		6600V AC				
	098-8104-12 A/R		7200V AC				
	098-8104-13 A/R		10000V AC				
	098-8104-14 A/R		10500V AC				
	098-8104-15 A/R		11000V AC				
	098-8104-16 A/R		11400V AC				
	098-8104-17 A/R		12470V AC				
	098-8104-18 A/R		13200V AC				
	098-8104-19 A/R		13800V AC				
	098-8104-20 A/R		240V AC				
	098-8104-21 A/R		110V AC				
	098-8104-22 A/R		230V AC				



Numerical Index

<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>
098-4500, 108		098-8130, 108		130-6416, 33		140-3632-02, 17	
098-7281, 58		098-8161, 91		130-6417, 33		140-3633-02, 17, 21, 25, 29	
098-7895, 108		098-8162, 91		132-0423, 32		140-3634-02, 17, 21, 29	
098-7902-04, 108		098-8163, 91		132-0424-02, 32		140-3635-02, 17, 25	
098-8023, 101		098-8221, 108		132-0425, 32		140-3637-02, 17	
098-8024, 101		098-8231, 69		132-0426-02, 32		140-3638-02, 17	
098-8025, 80		098-8240, 69		132-0455, 33		140-3647-02, 17, 25	
098-8026, 91		098-8241, 69		132-0456, 33		140-3650-02, 21	
098-8027, 91		098-8248, 97, 99		132-0457, 33		140-3651-02, 21	
098-8029, 91		098-8263, 108		132-0458, 33		140-3652-02, 29	
098-8030, 91		098-8286, 89		140-1260, 15, 19, 23, 27		140-3653-02, 29	
098-8031, 91		098-8296, 91		140-3230, 15, 19, 23, 27		140-3654-02, 17	
098-8032, 91		098-8314, 97, 99		140-3357, 15, 19, 23, 27		140-3655-02, 17	
098-8078, 97, 99		098-8324, 108		140-3370, 15, 19, 23, 27		140-3656-02, 21	
098-8095, 108		098-8335, 69		140-3454, 57		140-3657-02, 21	
098-8096, 108		098-8336, 69		140-3455, 65		140-3658-02, 17	
098-8097, 108		100-3961-02, 15, 19, 23, 27		140-3610, 25		140-3659-02, 21, 29	
098-8098, 108		102-1507-02, 48		140-3610-02, 17, 21, 29		140-3660-02, 21, 29	
098-8100, 108		120-1340-02, 42		140-3611, 25		140-3662-02, 17	
098-8101, 108		122-0862-01, 37, 38, 41, 45		140-3611-02, 17, 21, 29		140-3664-02, 17	
098-8104-01, 108		122-0870-02, 37		140-3612-02, 17, 29		140-3666-02, 21	
098-8104-02, 108		122-0871-02, 37, 38, 41		140-3613-02, 17, 21, 29		140-3668-02, 21	
098-8104-03, 108		122-0872-02, 37, 38, 41		140-3614-02, 17		140-3670-02, 21	
098-8104-04, 108		123-2197, 42		140-3615-02, 17, 21, 25, 29		140-3672-02, 21	
098-8104-05, 108		123-2198, 42, 46, 48		140-3618-02, 17		140-3674-02, 29	
098-8104-06, 108		123-2200-02, 38		140-3619-02, 17		140-3676-02, 29	
098-8104-07, 108		123-2201-02, 37, 38, 41		140-3621-02, 17, 21, 25, 29		140-3678-02, 21	
098-8104-08, 108		123-2203-02, 37, 38, 41		140-3622, 25		140-3679-02, 21	
098-8104-09, 108		123-2204, 48		140-3622-02, 17, 21, 29		140-3680-02, 25, 29	
098-8104-10, 108		123-2205, 48		140-3626-02, 17, 21, 25, 29		140-3681-02, 29	
098-8104-11, 108		123-2206, 37, 38, 41, 45		140-3629-02, 17, 21, 25, 29		140-3685, 15, 19, 23, 27	
098-8104-12, 108		123-2221-02, 45		140-3629-04, 21, 25		140-3689-02, 21	
098-8104-13, 108		123-2222-02, 45		140-3629-06, 21, 25		140-3690-02, 17, 21, 29	
098-8104-14, 108		123-2223-02, 45		140-3629-08, 17		140-3693-02, 17	
098-8104-15, 108		123-2224-02, 45		140-3629-14, 17		140-3850-02, 25	
098-8104-16, 108		123-2225-02, 45		140-3629-16, 29		140-3851-02, 25	
098-8104-17, 108		123-2277, 52		140-3629-24, 21, 25		140-3852-02, 25	
098-8104-18, 108		123-2278-02, 41		140-3629-26, 21, 25		140-3853-02, 25	
098-8104-19, 108		130-5648, 32		140-3629-28, 17		140-3854-02, 25	
098-8104-20, 108		130-5743-02, 12		140-3629-30, 17		140-3855-02, 25	
098-8104-21, 108		130-5744-02, 12		140-3629-32, 29		140-3856-02, 25	
098-8104-22, 108		130-5745-02, 12		140-3630-02, 21		140-3857-02, 25	
098-8107, 91		130-5746-02, 12		140-3631-02, 17, 21, 25, 29		140-3883-02, 25	

Numerical Index

<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>
155-3680, 30		200-3159-13, 60		226-4853, 87		249-0828, 87	
155-3681, 30		200-3159-15, 60		226-4854, 87		249-0831, 80	
155-3682, 30		200-3159-21, 60		226-4855, 87		249-0832, 80	
155-3704, 30		200-3159-23, 60		226-4856, 87		249-0833, 80	
190-0789-02, 8		200-3159-25, 60		226-4861, 7		249-0836, 97, 99	
190-0790-02, 8		200-3159-31, 61		226-4862, 7		249-0838, 97, 99	
190-0791-02, 8		200-3159-33, 61		226-4921-01, 102		249-0839, 97, 99	
190-0804-02, 12		200-3159-35, 61		226-4921-02, 102		249-0843, 97, 99	
190-0805-02, 12		200-3160-01, 61		226-4929-01, 93, 94, 95		249-0844, 97, 99	
190-0807-02, 12		200-3160-02, 61		226-4929-02, 71, 72, 73, 74, 92		249-0845, 97, 99	
190-0808-02, 12		200-3160-03, 61		226-4946, 7		249-0846, 97, 99	
190-0809-02, 12		200-3160-11, 61		226-4947, 7		249-0852, 97, 99	
190-0810-02, 12		200-3160-13, 61		226-4948, 7		249-0855, 65, 66	
190-0852-02, 12		200-3160-15, 61		232-3849, 58		249-0859, 32	
190-0853-02, 12		200-3160-21, 61		232-4113-01, 64		249-0864, 48	
193-0518, 70		200-3160-23, 61		232-4113-02, 64		300-4306, 65, 66	
193-0520, 70		200-3160-25, 61		232-4113-03, 64		300-4308-01, 65, 66	
193-0522, 70		200-3160-31, 61		232-4113-04, 64		300-4308-02, 65, 66	
193-0524, 70		200-3160-33, 61		232-4113-05, 64		300-4308-03, 65, 66	
200-3151-05, 60		200-3160-35, 61		232-4114-01, 11		300-4985-01, 83	
200-3151-07, 60		200-3161-01, 61		232-4114-02, 11		300-4985-02, 83	
200-3151-08, 60		200-3161-03, 61		232-4114-03, 11		300-4985-03, 83	
200-3152-05, 60		200-3161-11, 61		232-4114-04, 11		300-4985-04, 83	
200-3152-07, 60		200-3161-21, 61		232-4114-05, 11		300-5127-02, 80	
200-3152-08, 60		200-3161-31, 61		232-4129, 5		300-5145, 88	
200-3153-05, 60		200-3161-33, 61		232-4130, 5		300-5627, 101	
200-3153-07, 60		200-3161-35, 61		249-0805, 80		300-5644, 87	
200-3153-08, 60		200-3162-01, 61		249-0806, 80		300-5647, 80	
200-3154-05, 60		200-3162-03, 61		249-0813, 69, 83, 84		300-5648, 101	
200-3154-07, 60		200-3162-11, 61		249-0814, 69, 83, 84		300-5649, 101	
200-3154-08, 60		200-3162-21, 61		249-0815, 83		300-5650, 101	
200-3155-05, 60		200-3162-31, 61		249-0816, 83		300-5651, 101	
200-3155-15, 60		200-3162-33, 61		249-0817, 84		300-5715, 87	
200-3156-05, 60		200-3162-35, 61		249-0818, 84		300-5716, 87	
200-3156-15, 60		200-3163-01, 61		249-0819, 69, 84		300-5720, 80	
200-3157-05, 60		200-3163-03, 62		249-0820, 87		300-5732, 80	
200-3157-15, 60		200-3163-05, 62		249-0821, 87		300-5734, 80	
200-3158-05, 60		200-3163-15, 62		249-0823, 87		300-5737, 80, 87	
200-3158-15, 60		200-3164-01, 62		249-0824, 87		300-5830, 87	
200-3159-01, 60		200-3164-03, 62		249-0825, 87		300-5971, 71, 72, 73, 74	
200-3159-02, 60		200-3164-05, 62		249-0826, 87		300-6013, 103	
200-3159-03, 60		200-3164-15, 62		249-0827, 87		305-0999-02, 55	
200-3159-11, 60		226-4852, 87					

Numerical Index

<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>
305-1000-02, 42		319-4993, 80		330-0141-04, 58		332-3945, 69, 88	
305-1001-02, 42, 46, 48		319-5003, 90		330-0142, 58		332-4011, 69	
305-1004, 55		319-5416-02, 69		331-0576, 97, 99, 101		332-4012, 69	
305-1007, 69, 84		319-5633, 69		331-0577, 37, 41		332-4014, 97, 99	
306-4723, 69, 97, 99		319-5640, 93, 94, 95, 97, 99		331-0591, 80		332-4017, 69	
306-4724, 69, 97, 99		319-5649, 65		331-0592, 80		332-4018, 69	
306-4941, 69		319-5687-02, 73, 94		331-0593, 80		332-4019, 69	
306-4945, 97, 99		320-2139, 97, 99		331-0594, 80		332-4020, 69	
306-4989, 97, 99		320-2163, 101		331-0613-02, 69		332-4021, 69, 97, 99	
307-2998, 80		320-2198, 99		331-0613-04, 69		332-4026, 69, 97, 99	
307-2999, 80		320-2248, 97, 99		331-0623, 69		332-4029-01, 69	
307-3043, 69		320-2268, 97, 99		331-0624, 32		332-4035-02, 88	
307-3044, 69		320-2269, 97		332-3023, 58		332-4071-02, 88	
308-1128, 104		321-0386, 88		332-3024-14, 58		332-4073, 97, 99	
308-1135, 80		321-0392, 88		332-3863, 103		332-4101, 99	
308-1136, 80		321-0394-02, 88		332-3876, 69		332-4102, 97	
308-1137, 80, 89		321-0394-04, 88		332-3877, 69		332-4107, 69	
308-1138, 89		321-0402-01, 65, 66		332-3878, 97, 99		332-4108, 69	
308-1139, 89		321-0408-04, 69		332-3879, 97, 99		332-4114, 66	
308-1184, 69		321-0408-07, 69		332-3882, 69		333-0438-05, 58	
308-1185, 69		323-1591, 69		332-3883, 69		333-0438-06, 58	
308-1198, 75, 76, 77, 78		323-2020, 69		332-3884, 69, 97, 99		333-0670-03, 55	
309-0679, 42		323-2022-01, 69		332-3885, 69, 97, 99		335-0217, 87	
309-0681, 55		323-2022-02, 69		332-3886, 80		337-3582-06, 42, 43, 48	
309-0694, 11		323-2022-03, 69		332-3888, 65, 66		337-3635, 97, 99	
319-4671-02, 43		323-2023, 69		332-3890, 65, 66, 83, 84		337-3636, 97, 99	
319-4680-02, 92		323-2026, 87		332-3894, 101		338-4273, 103	
319-4681-02, 92		323-2028, 89		332-3895, 65, 66, 69, 83, 84, 97, 99		338-4374, 104	
319-4682-02, 71, 92		323-2057, 89		332-3921, 88		338-4543, 75	
319-4683-02, 72, 93		323-2118, 69		332-3922, 88		338-4544, 67	
319-4684-02, 72, 93		323-2119, 69		332-3923-01, 97, 99		338-4545, 59	
319-4685-02, 72, 93		323-2123, 69		332-3923-03, 69, 97, 99		338-4550, 67	
319-4699, 103		323-2124, 69		332-3925, 88		338-4551, 67	
319-4745, 90		323-2125, 69		332-3925-01, 69, 88		338-4552, 59	
319-4751, 87		323-2126, 69		332-3925-04, 69		338-4553, 78	
319-4752, 87		323-2127, 69		332-3926, 97, 99		338-4555, 76, 77	
319-4763, 80, 83		323-2144, 69		332-3927-01, 97		338-4556, 59	
319-4764, 80, 83		323-2145, 69		332-3927-03, 69, 97, 99		350-1245, 69, 80	
319-4863-02, 74, 95		323-2150, 69		332-3934, 88		350-1259, 69	
319-4864-02, 74, 95		323-2227, 69		332-3935, 80		402-0794, 105	
319-4990-01, 90		326-0174, 80, 87		332-3939-17, 69, 97, 99		402-0796, 105	
319-4990-02, 90		326-5853, 80		332-3944, 69, 88		402-0804, 105	
319-4992, 90		330-0141-03, 58					

Numerical Index

<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>
402-0814, 105		501-0907, 51		505-2077, 43		526-0399-54, 37, 38, 41, 75, 76, 77, 78, 83, 97, 99, 102	
403-4767-02, 53		501-0908, 51		505-2083, 42		526-0399-56, 55, 66, 103	
403-4768-02, 53		502-1369, 52		505-2085, 32, 42, 43, 48, 49, 50, 56, 57		526-0399-58, 12, 42, 43, 48, 97, 99	
403-4769-02, 53		502-1433, 46, 48		505-2103, 43		526-0399-59, 71, 72, 73, 74, 92, 93, 94, 95	
403-4770-02, 53		502-1435, 31		505-2139, 52		526-0399-60, 8, 12, 32, 33, 45, 48, 51, 55, 97, 99, 103, 106	
403-4909, 43		502-1440, 31		505-2140, 52		526-0399-62, 37, 38, 41, 42, 43, 45, 46, 52, 55, 72, 93	
403-4910, 43		502-1441, 31, 42		505-2145-02, 51		526-0399-64, 7, 8, 12, 33, 42, 45, 48, 63	
403-4911, 32, 42		502-1442, 49, 50, 56, 57		505-2180, 52		526-0399-65, 15, 19, 23, 27	
403-4913-02, 48		502-1456, 5		505-2203, 30		526-0399-66, 11, 12, 15, 19, 23, 27, 30, 31, 33, 64	
403-4916, 48, 71, 72, 73, 74, 92, 93, 94, 95, 103		502-1458, 52		505-2204, 30		526-0399-70, 5	
403-5027-02, 53		502-1475, 47, 52		505-2225-02, 32		526-0399-72, 5, 15, 23, 63	
403-5333-02, 21		503-1870-16, 15, 19, 23, 27		505-2228, 104		526-2240, 11	
403-5334-02, 21		503-2359, 37, 38, 41, 45		505-2253-02, 32		526-2250, 64	
403-5347-02, 17		503-2364, 37, 38, 41, 45		505-2291, 52		532-0488, 69, 97, 99	
403-5348-02, 17		503-2372, 37, 38, 41, 45		507-0005, 11		560-2110, 80	
403-5882-02, 53		503-2373, 37, 38, 41, 45		508-0228, 58		718-1163, 5	
403-5883-02, 53		503-2374, 38		508-0305-02, 15, 19, 23, 27		718-1176, 5	
403-5965-02, 11, 64		503-2386, 52		508-1119, 65		718-1178, 15, 23, 63	
405-8738, 97		503-2413, 42		509-0394, 30		725-1050, 8	
416-1074, 7		503-2478, 15, 19, 23, 27		509-0395, 30		725-1051, 35	
416-1138, 80, 101		503-2479, 15, 19, 23, 27		509-0433, 33		725-1075, 37, 41, 46	
416-1140, 101		503-2480, 15, 19, 23, 27		509-0434, 33		725-1159, 31	
416-1141, 7		503-2488, 15, 19, 23, 27		509-0437, 35		725-1163, 31	
416-1142, 7		504-0227, 42, 43, 46, 48		512-0238, 63		725-1167, 11, 63	
416-1203, 7		504-0247, 47, 52		512-0239, 63		800-0047, 42	
416-1204, 7		504-0261, 32, 43		512-0267, 11		800-0309-55, 89	
416-1265-02, 106		505-1574, 43, 104		516-2109, 64		800-0309-73, 97, 99	
416-1266-02, 106		505-2041, 55		517-0021, 58		800-0309-77, 83, 97, 99	
416-1267-02, 106		505-2042, 55		517-0377, 69		800-0309-89, 66	
501-0755, 55		505-2048, 42, 51		517-0379, 35		800-0309-90, 55	
501-0758, 42		505-2052, 37, 38, 41		518-0548-58, 51		800-2008, 58	
501-0760, 42		505-2061, 43		518-0601, 4		800-3017-02, 97, 99	
501-0761, 37, 41, 45		505-2062, 37, 38, 41, 45		518-0716, 64		800-3017-03, 12, 42, 43, 48	
501-0762, 43		505-2063, 31		518-0723, 69		800-3017-05, 97, 99	
501-0763, 43		505-2068, 46, 48		518-0724, 69			
501-0765, 38, 48		505-2069, 46, 48		525-0304, 4			
501-0766, 32		505-2070, 42		525-0305, 4			
501-0767, 32		505-2071, 37, 38, 41, 42, 45, 48		525-0306, 4			
501-0768, 31		505-2072, 34		525-0749, 4			
501-0769, 49, 50, 56		505-2073, 34		526-0399-50, 89			
501-0774, 46, 48		505-2074, 47		526-0399-52, 69			
501-0775, 46, 48		505-2076, 55					

Numerical Index

<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>
800-3017-19, 12, 32, 33, 45, 71, 92		800-3017-74, 64		850-0114-50, 69		853-0040-55, 97, 99	
800-3017-21, 51		800-3017-75, 11, 64		850-0114-51, 75, 76, 77, 78, 83, 97, 99		856-0023, 97, 99	
800-3017-22, 32, 72, 74, 93, 94, 95		800-3017-76, 15, 19, 23, 27		850-0114-52, 55, 66, 103		860-2005, 58	
800-3017-23, 73		800-3017-77, 30		850-0114-53, 12, 42, 43, 48, 97, 99		860-2006, 58	
800-3017-37, 38		800-3017-81, 15, 19		850-0114-54, 8, 12, 32, 33, 35, 45, 48, 51, 55, 71, 72, 73, 74, 92, 93, 94, 95, 97, 99, 103, 106		860-2015, 11	
800-3017-38, 45, 52		800-3017-95, 64		850-0114-55, 37, 38, 41, 42, 43, 45, 46, 52, 55, 72, 93		860-2072, 64	
800-3017-40, 43, 72, 93		800-3017-99, 11		850-0114-56, 7, 8, 12, 15, 19, 23, 27, 33, 42, 45, 48, 63, 102		862-0026-50, 89	
800-3017-53, 7		800-6309, 11		850-0114-57, 11, 12, 15, 19, 23, 27, 30, 31, 33, 64		862-0026-52, 37, 38, 41	
800-3017-54, 12		800-6355, 64		850-0114-58, 5		862-0026-53, 55	
800-3017-55, 33, 45		802-2507, 55		850-0114-59, 5, 15, 23, 63		862-0026-54, 97, 99	
800-3017-56, 33		802-2535-05, 42		850-2003, 58		862-0026-55, 48, 51, 55, 71, 72, 73, 74, 92, 93, 94, 95, 97, 99, 103	
800-3017-57, 8, 15, 19, 23, 27, 102		815-1540-05, 69		850-2004, 58		862-0026-56, 37, 38, 41, 43	
800-3017-58, 63		815-1540-18, 76, 77, 78, 97		850-2005, 58		862-0026-57, 8, 15, 19, 23, 27, 45, 48, 102	
800-3017-59, 48, 102		815-1540-19, 37, 38, 41		850-2026, 11		862-0026-58, 15, 19, 23, 27, 30, 31	
800-3017-63, 11		815-1540-20, 75		850-2028, 64		862-0026-59, 5	
800-3017-70, 12		815-1540-33, 103				865-0031, 106	
800-3017-71, 33		818-0231-02, 87				872-0024, 97	
800-3017-73, 33		822-3047, 58				898-1254-25, 58	
		822-3075, 58					
		826-0026-55, 32					



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