Parts Manual

Generator Set

QSK60G Engine with PowerCommand® 3.3 Control

C995 N5C & C995 N5C (Spec B)
C1160 N5C & C1160 N5C (Spec B)
C1200 N5C & C1200 N5C (Spec B)
C1400 N5C & C1400 N5C (Spec B)
C1000 N6C & C1000 N6C (Spec B)
C1100 N6C & C1100 N6C (Spec B)
C1400 N6C & C1400 N6C (Spec B–C)
C1000 N6 & C1000 N6 (Spec B–C)
C1250 N6 & C1250 N6 (Spec B–C)
C1350 N6 & C1350 N6 (Spec B–C)

English
Original Instructions
5-2020
A029C810 (Issue 10)

MODEL IDENTIFICATION

This catalog covers models produced under the Cummins brand names.

To avoid errors or delay in filling your parts order, always give the MODEL, SPEC NO. and SERIAL NO. from the Cummins 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 manuals to alert users to the potentially dangerous conditions relating to maintenance of equipment and replacement of parts. Please read and observe.

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

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

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

PRODUCT SAFETY PRECAUTIONS

⚠WARNING

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

⚠WARNING

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

⚠WARNING

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

⚠WARNING

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

Introduction

This manual applies to Cummins Power Generation Generator Models C995 N5C – C1400 N6C. 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 manual. 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.

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Abbreviations

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

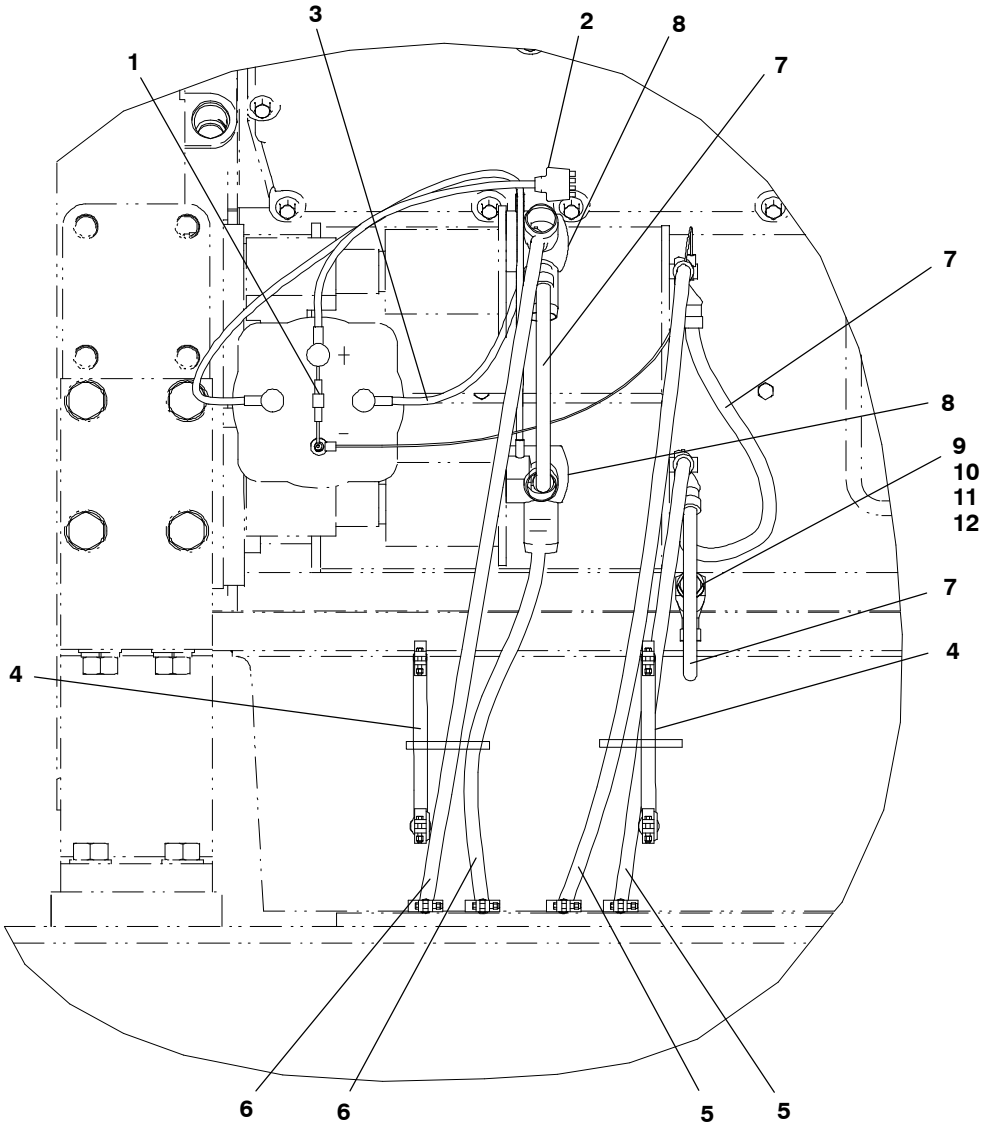
AC	Alternating Current	mm	Millimeter
Amp	Ampere	MOH	Mobile Off Highway
A/R	As Required	NFS	Not For Sale
AVR	Automatic Voltage Regulator	NPT	National Pipe Thread
AWG	American Wire Gauge	OD	Outside Diameter
DC	Direct Current	oz.	Ounce
Deg	Degree	PC	Printed Circuit
EFC	Electronic Fuel Control	Ph	Phase
EIT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

Paint and Thread Sealant

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

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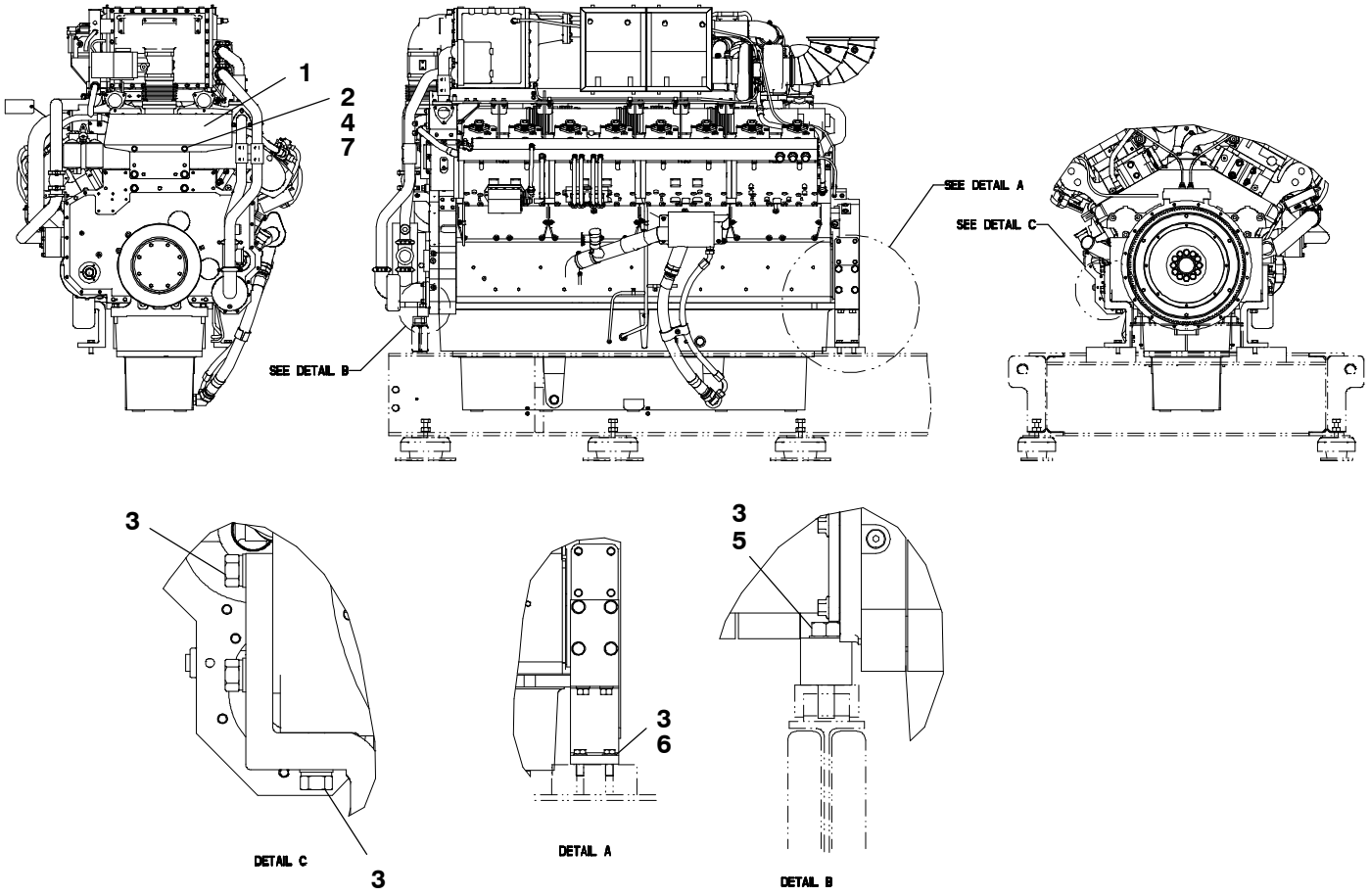
Starter Cables



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338–3894	1	Harness, Diode
2	338–4370	1	Harness, Starter
3	338–4422	1	Harness, Starter
4	416–0446	2	Cable, Jumper
5	416–0639	2	Cable, Battery (–ve)
6	416–0639	2	Cable, Battery (+ve)
7	416–0680	3	Cable, Starter
8	416–1074	2	Boot, Terminal – Starter Motor
9	526–0399–64	1	Washer, Flat (M12)
10	800–3017–53	1	Screw, Hex Head (M12 x 1.75 x 25)
11	850–0114–56	1	Washer, Lock – Spring (M12)
12	853–0040–57	1	Washer, Lock – W/ET (M12)

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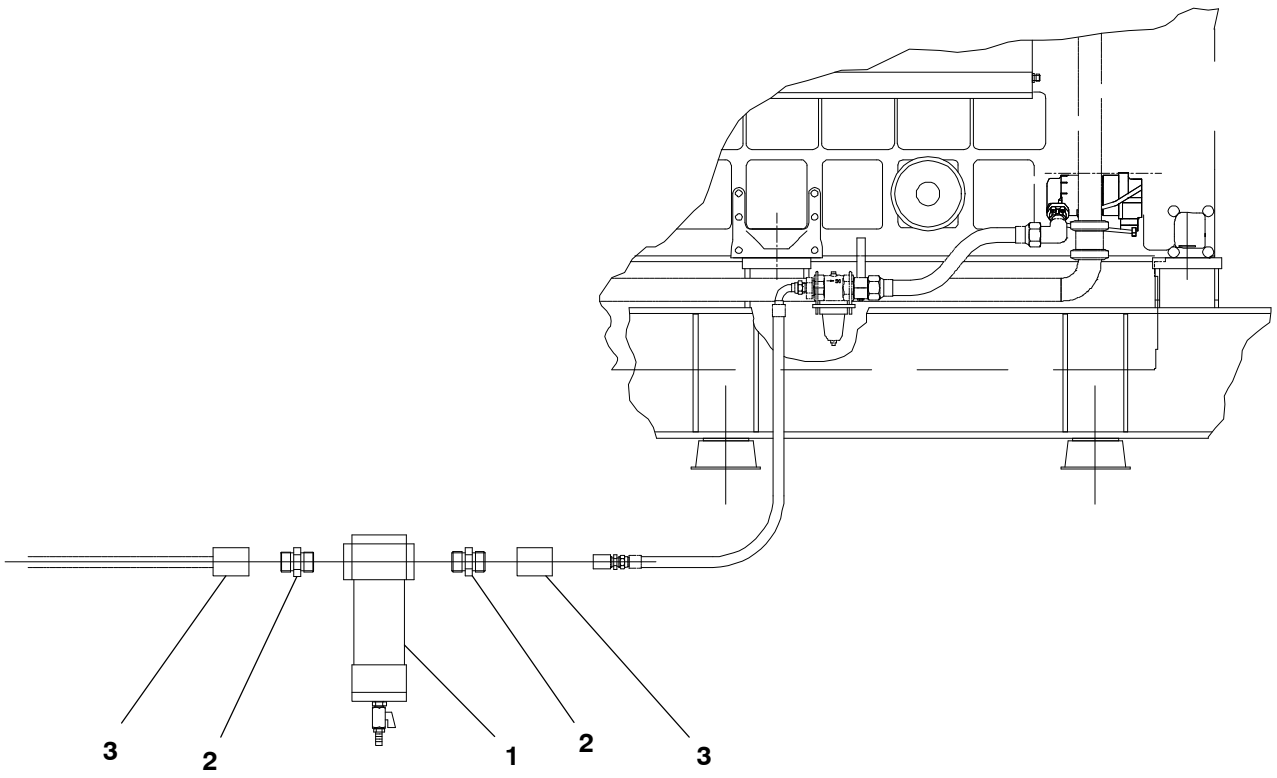
Engine Mounting



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	148–1286–02	1	Guard, Regulator
2	526–0399–66	2	Washer, Flat (M16)
3	526–0399–70	6	Washer, Flat (M20)
4	800–3017–73	2	Screw, Hex Head (M16 x 2.0 x 45)
5	800–3017–97	2	Screw, Hex Head (M20 x 2.5 x 90)
6	800–3017–93	4	Screw, Hex Head (M20 x 2.5 x 70)
7	850–0114–57	2	Washer, Lock (M16)

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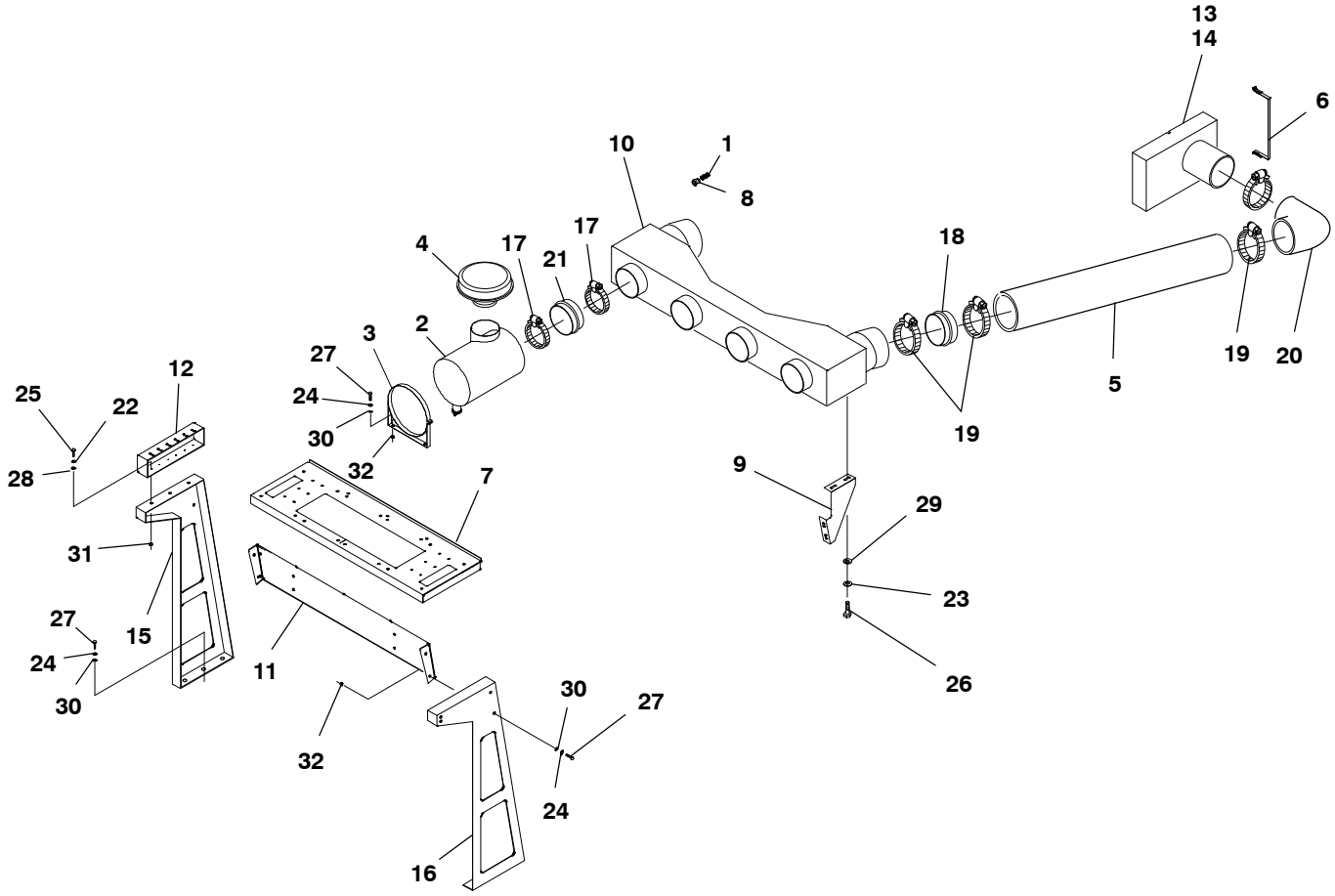
Air Start
C1000 N6, C1160 N5C, C1250 N6, C1350 N6, C1400 N6C



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140–3454	1	Cleaner, Air
2	505–2085	2	Adapter, Pipe
3	502–1442	2	Adapter, Hose

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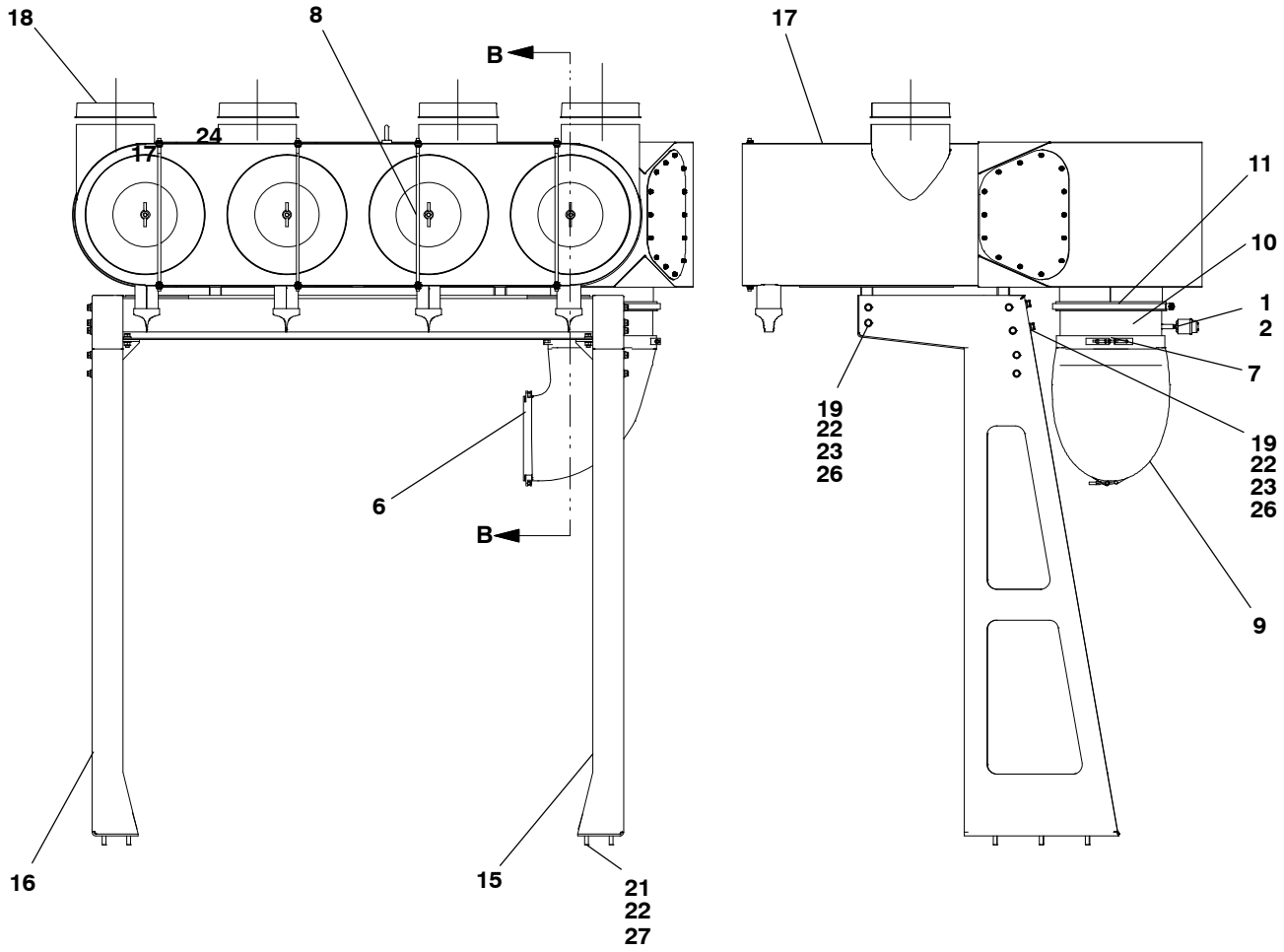
Air Cleaner
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C1000 N6, C1160 N5C, C1250 N6, C1350 N6, C1400 N6C

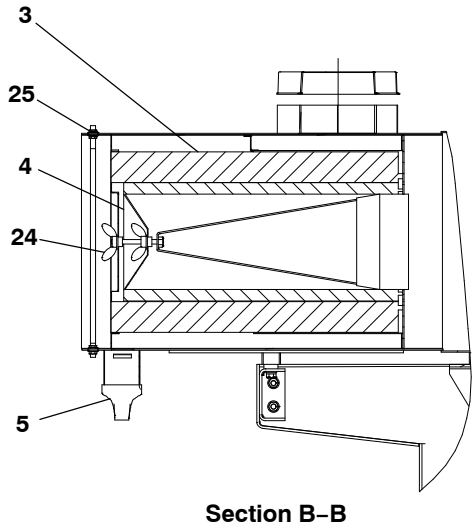


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140–1260	2	Fitting, Safety Filter
2	140–3230	4	Cleaner, Air – 8” Outlet
	AF25544	4	Element, Primary
	AF25545	4	Element, Safety
3	140–3357	8	Band, Air Cleaner
4	140–3370	4	Cap, Rain
5	140–3629–40	2	Tube, Air Cleaner
6	140–3725	4	Clamp, Air Cleaner
7	140–3735–02	1	Base, Air Cleaner (Tray)
8	140–3764	2	Indicator, Service
9	140–3967–02	2	Bracket, Air Cleaner
10	140–3968–02	1	Baffle, Air Cleaner
11	140–3970–02	1	Base, Air Cleaner (Cross Beam)
12	140–3980–02	2	Bracket, Air Cleaner (Channel Section)
13	140–3982–02	1	Adapter, Air Cleaner (Left Hand)
14	140–3983–02	1	Adapter, Air Cleaner (Right Hand)
15	140–3995–02	1	Bracket, Air Cleaner
16	140–3996–02	1	Bracket, Air Cleaner
17	503–1870–15	8	Clamp, Hose
18	503–2478	2	Hose, Intake (10” x 10” Hump)
19	503–2479	8	Clamp, Hose (250mm–280mm)
20	503–2480	2	Elbow, Hose (10” x 90°)
21	503–2508	4	Hose, Air – Hump (8” x 8”)
22	526–0399–60	24	Washer, Flat (M8)
23	526–0399–62	4	Washer, Flat (M10)
24	526–0399–64	62	Washer, Flat (M12)
25	800–3017–21	12	Screw, Hex Head (M8 x 1.25 x 30)
26	800–3017–35	4	Screw, Hex Head (M10 x 1.5 x 16)
27	800–3017–56	34	Screw, Hex Head (M12 x 1.75 x 40)
28	850–0114–54	24	Washer, Lock (M8)
29	850–0114–55	4	Washer, Lock (M10)
30	850–0114–56	38	Washer, Lock (M12)
31	862–0026–55	12	Nut, Hex (M8)
32	862–0026–57	28	Nut, Hex (M12)

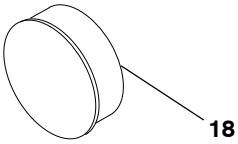
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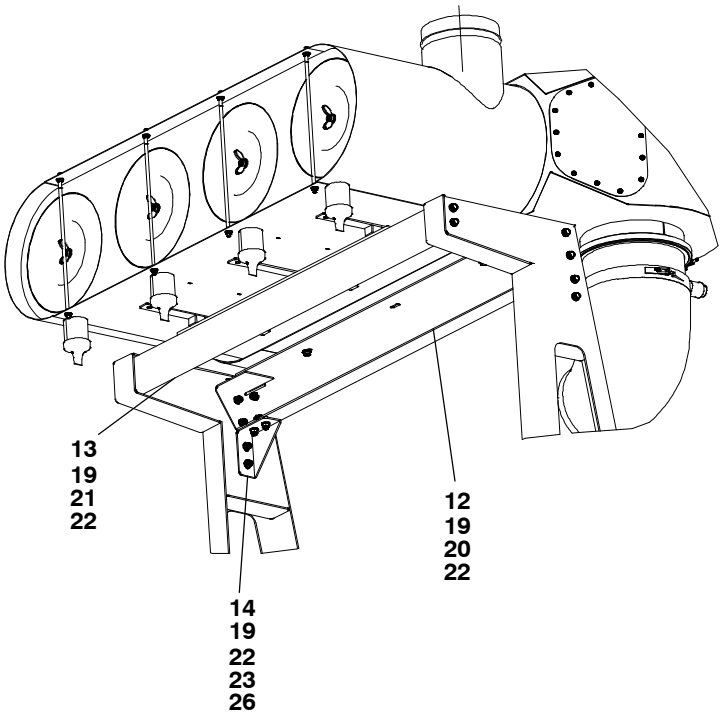
Air Cleaner
Heavy Duty
C995 N5C, C1000 N6C, C1100 N6C, C1200 N5C, C1400 N5C





Section B–B





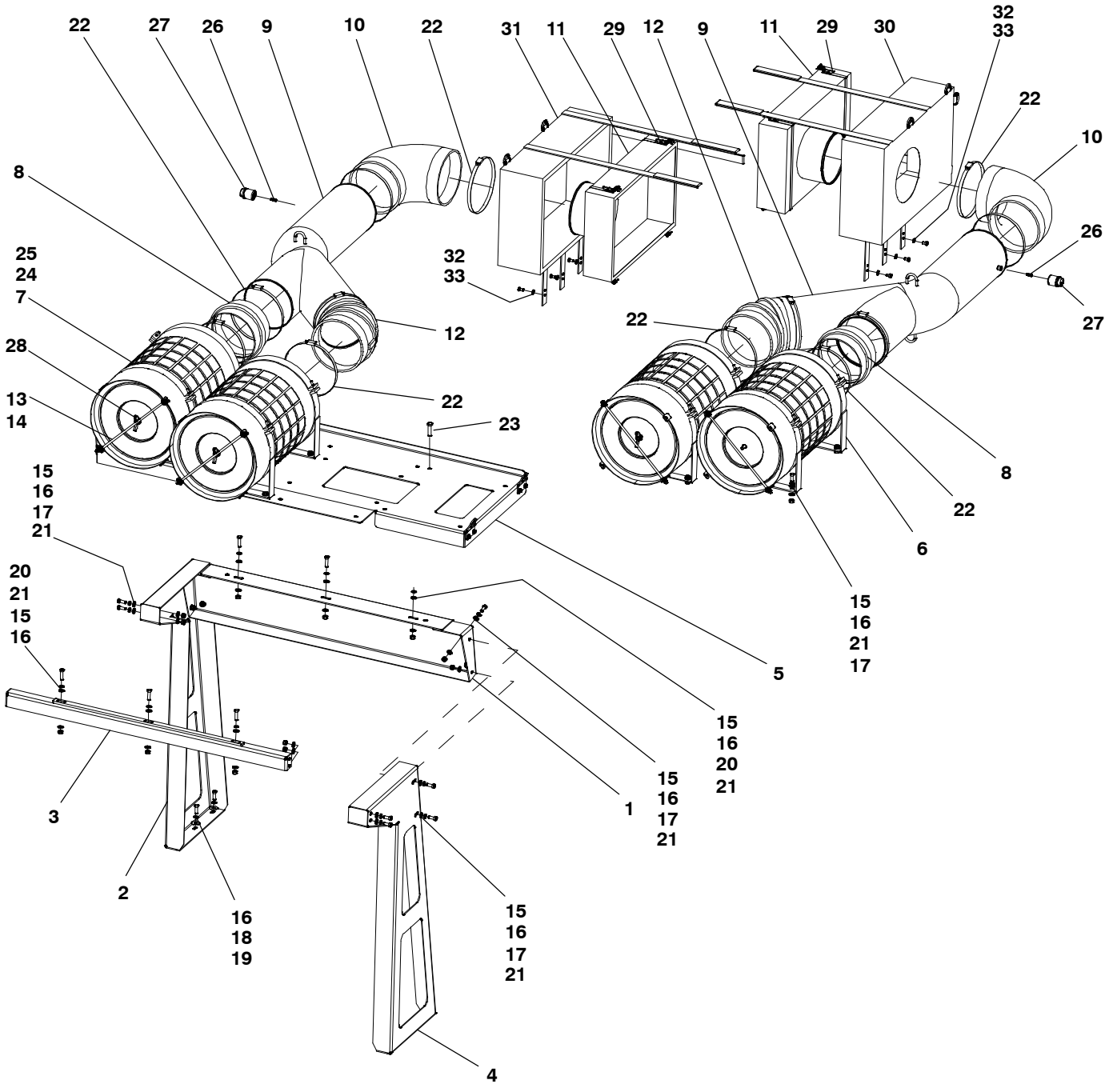
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Air Cleaner
Heavy Duty
C995 N5C, C1000 N6C, C1100 N6C, C1200 N5C, C1400 N5C

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140–1260	1	Fitting, Filter
2	A040K323	1	Indicator, Restriction
3	140–3813	4	Element, Primary (AF25544)
4	140–3814	4	Element, Safety (AF25545)
5	140–3815	4	Filter, Air
6	140–4036	1	Clamp, Air Cleaner
7	140–4037	1	Clamp, Air Cleaner
8	140–4064–02	4	Element, Air Cleaner (Retaining Rod)
9	140–4109	1	Adapter, Air Cleaner
10	140–4110–02	1	Adapter, Air Cleaner
11	140–4112	1	Band, Air Filter
12	140–4114–02	1	Bracket, Air Filter
13	140–4115–02	1	Bracket, Air Filter
14	140–4116–02	2	Bracket, Air Filter
15	140–4117–02	1	Filter, Air
16	140–4118–02	1	Filter, Air
17	140–4122	1	Housing, Air Filter
18	517–0415	4	Plug, Cap
19	526–0399–64	44	Washer, Flat (M12)
20	800–3017–54	2	Screw, Hex Head (M12 x 1.75 x 30)
21	800–3017–56	14	Screw, Hex Head (M12 x 1.75 x 40)
22	850–0114–56	36	Washer, Lock (M12)
23	800–0026–57	20	Nut, Hex (M12)
24	865–0033	8	Nut, Wing (1/2” x 13)
25	870–2056	16	Nut, Lock – Flange (M10 x 1.5)
26	800–3017–55	20	Screw, Hex Head
27	526–0399–65	12	Washer, Flat
28	140–4054–02	1	Bracket, Air Cleaner

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Air Cleaner
Used With Low Rise Skid



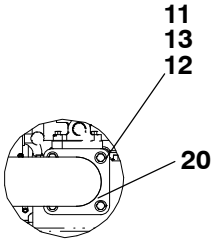
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Air Cleaner
Used With Low Rise Skid

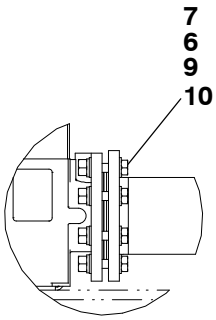
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	A044Y575	1	Bracket, Support
2	A043A589	1	Bracket, Support
3	A043A742	1	Bracket, Support
4	A043A591	1	Bracket, Support
5	A044G066	1	Bracket, Air Filter
6	0140–3357	8	Band, Mounting
7	A043A687	4	Cleaner, Air
8	0503–2478	2	Hose
9	A044G064	2	Tube, Air
10	0503–2480	2	Hose
11	0140–4149–02	2	Filter, Air
12	A043B502	2	Hose, Hump
13	A043A961	4	Rod, Air Inlet
14	0870–2065–04	16	Nut, Hex
15	0526–0399–64	68	Washer, Flat
16	0850–0114–56	40	Washer, Lock
17	0800–3017–54	26	Screw, Hex Head
18	0526–0399–65	6	Washer, Flat
19	0800–3017–55	6	Screw, Hex Head
20	0800–3017–57	6	Screw, Hex Head
21	0862–0026–57	34	Nut, Hex
22	0503–2479	12	Clamp, Hose
23	0800–3017–56	2	Screw, Hex Head
24	0140–3814	4	Element, Safety (AF25545)
25	0140–3813	4	Element, Primary (AF25544)
26	0140–1260	2	Fitting, Filter
27	A040K323	2	Indicator, Restriction
28	0865–0033	8	Nut, Wing
29	0140–3725	4	Clamp
30	A046J902	1	Cover, Inlet
31	A046J904	1	Cover, Inlet
32	0526–0399–62	6	Washer, Flat
33	0800–3017–35	6	Screw, Hex Head

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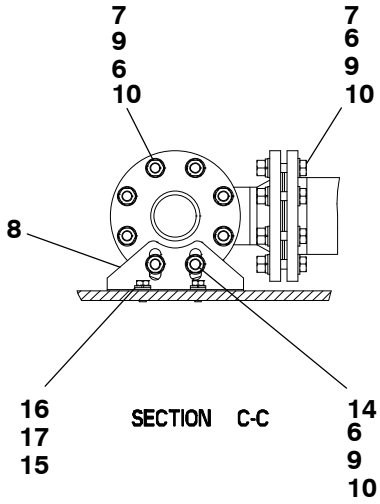
Gas Valve



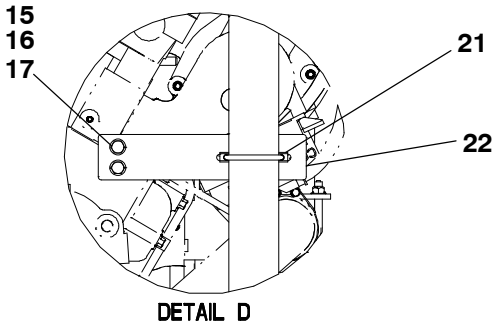
DETAIL A



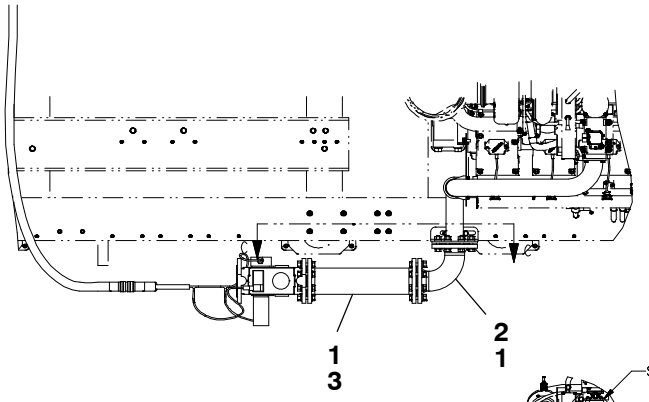
DETAIL B

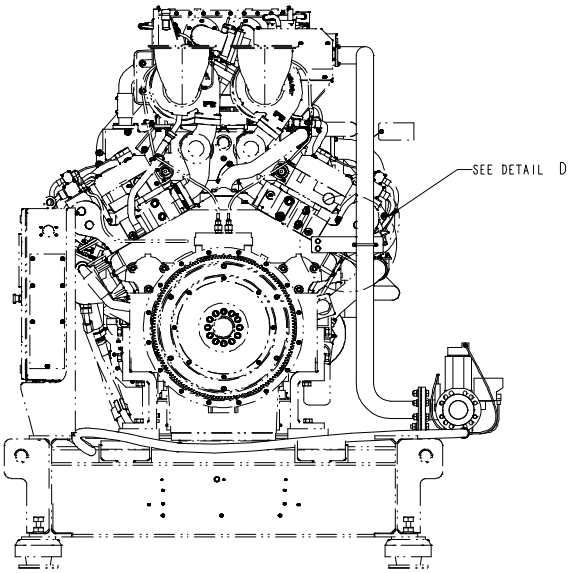


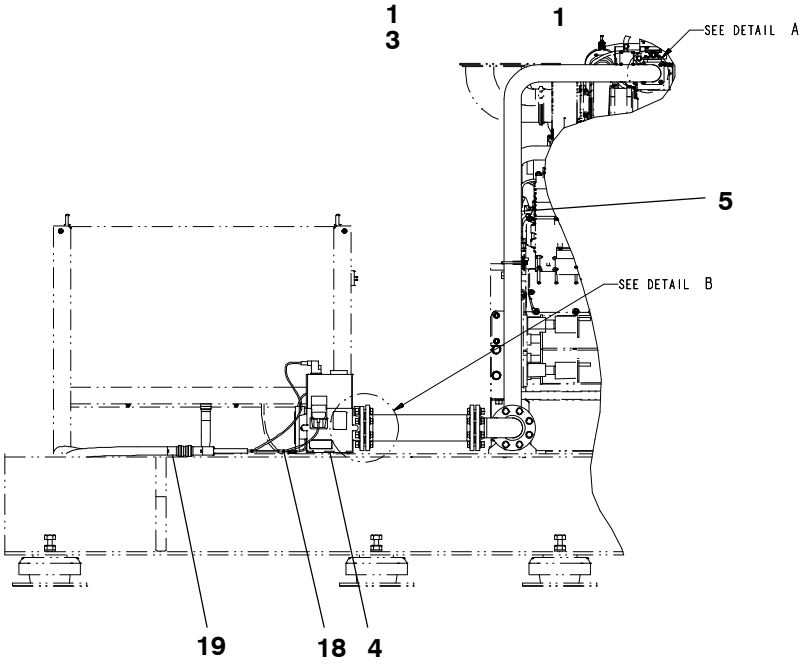
SECTION C-C



DETAIL D







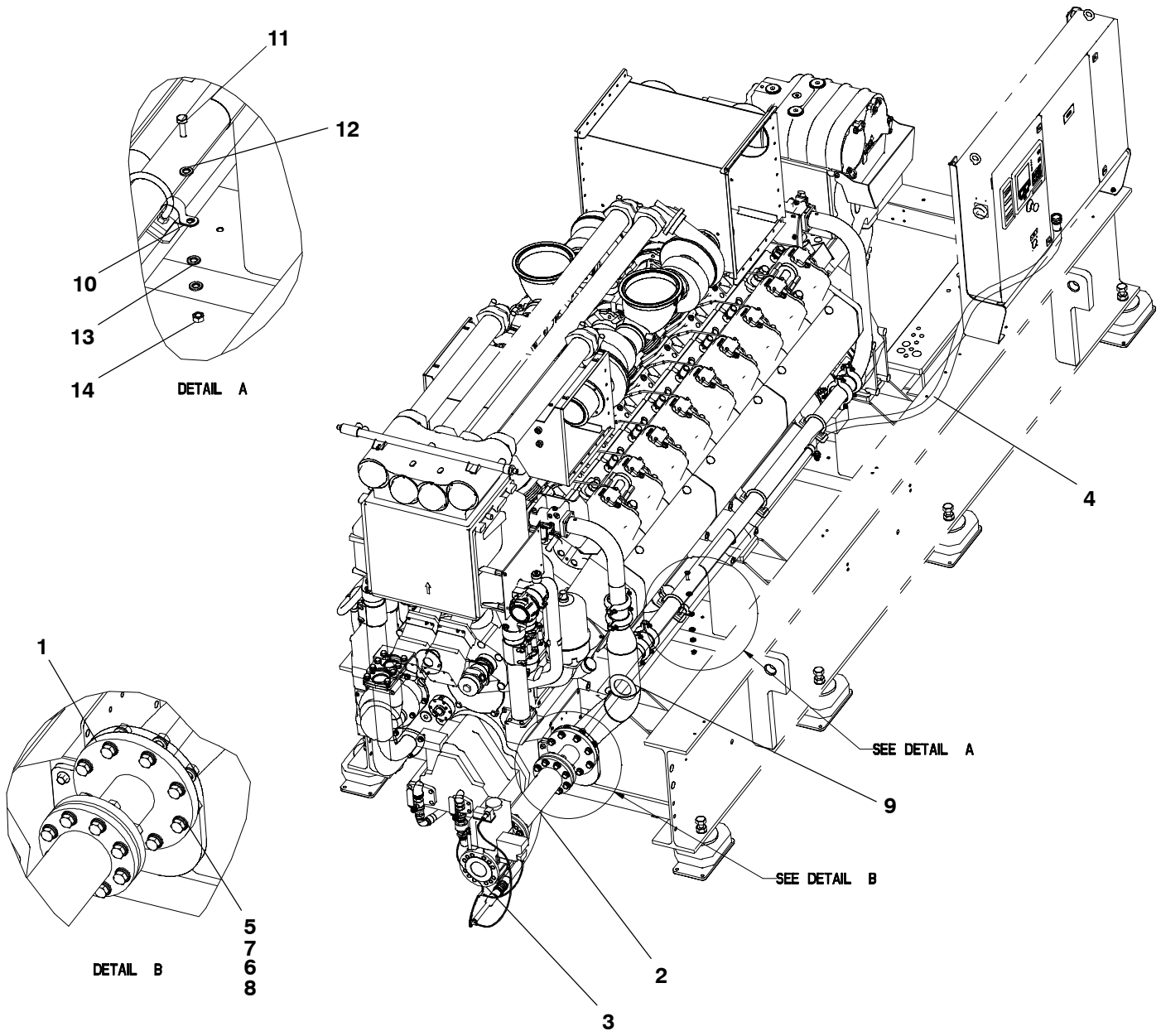
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Gas Valve

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155–4109	3	Gasket, Flange
2	504–2174	1	Elbow, Pipe – Gas Connector
3	501–0838	1	Line, Fuel
4	504–0262	1	Valve, Solenoid (Includes VPS Module and VPS Filter Kit)
5	501–0846	1	Line, Fuel
6	526–0399–66	48	Washer, Flat (M16)
7	800–3017–76	22	Screw, Hex Head
8	148–1326–02	1	Bracket
9	850–0114–57	24	Washer, Lock (M16)
10	862–0026–58	24	Nut, Hex (M16)
11	526–0399–60	6	Washer, Flat (M8)
12	850–0114–54	6	Washer, Lock (M8)
13	800–3017–21	4	Screw, Hex Head
14	800–3017–78	2	Screw, Hex Head (M16 x 2.00 x 70)
15	526–0399–64	4	Washer, Flat (M12)
16	850–0114–56	4	Washer, Lock (M12)
17	800–3017–53	4	Screw, Hex Head
18	338–4431	1	Harness, Valve
19	338–4432	1	Harness, Wiring
20	154–3182	1	Gasket, Manifold
21	155–4180	1	Clamp
22	148–1280–02	1	Bracket

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Gas Valve



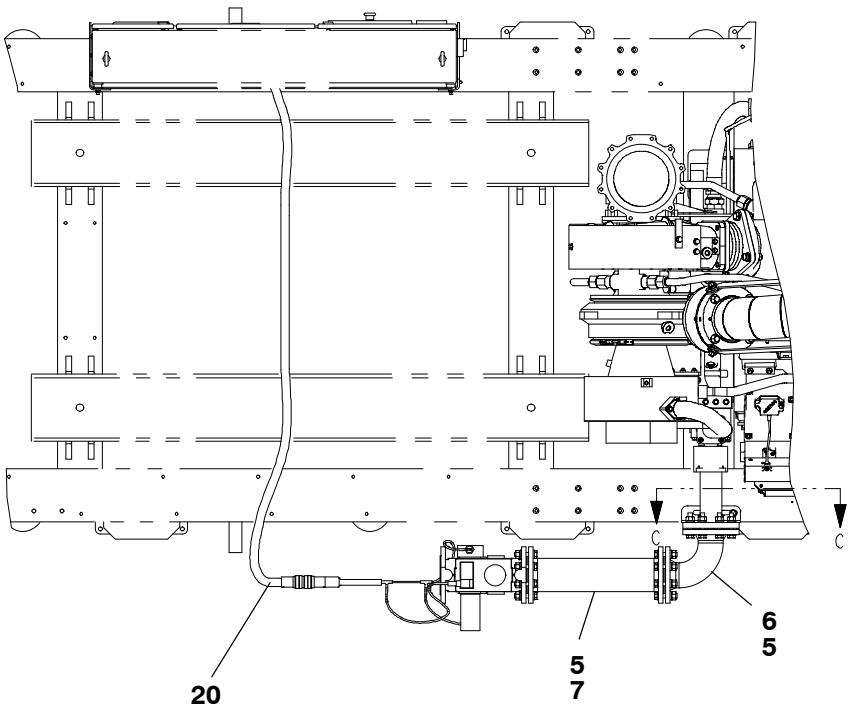
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	505–2325–02	1	Adapter, Pipe
2	501–0838	1	Line, Fuel
3	504–0262	1	Valve, Solenoid
4	338–4432	1	Harness, Wiring
5	526–0399–66	48	Washer, Flat (M16)
6	850–0114–57	48	Washer, Lock (M16)
7	800–3017–78	24	Screw, Hex Head (M16 x 2.00 x 70)
8	862–0026–58	24	Nut, Hex (M16)
9	155–4109	3	Gasket, Flange
10	518–0548–43	3	Clamp, Hose
11	800–3017–55	3	Screw, Hex Head (M12 x 1.75 x 35)
12	526–0399–64	6	Washer, Flat (M12)
13	850–0114–56	3	Washer, Lock (M12)
14	862–0026–57	3	Nut, Hex

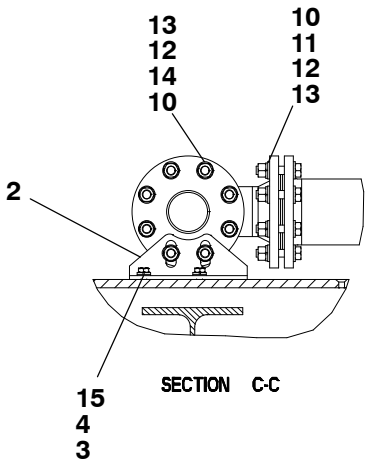
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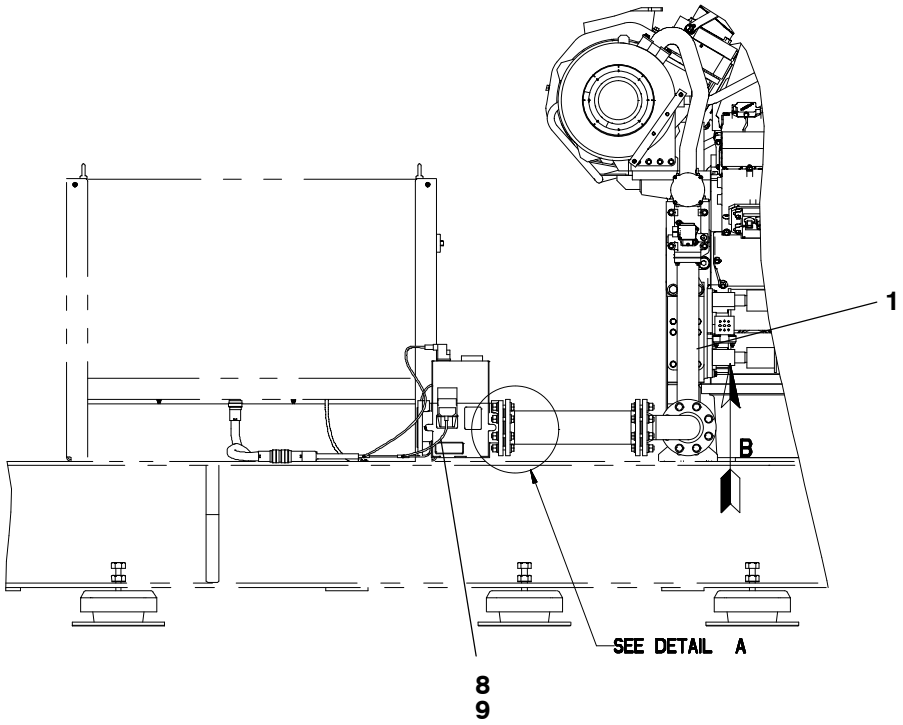
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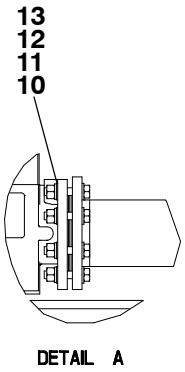
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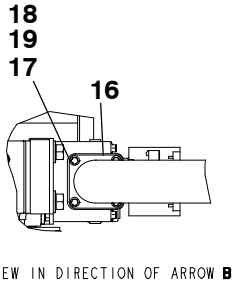
Gas Valve
3”











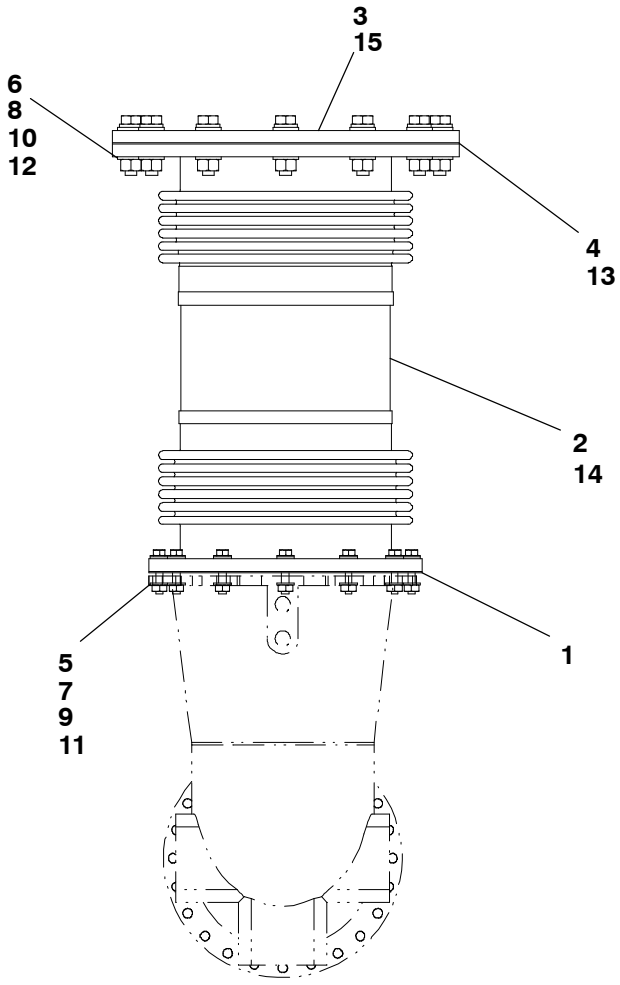
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Gas Valve
3”

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	501–0973–02	1	Line, Fuel Inlet
2	148–1326–02	1	Bracket
3	526–0399–64	2	Washer, Flat (M12)
4	850–0114–56	2	Washer, Lock (M12)
5	155–4109	3	Gasket, Flange
6	505–2174	1	Elbow, Pipe
7	501–0838	1	Line, Fuel
8	338–4431	1	Harness, Valve
9	504–0262	1	Valve, Solenoid (Includes VPS Module and VPS Filter Kit)
10	526–0399–66	48	Washer, Flat (M16)
11	800–3017–78	16	Screw, Hex Head (M16 x 2.00 x 70)
12	850–0114–57	24	Washer, Lock (M16)
13	862–0026–58	24	Nut, Hex (M16)
14	800–3017–80	8	Screw, Hex Head
15	800–3017–53	2	Screw, Hex Head
16	154–3182	1	Gasket, Manifold
17	526–0399–60	4	Washer, Flat
18	850–0114–54	4	Washer, Lock
19	800–3017–21	4	Screw, Hex Head
20	338–4432	2	Harness, Extension

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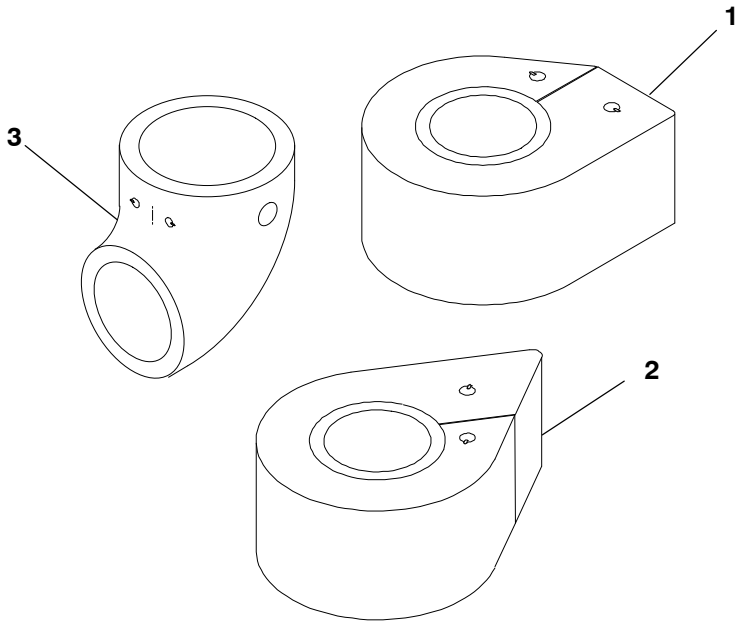
Exhaust Kit
C995 N5C, C1000 N6C, C1100 N6C, C1200 N5C, C1400 N5C



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155–4601	1	Gasket, Exhaust
2	155–4717	1	Adapter, Exhaust (10” ANSI Flange)
3	155–4734	1	Flange, Exhaust (10” ANSI Flange)
4	155–4735	1	Gasket, Exhaust (10” ANSI Flange)
5	526–0399–62	24	Washer, Flat (M10)
6	526–0399–66	24	Washer, Flat (M16)
7	800–3017–41	12	Screw, Hex Head (M10 x 1.5 x 45)
8	800–3017–76	12	Screw, Hex Head (M16 x 2.0 x 60)
9	850–0114–55	12	Washer, Lock (M10)
10	850–0114–57	12	Washer, Lock (M16)
11	862–0026–56	12	Nut, Hex (M10)
12	862–0026–58	12	Nut, Hex (M16)
13	155–3704	1	Gasket, Exhaust (10” BS Flange)
14	155–4614	1	Adapter, Exhaust (10” BS Flange)
15	155–4736	1	Flange, Exhaust (10” BS Flange)

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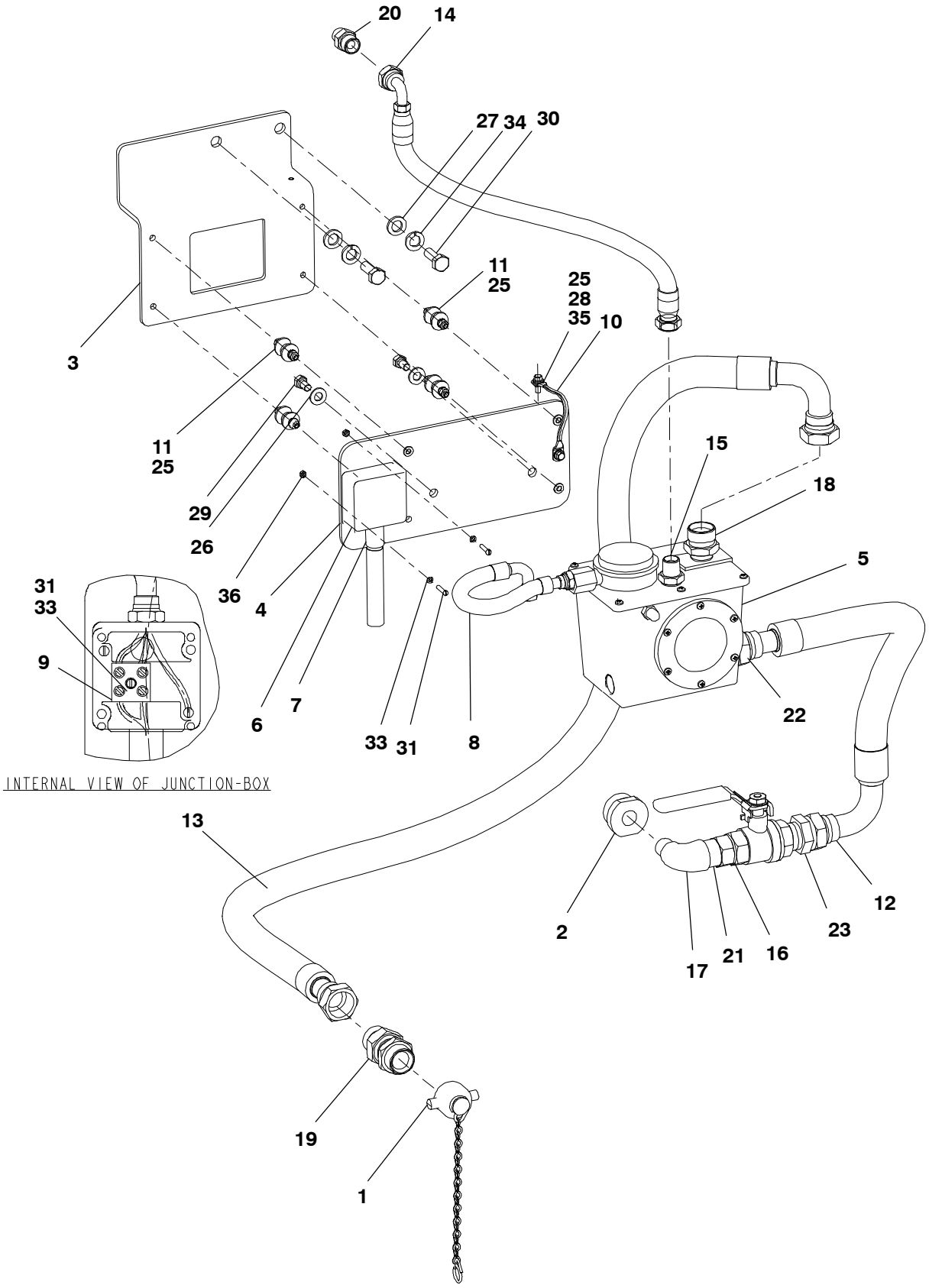
Heat Shield
C1000 N6, C1160 N5C, C1250 N6, C1350 N6, C1400 N6C



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155–4470	1	Insulation, Exhaust – Turbo – Left
2	155–4471	1	Insulation, Exhaust – Turbo – Right
3	155–4472	2	Insulation, Exhaust – Elbow

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Oil System
Oil Make-Up



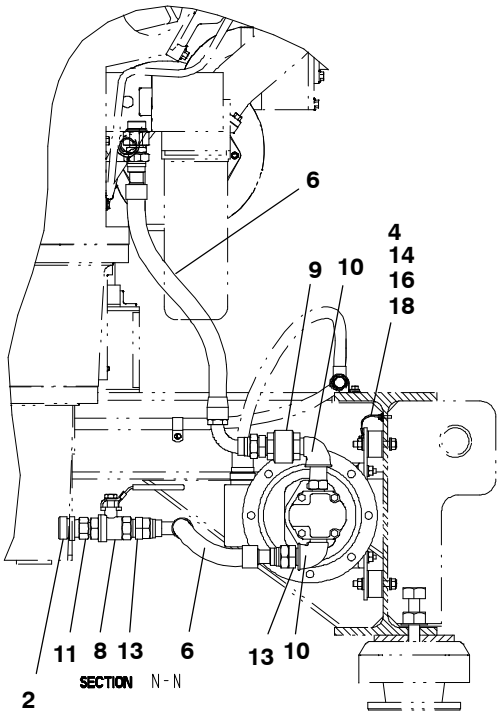
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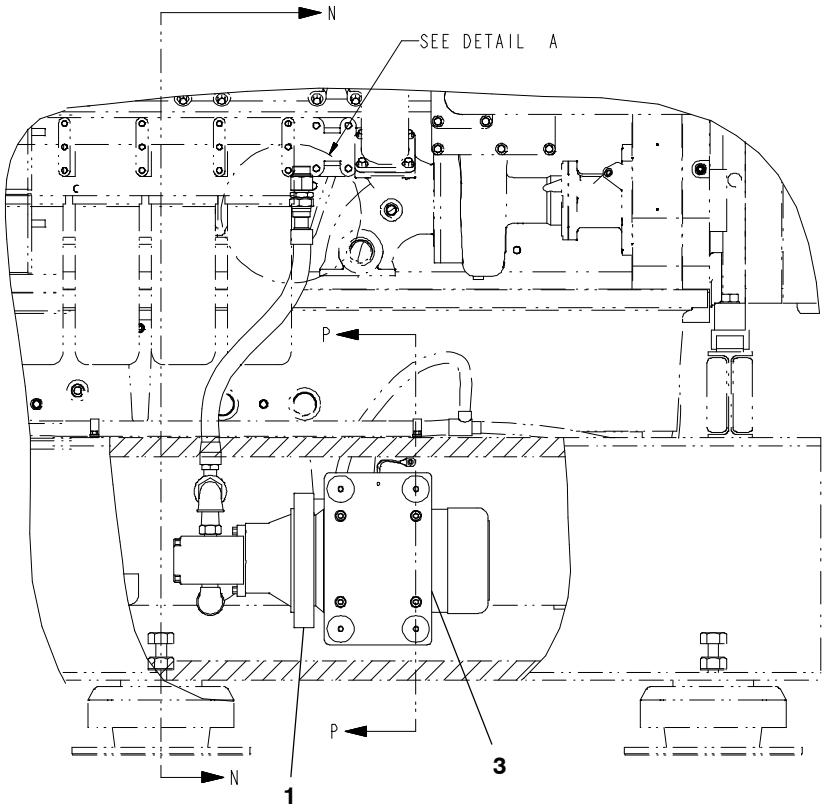
Oil System
Oil Make-Up

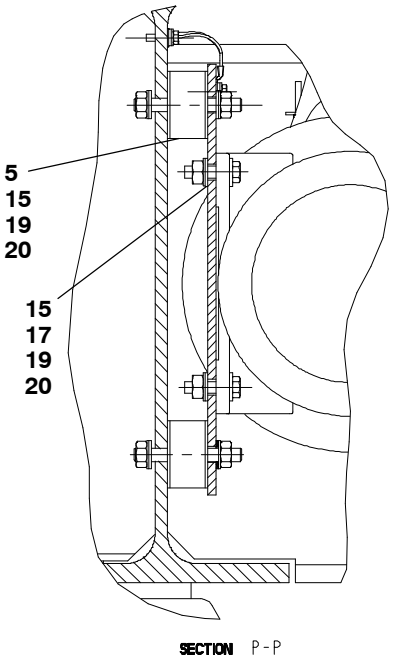
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	123–2198	1	Cap, Oil Fill
2	231–0402–02	1	Adapter (M42 x 3/4)
3	305–1019–02	1	Bracket, Oil Make-Up Support
4	305–1032–02	1	Bracket, Regulator
5	309–0679	1	Switch, Level
6	330–0159	1	Box, Junction
7	331–0614	1	Adapter, Conduit
8	331–0617	1	Conduit (Oil Make-Up)
9	332–3023	1	Block, Terminal
10	337–3582–06	1	Strap, Ground
11	403–4911	4	Pad, Mounting
12	501–0760	1	Hose
13	501–0767	1	Hose
14	501–0781	1	Hose
15	502–1441	1	Adapter, Hose
16	504–0227	1	Valve, Ball
17	505–1574	1	Elbow, Pipe (3/4”) – 90°
18	505–2048	1	Adapter, Pipe (1/2” x 1”)
19	505–2070	1	Adapter, Pipe (1”)
20	505–2074	1	Adapter, Pipe (M18)
21	505–2077	1	Adapter, Pipe (1” x 3/4”)
22	505–2083	1	Adapter, Pipe
23	505–2085	1	Adapter, Pipe
24	526–0399–58	10	Washer, Flat (M6) (Not Shown)
25	526–0399–62	2	Washer, Flat (M10)
26	526–0399–64	2	Washer, Flat (M12)
27	800–3017–03	2	Screw, Hex Head (M6 x 1.0 x 16)
28	800–3017–35	2	Screw, Hex Head (M10 x 1.5 x 16)
29	800–3017–54	2	Screw, Hex Head (M12 x 1.75 x 30)
30	815–1540–08	1	Screw, Slotted Head (M3 x 20)
31	815–1540–21	2	Screw, Slotted Head (M4 x 20)
32	850–0114–50	1	Washer, Lock (M3) (Not Shown)
33	850–0114–51	2	Washer, Lock (M4)
34	850–0114–53	2	Washer, Lock (M6)
35	850–0114–56	2	Washer, Lock (M12)
36	862–0026–52	2	Nut, Hex (M4)

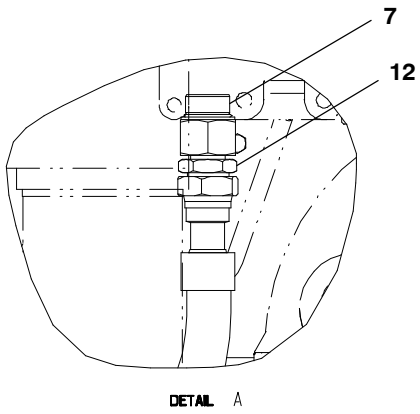
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Oil System
Priming
C1000 N6, C1160 N5C, C1250 N6, C1350 N6, C1400 N6C









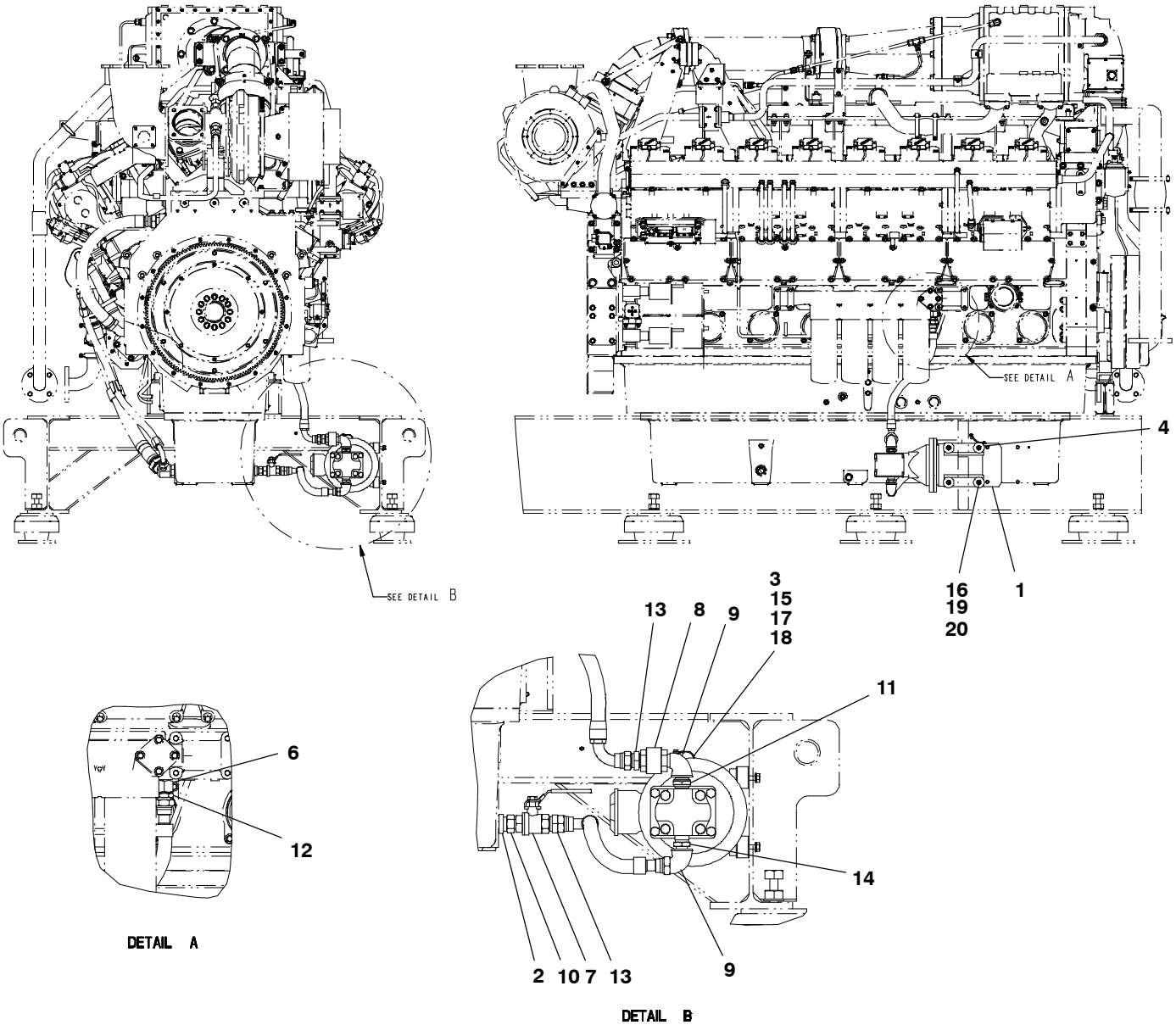
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Oil System
Priming
C1000 N6, C1160 N5C, C1250 N6, C1350 N6, C1400 N6C

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	120–1351	1	Pump, Oil – Prelube (EBU Part Number 3424580) (Includes the Next Four Indented Items)
	120–1374	1	Pump, Oil (Electric Motor)
	120–1375	1	Pump, Oil (Gear Pump)
	120–1376	1	Pump, Oil (Bell Housing)
	120–1377	1	Pump, Oil (Coupling Set)
2	231–0402–02	1	Adapter, Pipe (M42 x 3/4”)
3	319–4671–02	1	Plate, Mounting
4	337–3582–06	1	Strap, Ground
5	403–4910	4	Pad, Mounting – Purple
6	501–0760	2	Hose
7	502–1326	1	Adapter, Pipe (M33 x 3/4”)
8	504–0227	1	Valve, Ball
9	504–0261	1	Valve, Check
10	505–2061	2	Adapter, Pipe (1” – 90°)
11	505–2077	2	Adapter, Pipe (1” x 3/4”)
12	505–2083	1	Adapter, Pipe (3/4” x 1”)
13	505–2085	3	Adapter, Pipe (1” x 1”)
14	526–0399–58	2	Washer, Flat (M6)
15	526–0399–62	16	Washer, Flat (M10)
16	800–3017–04	2	Screw, Hex Head (M6 x 1.0 x 20)
17	800–3017–39	4	Screw, Hex Head (M10 x 1.5 x 35)
18	850–0114–53	2	Washer, Lock – Split (M6)
19	850–0114–55	12	Washer, Lock – Split (M10)
20	862–0026–56	12	Nut, Hex (M10 x 1.5)

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Oil System
Oil Priming
C995 N5C, C1000 N6C, C1100 N6C, C1200 N5C, C1400 N5C



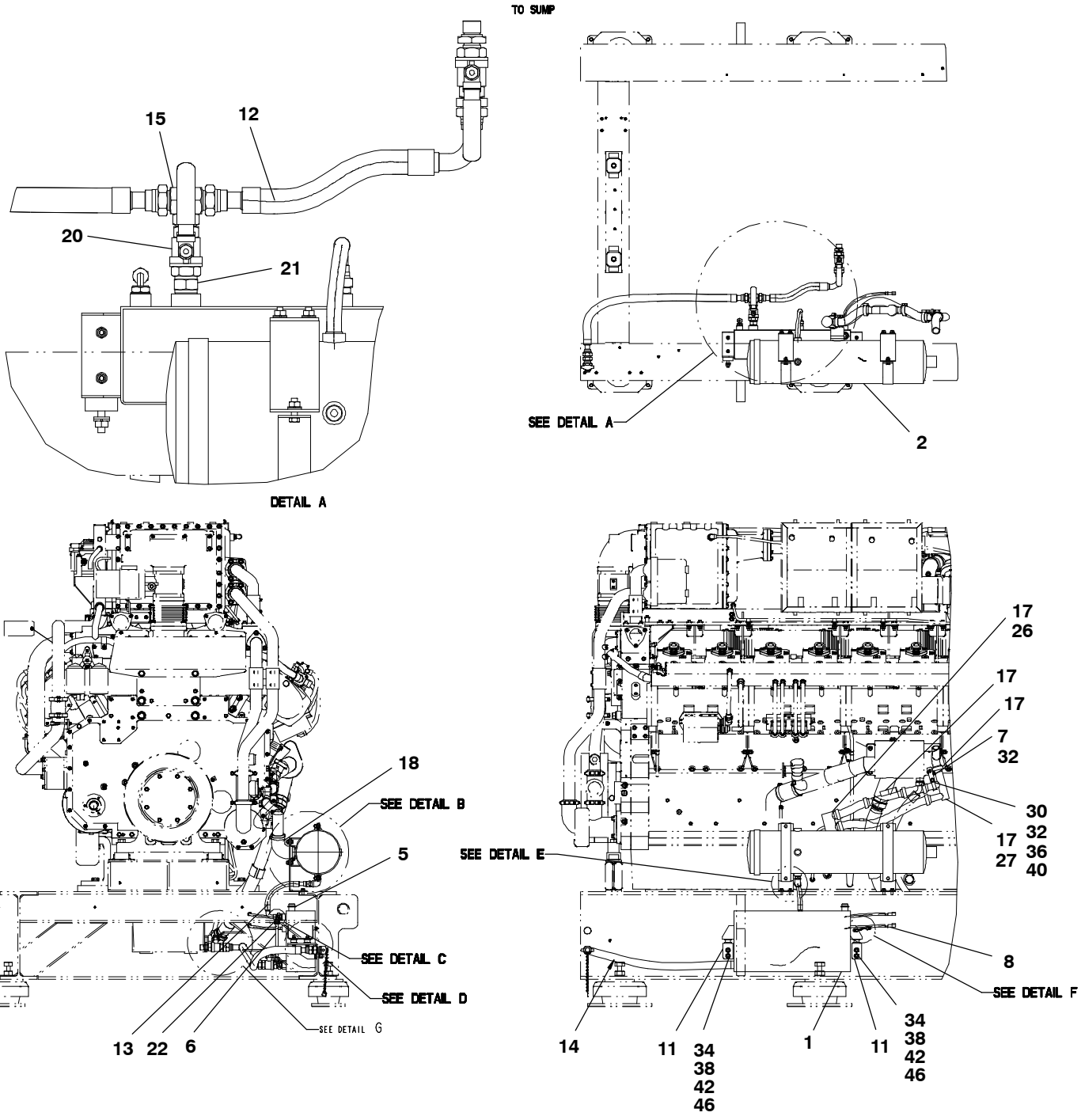
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	120–1357	1	Pump, Oil (Includes the Next Four Indented Items)
	120–1371	1	Pump, Oil (Gear Pump)
	120–1372	1	Pump, Oil (Bell Housing)
	120–1373	1	Pump, Oil (Coupling Set)
	120–1374	1	Pump, Oil (Electric Motor)
2	231–0402–02	1	Adapter, Pipe (M42 x 3/4”)
3	337–3582–06	1	Strap, Ground
4	403–4909	4	Pad, Mounting
5	501–0760	2	Hose
6	502–1326	1	Adapter, Pipe (M33 x 3/4”)
7	504–0227	1	Valve, Ball
8	504–0261	1	Valve, Check
9	505–2061	2	Elbow, Pipe (1” – 90°)
10	505–2077	1	Adapter, Pipe (1” x 3/4”)
11	505–2079	1	Adapter, Pipe (1” x 1”)
12	505–2083	1	Adapter, Pipe (1” x 3/4”)
13	505–2085	2	Adapter, Pipe (1” x 1”)
14	505–2225–02	1	Adapter, Pipe (1” x 1/2”)
15	526–0399–58	2	Washer, Flat (M6)
16	526–0399–62	8	Washer, Flat (M10)
17	800–3017–04	2	Screw, Hex Head (M6 x 1.0 x 20)
18	850–0114–53	2	Washer, Lock – Split (M6)
19	850–0114–55	8	Washer, Lock – Split (M10)
20	862–0026–56	8	Nut, Hex (M10 x 1.5)

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Oil System
Dirty Oil
(Illustration #1)
C1160 N5C, C1400 N6C



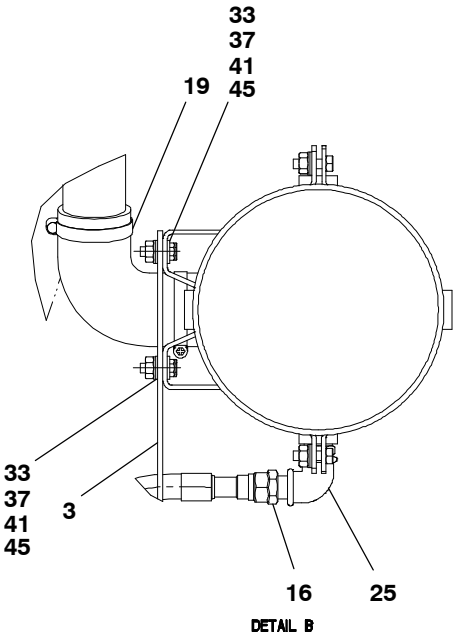
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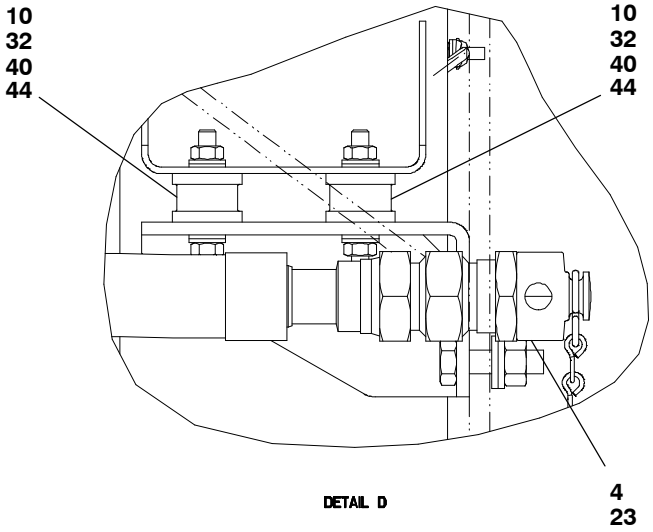
Oil System
Dirty Oil
(Parts for Illustration #1)
C1160 N5C, C1400 N6C

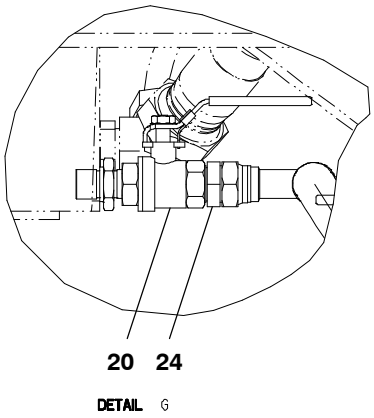
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	102–1507–02	1	Tank, Oil – Dirty Oil
2	122–0862–01	1	Filter, Oil
3	122–0899–02	2	Bracket, Oil Filter
4	123–2198	1	Cap, Oil Fill
5	123–2204	1	Adapter, Breather
6	123–2205	1	Tube, Oil Indicator
7	123–2269–02	1	Bracket, Crank Vent
8	193–0566	2	Sensor, Level
9	337–3582–06	1	Strap, Ground
10	403–4916	4	Pad, Mounting
11	403–5251–02	2	Bracket, Tank
12	501–0775	1	Hose
13	501–0823	1	Hose
14	501–0950	1	Hose
15	502–1433	1	Tee, Hose
16	502–1441	2	Adapter, Hose
17	503–1870–02	7	Clamp, Hose
18	503–2364	1	Elbow, Hose
19	503–2373	2	Clamp, Hose
20	504–0227	2	Valve, Ball
21	505–2068	1	Adapter, Pipe
22	505–2069	2	Elbow, Pipe
23	505–2070	1	Adapter, Pipe
24	505–2085	1	Adapter, Pipe
25	505–2141	1	Elbow – 90°
26	505–2266–02	1	Tee, Pipe – Lower
27	505–2267–02	1	Tee, Pipe – Upper
28	505–2317	1	Adapter, Pipe
29	505–2350	1	Adapter, Pipe
30	518–0548–05	1	Clamp, Hose
31	526–0399–58	3	Washer, Flat – Steel (M6)
32	526–0399–60	10	Washer, Flat – Steel (M8)
33	526–0399–62	20	Washer, Flat – Steel (M10)
34	526–0399–64	4	Washer, Flat – Steel (M12)
35	800–3017–03	2	Screw, Hex Head (M6 x 1.0 x 16)
36	800–3017–21	1	Screw, Hex Head (M6 x 1.25 x 30)
37	800–3017–37	12	Screw, Hex Head (M10 x 1.5 x 25)
38	800–3017–56	4	Screw, Hex Head (M12 x 1.75 x 40)
39	850–0114–53	2	Washer, Lock – Steel (M6)
40	850–0114–54	9	Washer, Lock – Steel (M8)
41	850–0114–55	12	Washer, Lock – Steel (M10)
42	850–0114–56	4	Washer, Lock – Steel (M12)
43	862–0026–54	1	Nut, Hex (M6)
44	862–0026–55	8	Nut, Hex (M8)
45	862–0026–56	8	Nut, Hex (M10)
46	862–0026–57	4	Nut, Hex (M12)

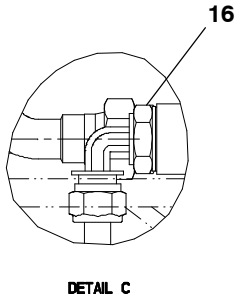
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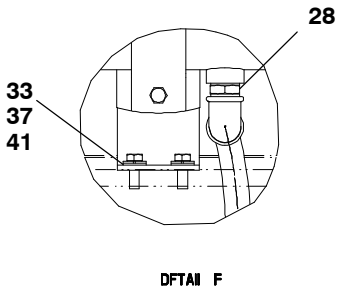
Oil System
Dirty Oil
(Illustration #2)
C1000 N6, C1160 N5C, C1250 N6, C1350 N6, C1400 N6C

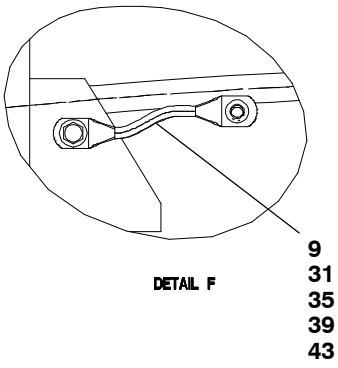












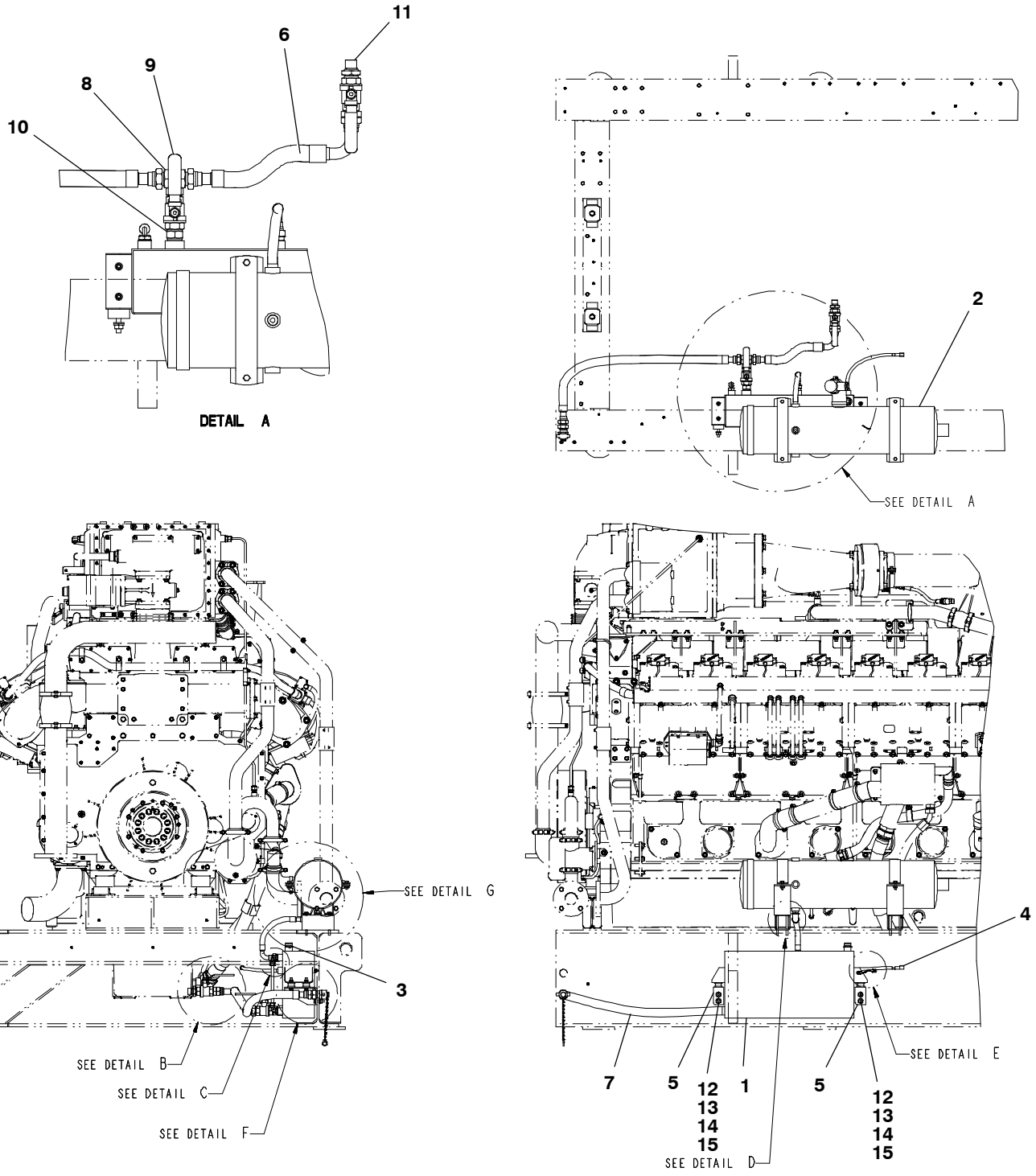
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Oil System
Dirty Oil
(Parts for Illustration #2)
C1000 N6, C1160 N5C, C1250 N6, C1350 N6, C1400 N6C

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	102–1507–02	1	Tank, Oil – Dirty Oil
2	122–0862–01	1	Filter, Oil
3	122–0899–02	2	Bracket, Oil Filter
4	123–2198	1	Cap, Oil Fill
5	123–2204	1	Adapter, Breather
6	123–2205	1	Tube, Oil Indicator
7	123–2269–02	1	Bracket, Crank Vent
8	193–0566	2	Sensor, Level
9	337–3582–06	1	Strap, Ground
10	403–4916	4	Pad, Mounting
11	403–5251–02	2	Bracket, Tank
12	501–0775	1	Hose
13	501–0823	1	Hose
14	501–0950	1	Hose
15	502–1433	1	Tee, Hose
16	502–1441	2	Adapter, Hose
17	503–1870–02	7	Clamp, Hose
18	503–2364	1	Elbow, Hose
19	503–2373	2	Clamp, Hose
20	504–0227	2	Valve, Ball
21	505–2068	1	Adapter, Pipe
22	505–2069	2	Elbow, Pipe
23	505–2070	1	Adapter, Pipe
24	505–2085	1	Adapter, Pipe
25	505–2141	1	Elbow – 90°
26	505–2266–02	1	Tee, Pipe – Lower
27	505–2267–02	1	Tee, Pipe – Upper
28	505–2317	1	Adapter, Pipe
29	505–2350	1	Adapter, Pipe (Not Shown)
30	518–0548–05	1	Clamp, Hose
31	526–0399–58	3	Washer, Flat – Steel (M6)
32	526–0399–60	10	Washer, Flat – Steel (M8)
33	526–0399–62	20	Washer, Flat – Steel (M10)
34	526–0399–64	4	Washer, Flat – Steel (M12)
35	800–3017–03	2	Screw, Hex Head (M6 x 1.0 x 16)
36	800–3017–21	1	Screw, Hex Head (M6 x 1.25 x 30)
37	800–3017–37	12	Screw, Hex Head (M10 x 1.5 x 25)
38	800–3017–56	4	Screw, Hex Head (M12 x 1.75 x 40)
39	850–0114–53	2	Washer, Lock – Steel (M6)
40	850–0114–54	9	Washer, Lock – Steel (M8)
41	850–0114–55	12	Washer, Lock – Steel (M10)
42	850–0114–56	4	Washer, Lock – Steel (M12)
43	862–0026–54	1	Nut, Hex (M6)
44	862–0026–55	8	Nut, Hex (M8)
45	862–0026–56	8	Nut, Hex (M10)
46	862–0026–57	4	Nut, Hex (M12)

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Oil System
Dirty Oil
(Illustration #1)
C995 N5C, C1000 N6C, C1100 N6C, C1200 N5C, C1400 N5C



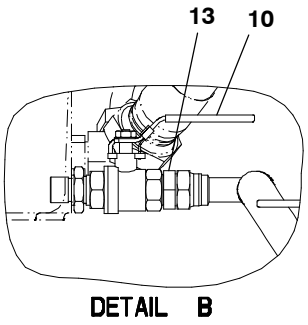
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Oil System
Dirty Oil
(Parts for Illustration #1)
C995 N5C, C1000 N6C, C1100 N6C, C1200 N5C, C1400 N5C

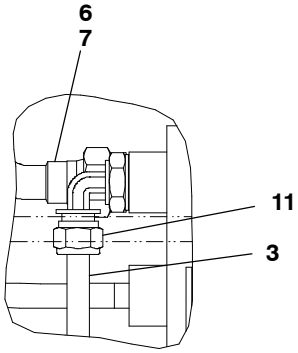
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	102–1507–02	1	Tank, Oil – Dirty Oil
2	122–0862–01	1	Filter, Oil
3	123–2204	1	Adapter, Breather
4	193–0566	1	Sensor, Level
5	403–5251–02	2	Bracket, Tank
6	501–0775	1	Hose
7	501–0950	1	Hose
8	502–1433	1	Tee, Hose
9	504–0227	2	Valve, Ball
10	505–2068	1	Adapter, Pipe
11	505–2359–02	1	Adapter, Pipe
12	526–0399–64	4	Washer, Flat – Steel (M12)
13	800–3017–56	4	Screw, Hex Head (M12 x 1.75 x 40)
14	850–0114–56	4	Washer, Lock – Steel (M12)
15	862–0026–57	4	Nut, Hex (M12)

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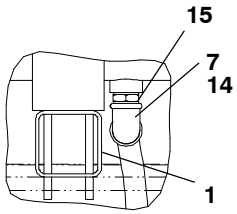
Oil System
Dirty Oil
(Illustration #2)
C995 N5C, C1000 N6C, C1100 N6C, C1200 N5C, C1400 N5C



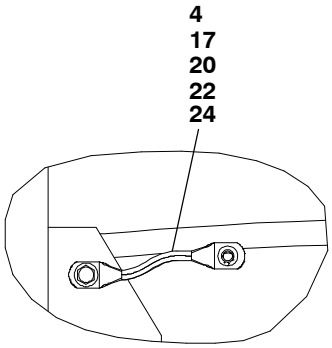
DETAIL B



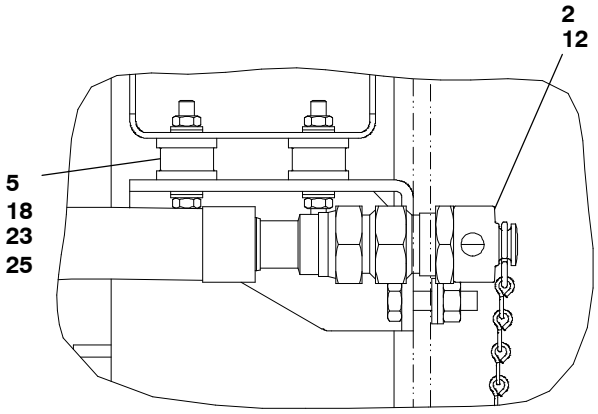
DETAIL C



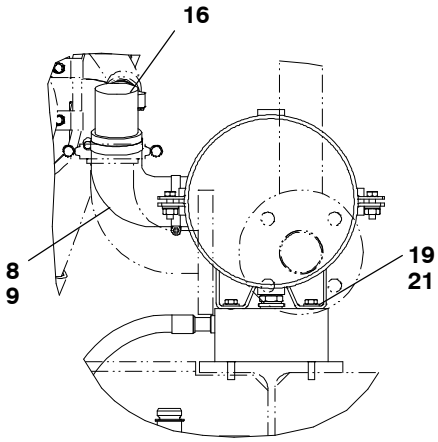
DETAIL D



DETAIL E



DETAIL F



DETAIL G

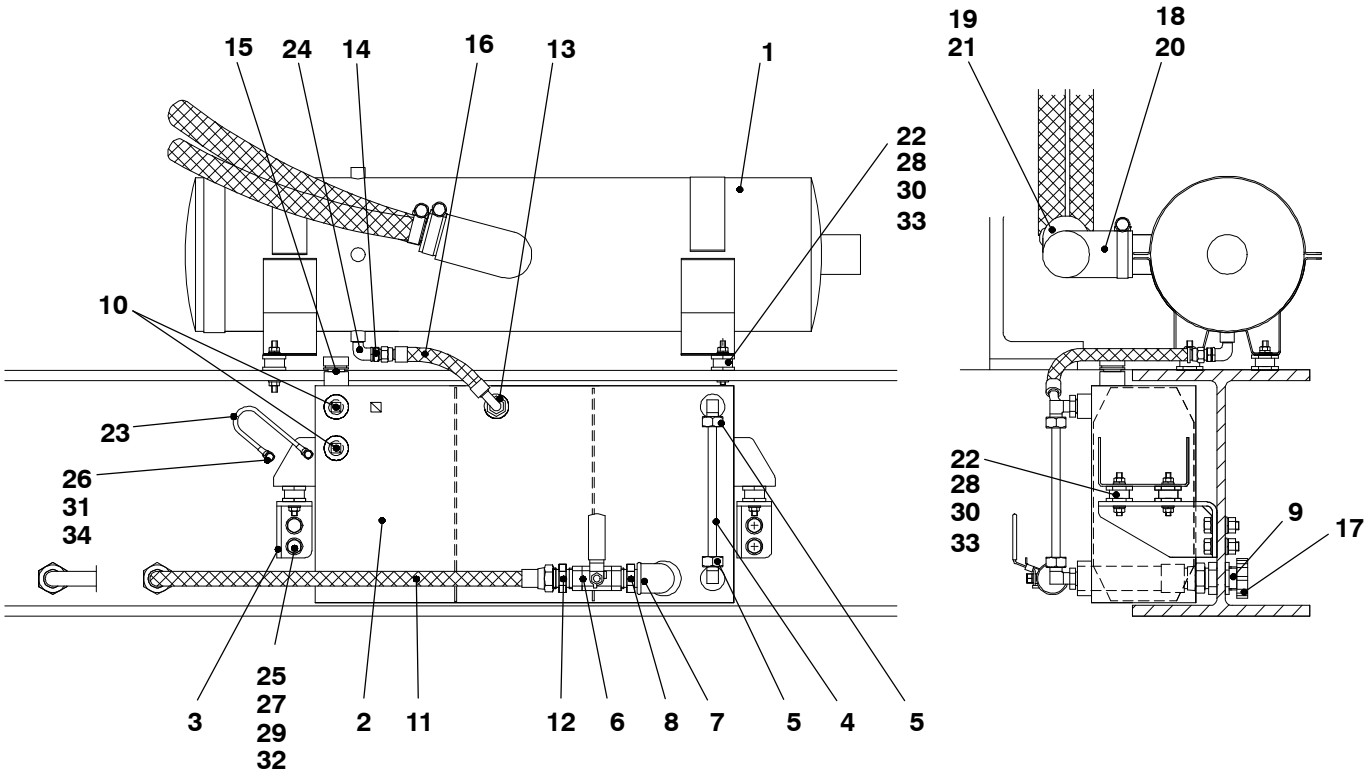
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Oil System
Dirty Oil
(Parts for Illustration #2)
C995 N5C, C1000 N6C, C1100 N6C, C1200 N5C, C1400 N5C

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	122–0919–02	2	Spacer, Oil Filter
2	123–2198	1	Cap, Oil Fill
3	123–2205	1	Tube, Oil Indicator
4	337–3582–06	1	Strap, Ground
5	403–4916	4	Pad, Mounting
6	501–0823	1	Hose
7	502–1441	2	Adapter, Hose
8	503–2364	1	Elbow, Hose
9	503–2373	2	Clamp, Hose
10	504–0227	2	Valve, Ball
11	505–2069	2	Elbow, Pipe
12	505–2070	1	Adapter, Pipe
13	505–2085–02	1	Adapter, Pipe
14	505–2141	1	Elbow – 90°
15	505–2317	1	Adapter, Pipe
16	505–2367–02	1	Tee, Pipe
17	526–0399–58	3	Washer, Flat (M6)
18	526–0399–60	8	Washer, Flat (M8)
19	526–0399–62	4	Washer, Flat (M10)
20	800–3017–03	2	Screw, Hex Head (M6 x 1.0 x 16)
21	800–3017–51	4	Screw, Hex Head (M10 x 1.5 x 100)
22	850–0114–53	2	Washer, Lock (M6)
23	850–0114–54	8	Washer, Lock (M8)
24	862–0026–54	1	Nut, Hex (M6)
25	862–0026–55	8	Nut, Hex (M8)

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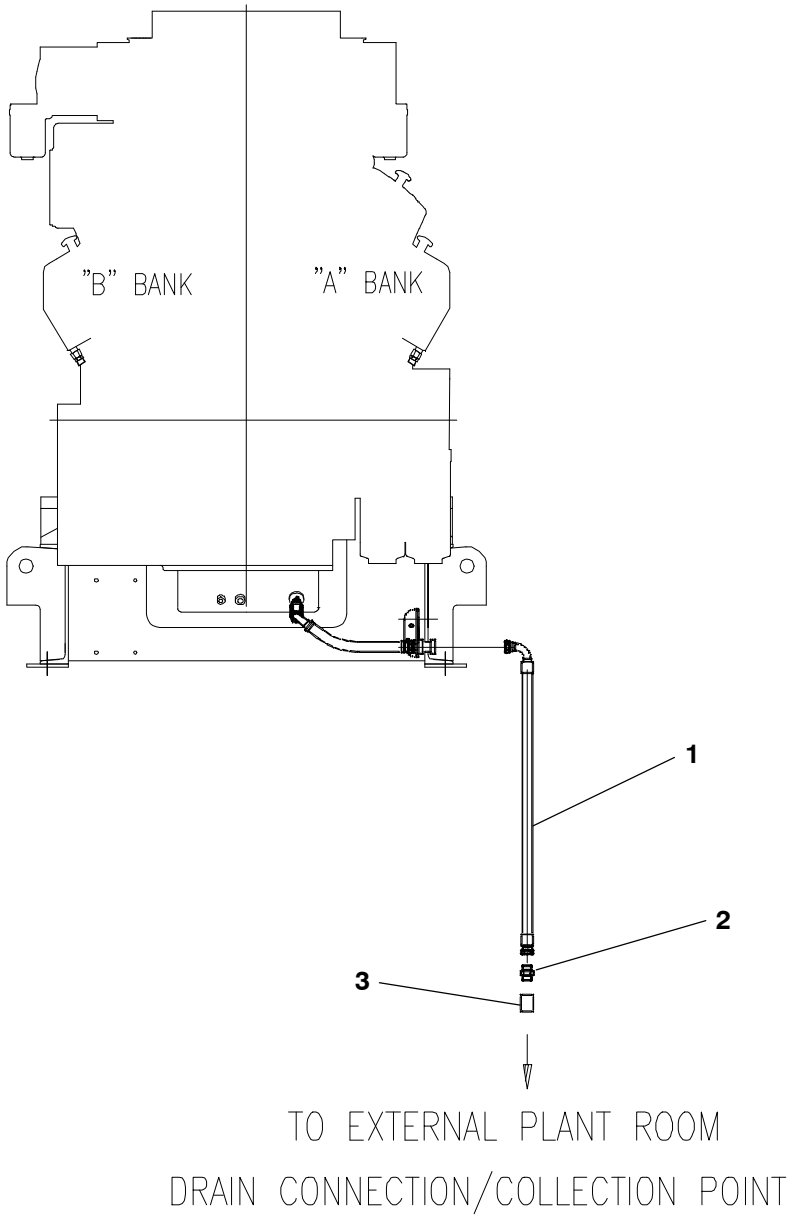
Oil System
Breather
C1000 N6, C1160 N5C, C1250 N6, C1350 N6, C1400 N6C



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	122–0862–01	1	Filter, Oil
2	102–1507–02	1	Tank, Oil – Dirty
3	403–5251–02	2	Bracket, Tank
4	123–2205	1	Tube, Oil Indicator
5	505–2069	2	Elbow, Pipe (1/2”)
6	504–0227	1	Valve, Ball
7	505–2061	1	Elbow, Pipe (1” x 90°)
8	505–2068	1	Adapter, Pipe (1” x 1”)
9	505–2070	1	Adapter, Pipe
10	193–0566	2	Sensor, Level
11	501–0821	1	Hose Assembly
12	505–2085	1	Adapter, Pipe (1” x 1”)
13	502–1441	2	Adapter, Pipe (1/2” x 1/2”)
14	505–2052	1	Adapter, Pipe (1/2” x 1/4”)
15	123–2204	1	Adapter, Breather
16	501–0823	1	Hose, Assembly
17	123–2198	1	Cap, Oil Fill
18	503–2364	1	Elbow, Hose
19	123–2241–02	1	Tube, Breather
20	503–2373	2	Clamp, Hose
21	503–1870–02	2	Clamp, Hose
22	403–4916	8	Pad, Mounting
23	337–3582–06	1	Strap, Ground
24	505–2231	1	Elbow, Pipe (1/4” x 90°)
25	800–3017–56	4	Screw, Hex Head (M12 x 1.75 x 40)
26	800–3017–03	2	Screw, Hex Head (M6 x 1.0 x 16)
27	862–0026–57	4	Nut, Hex (M12 x 1.75)
28	862–0026–55	12	Nut, Hex (M8 x 1.25)
29	526–0399–64	4	Washer, Flat (M12)
30	526–0399–60	12	Washer, Flat (M8)
31	526–0399–58	2	Washer, Flat (M6)
32	850–0114–56	4	Washer, Spring (M12)
33	850–0114–54	12	Washer, Spring (M8)
34	850–0114–53	2	Washer, Lock – Spring (M6)

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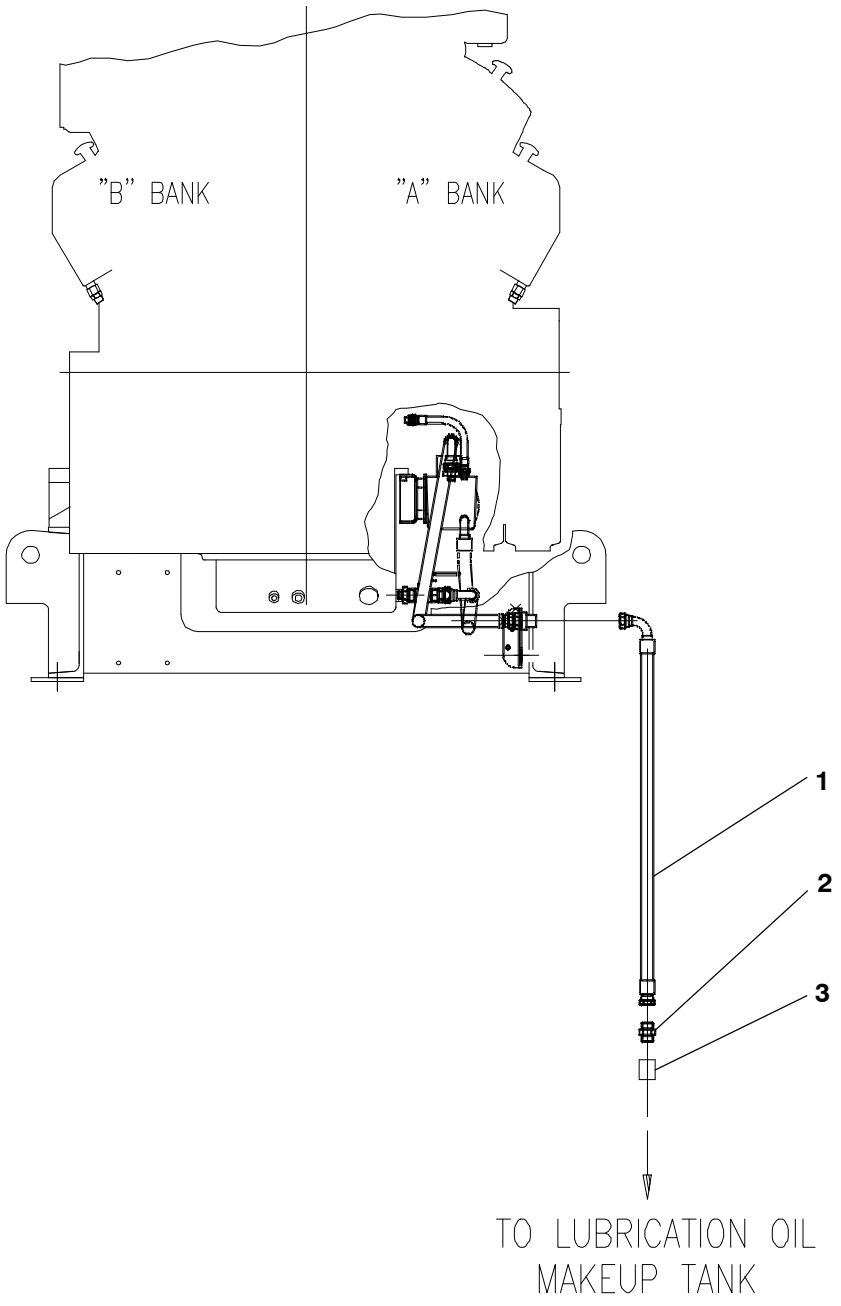
Oil Drain
Sump
C1000 N6, C1160 N5C, C1250 N6, C1350 N6, C1400 N6C



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

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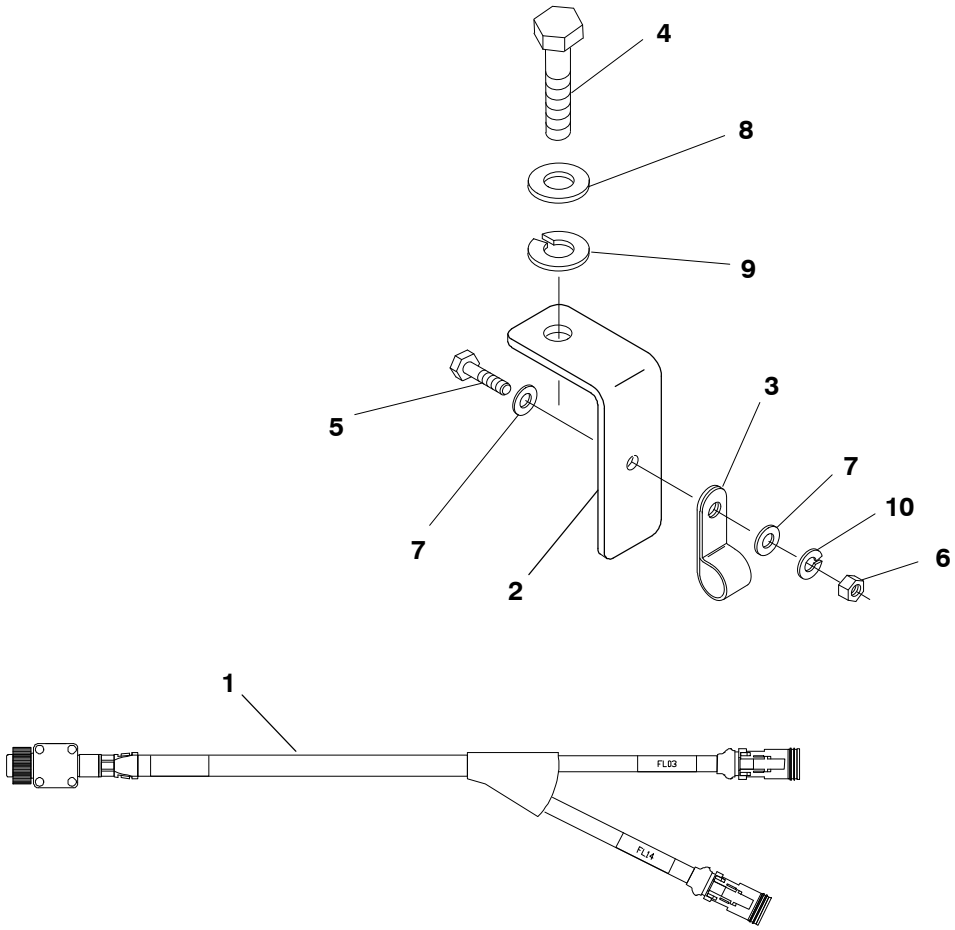
Oil Fill
C1000 N6, C1160 N5C, C1250 N6, C1350 N6, C1400 N6C



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

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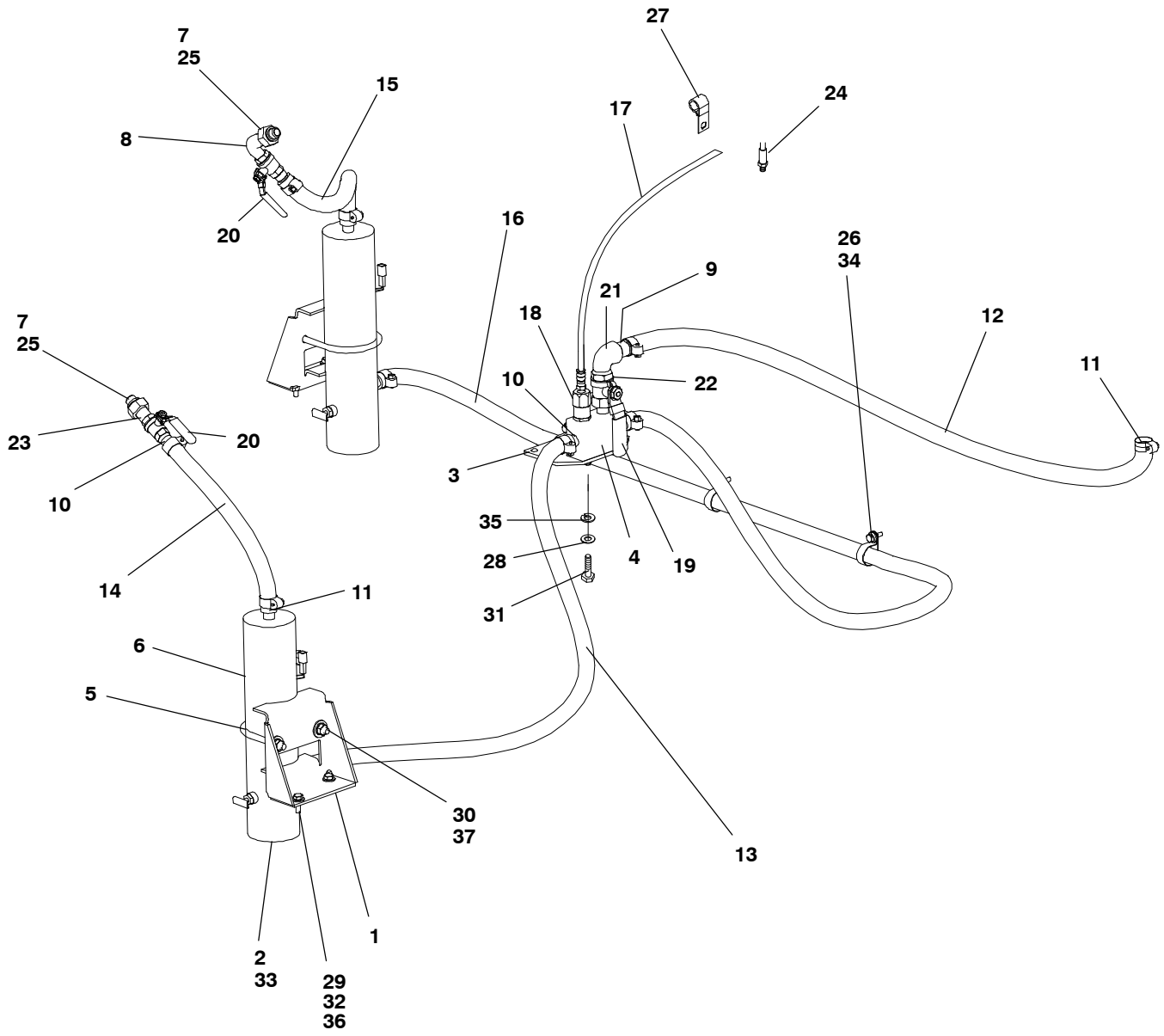
Wiring Harness
Oil Tank
C1000 N6, C1160 N5C, C1250 N6, C1350 N6, C1400 N6C



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338–4772	1	Harness, Wiring – Sensor
2	338–4419–02	2	Bracket, Harness
3	518–0548–04	2	Clamp, Hose
4	800–3017–18	2	Screw, Hex Head (M8 x 1.25 x 16)
5	800–0309–77	2	Screw, Hex Head (M4 x 0.7 x 20)
6	862–0026–52	2	Nut, Hex (M4 x 0.7)
7	526–0399–55	4	Washer, Flat (M4)
8	526–0399–60	2	Washer, Flat (M8)
9	850–0114–54	2	Washer, Lock – Spring (M8)
10	850–0114–51	2	Washer, Lock – Spring (M4)

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Coolant Heater
PH4 60Hz
C995 N5C, C1000 N6C, C1100 N6C, C1200 N5C, C1400 N5C



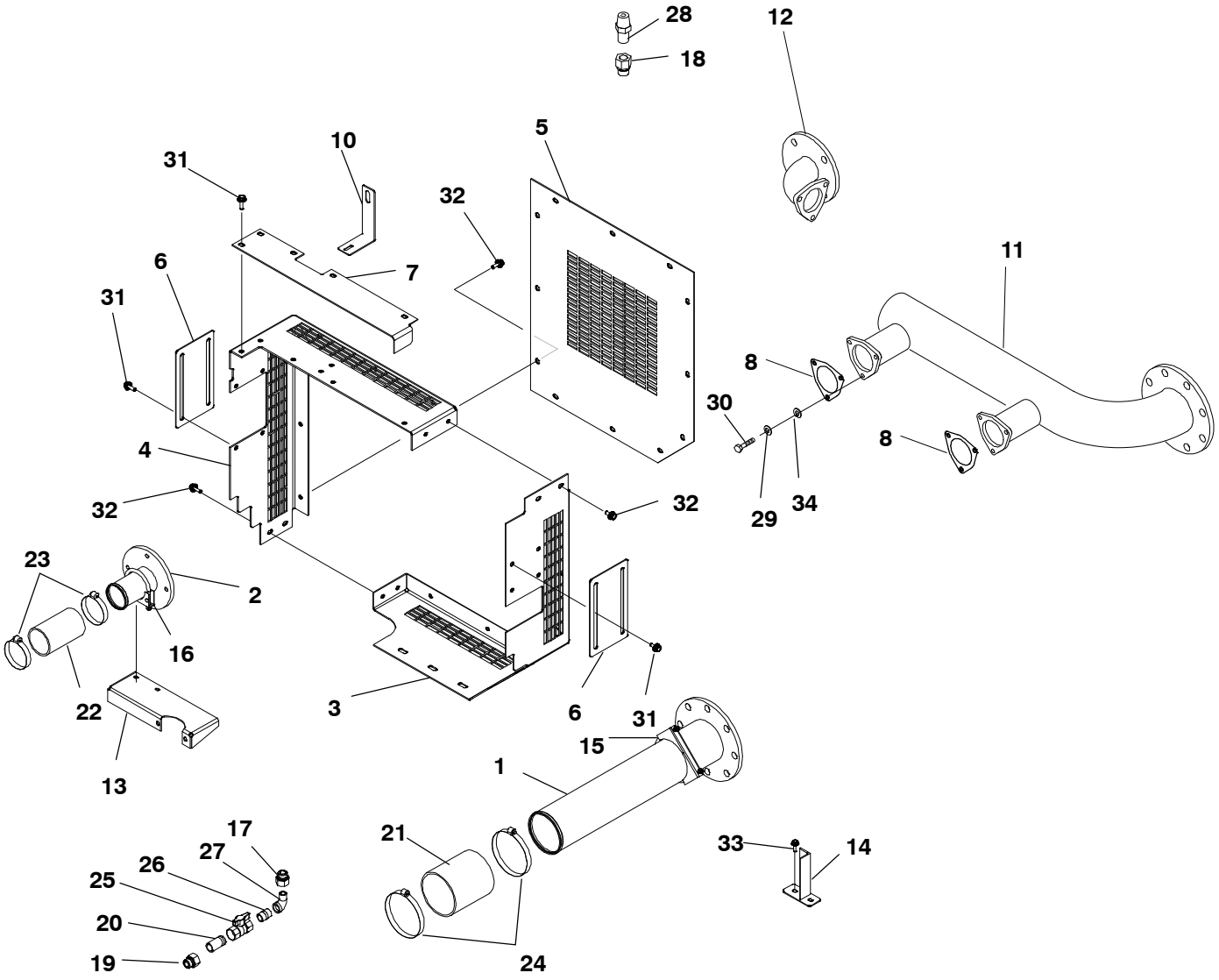
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Coolant Heater
PH4 60Hz
C995 N5C, C1000 N6C, C1100 N6C, C1200 N5C, C1400 N5C

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130–4546–01	2	Bracket, Water Heater
2	130–5391–02	2	Cover, Water Heater
3	130–7372–02	1	Plate, Support (Manifold)
4	133–0233	1	Manifold, Heater
5	155–3451	2	Clamp, Water Heater – 90° (M10)
6	333–0634–02	2	Heater, Coolant – 6420 Watt
7	502–1315	2	Adapter, Pipe – Stor to Female
8	502–1369	1	Elbow, M/F – 90° (1/2)
9	502–1457	1	Adapter, Hose
10	502–1475	4	Adapter, Hose (1/2 x 19)
11	503–1872–01	10	Clamp, Hose
12	503–2203–04	A/R	Hose, Steam
13	503–2204–02	1	Hose, Steam (19mm x 1200)
14	503–2204–06	1	Hose, Steam (19mm x 300)
15	503–2204–07	1	Hose, Steam (19mm x 800)
16	503–2204–12	1	Hose, Steam (19mm x 2500)
17	503–2518	1	Hose, Vent
18	504–0215	1	Valve, Check (1/4)
19	504–0239	1	Valve, Ball (3/4)
20	504–0247	2	Valve, Ball (1/2)
21	504–1574	1	Elbow, Pipe – 90° (3/4)
22	505–2086	1	Nipple, Pipe (3/4)
23	505–2098	2	Nipple, Pipe (1/2)
24	505–2207	1	Adapter, Pipe (M16 x 1.5 x 1/4)
25	509–0478	2	Seal – “O” Ring
26	518–0548–05	3	Clamp, Hose
27	518–0548–25	2	Clamp, Hose
28	526–0399–58	2	Washer, Flat (M6)
29	526–0399–62	4	Washer, Flat (M10)
30	526–0399–63	4	Washer, Flat (M10)
31	800–3017–04	2	Screw, Hex Head (M6 x 1.0 x 20)
32	800–3017–37	4	Screw, Hex Head (M10 x 1.5 x 25)
33	815–0464	4	Screw, Round Head – Thread Cutting – W/IT (#8–32 x 1.0)
34	821–6003–02	3	Screw, Hex Washer Head (M8 x 20)
35	850–0114–53	2	Washer, Lock (M6)
36	850–0114–55	4	Washer, Lock (M10)
37	862–0026–56	4	Nut, Hex (M10)

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Remote Radiator
C1000 N6, C1160 N5C, C1250 N6, C1350 N6, C1400 N6C



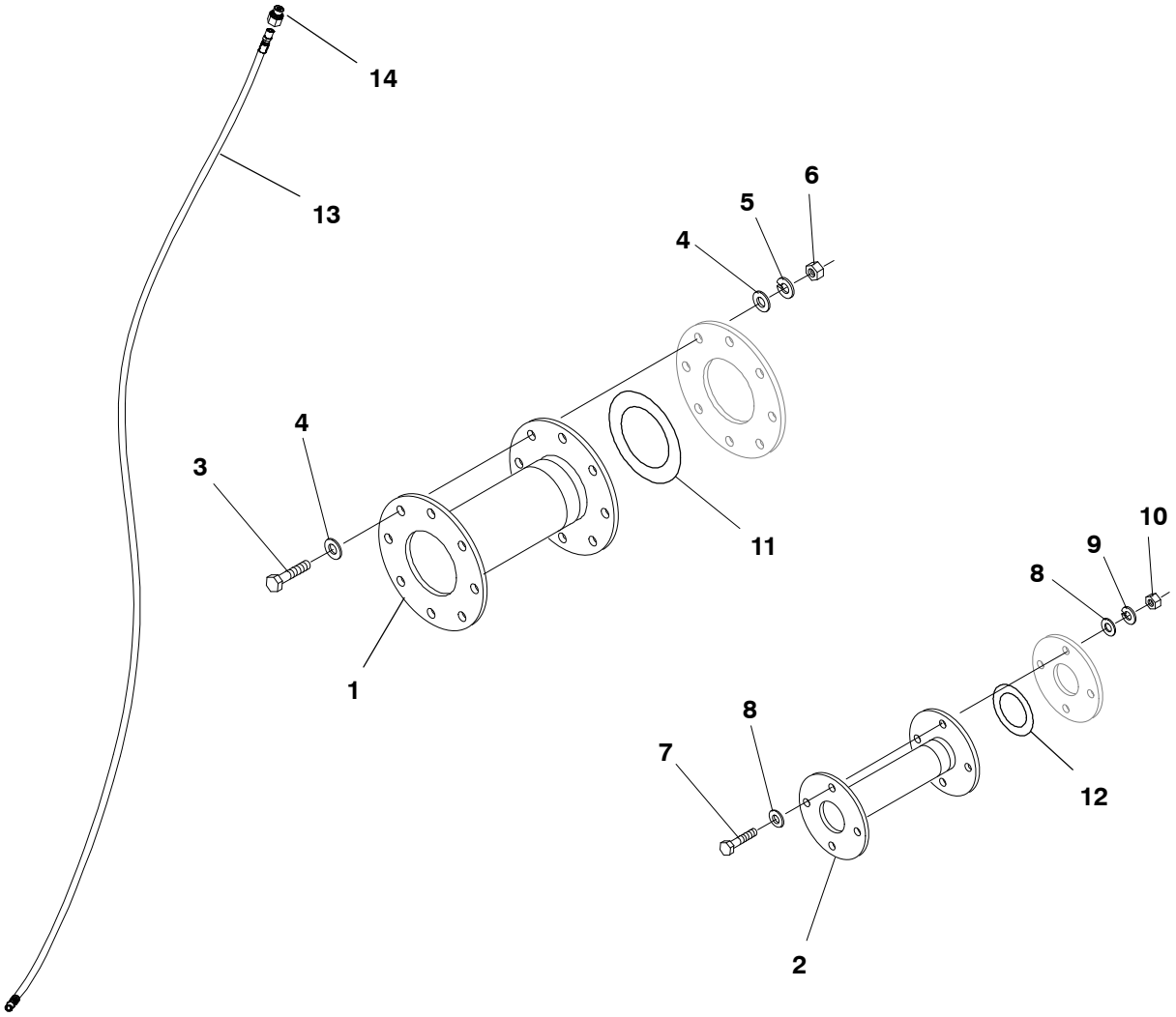
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Remote Radiator
C1000 N6, C1160 N5C, C1250 N6, C1350 N6, C1400 N6C

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Tube, Water Inlet
	130–4517–01	1	ANSI
	130–5994–02	1	LTA–BS10
	130–5993–02	1	BS10
2			Tube, Water Inlet
	130–5081–02	1	LTA – ANSI
	130–6051–02	1	BS10
3	130–5279–02	1	Guard, Damper (Left Side)
4	130–5280–02	1	Guard, Damper (Right Side)
5	130–5282–02	1	Cover, Damper
6	130–5390–02	2	Plate, Cover
7	130–5393–02	1	Plate, Cover (Top)
8	130–5899	2	Gasket, Radiator (Water Outlet LTA)
9	130–5900	1	Gasket, Radiator (Water Outlet)
10	130–5995–02	1	Bracket, Support
11	130–7132–02	1	Tube, Water (HT Outlet) – ANSI
12			Tube, Water
	130–6054–02	1	LTA Outlet – ANSI
	130–6053–02	1	HT Outlet – BS10
13	130–6902–02	1	Bracket, Tube (Water Inlet)
14	130–7130–02	1	Bracket, Tube (Water Outlet)
15	155–3290	1	Clamp, Muffler (5”)
16	155–4180	1	Clamp, Muffler
17	231–0402–02	1	Adapter, Pipe (M42 x 3/4)
18	502–1318	2	Adapter, Pipe (M14 x 1/4)
19	502–1326	1	Adapter, Pipe (M33 x 3/4)
20	502–1457	2	Hose, Connector (3/4)
21	503–1726	1	Hose, Radiator (5.00 x 6.00)
22	503–1728	1	Hose, Radiator (3.00 x 5.50)
23	503–1872–05	2	Clamp, Hose
24	503–1872–09	2	Clamp, Hose
25	504–0239	2	Valve, Ball (3/4)
26	505–0102	2	Nipple, Pipe (3/4 x 1.38)
27	505–1574	1	Elbow, Pipe (3/4 x 90°)
28	505–2131	2	Adapter, Pipe (1/4 x 1/4)
29	526–0399–62	9	Washer, Flat (M10)
30	800–3017–38	9	Screw, Cap – Hex Head (M10 x 1.5 x 30)
31	821–6003–01	13	Screw, Hex Head (M8 x 1.25 x 16)
32	821–6003–02	19	Screw, Hex Head (M8 x 1.25 x 20)
33	821–6003–03	2	Screw, Hex Head (M8 x 1.25 x 25)
34	850–0114–55	9	Washer, Lock – Split (M10)
35	130–5993–02	1	Tube, Water Inlet – BS10
36	130–6053–02	1	Tube, Water Outlet – BS10

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Radiator Kit
C1000 N6, C1160 N5C, C1250 N6, C1350 N6, C1400 N6C



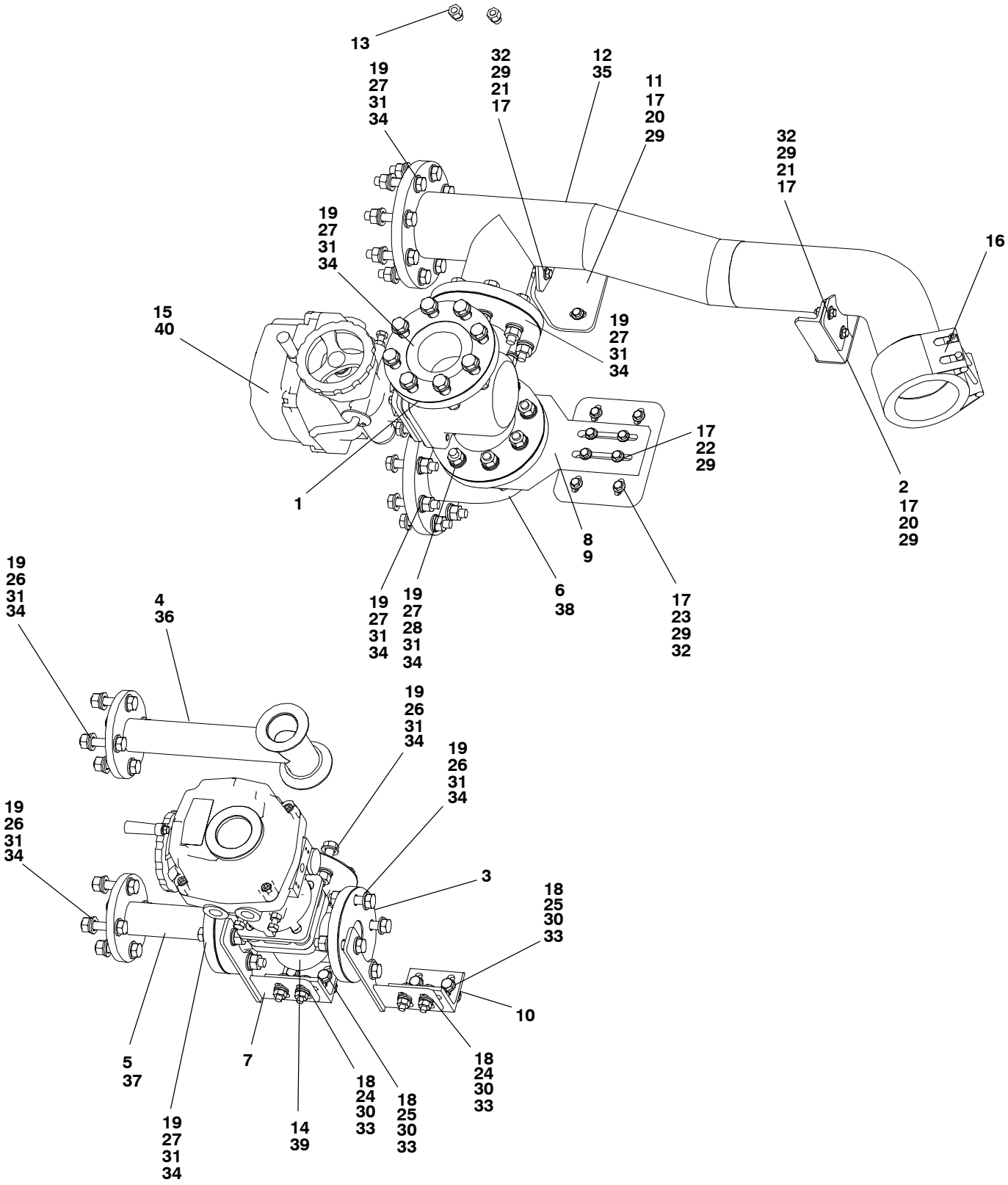
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Hose Assembly (5”)
	501–0833	2	ANSI
	501–0834	2	BS10
2			Hose Assembly (3”)
	501–0835	2	ANSI
	501–0836	2	BS10
3	800–3017–76	8	Screw, Hex Head (M16 x 2.0 x 60)
4	526–0399–66	16	Washer, Flat (M16)
5	850–0114–57	8	Washer, Lock – Spring (M16)
6	862–0026–58	8	Nut, Hex (M16 x 2.0)
7	800–3017–92	16	Screw, Hex Head (M20 x 2.5 x 65)
8	526–0399–70	32	Washer, Flat (M20)
9	850–0114–58	16	Washer, Lock – Split (M20)
10	862–0026–59	16	Nut, Hex (M20 x 2.0)
11			Gasket, Radiator (5”)
	130–6165	2	ANSI
	130–6164	2	BS10
12			Gasket, Radiator (3”)
	130–6163	2	ANSI
	130–6162	2	BS10
13	503–2129–04	2	Line, Radiator Vent
14	502–1318	2	Adapter, Pipe (M14 x 1/4”)

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Cooling System
Flanges
C995 N5C, C1000 N6C, C1100 N6C, C1200 N5C, C1400 N5C



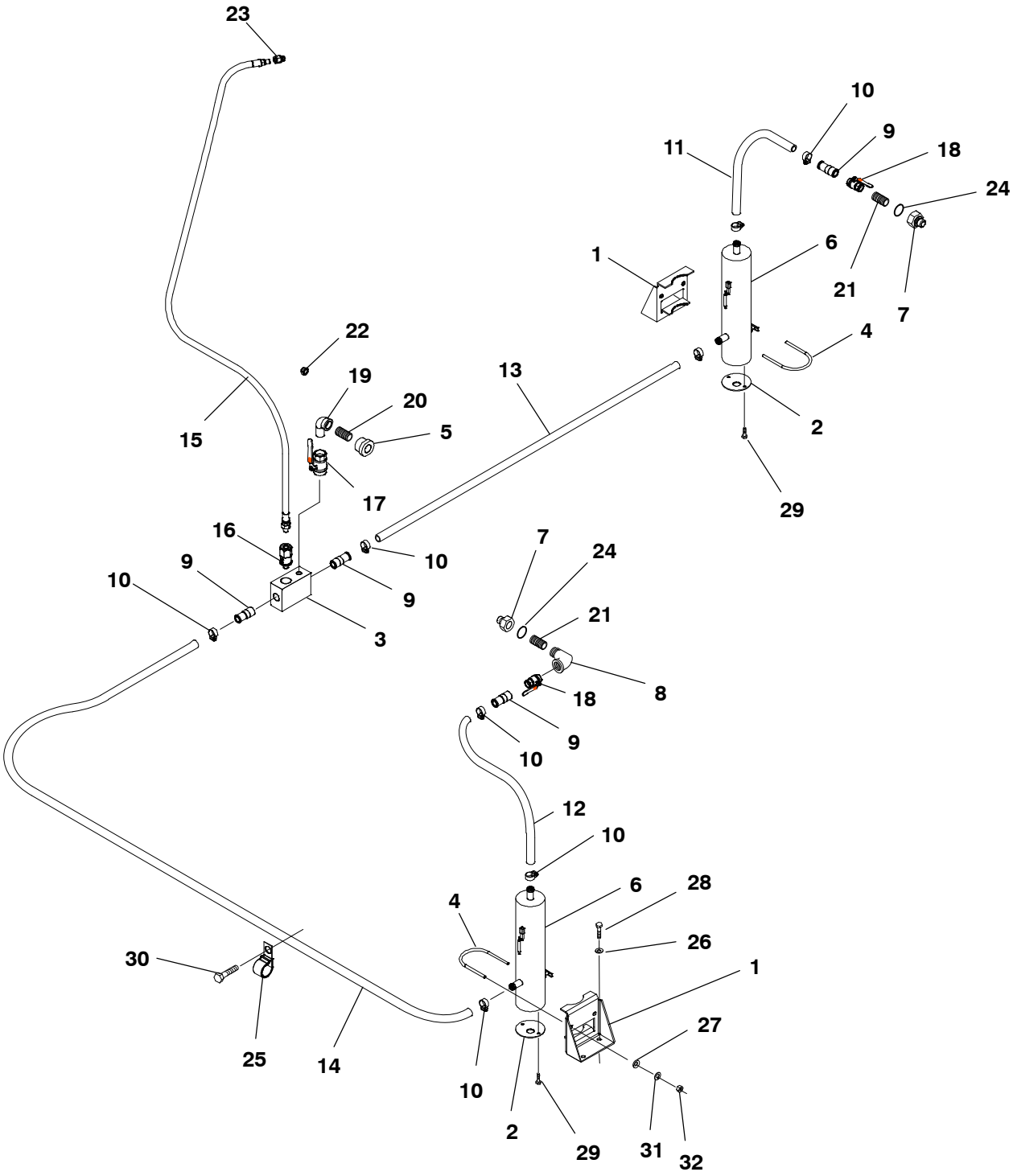
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Cooling System
Flanges
C995 N5C, C1000 N6C, C1100 N6C, C1200 N5C, C1400 N5C

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130–6405	3	Gasket, Radiator
2	130–7130–02	1	Bracket, Tube (Water Outlet)
3	130–7145	3	Gasket, Radiator
4	130–7212–02	1	Tube, Water (Inlet BS Flanges)
5	130–7213–02	1	Tube, Water (Valve Out BS Flanges)
6	130–7214–02	1	Tube, Water (BS Flanges)
7	130–7223–02	2	Bracket, Tube (LT)
8	130–7224–02	1	Plate, Support (Ball Valve)
9	130–7225–02	1	Plate, Support (Flange)
10	130–7226–02	2	Bracket, Tube (Support Angle)
11	130–7231–02	1	Bracket, Tube (Angle Support)
12	130–7352–02	1	Tube, Water (BS EN 1092 TEE)
13	502–1318	2	Adapter, Pipe
14	504–0301	1	Valve, Ball (3 Way 2” DN80) – BS Flanges
15	504–0302	1	Valve, Ball (3 Way 3” DN80) – BS Flanges
16	505–2264	1	Coupling, Pipe (4” NB TEEKAY)
17	526–0399–62	24	Washer, Flat (M10)
18	526–0399–64	16	Washer, Flat (M12)
19	526–0399–66	120	Washer, Flat (M16)
20	800–3017–37	4	Screw, Hex Head (M10 x 1.5 x 25)
21	800–3017–38	4	Screw, Hex Head (M10 x 1.5 x 30)
22	800–3017–39	4	Screw, Hex Head (M10 x 1.5 x 35)
23	800–3017–42	4	Screw, Hex Head (M10 x 1.5 x 50)
24	800–3017–56	4	Screw, Hex Head (M12 x 1.75 x 40)
25	800–3017–58	4	Screw, Hex Head (M12 x 1.75 x 50)
26	800–3017–78	16	Screw, Hex Head (M16 x 2.0 x 70)
27	800–3017–80	40	Screw, Hex Head (M16 x 2.0 x 80)
28	800–3017–82	4	Screw, Hex Head (M16 x 2.0 x 90)
29	850–0114–55	16	Washer, Lock (M10)
30	850–0114–56	8	Washer, Lock (M12)
31	850–0114–57	60	Washer, Lock (M16)
32	862–0026–56	8	Nut, Hex (M10)
33	862–0026–57	8	Nut, Hex (M12)
34	862–0026–58	60	Nut, Hex (M16)
35	130–7353–02	1	Tube, Water (ANSI TEE) – ANSI Flanges
36	130–7289–02	1	Tube, Water (Inlet Adapter) – ANSI Flanges
37	130–7290–02	1	Tube, Water (ANSI Adapter) – ANSI Flanges
38	130–7292–02	1	Tube, Water (ANSI 90° Elbow) – ANSI Flanges
39	504–0294	1	Valve, Ball (3 Way 2” DN80) – ANSI Flanges
40	504–0295	1	Valve, Ball (3 Way 3” DN80) – ANSI Flanges

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Coolant Heater
C1000 N6, C1160 N5C, C1250 N6, C1350 N6, C1400 N6C, C1000 N6C



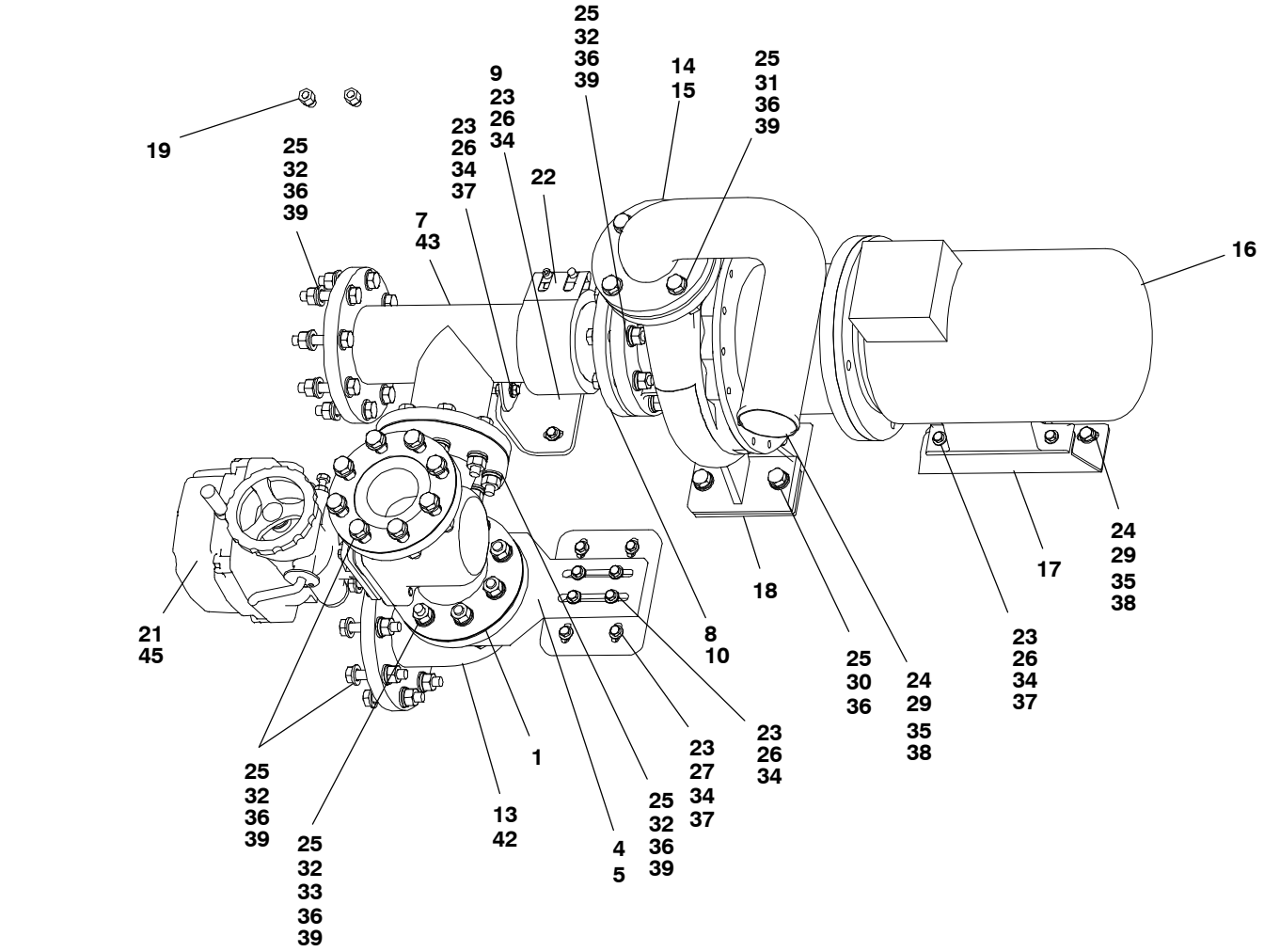
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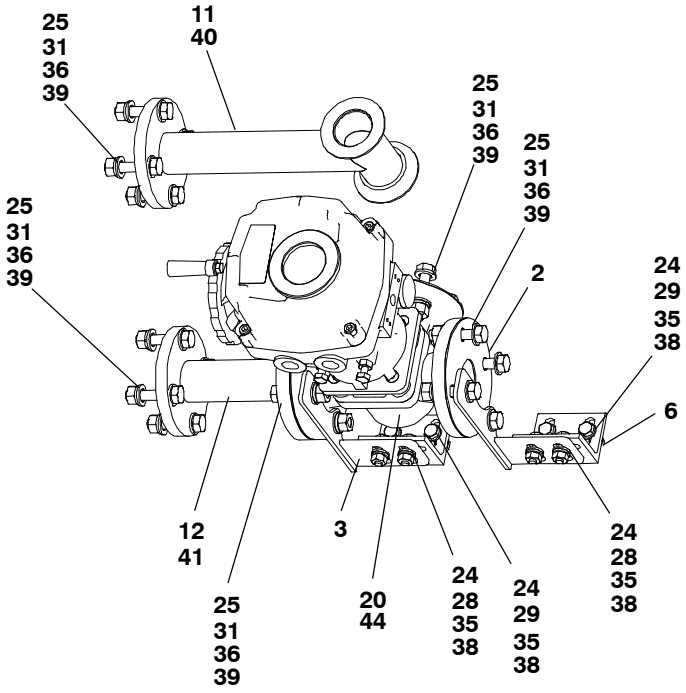
Coolant Heater
C1000 N6, C1160 N5C, C1250 N6, C1350 N6, C1400 N6C, C1000 N6C

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130–4546–01	2	Bracket, Water Heater
2	130–5391–02	2	Cover, Water Heater
3	133–0233	1	Manifold, Heater
4	155–3451	2	Clamp, Water Heater – 90° (M10)
5	231–0402–02	1	Adapter (M42 x 3/4)
6	333–0634–02	2	Heater, Coolant – 6420 Watt
7	502–1315	2	Adapter, Pipe – Stor to Female
8	502–1369	1	Elbow, M/F – 90° (1/2)
9	502–1475	4	Adapter, Hose (1/2 x 19)
10	503–1872–01	8	Clamp, Hose
11	503–2204–06	1	Hose, Steam (19mm x 300)
12	503–2204–07	1	Hose, Steam (19mm x 800)
13	503–2204–08	1	Hose, Steam (19mm x 1000)
14	503–2204–09	1	Hose, Steam (19mm x 1700)
15	503–2518	1	Hose, Vent
16	504–0215	1	Valve, Check (1/4)
17	504–0239	1	Valve, Ball (3/4)
18	504–0247	2	Valve, Ball (1/2)
19	504–1574	1	Elbow, Pipe – 90° (3/4)
20	505–2086	2	Nipple, Pipe (3/4)
21	505–2098	2	Nipple, Pipe (1/2)
22	505–2203	1	Plug, Pipe (M14 x 1.5 x 9)
23	505–2207	1	Adapter, Pipe (M16 x 1.5 x 1/4)
24	509–0478	2	Seal – “O” Ring
25	518–0548–05	3	Clamp, Hose
26	526–0399–62	4	Washer, Flat (M10)
27	526–0399–63	4	Washer, Flat (M10)
28	800–3017–37	4	Screw, Hex Head (M10 x 1.5 x 25)
29	815–0464	4	Screw, Round Head – Thread Cutting – W/IT (#8–32 x 1.0)
30	821–6003–02	3	Screw, Hex Washer Head (M8 x 20)
31	850–0114–55	4	Washer, Lock – Spring (M10)
32	862–0026–56	4	Nut, Hex (M10)

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Cooling System
Flanges
C995 N5C, C1000 N6C, C1100 N6C, C1200 N5C, C1400 N5C





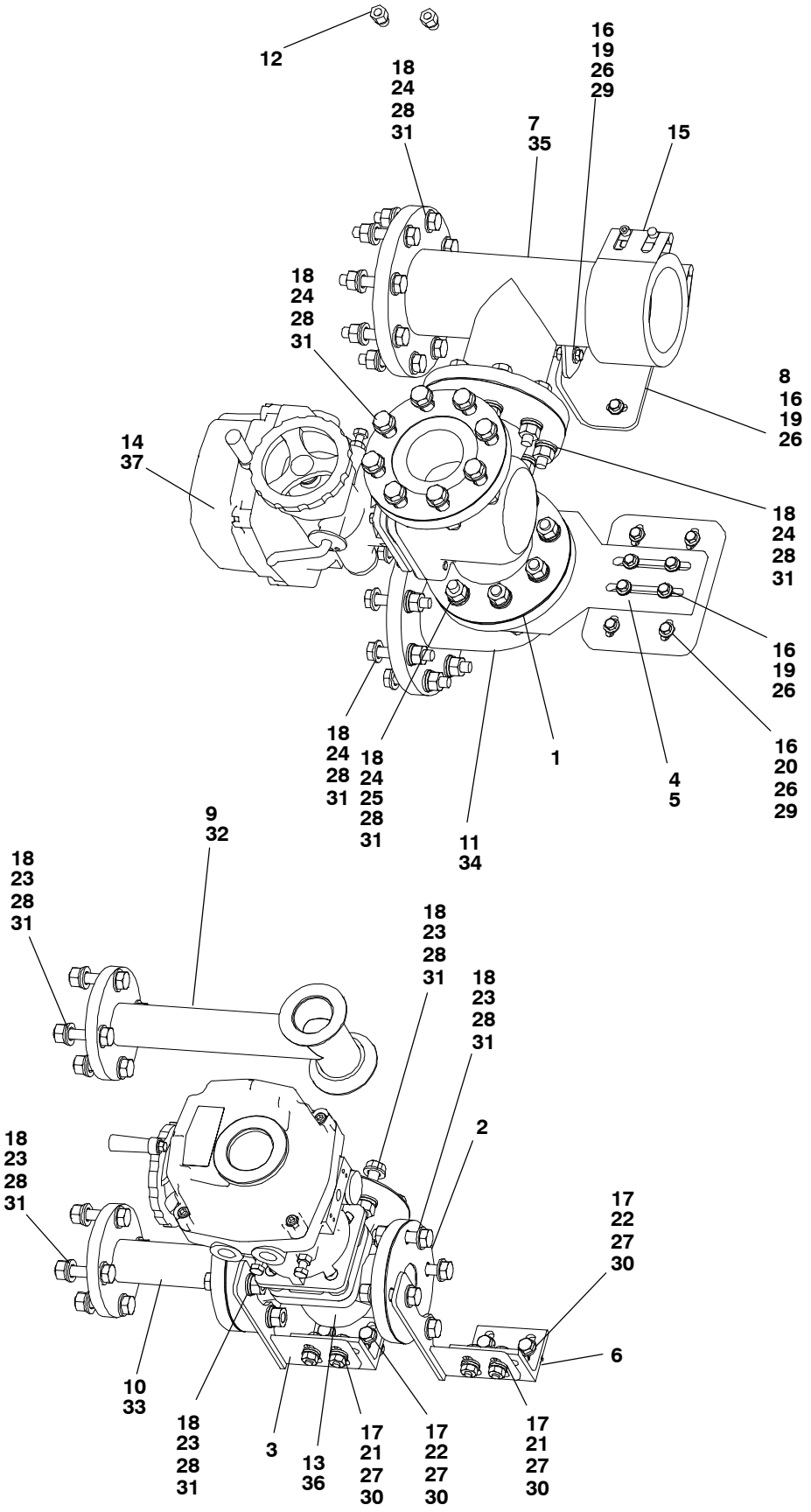
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Cooling System
Flanges
C995 N5C, C1000 N6C, C1100 N6C, C1200 N5C, C1400 N5C

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130–6405	3	Gasket, Radiator
2	130–7145	3	Gasket, Radiator
3	130–7223–02	2	Bracket, Tube (LT)
4	130–7224–02	1	Plate, Support (Ball Valve)
5	130–7225–02	1	Plate, Support (Flange)
6	130–7226–02	2	Bracket, Tube (Support Angle)
7	130–7227–02	1	Tube, Water (Tee) – ANSI Flanges
8	130–7228–02	1	Tube, Water (Adaptor)
9	130–7231–02	1	Bracket, Tube (Angle Support)
10	130–7232	1	Gasket, Radiator (4”)
11	130–7289–02	1	Tube, Water (Inlet Adapter) – ANSI Flanges
12	130–7290–02	1	Tube, Water (ANSI Adapter) – ANSI Flanges
13	130–7292–02	1	Tube, Water (ANSI 90° Elbow) – ANSI Flanges
14	130–7293	1	Gasket, Radiator (65NB)
15	130–7306–02	1	Tube, Water (Transfer)
16	132–0475	1	Pump, Water (Remote)
17	132–0481–02	2	Bracket, Water Pump (Support)
18	132–0482–02	2	Bracket, Water Pump (Support Plate)
19	502–1318	2	Adapter, Pipe
20	504–0294	1	Valve, Ball (3 Way 2” DN80) – ANSI Flanges
21	504–0295	1	Valve, Ball (3 Way 3” DN80) – ANSI Flanges
22	505–2264	1	Coupling, Pipe (4” NB TEEKAY)
23	526–0399–62	26	Washer, Flat (M10)
24	526–0399–64	32	Washer, Flat (M12)
25	526–0399–66	148	Washer, Flat (M16)
26	800–3017–39	12	Screw, Hex Head (M10 x 1.5 x 35)
27	800–3017–42	4	Screw, Hex Head (M10 x 1.5 x 50)
28	800–3017–55	4	Screw, Hex Head (M12 x 1.75 x 35)
29	800–3017–57	12	Screw, Hex Head (M12 x 1.75 x 45)
30	800–3017–74	4	Screw, Hex Head (M16 x 2.0 x 50)
31	800–3017–78	24	Screw, Hex Head (M16 x 2.0 x 70)
32	800–3017–80	44	Screw, Hex Head (M16 x 2.0 x 80)
33	800–3017–82	4	Screw, Hex Head (M16 x 2.0 x 90)
34	850–0114–55	16	Washer, Lock (M10)
35	850–0114–56	16	Washer, Lock (M12)
36	850–0114–57	76	Washer, Lock (M16)
37	862–0026–56	10	Nut, Hex (M10)
38	862–0026–57	16	Nut, Hex (M12)
39	862–0026–58	72	Nut, Hex (M16)
40	130–7212–02	1	Tube, Water (Inlet BS Flanges)
41	130–7213–02	1	Tube, Water (Valve Out BS Flanges)
42	130–7214–02	1	Tube, Water (BS Flanges)
43	130–7291–02	1	Tube, Water (BSS4504 TEE)
44	504–0301	1	Valve, Ball (3 Way 2” DN80) – BS Flanges
45	504–0302	1	Valve, Ball (3 Way 3” DN80) – BS Flanges

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Cooling System
Flanges
C995 N5C, C1000 N6C, C1100 N6C, C1200 N5C, C1400 N5C



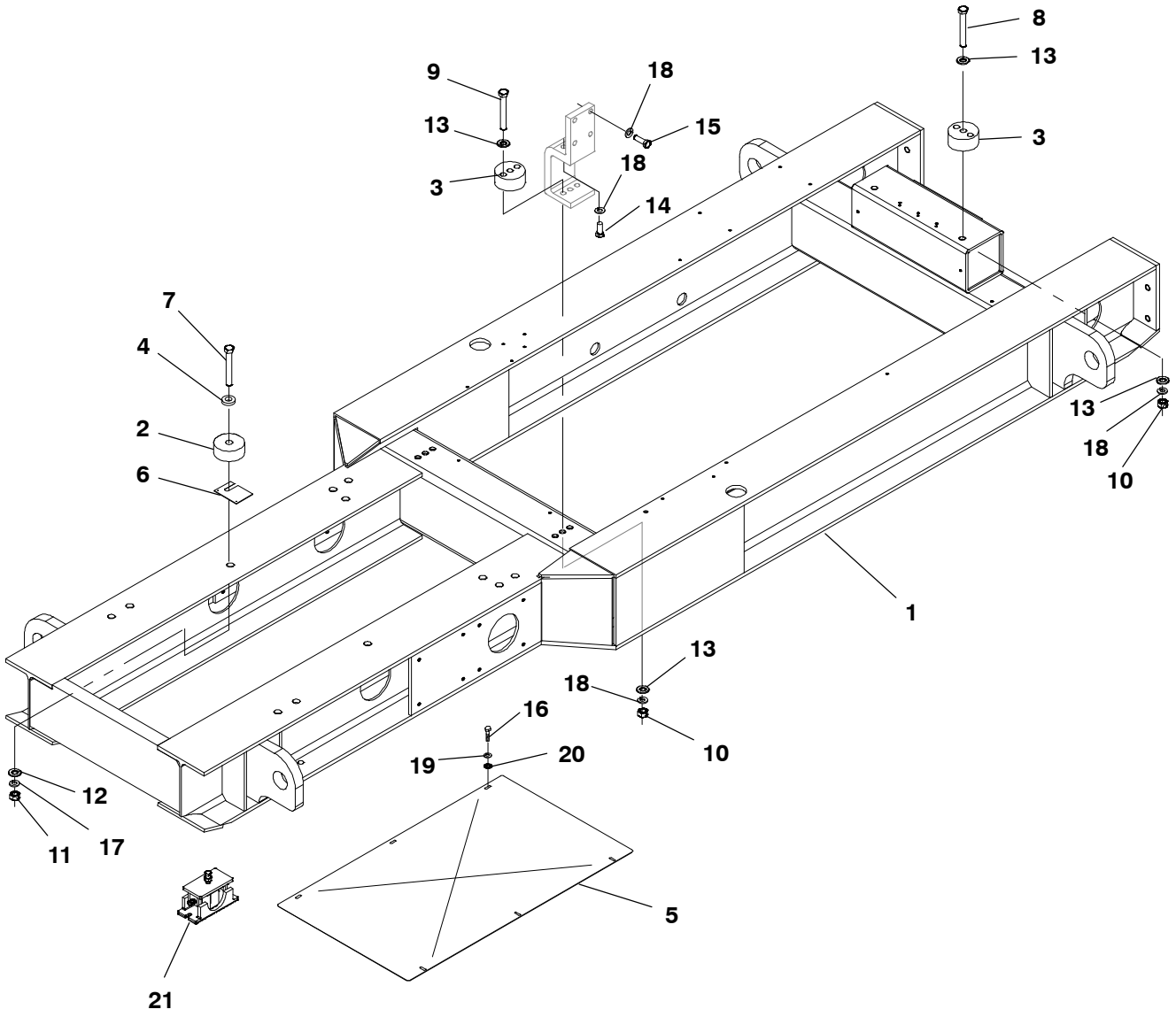
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Cooling System
Flanges
C995 N5C, C1000 N6C, C1100 N6C, C1200 N5C, C1400 N5C

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130–6405	3	Gasket, Radiator
2	130–7145	3	Gasket, Radiator
3	130–7223–02	2	Bracket, Tube (LT)
4	130–7224–02	1	Plate, Support (Ball Valve)
5	130–7225–02	1	Plate, Support (Flange)
6	130–7226–02	2	Bracket, Tube (Support Angle)
7	130–7227–02	1	Tube, Water (Tee) – ANSI Flanges
8	130–7231–02	1	Bracket, Tube (Angle Support)
9	130–7289–02	1	Tube, Water (Inlet Adapter) – ANSI Flanges
10	130–7290–02	1	Tube, Water (ANSI Adapter) – ANSI Flanges
11	130–7292–02	1	Tube, Water (ANSI 90° Elbow) – ANSI Flanges
12	502–1318	2	Adapter, Pipe
13	504–0294	1	Valve, Ball (3 Way 2” DN80) – ANSI Flanges
14	504–0295	1	Valve, Ball (3 Way 3” DN80) – ANSI Flanges
15	505–2264	1	Coupling, Pipe (4” NB TEEKAY)
16	526–0399–62	18	Washer, Flat (M10)
17	526–0399–64	16	Washer, Flat (M12)
18	526–0399–66	120	Washer, Flat (M16)
19	800–3017–39	8	Screw, Hex Head (M10 x 1.5 x 35)
20	800–3017–42	4	Screw, Hex Head (M10 x 1.5 x 50)
21	800–3017–55	4	Screw, Hex Head (M12 x 1.75 x 35)
22	800–3017–57	4	Screw, Hex Head (M12 x 1.75 x 45)
23	800–3017–78	20	Screw, Hex Head (M16 x 2.0 x 70)
24	800–3017–80	36	Screw, Hex Head (M16 x 2.0 x 80)
25	800–3017–82	4	Screw, Hex Head (M16 x 2.0 x 90)
26	850–0114–55	12	Washer, Lock (M10)
27	850–0114–56	8	Washer, Lock (M12)
28	850–0114–57	60	Washer, Lock (M16)
29	862–0026–56	6	Nut, Hex (M10)
30	862–0026–57	8	Nut, Hex (M12)
31	862–0026–58	60	Nut, Hex (M16)
32	130–7212–02	1	Tube, Water (Inlet BS Flanges)
33	130–7213–02	1	Tube, Water (Valve Out BS Flanges)
34	130–7214–02	1	Tube, Water (BS Flanges)
35	130–7291–02	1	Tube, Water (BSS4504 TEE)
36	504–0301	1	Valve, Ball (3 Way 2” DN80) – BS Flanges
37	504–0302	1	Valve, Ball (3 Way 3” DN80) – BS Flanges

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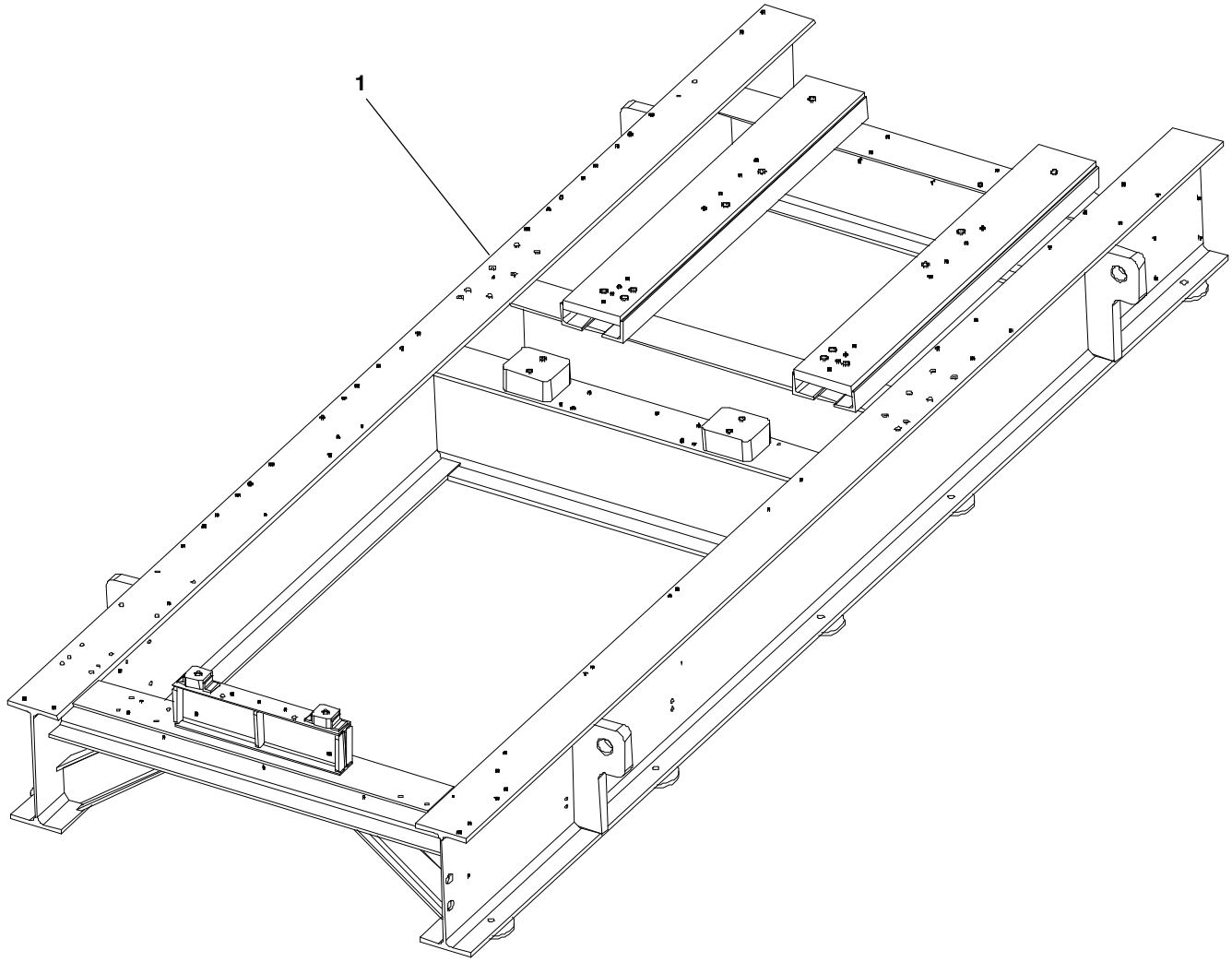
Skid
C1000 N6, C1160 N5C, C1250 N6, C1350 N6, C1400 N6C



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	403–6143–02	1	Skid
2	232–4061	4	Spacer, Generator Mounting (1–1/16" ID x 5" OD x 2–1/8" Thk)
3	403–4332	4	Spacer, Engine Mounting (1" ID x 5" OD x 2–9/32" Thk)
4	526–0460–02	4	Washer, Generator Mounting
5	405–8293–02	1	Tray, Cable
6			Shim, Generator Mounting (Quantity Used As Required)
	232–3710–01	1	.0239" Thk
	232–3710–02	1	.0747" Thk
	232–3710–03	1	.1345" Thk
	232–3710–07	1	.0149" Thk
7	800–3048–01	4	Screw, Cap – Hex Head (M24 x 3 x 170mm)
8	800–3047–02	2	Screw, Cap – Hex Head (M20 x 160mm)
9	800–3047–03	4	Screw, Cap – Hex Head (M20 x 2.5 x 130mm)
10	860–2023–01	6	Nut, Hex (M20)
11	860–2024–01	4	Nut, Hex (M24)
12	526–0399–78	4	Washer, Flat (M24)
13	526–0399–76	12	Washer, Flat (M20)
14	800–3017–93	4	Screw, Cap – Hex Head (M20 x 2.5 x 70mm)
15	800–3017–91	8	Screw, Cap – Hex Head (M20 x 2.5 x 60mm)
16	800–3017–17	6	Screw, Cap – Hex Head (M8 x 1.25 x 12mm)
17	850–0114–59	4	Washer, Lock – Spring (M24)
18	850–0114–58	18	Washer, Lock – Spring (M20)
19	850–0114–54	6	Washer, Lock – Spring (M8)
20	526–0399–61	6	Washer, Flat (M8)
21	402–0750–01	8	Isolator, Vibration – Spring

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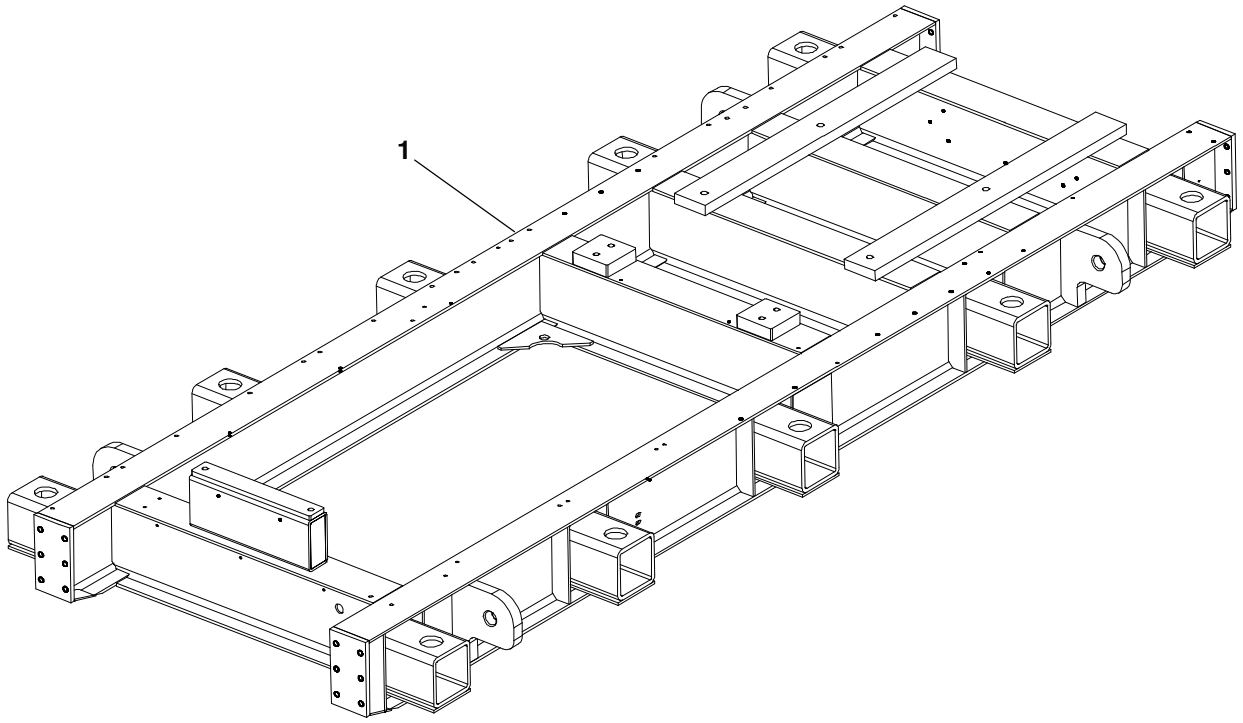
Skid
C995 N5C, C1000 N6C, C1100 N6C, C1200 N5C, C1400 N5C



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Skid				
	403–6142–02		DIG and DSG				
	403–6143–02		P7, MV7 and P80				

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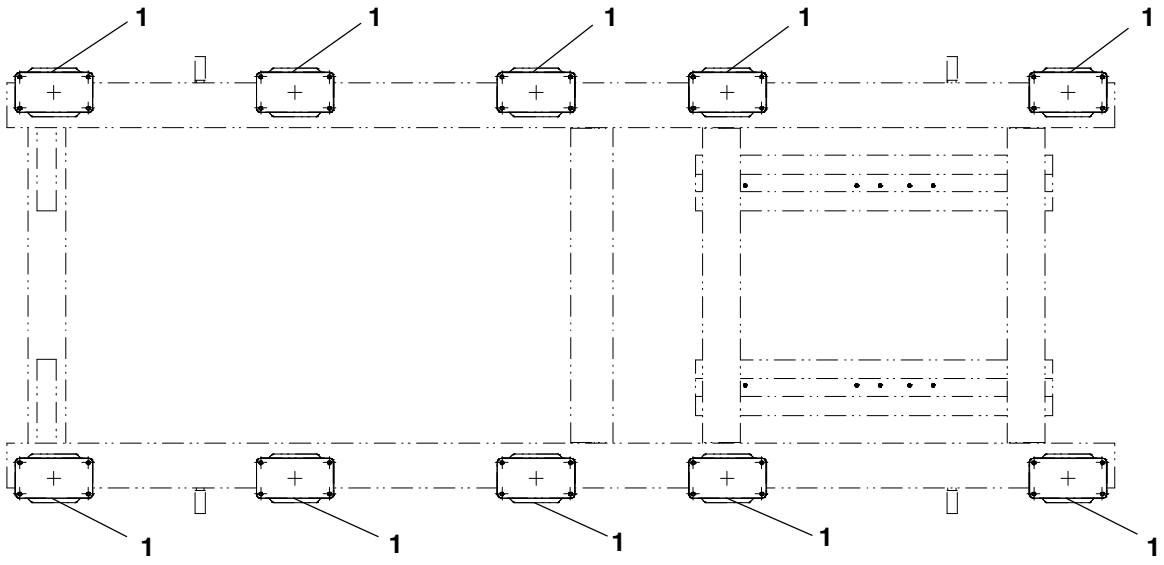
Skid
QSK60G Low Rise



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	A041X348	1	Skid, Low Rise				

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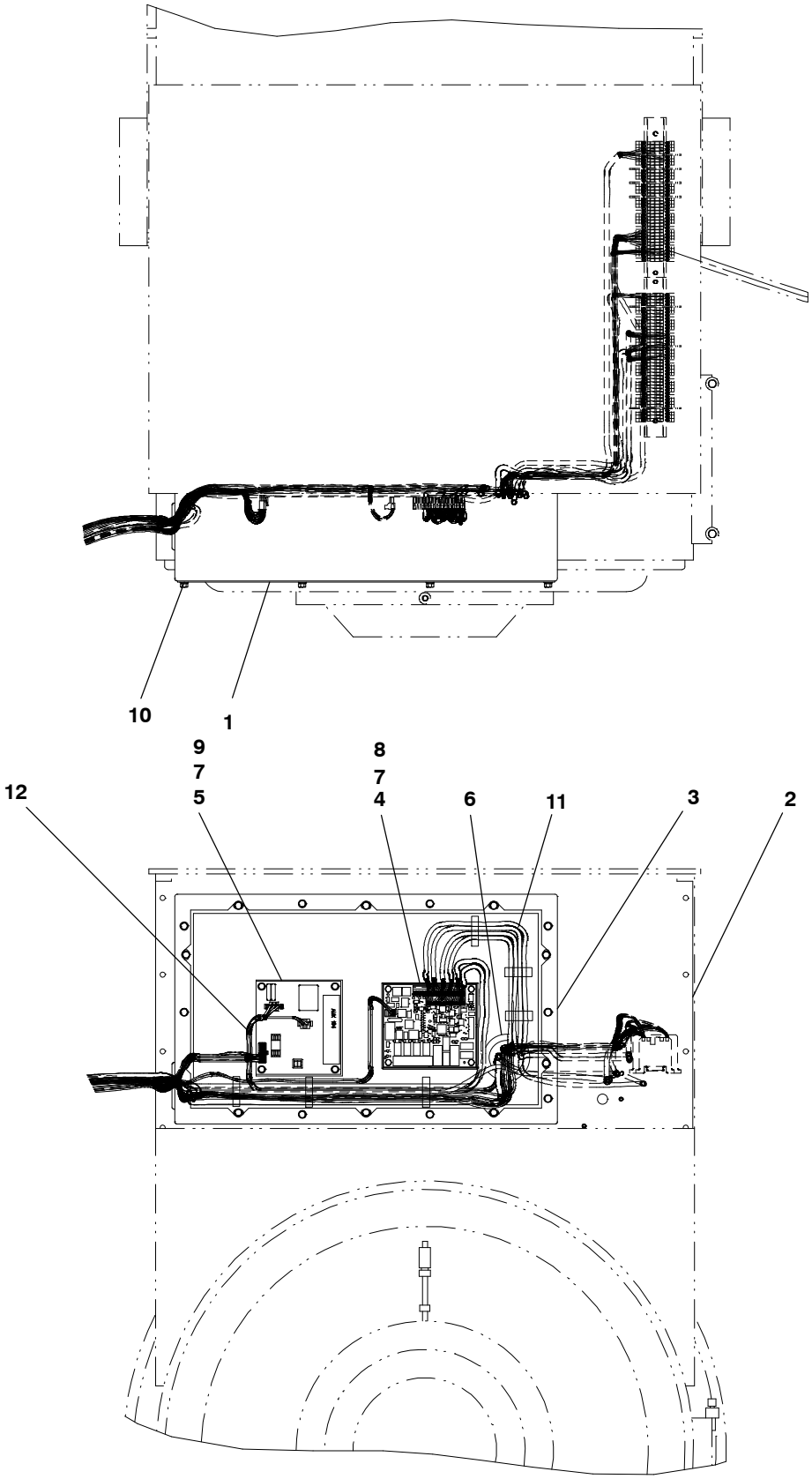
Vibration Isolator



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	402−0880	10	Isolator, Vibration (Spring LR4800)				

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Alternator Control Panel



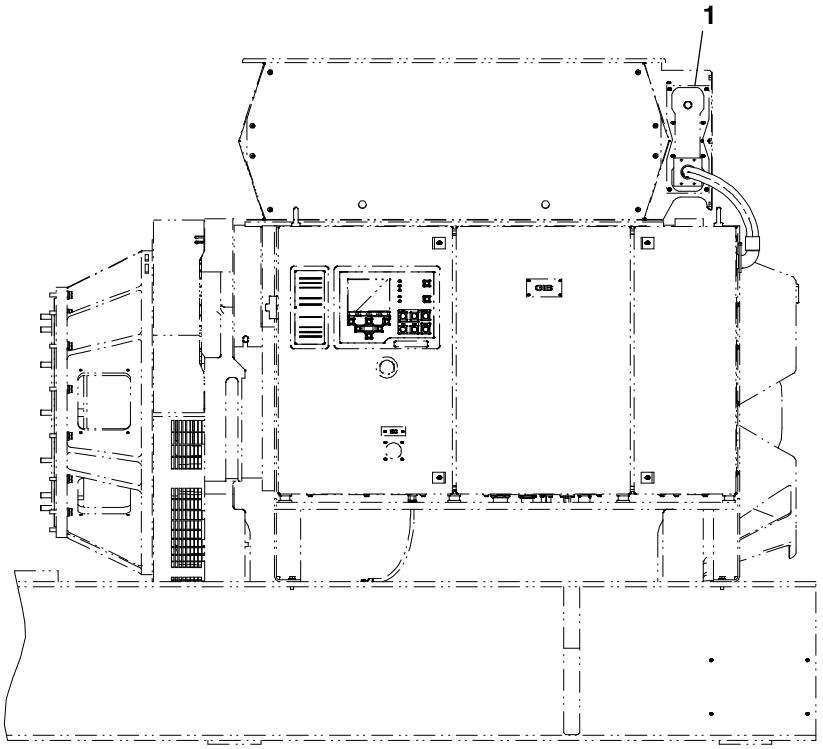
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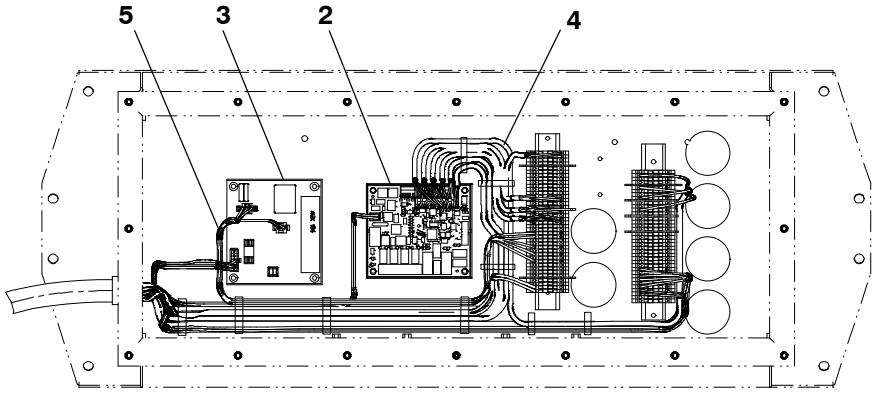
Alternator Control Panel

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319–5374–02	1	Cover, Box – Alternator
2	319–6197–02	1	Panel, Control Box
3	319–6218–02	1	Box, Control
4	A029P569	1	Card, Input Output
5	327–1593	1	Card, Control
6	508–1119	2	Grommet
7	526–0399–56	8	Washer, Flat (M5)
8	800–0309–90	4	Screw, Hex Head
9	800–0309–91	4	Screw, Hex Head
10	821–6002–02	20	Screw, Cap – Hex Head (M6 x 1.0 x 12)
11	A026G283	1	Harness, Alternator
12	A026G873	1	Harness, Alternator

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Control Panel

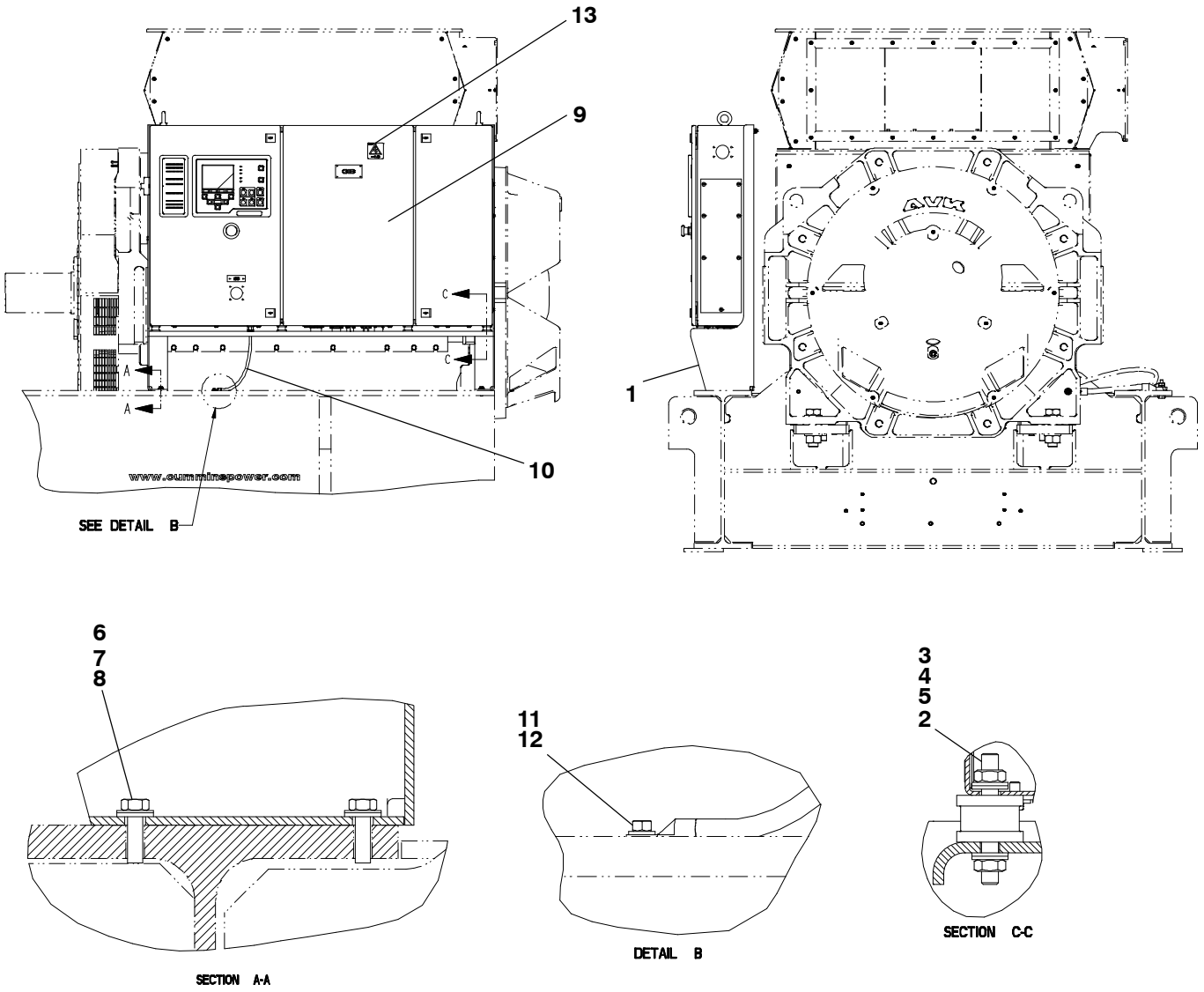




REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319–6203–02	1	Plate, Mounting (Gland Plate)
2	327–1761	1	Board, Printed Circuit
3	327–1593	1	Card, Control
4	A026G283	1	Harness, Alternator
5	A026G873	1	Harness, Alternator

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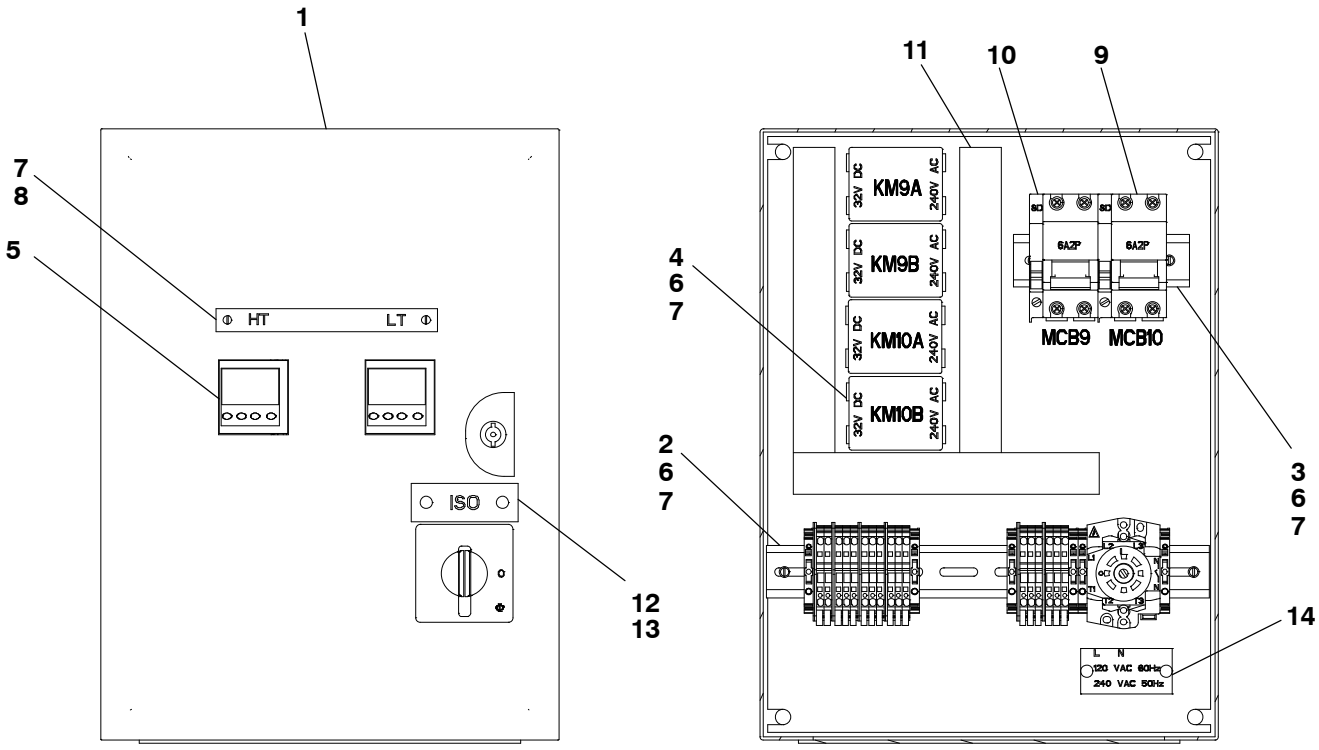
Control Panel



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319–7420	1	Bracket, Control Box
2	403–4916	10	Isolator, Vibration
3	526–0399–60	20	Washer, Flat
4	850–0114–54	20	Washer, Lock
5	862–0026–55	20	Nut, Hex
6	526–0399–62	4	Washer, Flat
7	850–0114–55	4	Washer, Lock
8	800–3017–38	4	Screw, Hex Head
9	A026F938	1	Cabinet, Control
10	226–4929–02	1	Lead, Earth
11	526–0399–58	1	Washer, Flat
12	800–3017–03	1	Screw, Hex Head
13	098–8104–05	1	Label, Warning

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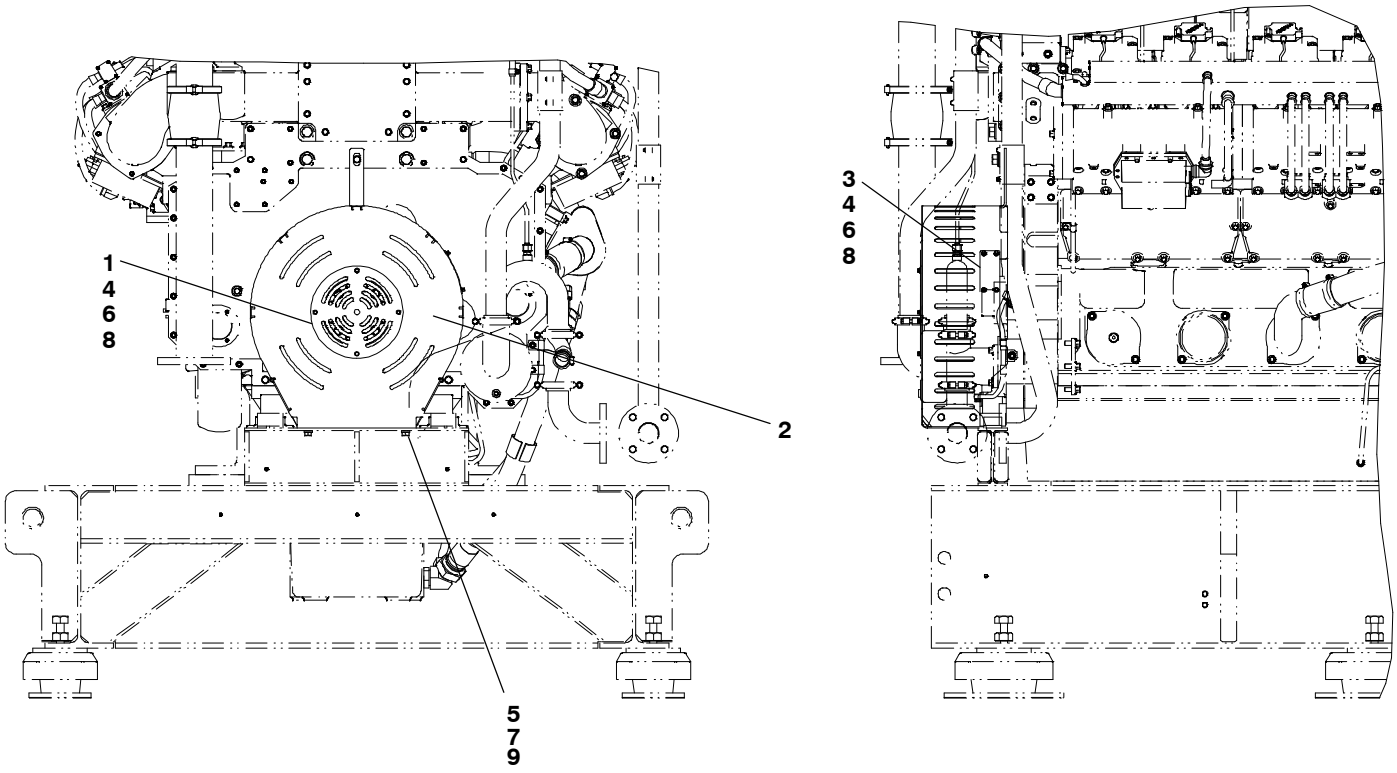
Coolant Control Panel



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319–7442	1	Box, Control
2	332–4440	1	Rail, Terminal Block (See Page 62 for Components)
3	332–4196	1	Rail, Terminal Block
4	307–3100	4	Relay, Control
5	307–3121	2	Relay, Temperature
6	526–0399–52	18	Washer, Flat
7	815–1540–03	20	Screw, Slotted – Fillister Head
8	098–8629	1	Label, Information
9	320–2415	2	Breaker, Circuit
10	249–0839	2	Switch, Auxiliary Trip
11	331–0633–03	3	Duct, Wiring
12	098–8623	1	Label, Information
13	A026M966	4	Rivet, Dome Head
14	A028X552	1	Label, Information

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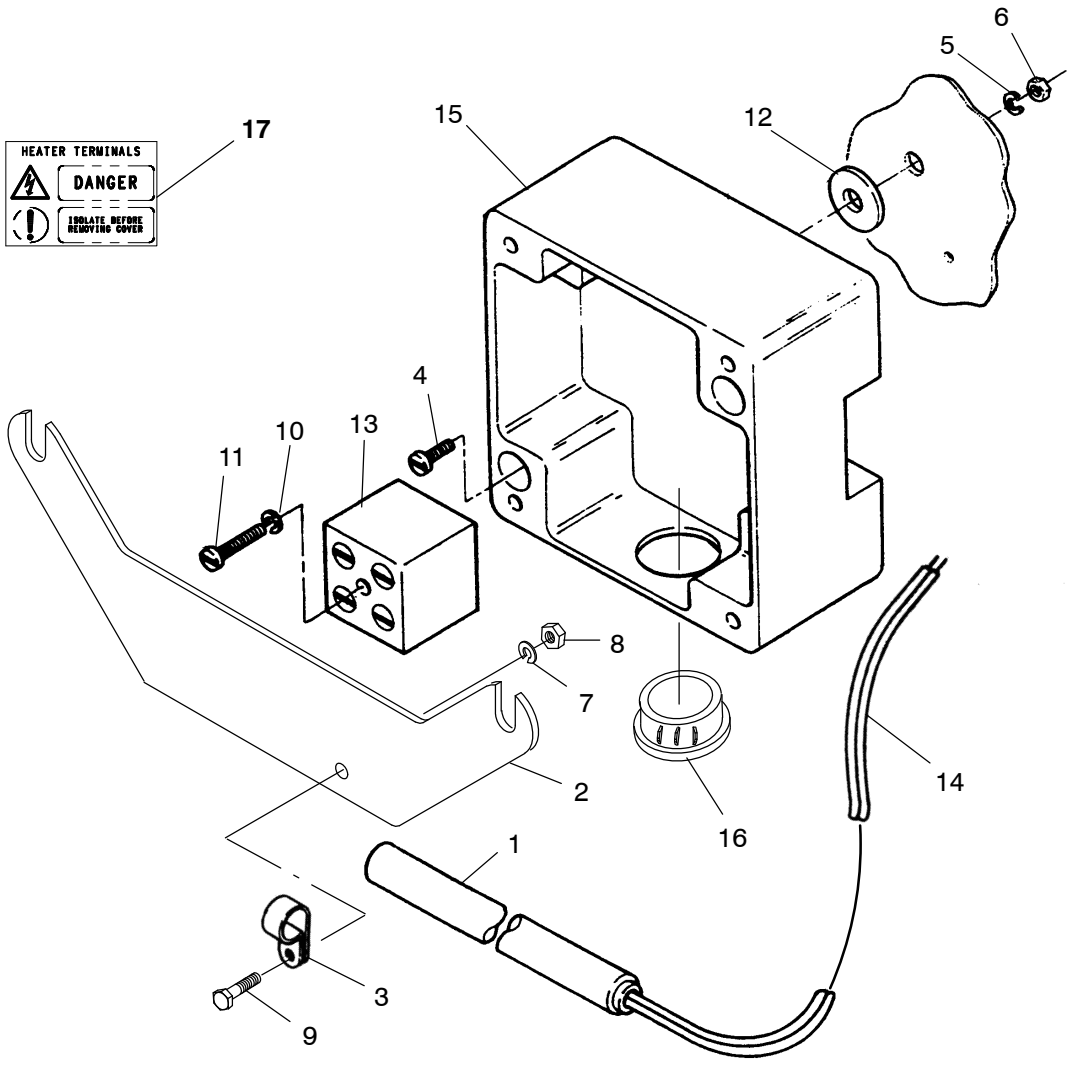
Damper Guard
C995 N5C, C1000 N6C, C1100 N6C, C1200 N5C, C1400 N5C



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	104–2077–02	1	Damper, Crankshaft (Cover)
2	104–2078–02	1	Damper, Crankshaft (Guard)
3	104–2079–02	1	Damper, Crankshaft (Cover Plate)
4	526–0399–58	8	Washer, Flat (M6)
5	526–0399–64	2	Washer, Flat (M12)
6	800–3017–02	8	Screw, Hex Head (M6 x 1.0 x 12)
7	800–3017–54	2	Screw, Hex Head (M12 x 1.75 x 30)
8	850–0114–53	8	Washer, Lock (M6)
9	850–0114–56	2	Washer, Lock (M12)

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Generator Heater



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Cartridge, Heater (300 Watt)
	333–0438–05	1	110/125 Volts
	333–0438–06	1	220/260 Volts
2	232–3849	1	Bracket, Mounting – Heater
3	332–3024–14	2	Clamp, Loop
4	822–3075	2	Screw, Machine – Slotted Pan Head (M4 x 16mm)
5	856–0021	2	Washer – W/EIT (M4)
6	860–2005	2	Nut, Hex (M4)
7	850–2005	2	Washer, Lock – Spring (M5)
8	860–2006	2	Nut, Hex (M5)
9	800–2008	2	Screw, Cap – Hex Head (M5 x 16mm)
10	850–2003	1	Washer, Lock – Spring (M3)
11	822–3047	1	Screw, Machine – Pan Head (M3 x 20mm)
12	508–0228	1	Grommet
13	332–3023	1	Block, Terminal
14	898–1254–25	1	Sleeving – Heater Leads (59”)
15	330–0142	1	Box, Terminal
16	517–0021	1	Plug, Dot Button
17	098–7281	1	Label, Heater Warning

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Generator

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

Cummins Power Generation Identification Number	Generator Model Number
200−3070−03	HC734F
200−3070−14	HC734F
200−3070−15	HC734G
200−3070−17	HC734H
200−3070−25	HC734G
200−3071−03	CG734F
200−3071−14	CG734F
200−3071−15	CG734G
200−3071−17	CG734H
200−3071−25	CG734G
200−3100−05	MV734G
200−3100−07	MV734H
200−3101−05	MV734G
200−3101−07	MV734H
200−3105−01	HC734E
200−3105−03	HC734F
200−3105−14	HC734F
200−3105−15	HC734G
200−3105−17	HC734H
200−3105−25	HC734G
200−3106−03	CG734F
200−3106−14	CG734F
200−3106−15	CG734G
200−3106−17	CG734H
200−3106−25	CG734G
200−3107−15	HC736G
	Continued...

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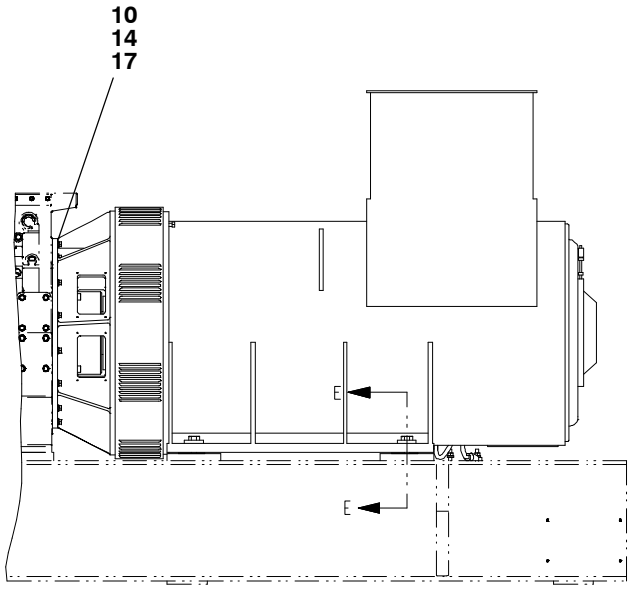
Cummins Power Generation Identification Number	Generator Model Number
Continued...	
200–3109–02	HVSI814C
200–3109–12	HVSI814C
200–3109–13	HVSI814D
200–3110–02	HVSI814C
200–3110–12	HVSI814C
200–3110–13	HVSI814D
200–3200–01	PE734C
200–3200–02	PE734C
200–3200–03	PE734C
200–3200–06	PE734C
200–3200–07	PE734D
200–3200–08	PE734D
200–3200–09	PE734D
200–3200–10	PE734D
200–3200–11	PE734E
200–3200–12	PE734E
200–3200–15	PE734E
200–3200–16	PE734E
200–3200–17	PE734E
200–3200–18	PE734E
200–3200–30	PE734F
200–3200–31	PE734F
200–3200–32	P734F
200–3200–43	P736F
200–3200–44	P736F
200–3200–47	P736F
200–3200–48	P736F
200–3200–49	P736F
200–3200–50	P736F
200–3200–51	P736F
200–3200–52	P736F
	Continued...

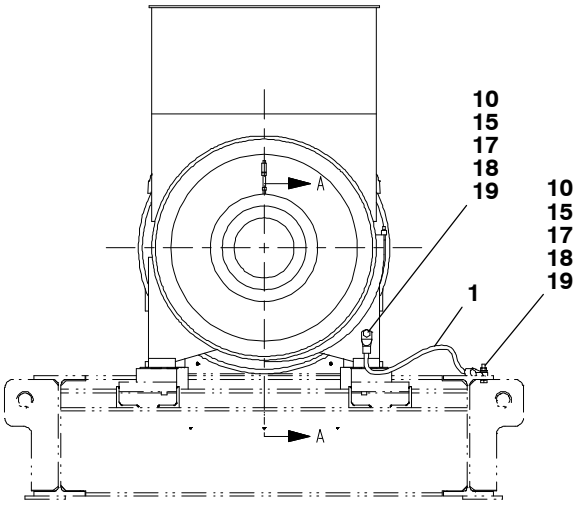
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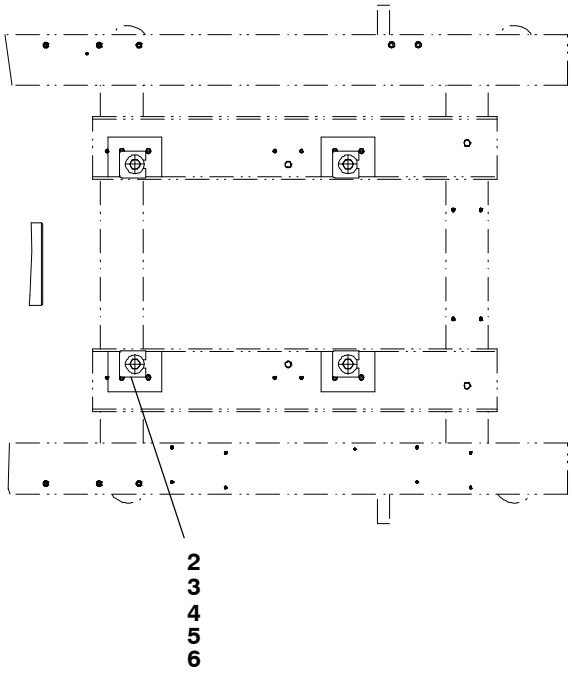
Cummins Power Generation Identification Number	Generator Model Number
Continued...	
200–3200–53	P736F
200–3200–54	P736F
200–3200–59	P736G
200–3200–66	MVWI734G
200–3200–67	MVWI734H
200–3212–07	P80R
200–3212–11	HVSI804R
200–3212–12	P80R
200–3212–13	HVSI804R
200–3212–14	P80R
200–3212–15	HVSI804R
200–3212–16	P80R
200–3212–17	HVSI804R
200–3212–67	LVSI804R

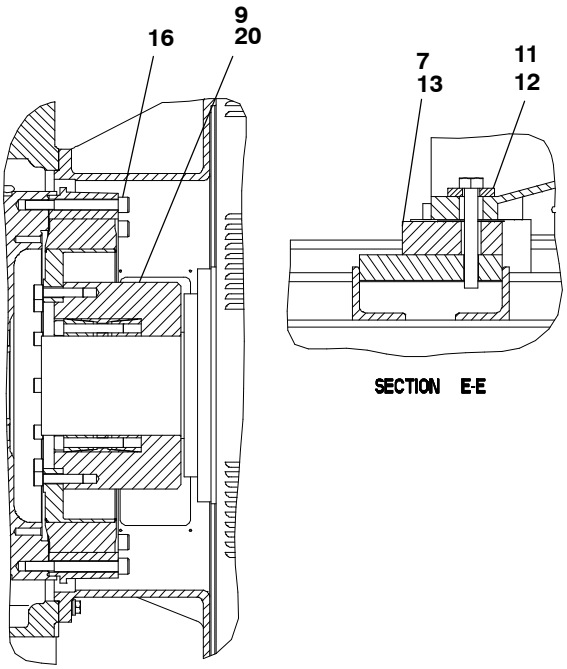
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Generator Fasteners
50Hz/60Hz P7F/G
C995 N5C, C1000 N6C, C1100 N6C, C1200 N5C, C1400 N5C









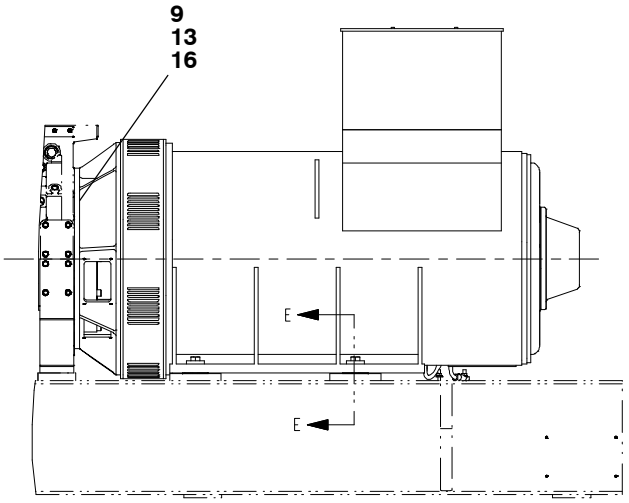
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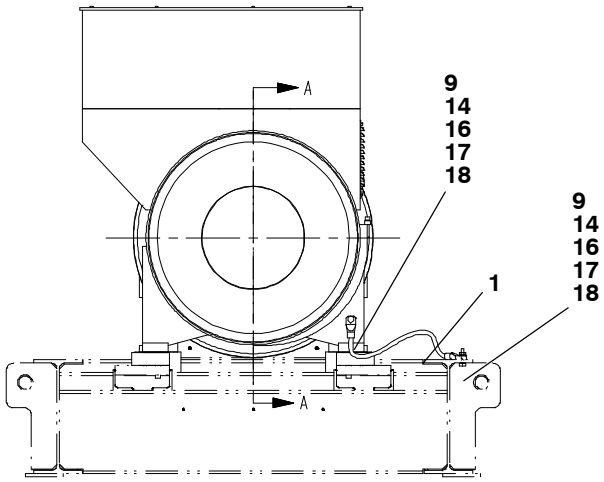
Generator Fasteners
50Hz/60Hz P7F/G
C995 N5C, C1000 N6C, C1100 N6C, C1200 N5C, C1400 N5C

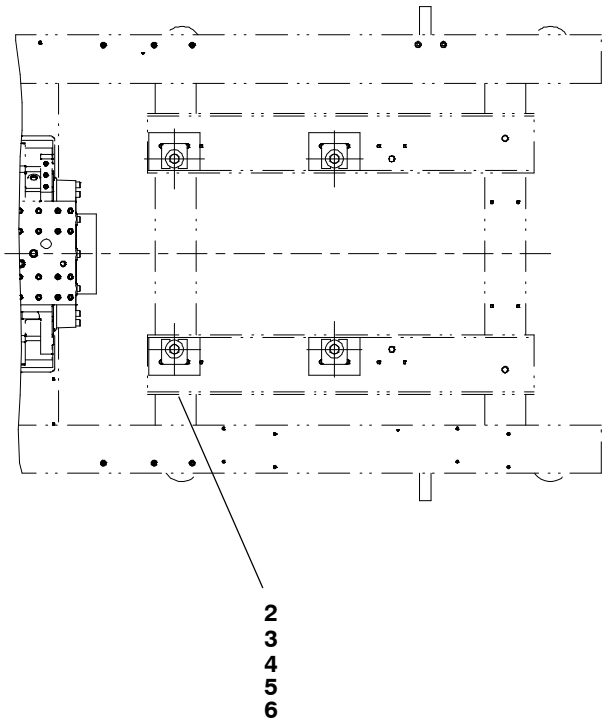
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	226–4921–01	1	Lead (Earth Strap)
2	232–4164–01	A/R	Shim, Generator (0.1mm Thick)
3	232–4164–02	A/R	Shim, Generator (0.2mm Thick)
4	232–4164–03	A/R	Shim, Generator (0.5mm Thick)
5	232–4164–04	A/R	Shim, Generator (1.0mm Thick)
6	232–4164–05	A/R	Shim, Generator (2.0mm Thick)
7	403–6144–02	4	Spacer, Generator
8	509–0449	A/R	Seal, Oil
9	512–0364–01	1	Coupling, Flex – 50Hz P7F/G
10	526–0399–64	19	Washer, Flat (M12)
11	526–0460–02	4	Washer, Generator Mounting
12	718–1184	4	Screw, Hex Head (M24 x 3 x 150)
13	725–1109	8	Screw, Cap – Socket Head (M12 x 70)
14	800–3017–57	16	Screw, Hex Head (M12 x 1.75 x 45)
15	800–6288–12	3	Screw, Hex Head (M12 x 1.75 x 60)
16	802–2545–09	12	Screw, Socket Head (M16 x 140)
17	850–0114–56	19	Washer, Lock (M12)
18	853–0040–57	3	Washer, Lock – W/ET (M12)
19	862–0026–57	3	Nut, Hex (M12)
20	512–0364–02	1	Coupling, Flex – 60Hz P7F/G

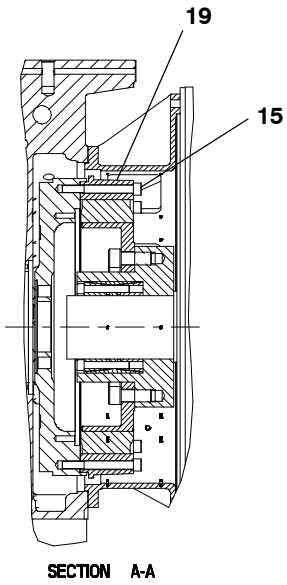
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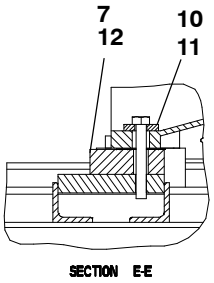
Generator Fasteners
MV7 P7E
C995 N5C, C1000 N6C, C1100 N6C, C1200 N5C, C1400 N5C











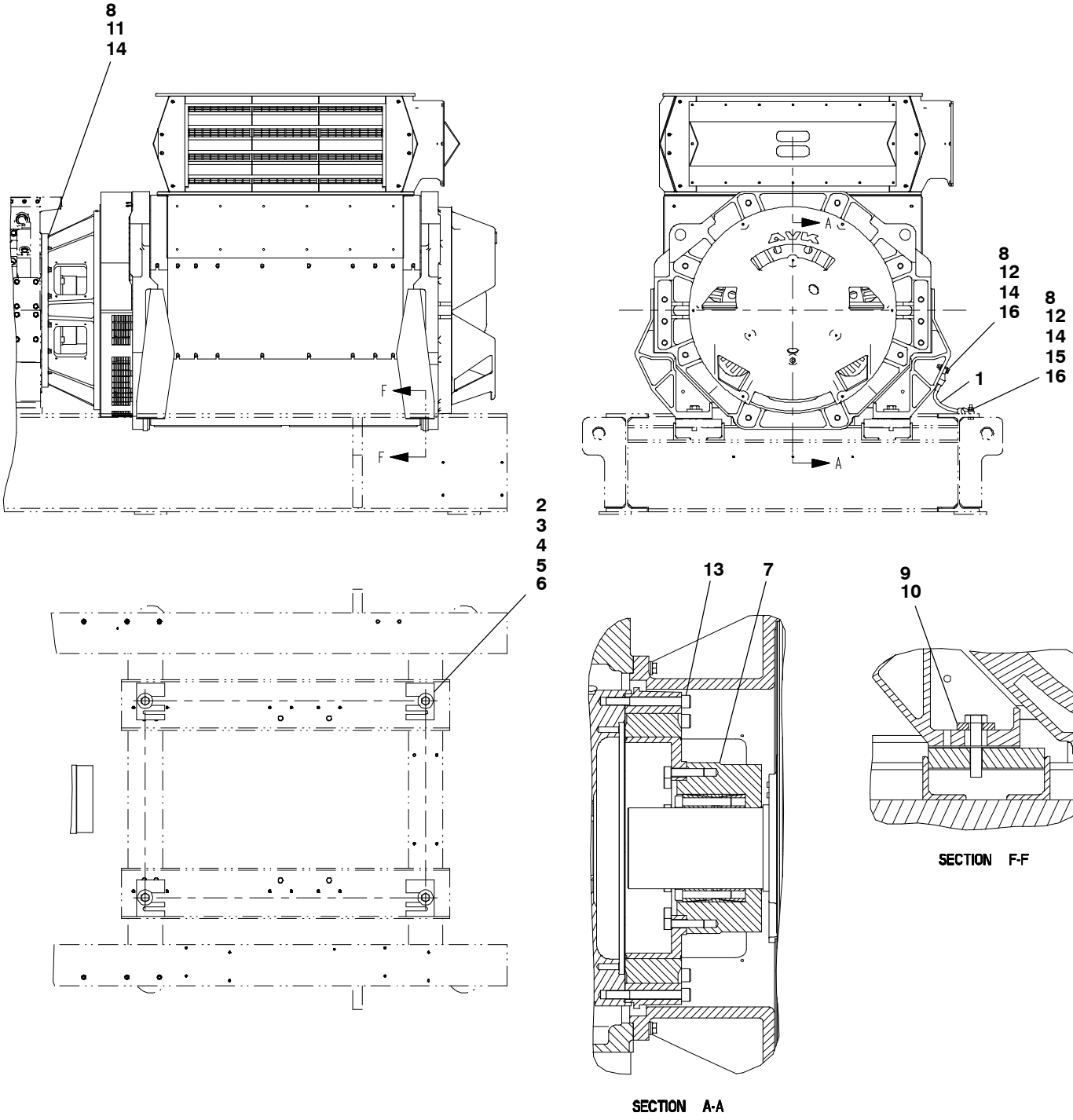
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Generator Fasteners
MV7 P7E
C995 N5C, C1000 N6C, C1100 N6C, C1200 N5C, C1400 N5C

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	226–4921–01	1	Lead (Earth Strap)
2	232–4164–01	A/R	Shim, Generator (0.1mm Thick)
3	232–4164–02	A/R	Shim, Generator (0.2mm Thick)
4	232–4164–03	A/R	Shim, Generator (0.5mm Thick)
5	232–4164–04	A/R	Shim, Generator (1.0mm Thick)
6	232–4164–05	A/R	Shim, Generator (2.0mm Thick)
7	403–6144–02	4	Spacer, Generator
8	509–0449	A/R	Seal, Oil
9	526–0399–64	19	Washer, Flat (M12)
10	526–0460–02	4	Washer, Generator Mounting
11	718–1184	4	Screw, Hex Head (M24 x 3 x 150)
12	725–1109	8	Screw, Cap – Socket Head (M12 x 70)
13	800–3017–57	16	Screw, Hex Head (M12 x 1.75 x 45)
14	800–6288–12	3	Screw, Hex Head (M12 x 1.75 x 60)
15	802–2545–09	12	Screw, Socket Head (M16 x 140)
16	850–0114–56	19	Washer, Lock (M12)
17	853–0040–57	3	Washer, Lock – W/ET (M12)
18	862–0026–57	3	Nut, Hex (M12)
19	512–0365	1	Coupling, Flex – MVP7 P7E

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Generator Fasteners
P80
C995 N5C, C1000 N6C, C1100 N6C, C1200 N5C, C1400 N5C



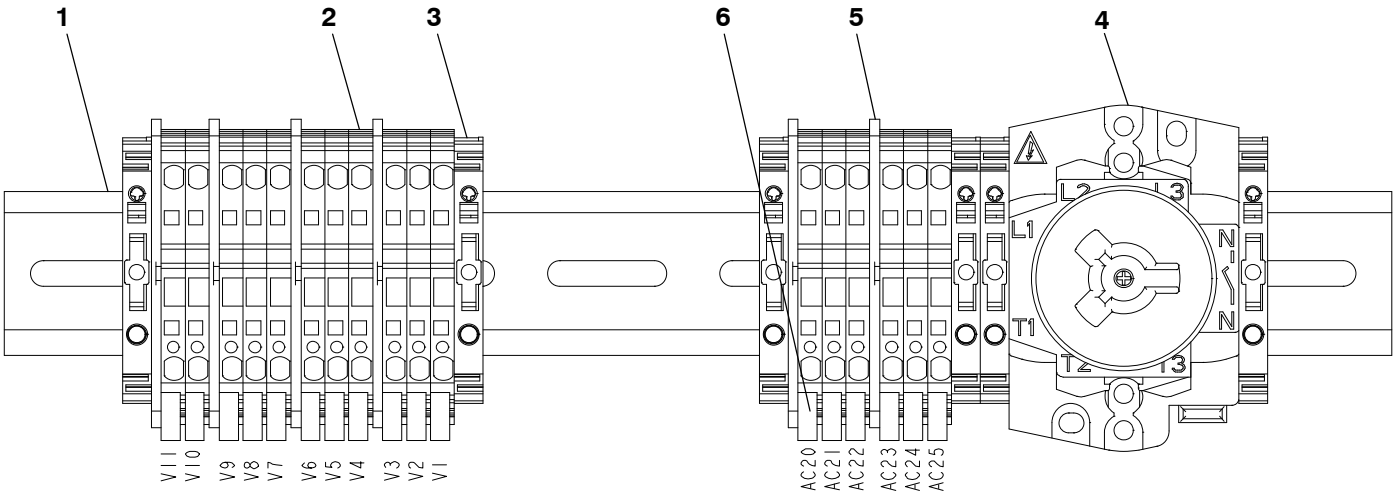
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Generator Fasteners
P80
C995 N5C, C1000 N6C, C1100 N6C, C1200 N5C, C1400 N5C

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	226–4921–01	1	Lead (Earth Strap)
2	232–4168–01	A/R	Shim, Generator (0.1mm Thick)
3	232–4168–02	A/R	Shim, Generator (0.2mm Thick)
4	232–4168–03	A/R	Shim, Generator (0.5mm Thick)
5	232–4168–04	A/R	Shim, Generator (1.0mm Thick)
6	232–4168–05	A/R	Shim, Generator (2.0mm Thick)
7	512–0363–01	1	Coupling, Flex
8	526–0399–64	20	Washer, Flat (M12)
9	526–0460–02	4	Washer, Generator Mounting
10	718–1179	4	Screw, Hex Head (M24 x 3 x 100)
11	800–3017–58	17	Screw, Hex Head (M12 x 1.75 x 50)
12	800–6288–12	2	Screw, Hex Head (M12 x 1.75 x 60)
13	802–2545–09	12	Screw, Socket Head (M16 x 140)
14	850–0114–56	19	Washer, Lock (M12)
15	853–0040–57	2	Washer, Lock – W/ET (M12)
16	862–0026–57	3	Nut, Hex (M12)

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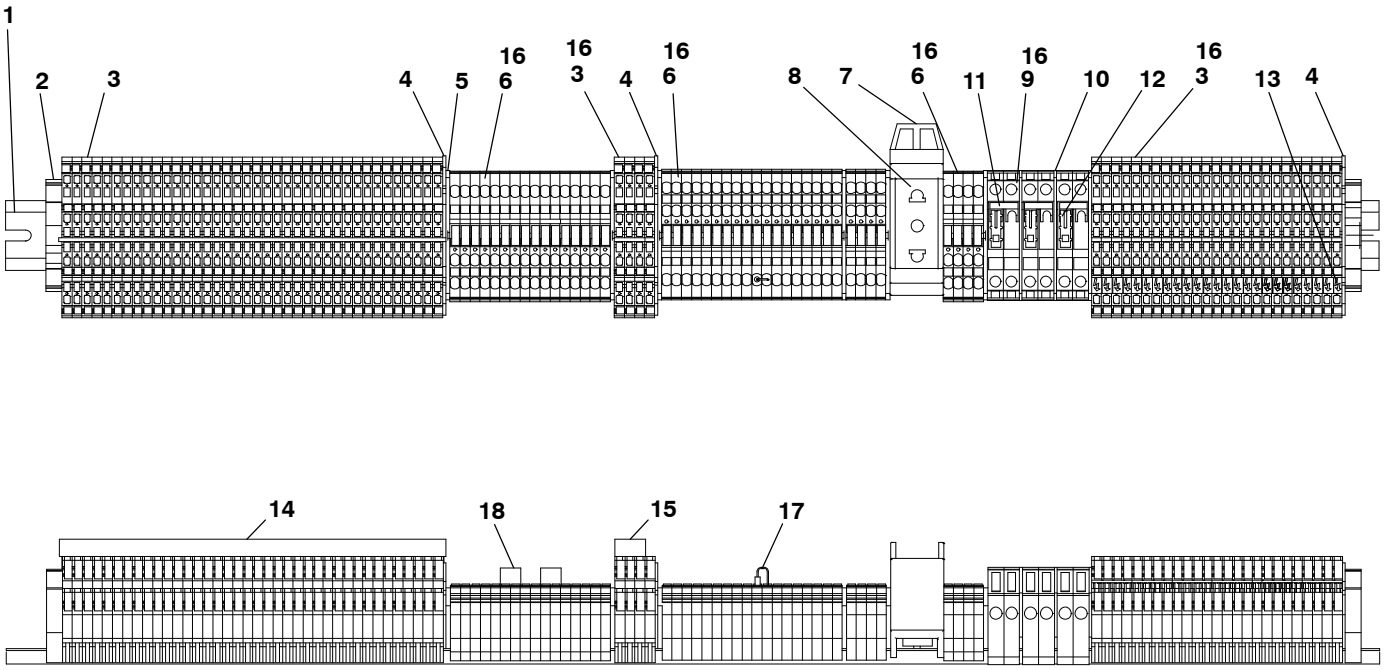
Terminal Block



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332–4196	1	Rail, Terminal Block
2	332–4275–01	17	Block, Terminal
3	332–4269	6	Block, Terminal
4	A028Y310	1	Switch, Disconnect
5	332–4270–02	6	Cover, Terminal Box
6	332–3939–17	17	Strip, Marker

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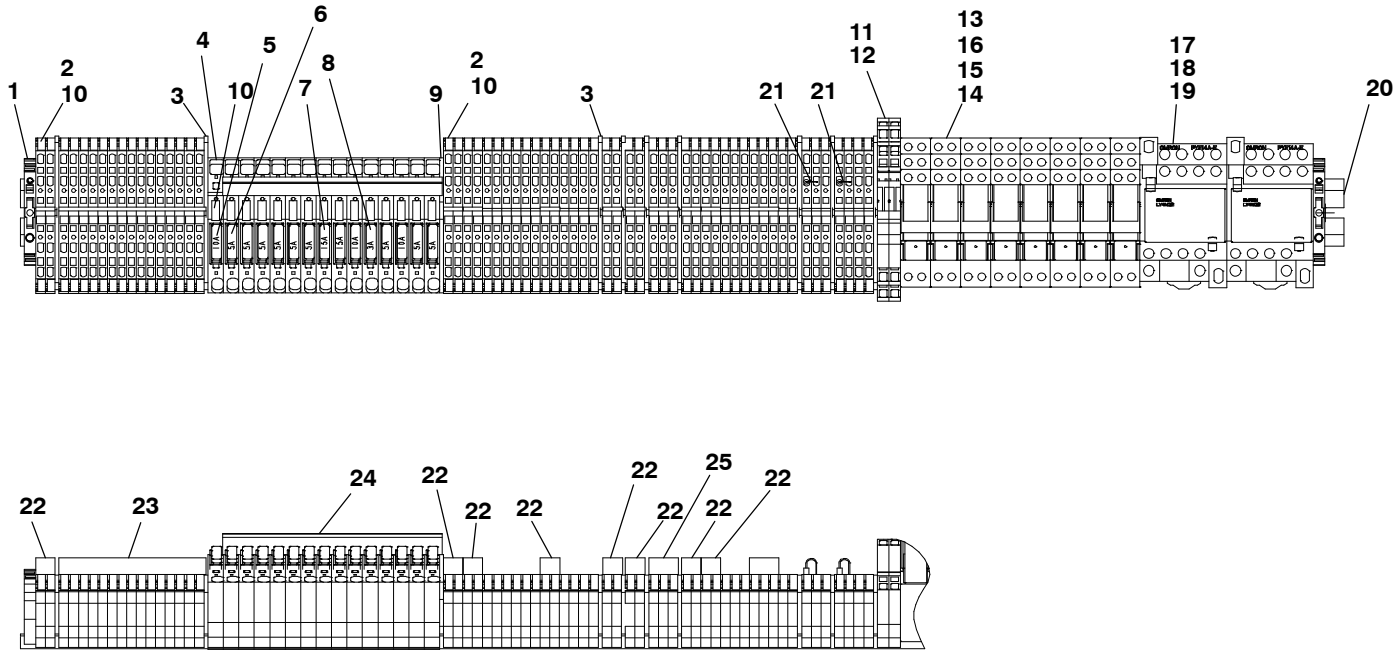
Terminal Block
Customer I/O



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332−2879−01	1	Rail, Terminal
2	A028T755	2	Support, End
3	332−4404	67	Block, Terminal
4	332−4432	3	Block, Terminal
5	332−4270−02	6	Cover, Terminal Box
6	332−4275−02	42	Block, Terminal
7	A026K527	1	Housing, Receptacle
8	A026K525	1	Connector, Receptacle
9	A028T521	6	Connector
10	A028T567	3	Connector
11	A028T563	3	Connector
12	A028T569	3	Connector
13	332−4427	7	Strip, Marker
14	332−4409−38	1	Jumper, Terminal
15	332−4409−03	1	Jumper, Terminal
16	332−3939−17	322	Strip, Marker
17	350−1245	1	Resistor
18	332−4409−02	2	Jumper, Terminal

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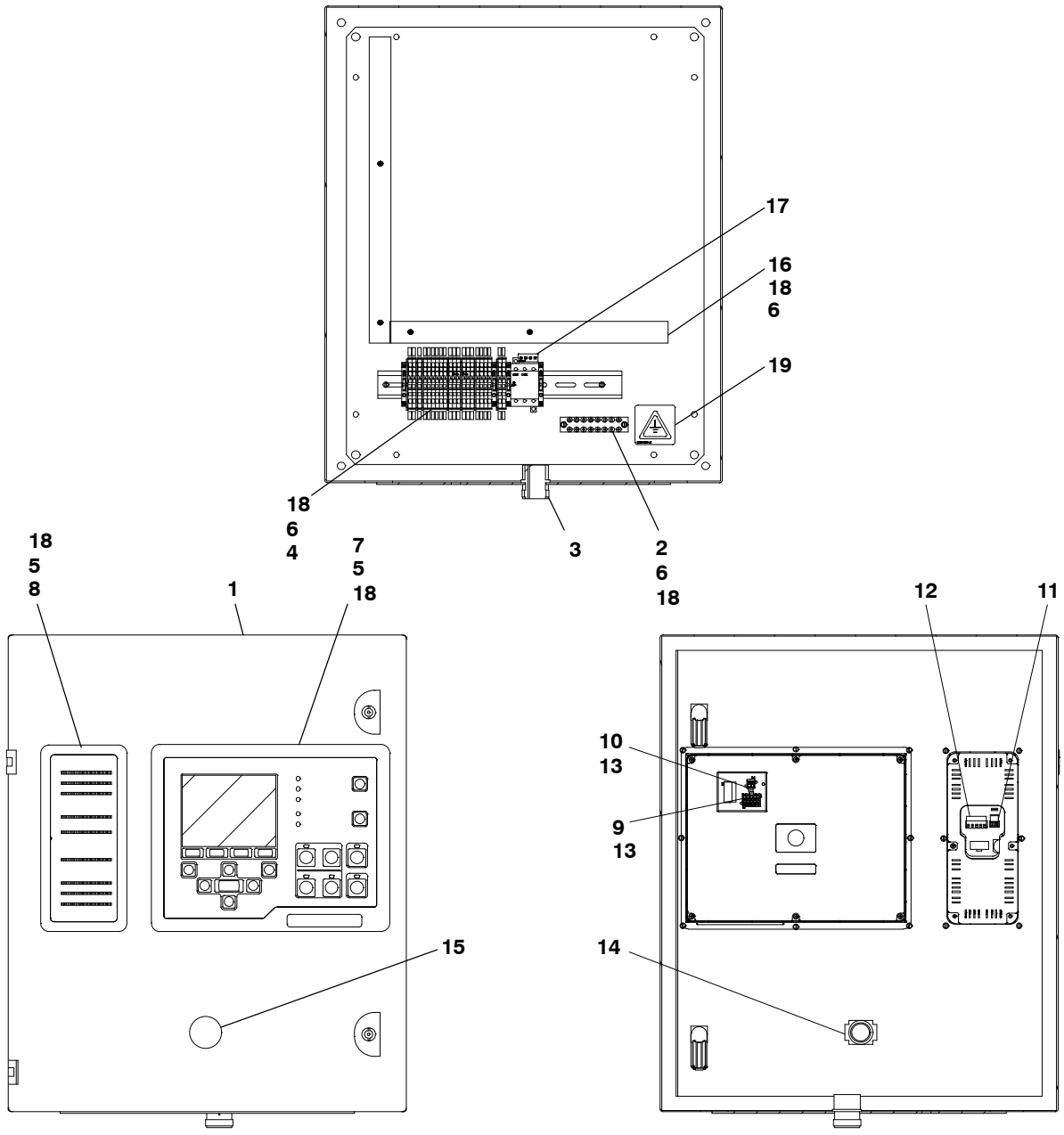
Terminal Block
Fuse



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332–4269	2	Block, Terminal
2	332–4275–03	59	Block, Terminal
3	332–4270–03	9	Block, Terminal
4	321–0459	15	Holder, Fuse
5	321–0307–05	3	Fuse, Fast
6	321–0307–03	9	Fuse, Fast
7	321–0307–06	2	Fuse, Fast
8	321–0307–01	1	Fuse, Fast
9	332–4410	1	Block, Terminal
10	332–3939–17	134	Strip, Marker
11	307–3177	2	Base, Relay
12	307–3179	2	Relay
13	307–3178	8	Base, Relay
14	307–3181	8	Bracket, Relay
15	307–3180	8	Relay
16	322–0524	8	Module
17	307–3011	2	Base, Relay
18	307–3168	2	Relay
19	249–0819	4	Clip, Relay
20	332–2879–01	1	Rail, Terminal
21	350–1245	2	Resistor
22	332–4409–02	8	Jumper, Terminal
23	332–4409–15	1	Jumper, Terminal
24	A026N219	1	Jumper, Terminal
25	332–4409–03	2	Jumper, Terminal

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Remote Panel
HMI 320 UMI114



EXTERNAL

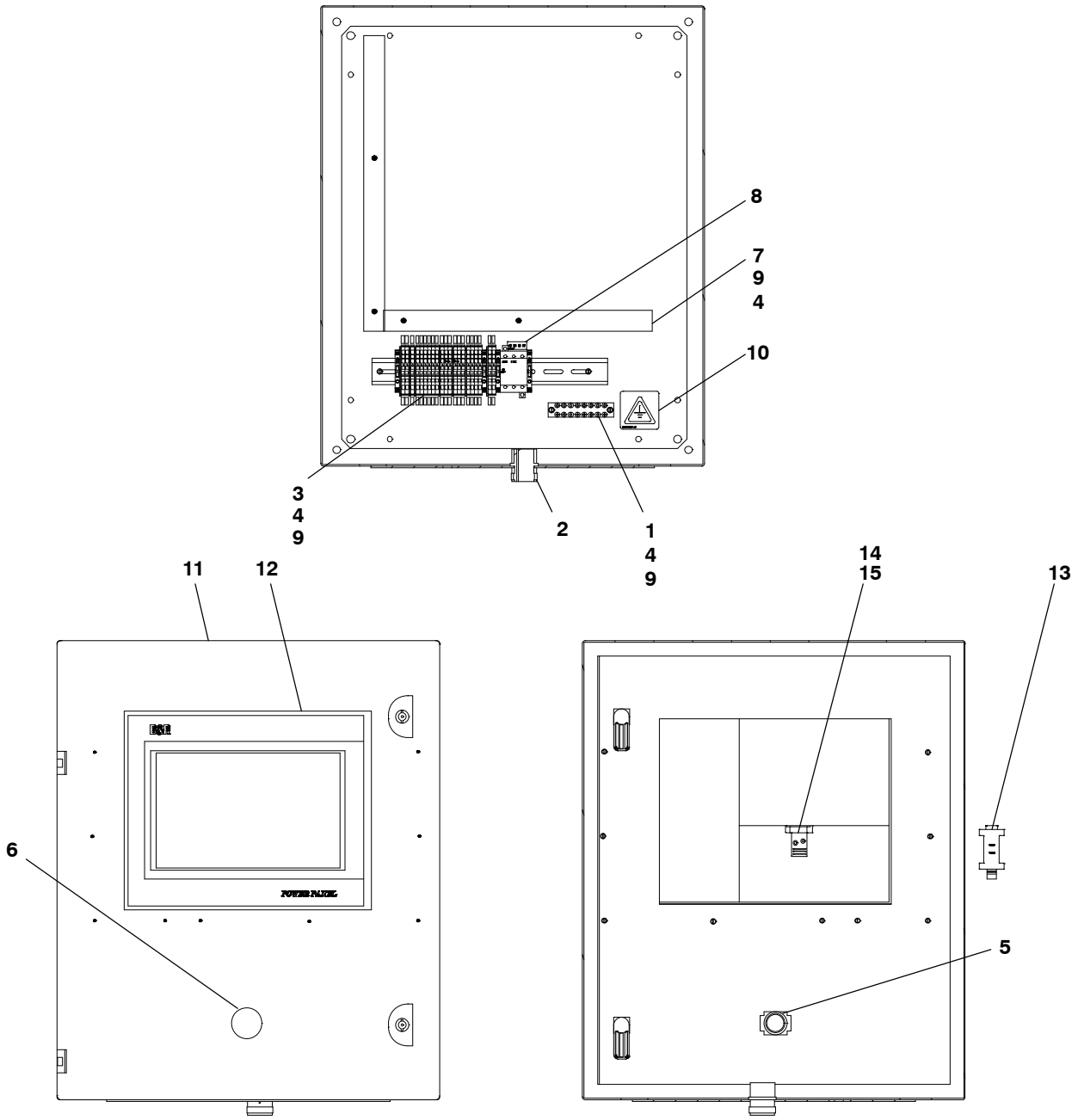
INTERNAL

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319–7418–01	4	Box, Control
2	332–4224	1	Block, Terminal
3	323–2057	1	Connector, Electrical
4	332–4429	1	Rail, Terminal Block
5	815–1540–05	14	Screw, Slotted – Fillister Head
6	815–1540–03	8	Screw, Slotted – Fillister Head
7	300–6315–03	1	Display, Control
8	300–6366–02	1	Display, Control
9	323–2456	1	Connector, Plug
10	323–2091	1	Connector, Plug

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
11	323–2429	1	Connector, Plug
12	323–2192–04	1	Connector, Plug
13	323–2466	7	Contact, Socket
14	306–4944	1	Contact, Auxilliary
15	308–1186	1	Switch, Pushbutton
16	331–0633–03	2	Duct, Wiring
17	A028X552	1	Label, Information
18	526–0399–52	22	Washer, Flat
19	098–8097	1	Label, Information

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Remote Panel
PP420



EXTERNAL

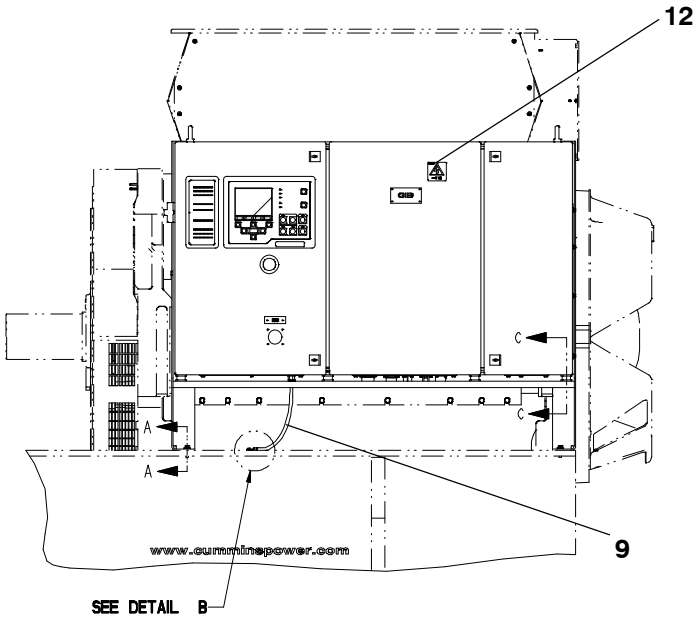
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332−4224	1	Block, Terminal
2	323−2057	1	Connector, Electrical
3	332−4429	1	Rail, Terminal Block
4	815−1540−03	4	Screw, Slotted − Fillister Head
5	306−4944	1	Contact, Auxilliary
6	308−1186	1	Switch, Pushbutton
7	331−0633−03	2	Duct, Wiring
8	A028X552	1	Label, Information

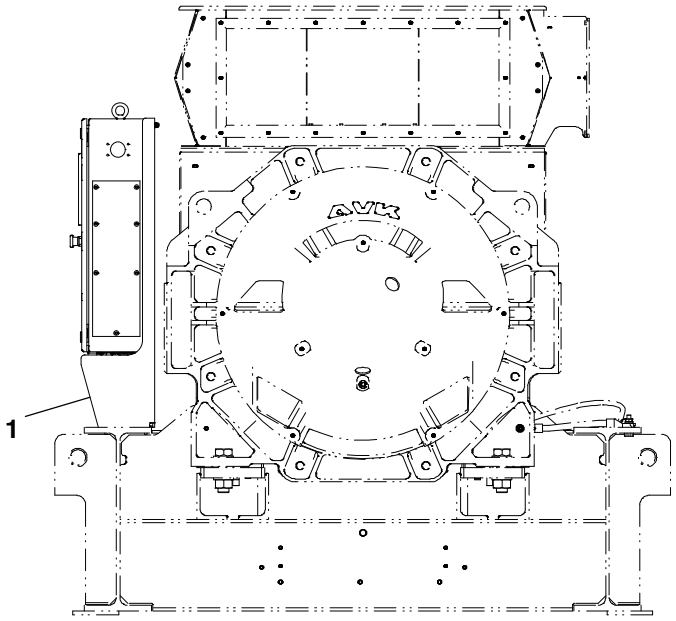
INTERNAL

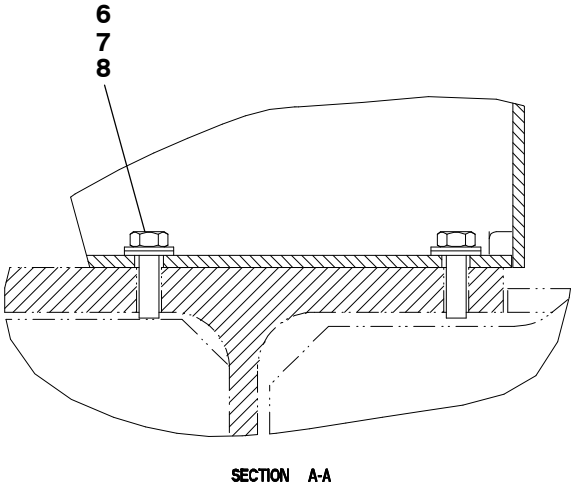
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
9	526−0399−52	8	Washer, Flat
10	098−8097	1	Label, Information
11	319−7418−02	1	Box, Control
12	300−6554	1	Display, Control
13	A028U578	1	Converter
14	323−2093	1	Connector, Receptacle
15	323−2110−03	1	Hood, Connector

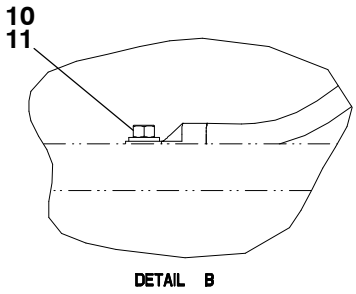
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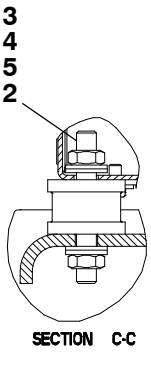
GIB Box Fasteners







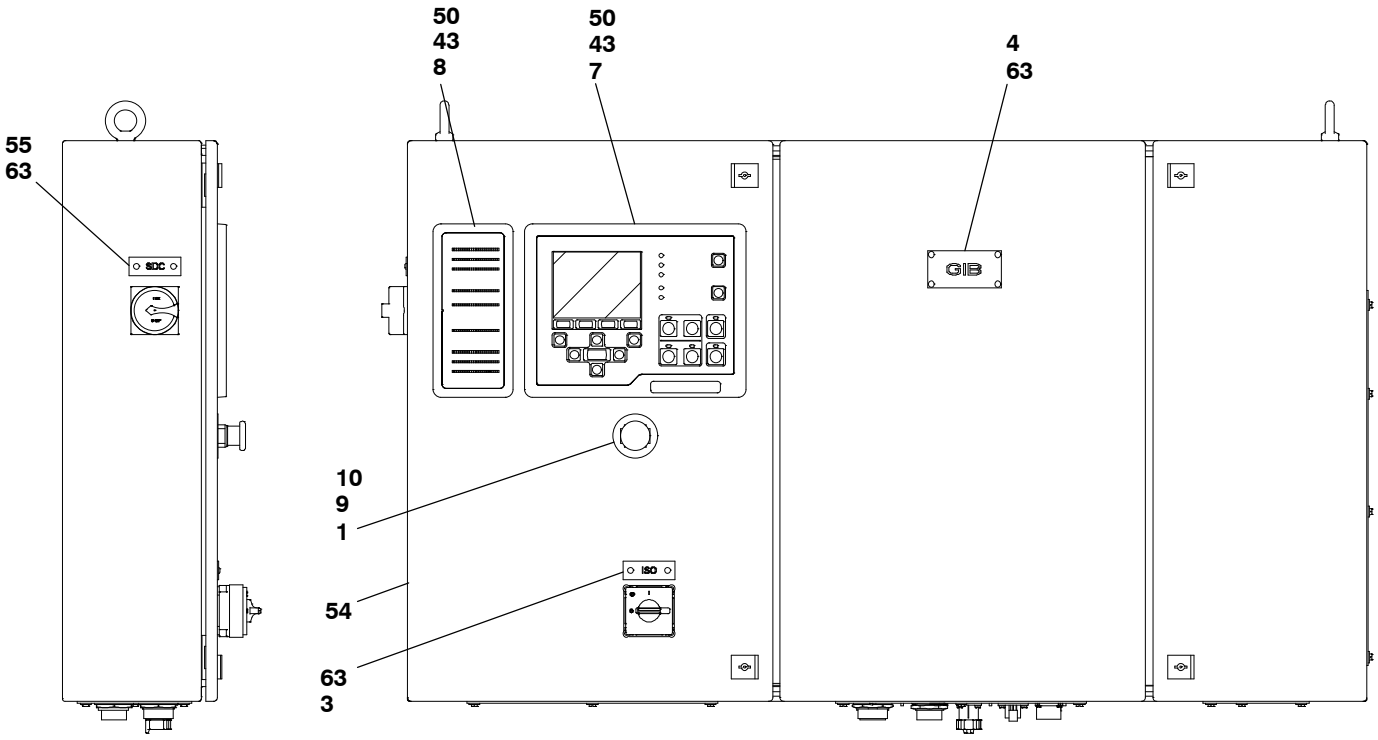




REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319–7420	1	Bracket, Control Box
2	403–4916	10	Isolator, Vibration
3	526–0399–60	20	Washer, Flat (M8)
4	850–0114–54	20	Washer, Lock (M8)
5	862–0026–55	20	Nut, Hex (M8)
6	526–0399–62	4	Washer, Flat (M10)
7	850–0114–55	4	Washer, Lock (M10)
8	800–3017–38	4	Screw, Hex Head (M10 x 1.5 x 30)
9	226–4929–02	1	Lead (Earth)
10	526–0399–58	4	Washer, Flat
11	800–3017–03	1	Screw, Hex Head (M6 x 1.0 x 16)
12	098–8104–05	1	Label, Warning

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GIB Box
50Hz Layout 1
(Illustration #1)



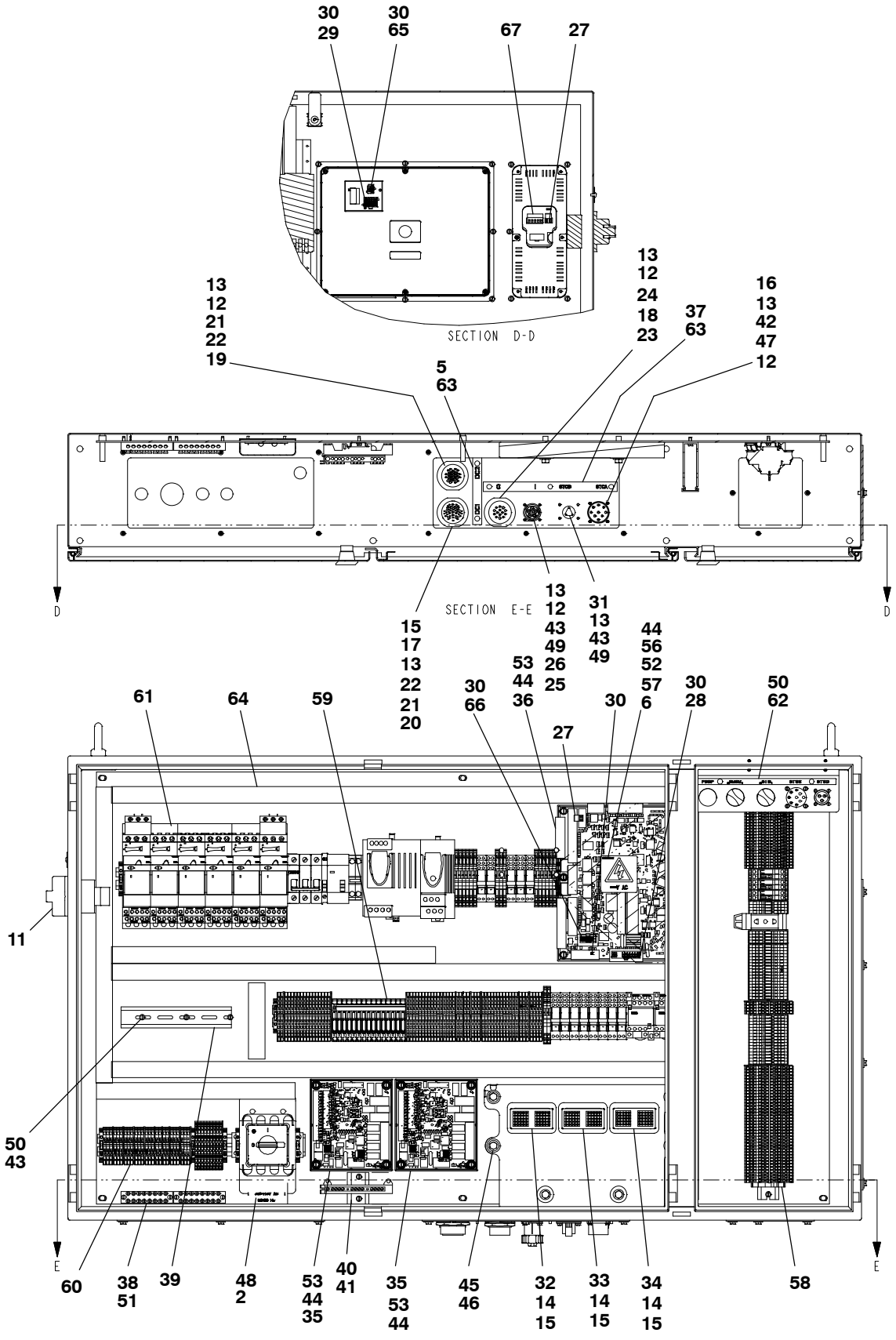
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GIB Box
50Hz Layout 1
(Parts for Illustration #1)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	098–8238	1	Label, Unit ID
2	098–8242	1	Label, Information
3	098–8623	1	Label, Information
4	098–8624	1	Label, Information
5	098–8626	1	Label, Information
6	098–8104–06	1	Label, Warning
7	300–6315–02	1	Display, Control
8	300–6366–02	1	Display, Control
9	306–4944	1	Contact, Auxiliary
10	308–1186	1	Switch, Push Button
11	308–1267	1	Switch, Rotary
12	323–1591	11	Seal, Plug
13	323–2020	56	Kit, Pin
14	323–2021	75	Contact, Socket
15	323–2023	82	Plug, Cavity
16	323–2057	1	Connector, Electrical
17	323–2120	35	Contact, Pin
18	323–2122	1	Connector, Receptacle
19	323–2124	1	Connector, Receptacle
20	323–2125	1	Connector, Receptacle
21	323–2126	2	Connector, Lock
22	323–2127	2	Connector, Lock
23	323–2147	1	Connector, Lock
24	323–2148	1	Connector, Lock
25	323–2399	1	Connector, Receptacle
26	323–2420	1	Cap, Connector
27	323–2429	2	Connector, Plug
28	323–2446	1	Connector, Plug
29	323–2456	1	Connector, Plug
30	323–2466	32	Contact, Socket
31	323–2645	1	Connector, Receptacle
32	323–2022–01	1	Connector
33	323–2022–02	1	Connector
34	323–2022–03	1	Connector
35	A029P569	2	Board, Printed Circuit – (LBNG System I/O Device)
36	327–1601–01	1	Card, Control
37	A026N031	1	Card, Control
38	332–4224	2	Block, Terminal
39	332–2879–03	1	Rail, Terminal
40	332–2879–07	1	Rail, Terminal
41	337–3829	1	Busbar, Neutral
42	526–0399–52	4	Washer, Flat
43	526–0399–54	115	Washer, Flat
44	526–0399–56	17	Washer, Flat
45	526–0399–60	6	Washer, Flat
46	800–3017–21	6	Screw, Hex Head
47	815–1540–03	4	Screw, Slotted – Fillister Head
48	815–1540–06	2	Screw, Slotted – Fillister Head
49	815–1540–18	8	Screw, Slotted – Fillister Head
50	815–1540–19	107	Screw, Slotted – Fillister Head
51	815–1540–21	4	Screw, Slotted – Fillister Head
52	815–1540–32	3	Screw, Slotted – Fillister Head
53	815–1540–36	11	Screw, Slotted – Fillister Head
54	A026G128	1	Panel, Control Box
55	A026M833	1	Label, Information
56	A026M891	3	Standoff
57	A026M929	1	Cover
58	A026M949	1	Rail, Terminal Block
59	A026M951	1	Rail, Terminal Block
60	A026M953	1	Rail, Terminal Block
61	A026M955	1	Relay, Control
62	A026M957	1	Switch, Thermostat
63	A026M966	13	Rivet, Dome Head
64	331–0633	8	Duct, Wiring
65	323–2091	1	Connector, Plug
66	323–2445	1	Connector, Plug
67	323–2192–04	1	Connector, Plug

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GIB Box
50Hz Layout 1
(Illustration #2)



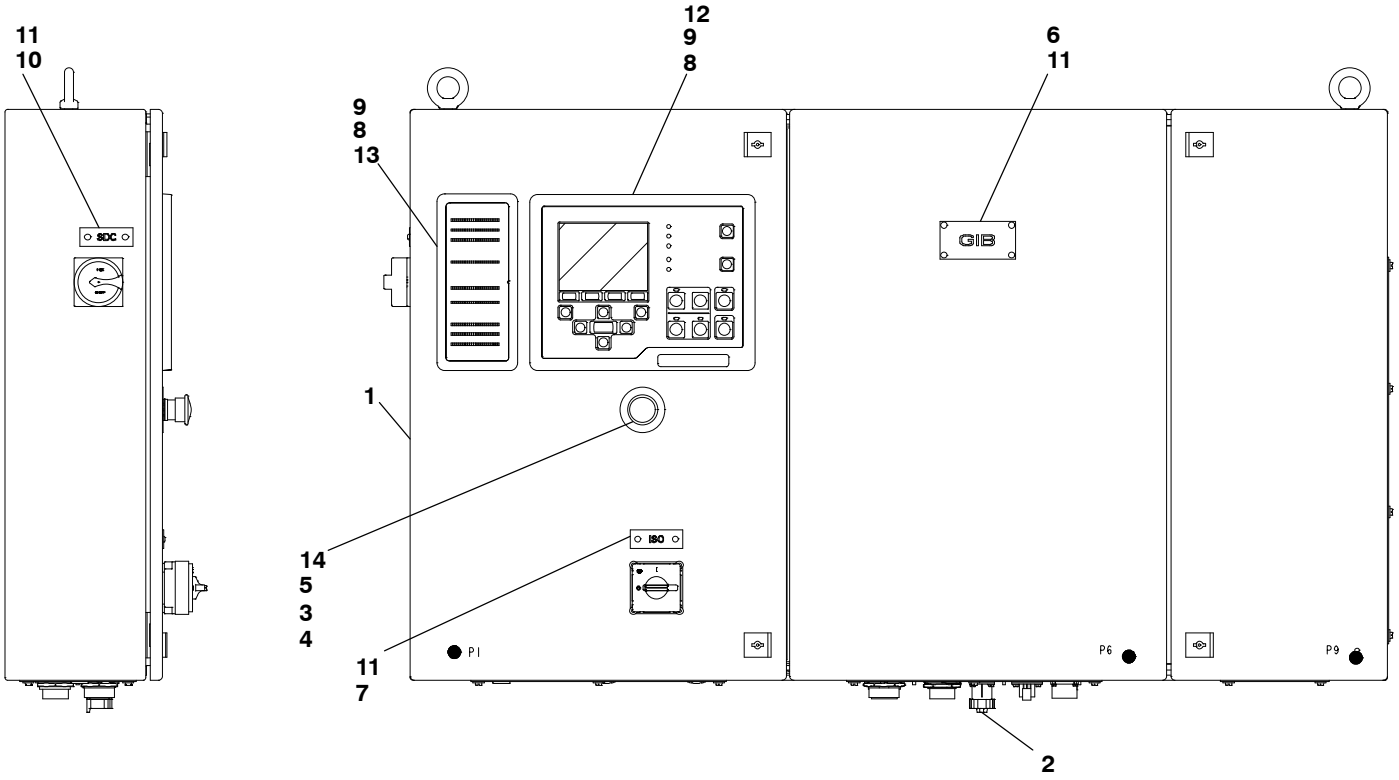
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GIB Box
50Hz Layout 1
(Parts for Illustration #2

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	098–8238	1	Label, Unit ID
2	098–8242	1	Label, Information
3	098–8623	1	Label, Information
4	098–8624	1	Label, Information
5	098–8626	1	Label, Information
6	098–8104–06	1	Label, Warning
7	300–6315–02	1	Display, Control
8	300–6366–02	1	Display, Control
9	306–4944	1	Contact, Auxiliary
10	308–1186	1	Switch, Push Button
11	308–1267	1	Switch, Rotary
12	323–1591	11	Seal, Plug
13	323–2020	56	Kit, Pin
14	323–2021	75	Contact, Socket
15	323–2023	82	Plug, Cavity
16	323–2057	1	Connector, Electrical
17	323–2120	35	Contact, Pin
18	323–2122	1	Connector, Receptacle
19	323–2124	1	Connector, Receptacle
20	323–2125	1	Connector, Receptacle
21	323–2126	2	Connector, Lock
22	323–2127	2	Connector, Lock
23	323–2147	1	Connector, Lock
24	323–2148	1	Connector, Lock
25	323–2399	1	Connector, Receptacle
26	323–2420	1	Cap, Connector
27	323–2429	2	Connector, Plug
28	323–2446	1	Connector, Plug
29	323–2456	1	Connector, Plug
30	323–2466	32	Contact, Socket
31	323–2645	1	Connector, Receptacle
32	323–2022–01	1	Connector
33	323–2022–02	1	Connector
34	323–2022–03	1	Connector
35	A029P569	2	Board, Printed Circuit – (LBNG System I/O Device)
36	327–1601–01	1	Card, Control
37	A026N031	1	Card, Control
38	332–4224	2	Block, Terminal
39	332–2879–03	1	Rail, Terminal
40	332–2879–07	1	Rail, Terminal
41	337–3829	1	Busbar, Neutral
42	526–0399–52	4	Washer, Flat
43	526–0399–54	115	Washer, Flat
44	526–0399–56	17	Washer, Flat
45	526–0399–60	6	Washer, Flat
46	800–3017–21	6	Screw, Hex Head
47	815–1540–03	4	Screw, Slotted – Fillister Head
48	815–1540–06	2	Screw, Slotted – Fillister Head
49	815–1540–18	8	Screw, Slotted – Fillister Head
50	815–1540–19	107	Screw, Slotted – Fillister Head
51	815–1540–21	4	Screw, Slotted – Fillister Head
52	815–1540–32	3	Screw, Slotted – Fillister Head
53	815–1540–36	11	Screw, Slotted – Fillister Head
54	A026G128	1	Panel, Control Box
55	A026M833	1	Label, Information
56	A026M891	3	Standoff
57	A026M929	1	Cover
58	A026M949	1	Rail, Terminal Block
59	A026M951	1	Rail, Terminal Block
60	A026M953	1	Rail, Terminal Block
61	A026M955	1	Relay, Control
62	A026M957	1	Switch, Thermostat
63	A026M966	13	Rivet, Dome Head
64	331–0633	8	Duct, Wiring
65	323–2091	1	Connector, Plug
66	323–2445	1	Connector, Plug
67	323–2192–04	1	Connector, Plug

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GIB Box
50Hz Layout 2
(Illustration #1)



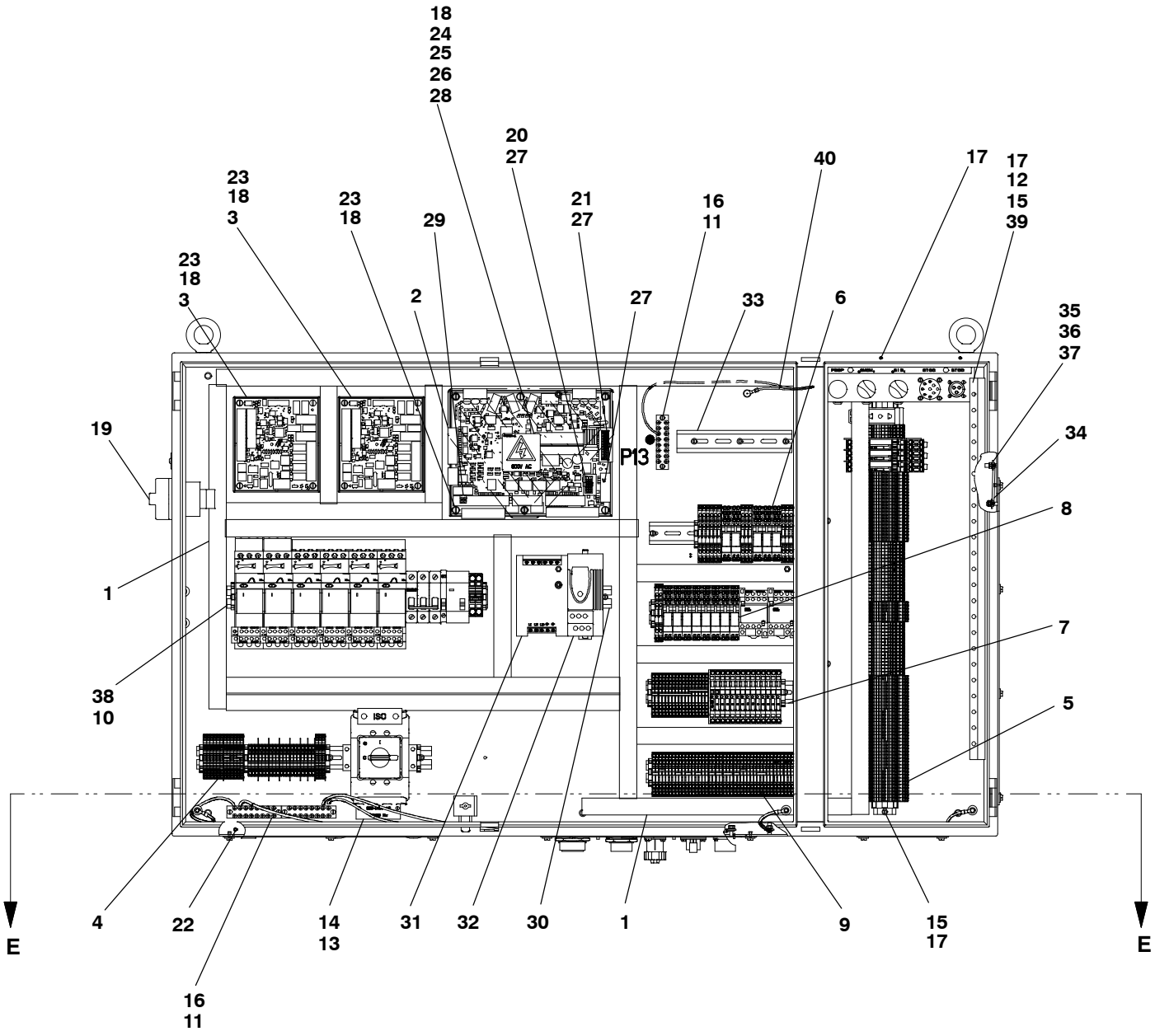
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	A043L814	1	Panel, Control Box
2	0323–2420	1	Cap, Connector
3	A034L726	1	Switch, Pushbutton
4	A034L265	1	Switch, Pushbutton
5	0098–8238	1	Label, Unit
6	0098–8624	1	Label, Information
7	0098–8623	1	Label, Information
8	0526–0399–54	98	Washer, Flat
9	0815–1540–19	88	Screw, Fillister Head Slot
10	A026M833	1	Label, Information
11	A026M966	13	Rivet, Dome Head
12	0300–6315–02	1	Display, Control
13	0300–6366–02	1	Display, Control
14	A034L722	1	Switch, Pushbutton

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GIB Box
50Hz Layout 2
(Illustration #2)



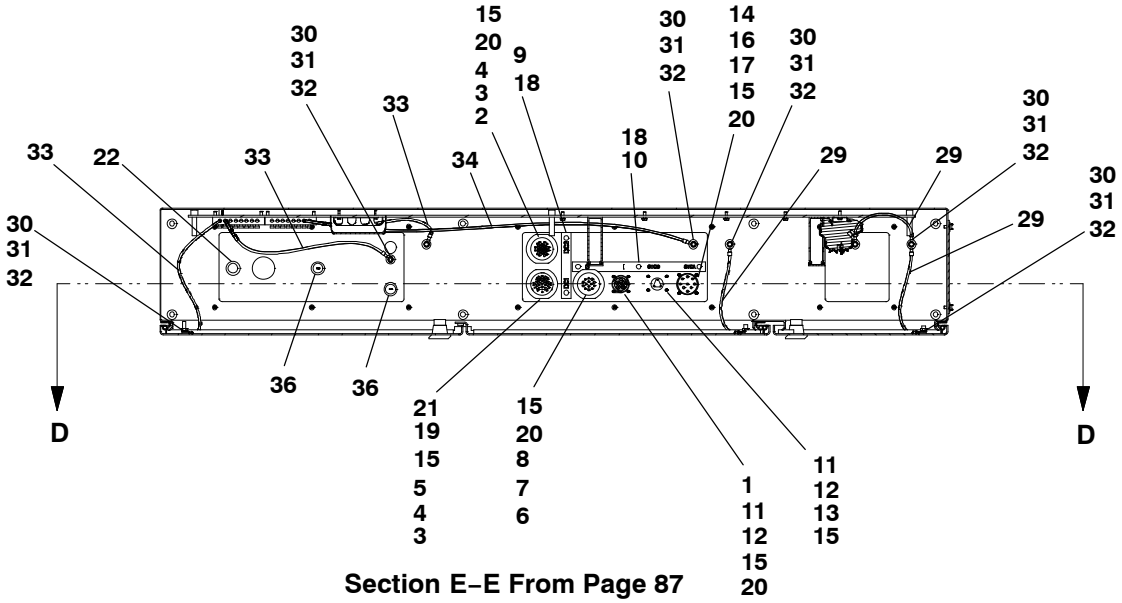
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GIB Box
50Hz Layout 2
(Illustration #2)

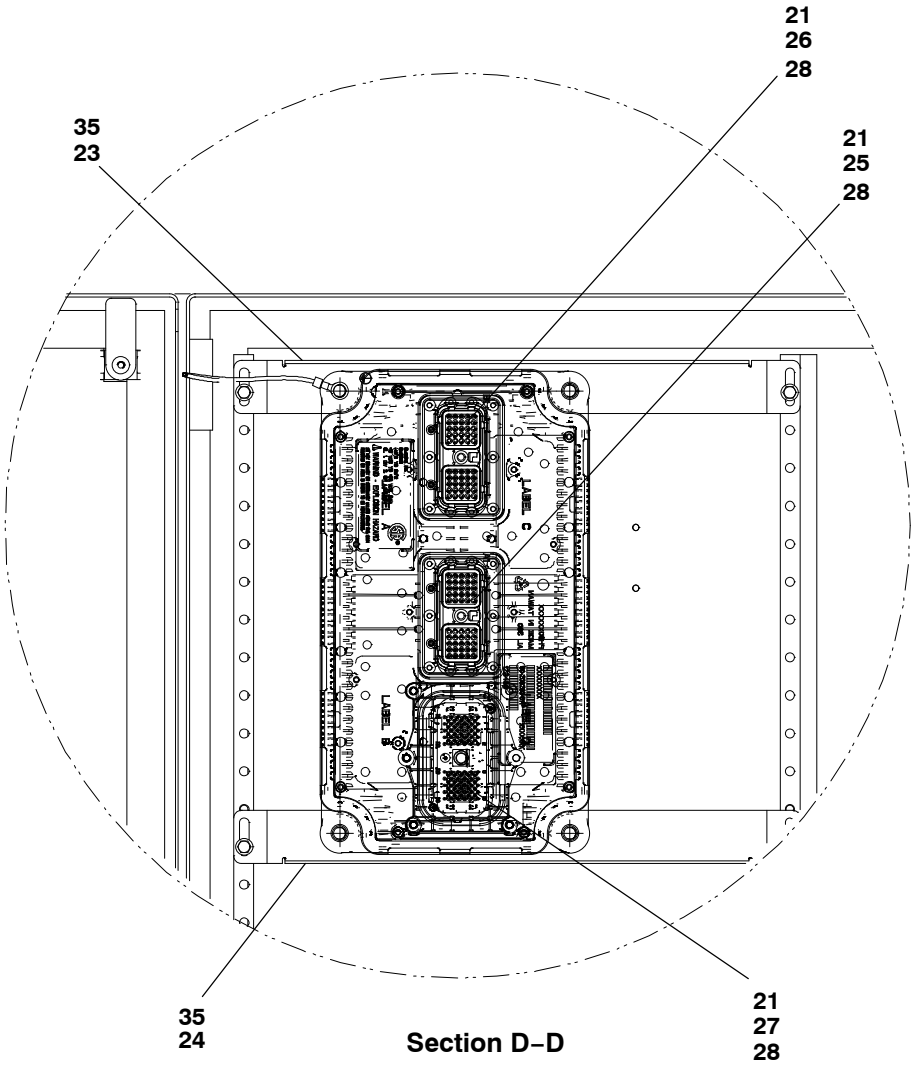
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	0331–0633–01	8	Duct, Wiring
2	0327–1601–01	8	Card, Control
3	A029P569	2	Card, Control
4	A032X587	1	Rail, Terminal Block
5	A032X947	1	Rail, Terminal Block
6	A032X951	1	Rail, Terminal Block
7	A032X945	1	Rail, Terminal Block
8	A032X949	1	Rail, Terminal Block
9	A043X042	1	Rail, Terminal Block
10	A032X943	1	Rail, Terminal Block
11	0332–4224	3	Block, Terminal
12	A026M957	1	Switch, Thermostat
13	0098–8242	1	Label, Information
14	0815–1540–06	2	Screw, Fillister Head Slot
15	0526–0399–54	98	Washer, Flat
16	0815–1540–21	6	Screw, Slotted Head
17	0815–1540–19	88	Screw, Fillister Head Slot
18	0526–0399–56	17	Washer, Flat
19	0308–1267	1	Switch, Rotary
20	0323–2445	1	Connector, Plug
21	0323–2446	1	Connector, Plug
22	0323–3058	9	Splice, Butt Step Down
23	0815–1540–36	11	Screw, Fillister Head Slot
24	A026M891	3	Standoff
25	A026M929	1	Cover
26	0815–1540–32	3	Screw, Fillister Head Slot
27	0323–2466	25	Contact, Socket
28	0098–8104–06	1	Label, Warning
29	0323–2429	1	Connector, Plug
30	0332–2879–02	1	Rail, Terminal
31	A040N665	1	Module, Power Supply
32	0307–3182	1	Relay, Control
33	0332–2879–03	1	Rail, Terminal
34	A034H418	4	Lead, Ground
35	0526–0399–57	11	Washer, Flat
36	0850–0114–52	11	Washer, Lock
37	0862–0026–53	11	Nut, Hex
38	A043J128	20	Terminal, Crimp
39	A044V684	1	Connector, Receptacle
40	A047P255	2	Lead, Ground

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GIB Box
50Hz Layout 2
(Illustration #3)



Section E–E From Page 87



Section D–D

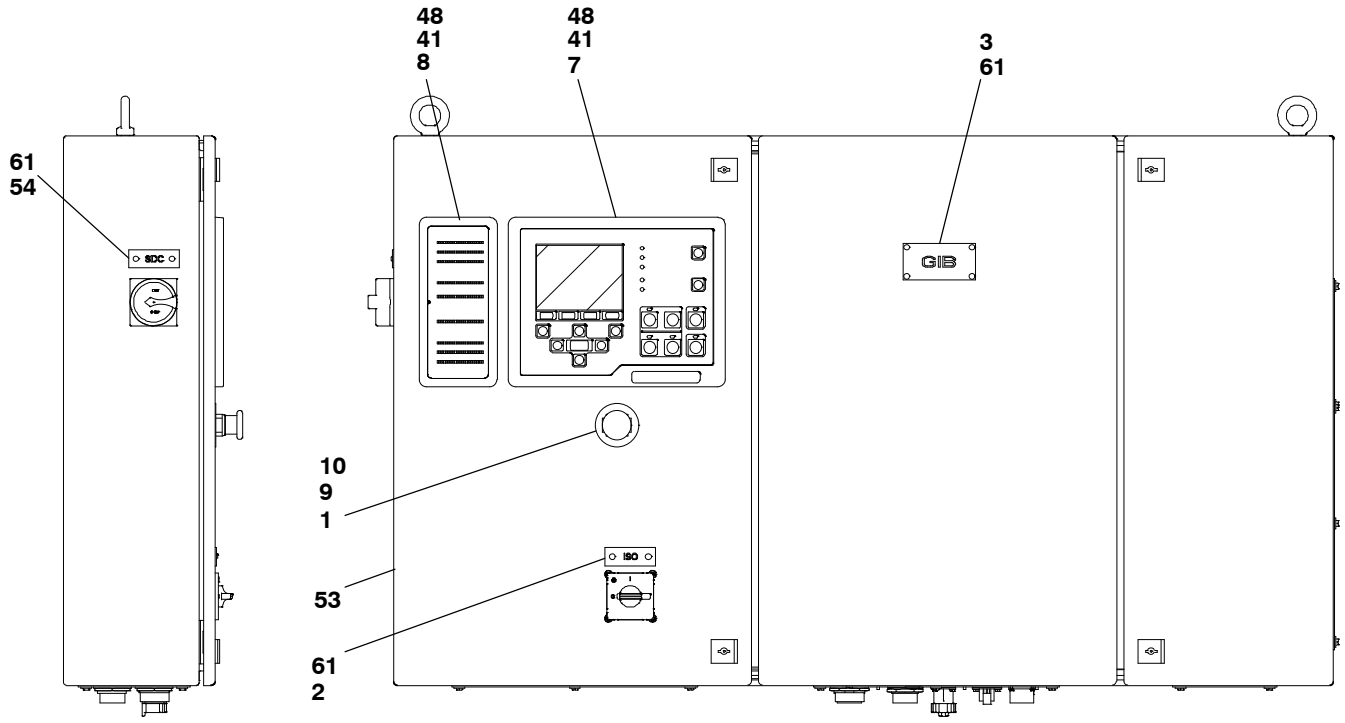
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GIB Box
50Hz Layout 2
(Illustration #3)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	0323−2399	1	Connector, Receptacle
2	0323−2124	1	Connector, Receptacle
3	0323−2127	2	Connector, Lock
4	0323−2126	2	Connector, Lock
5	0323−2125	1	Connector, Receptacle
6	0323−2122	1	Connector, Receptacle
7	0323−2147	1	Connector, Lock
8	0323−2148	1	Connector, Lock
9	0098−8626	1	Label, Information
10	A026N031	1	Label, Information
11	0526−0399−54	98	Washer, Flat
12	0815−1540−18	8	Screw, Fillister Head Slot
13	0323−2645	1	Connector, Receptacle
14	0323−2057	1	Connector, Receptacle
15	0323−2020	58	Kit, Pin
16	0526−0399−52	4	Washer, Flat
17	0815−1540−03	4	Screw, Fillister Head Slot
18	A026M966	13	Rivet, Dome Head
19	0323−2120	39	Contact, Pin
20	0323−1591	9	Seal, Plug
21	0323−2023	93	Plug, Cavity
22	0508−1201	1	Grommet
23	A048F434	1	Bracket, Mounting
24	A048F601	1	Bracket, Mounting
25	A044P805	1	Connector
26	A044P803	1	Connector
27	A044R460	1	Connector
28	A034E916	73	Pin, Contact
29	A034H418	4	Lead, Ground
30	0526−0399−57	11	Washer, Flat
31	0850−0114−52	11	Washer, Lock
32	0862−0026−53	11	Nut, Hex
33	A045K024	3	Lead, Ground
34	A047P255	2	Lead, Ground
35	0821−6001−01	4	Screw, Hex Head
36	A040V724	2	Grommet, Blind

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GIB Box
60Hz Layout 1
(Illustration #1)



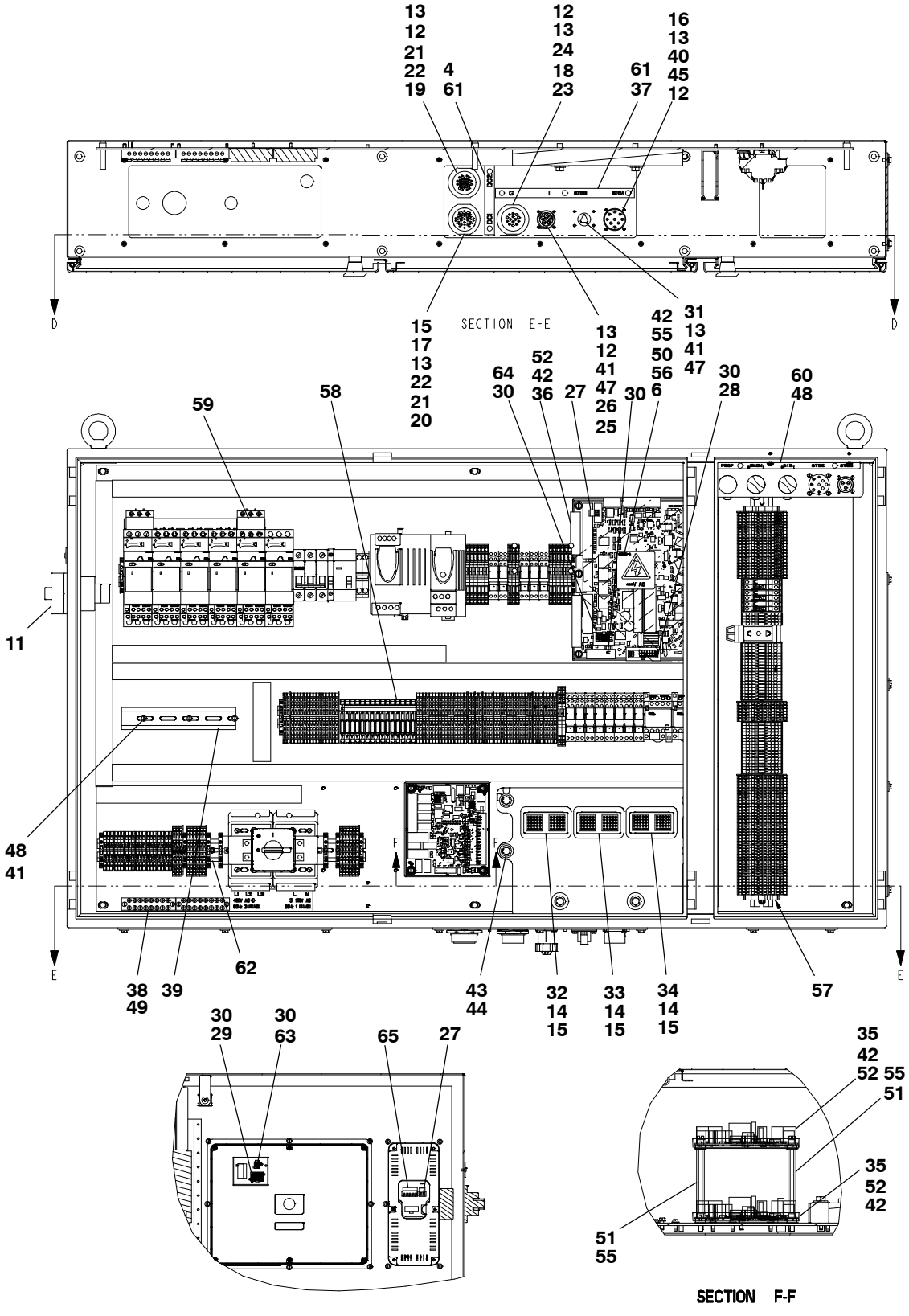
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GIB Box
60Hz Layout 1
(Parts for Illustration #1)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	098–8238	1	Label, Unit ID
2	098–8242	1	Label, Information
3	098–8623	1	Label, Information
4	098–8624	1	Label, Information
5	098–8626	1	Label, Information
6	098–8104–06	1	Label, Warning
7	300–6315–02	1	Display, Control
8	300–6366–02	1	Display, Control
9	306–4944	1	Contact, Auxiliary
10	308–1186	1	Switch, Push Button
11	308–1267	1	Switch, Rotary
12	323–1591	11	Seal, Plug
13	323–2020	56	Kit, Pin
14	323–2021	75	Contact, Socket
15	323–2023	82	Plug, Cavity
16	323–2057	1	Connector, Electrical
17	323–2120	35	Contact, Pin
18	323–2122	1	Connector, Receptacle
19	323–2124	1	Connector, Receptacle
20	323–2125	1	Connector, Receptacle
21	323–2126	2	Connector, Lock
22	323–2127	2	Connector, Lock
23	323–2147	1	Connector, Lock
24	323–2148	1	Connector, Lock
25	323–2399	1	Connector, Receptacle
26	323–2420	1	Cap, Connector
27	323–2429	2	Connector, Plug
28	323–2446	1	Connector, Plug
29	323–2456	1	Connector, Plug
30	323–2063	32	Contact, Socket
31	323–2645	1	Connector, Receptacle
32	323–2022–01	1	Connector
33	323–2022–02	1	Connector
34	323–2022–03	1	Connector
35	A029P569	2	Board, Printed Circuit – (LBNG System I/O Device)
36	327–1601–01	1	Card, Control
37	A026N031	1	Card, Control
38	332–4224	2	Block, Terminal
39	332–2879–03	1	Rail, Terminal
40	526–0399–52	4	Washer, Flat
41	526–0399–54	115	Washer, Flat
42	526–0399–56	17	Washer, Flat
43	526–0399–60	6	Washer, Flat
44	800–3017–21	6	Screw, Hex Head
45	815–1540–03	4	Screw, Slotted – Fillister Head
46	815–1540–06	2	Screw, Slotted – Fillister Head
47	815–1540–18	8	Screw, Slotted – Fillister Head
48	815–1540–19	107	Screw, Slotted – Fillister Head
49	815–1540–21	4	Screw, Slotted – Fillister Head
50	815–1540–32	3	Screw, Slotted – Fillister Head
51	815–1540–35	4	Screw, Slotted – Fillister Head
52	815–1540–36	11	Screw, Slotted – Fillister Head
53	A026G128	1	Panel, Control Box
54	A026M833	1	Label, Information
55	A026M891	3	Standoff
56	A026M929	1	Cover
57	A026M949	1	Rail, Terminal Block
58	A026M951	1	Rail, Terminal Block
59	A029B908	1	Relay, Control
60	A026M957	1	Switch, Thermostat
61	A026M966	13	Rivet, Dome Head
62	A029B912	1	Relay, Control
63	331–0633	8	Duct, Wiring
64	323–2091	1	Connector, Plug
65	323–2445	1	Connector, Plug
66	323–2192–04	1	Connector, Plug

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GIB Box
60Hz Layout 1
(Illustration #2)



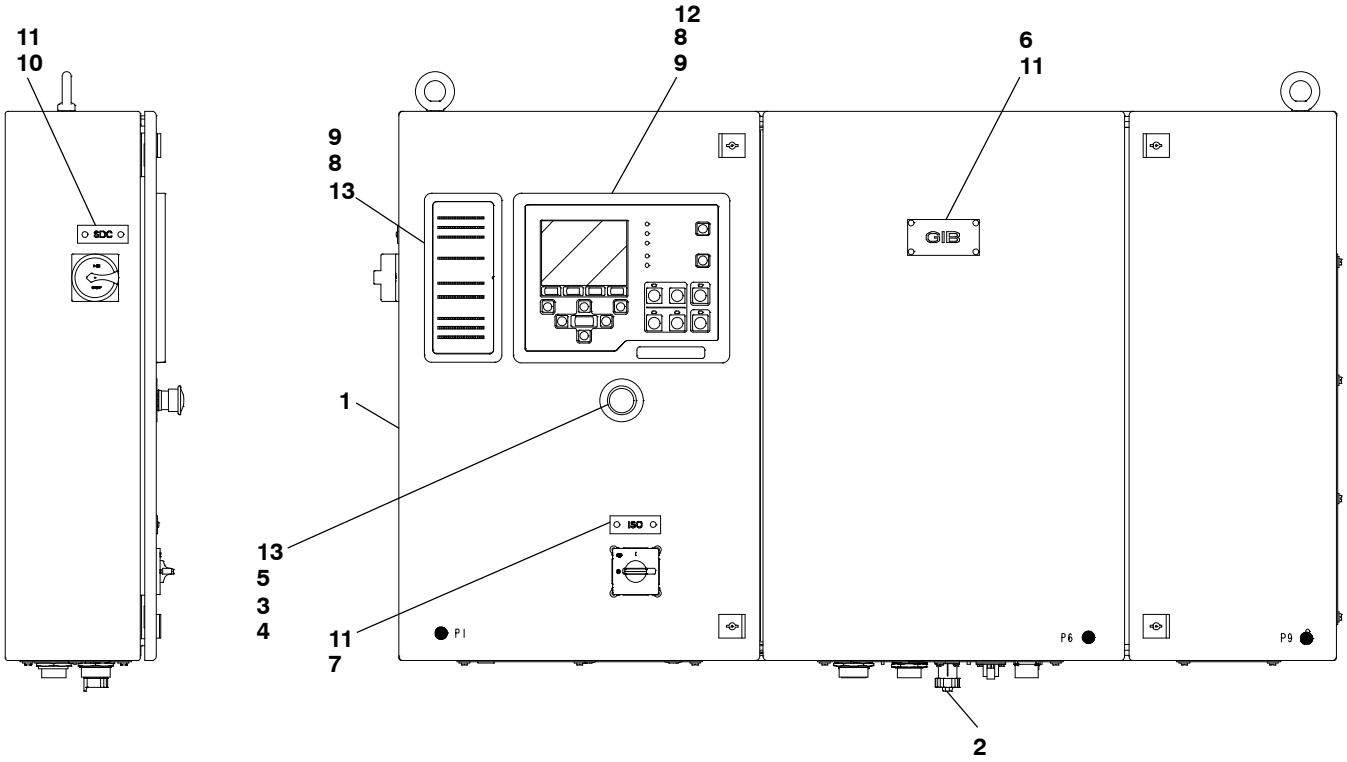
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GIB Box
60Hz Layout 1
(Parts for Illustration #2)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	098–8238	1	Label, Unit ID
2	098–8242	1	Label, Information
3	098–8623	1	Label, Information
4	098–8624	1	Label, Information
5	098–8626	1	Label, Information
6	098–8104–06	1	Label, Warning
7	300–6315–02	1	Display, Control
8	300–6366–02	1	Display, Control
9	306–4944	1	Contact, Auxiliary
10	308–1186	1	Switch, Push Button
11	308–1267	1	Switch, Rotary
12	323–1591	11	Seal, Plug
13	323–2020	56	Kit, Pin
14	323–2021	75	Contact, Socket
15	323–2023	82	Plug, Cavity
16	323–2057	1	Connector, Electrical
17	323–2120	35	Contact, Pin
18	323–2122	1	Connector, Receptacle
19	323–2124	1	Connector, Receptacle
20	323–2125	1	Connector, Receptacle
21	323–2126	2	Connector, Lock
22	323–2127	2	Connector, Lock
23	323–2147	1	Connector, Lock
24	323–2148	1	Connector, Lock
25	323–2399	1	Connector, Receptacle
26	323–2420	1	Cap, Connector
27	323–2429	2	Connector, Plug
28	323–2446	1	Connector, Plug
29	323–2456	1	Connector, Plug
30	323–2063	32	Contact, Socket
31	323–2645	1	Connector, Receptacle
32	323–2022–01	1	Connector
33	323–2022–02	1	Connector
34	323–2022–03	1	Connector
35	A029P569	2	Board, Printed Circuit – (LBNG System I/O Device)
36	327–1601–01	1	Card, Control
37	A026N031	1	Card, Control
38	332–4224	2	Block, Terminal
39	332–2879–03	1	Rail, Terminal
40	526–0399–52	4	Washer, Flat
41	526–0399–54	115	Washer, Flat
42	526–0399–56	17	Washer, Flat
43	526–0399–60	6	Washer, Flat
44	800–3017–21	6	Screw, Hex Head
45	815–1540–03	4	Screw, Slotted – Fillister Head
46	815–1540–06	2	Screw, Slotted – Fillister Head
47	815–1540–18	8	Screw, Slotted – Fillister Head
48	815–1540–19	107	Screw, Slotted – Fillister Head
49	815–1540–21	4	Screw, Slotted – Fillister Head
50	815–1540–32	3	Screw, Slotted – Fillister Head
51	815–1540–35	4	Screw, Slotted – Fillister Head
52	815–1540–36	11	Screw, Slotted – Fillister Head
53	A026G128	1	Panel, Control Box
54	A026M833	1	Label, Information
55	A026M891	3	Standoff
56	A026M929	1	Cover
57	A026M949	1	Rail, Terminal Block
58	A026M951	1	Rail, Terminal Block
59	A029B908	1	Relay, Control
60	A026M957	1	Switch, Thermostat
61	A026M966	13	Rivet, Dome Head
62	A029B912	1	Relay, Control
63	331–0633	8	Duct, Wiring
64	323–2091	1	Connector, Plug
65	323–2445	1	Connector, Plug
66	323–2192–04	1	Connector, Plug

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GIB Box
60Hz Layout 2
(Illustration #1)



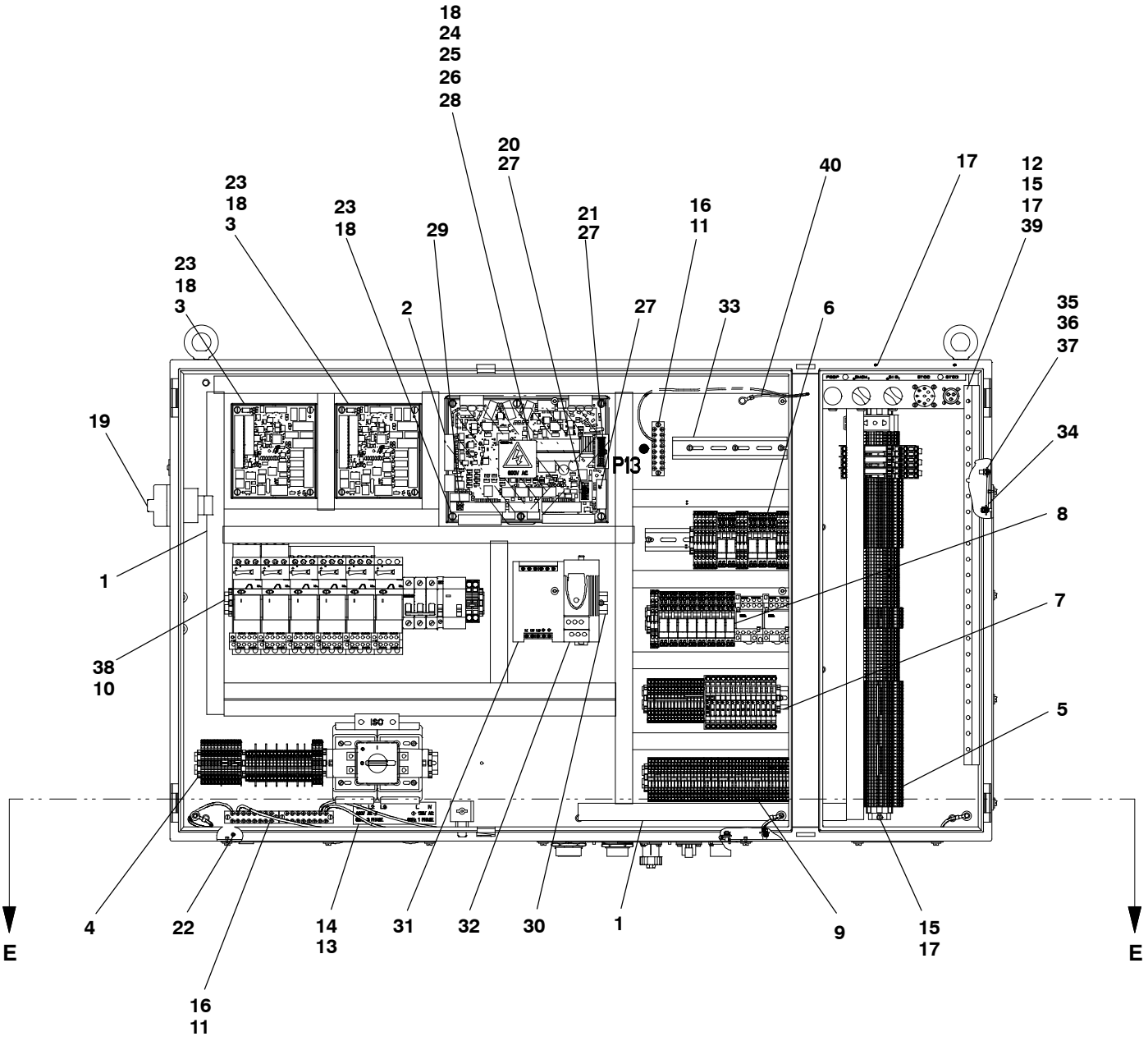
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	A043L814	1	Panel, Control Box
2	0323–2420	1	Cap, Connector
3	A034L726	1	Switch, Pushbutton
4	A034L265	1	Switch, Pushbutton
5	0098–8238	1	Label, Unit
6	0098–8624	1	Label, Information
7	0098–8623	1	Label, Information
8	0526–0399–54	98	Washer, Flat
9	0815–1540–19	88	Screw, Fillister Head Slot
10	A026M833	1	Label, Information
11	A026M966	13	Rivet, Dome Head
12	0300–6315–02	1	Display, Control
13	0300–6366–02	1	Display, Control

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GIB Box
60Hz Layout 2
(Illustration #2)



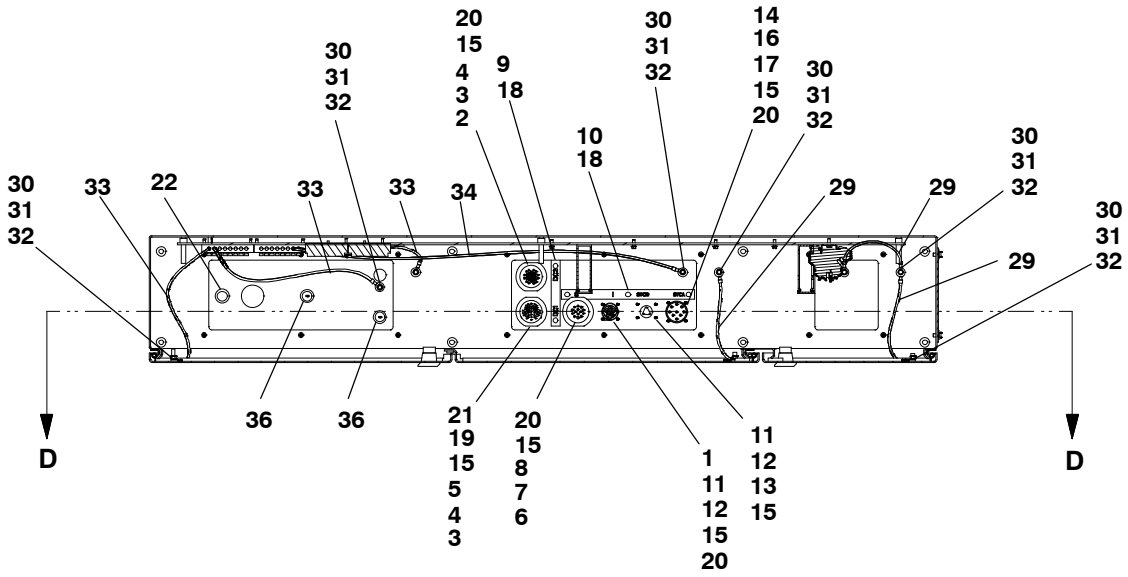
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GIB Box
60Hz Layout 2
(Illustration #2)

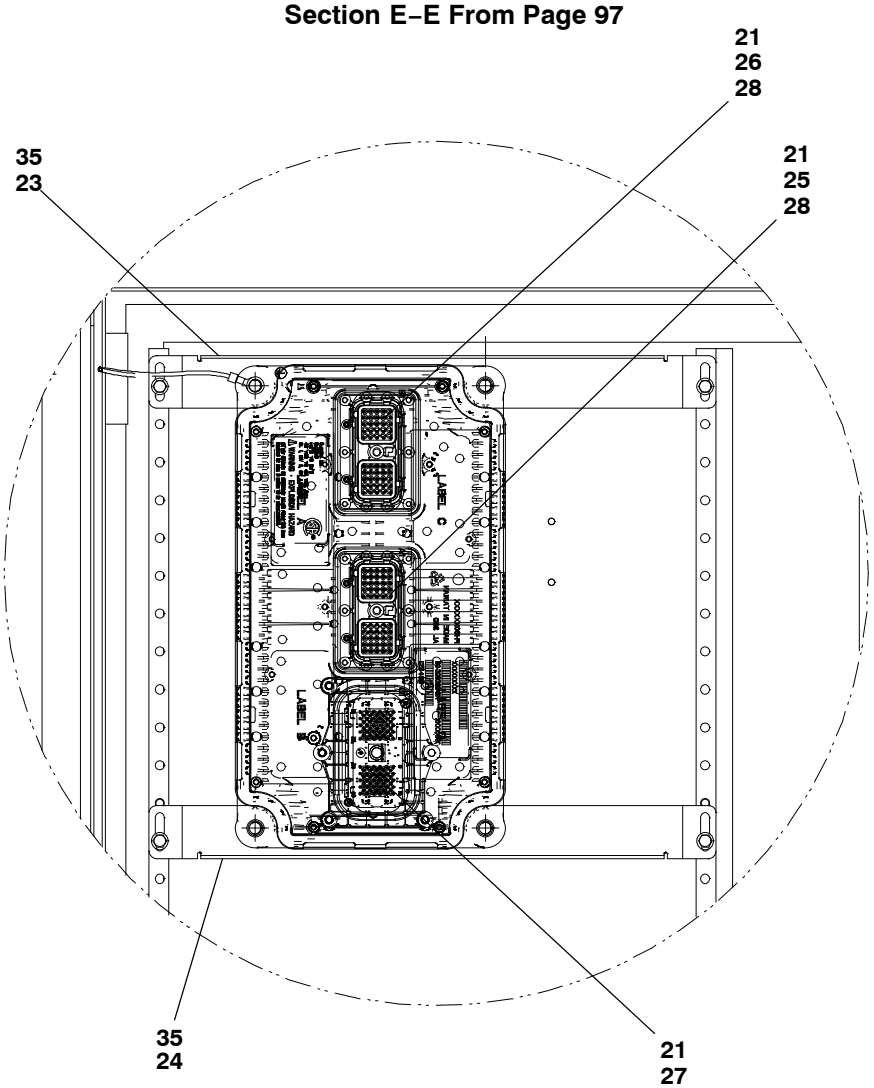
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	0331–0633–01	8	Duct, Wiring
2	0327–1601–01	1	Card, Control
3	A029P569	2	Card, Control
4	A043H427	1	Rail, Terminal Block
5	A032X947	1	Rail, Terminal Block
6	A032X951	1	Rail, Terminal Block
7	A032X945	1	Rail, Terminal Block
8	A032X949	1	Rail, Terminal Block
9	A043X042	1	Rail, Terminal Block
10	A044M057	1	Rail, Terminal Block
11	0332–4224	3	Block, Terminal
12	A026M957	1	Switch, Thermostat
13	0098–8658	1	Label, Information
14	0815–1540–06	2	Screw, Fillister Head Slot
15	0526–0399–54	98	Washer, Flat
16	0815–1540–21	6	Screw, Slotted Head
17	0815–1540–19	88	Screw, Fillister Head Slot
18	0526–0399–56	17	Washer, Flat
19	0308–1267	1	Switch, Rotary
20	0323–2445	1	Connector, Plug
21	0323–2446	1	Connector, Plug
22	0323–3058	9	Splice, Butt Step Down
23	0815–1540–36	11	Screw, Fillister Head Slot
24	A026M891	3	Standoff
25	A026M929	1	Cover
26	0815–1540–32	3	Screw, Fillister Head Slot
27	0323–2466	25	Terminal, Pin
28	0098–8104–06	1	Label, Warning
29	0323–2429	1	Connector, Plug
30	0332–2879–02	1	Rail, Terminal
31	A040N665	1	Module, Power Supply
32	0307–3182	1	Relay, Control
33	0332–2879–03	1	Rail, Terminal
34	A034H418	4	Lead, Ground
35	0526–0399–57	11	Washer, Flat
36	0850–0114–52	11	Washer, Lock
37	0862–0026–53	11	Nut, Hex
38	A043J128	20	Terminal, Crimp
39	A044V684	1	Connector, Receptacle
40	A047P255	2	Lead, Ground

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GIB Box
60Hz Layout 2
(Illustration #3)



Section E–E From Page 97



Section D–D

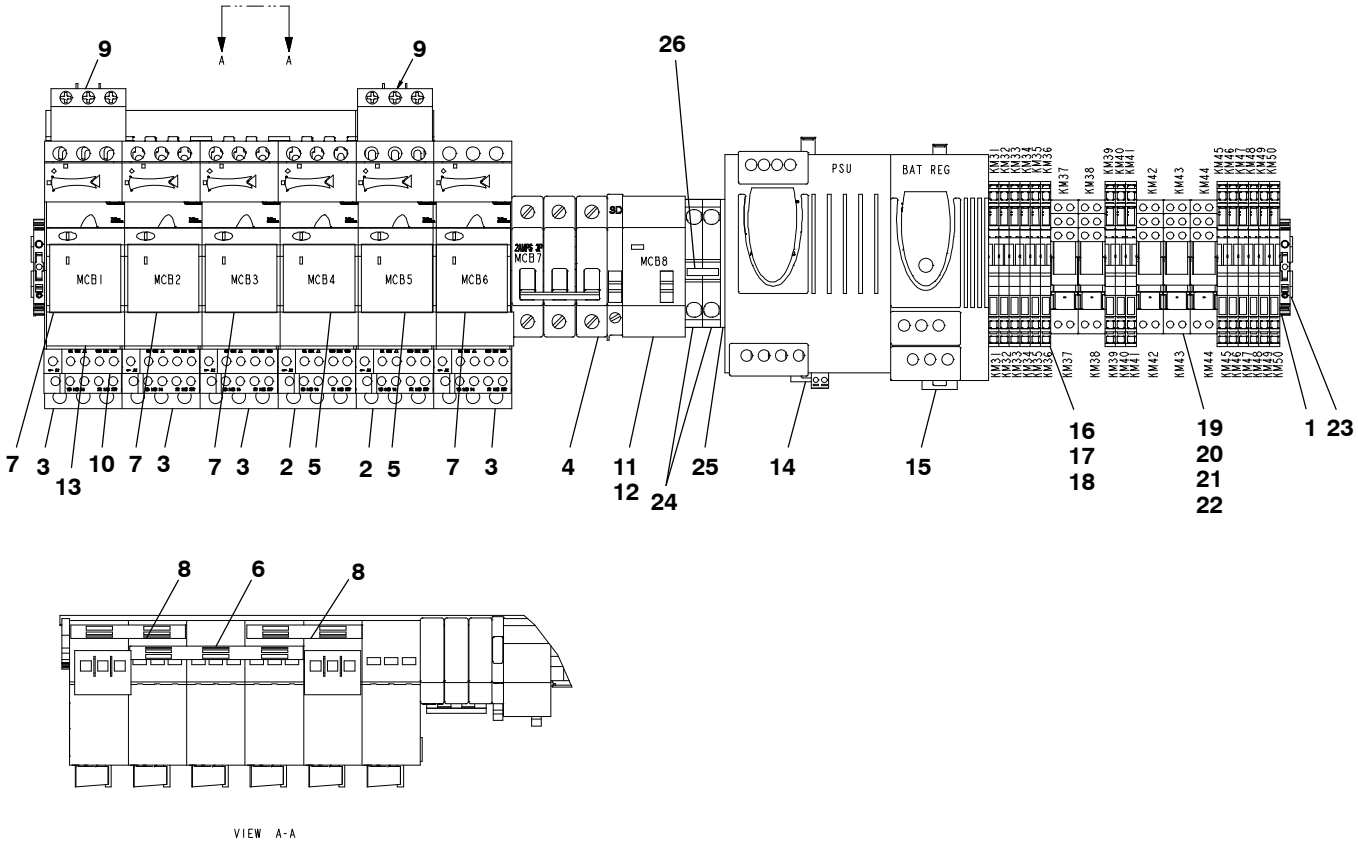
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GIB Box
60Hz Layout 2
(Illustration #3)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	0323–2399	1	Connector, Receptacle
2	0323–2124	1	Connector, Receptacle
3	0323–2127	2	Connector, Lock
4	0323–2126	2	Connector, Lock
5	0323–2125	1	Connector, Receptacle
6	0323–2122	1	Connector, Receptacle
7	0323–2147	1	Connector, Lock
8	0323–2148	1	Connector, Lock
9	0098–8626	1	Label, Information
10	A026N031	1	Label, Information
11	0526–0399–54	98	Washer, Flat
12	0815–1540–18	8	Screw, Fillister Head Slot
13	0323–2645	1	Connector, Receptacle
14	0323–2057	1	Connector, Receptacle
15	0323–2020	58	Kit, Pin
16	0526–0399–52	4	Washer, Flat
17	0815–1540–03	4	Screw, Fillister Head Slot
18	A026M966	13	Rivet, Dome Head
19	0323–2120	39	Contact, Pin
20	0323–1591	9	Seal, Plug
21	0323–2023	93	Plug, Cavity
22	0508–1201	1	Grommet
23	A048F434	1	Bracket, Mounting
24	A048F601	1	Bracket, Mounting
25	A044P805	1	Connector
26	A044P803	1	Connector
27	A044R460	1	Connector
28	A034E916	73	Pin, Contact
29	A034H418	4	Lead, Ground
30	0526–0399–57	11	Washer, Flat
31	0850–0114–52	11	Washer, Lock
32	0862–0026–53	11	Nut, Hex
33	A045K024	3	Lead, Ground
34	A047P255	2	Lead, Ground
35	0821–6001–01	4	Screw, Hex Head
36	A040V724	2	Grommet, Blind

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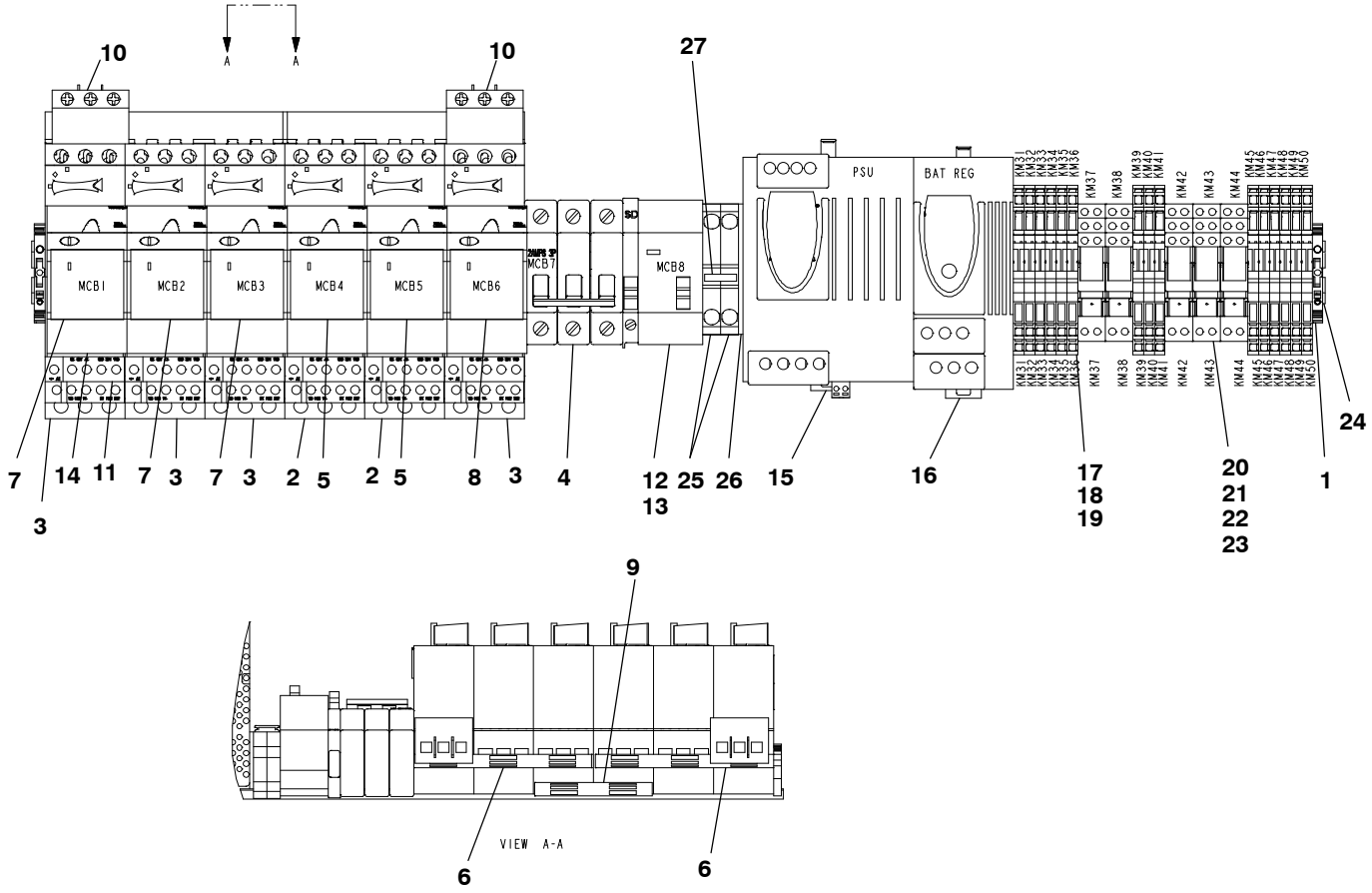
Relay Assembly
AC Control
60Hz



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332−4269	2	Block, Terminal
2	A026G101	2	Contactor
3	A026J779	4	Contactor
4	249−0845	1	Breaker, Circuit
5	320−2567	2	Breaker, Circuit
6	337−4093	1	Busbar
7	A028Z074	4	Breaker, Circuit
8	337−4094	2	Conductor, Rigid
9	337−4000	2	Busbar
10	A026M945	6	Contact, Socket
11	249−0839	1	Switch, Auxiliary Trip
12	A026M930	1	Breaker, Circuit
13	A026G111	6	Contact, Auxiliary
14	300−6600	1	Module, Power Supply
15	307−3182	1	Relay, Control
16	307−3177	15	Base, Relay
17	307−3179	15	Relay
18	332−3939−17	30	Strip, Marker
19	307−3178	5	Base, Relay
20	307−3180	5	Relay
21	307−3181	5	Bracket, Relay
22	322−0524	5	Module
23	332−2879−01	1	Rail, Terminal
24	A028Y966	2	Terminal, Electrical
25	A028Y968	1	Connector
26	A028Y971	1	Jumper, Terminal

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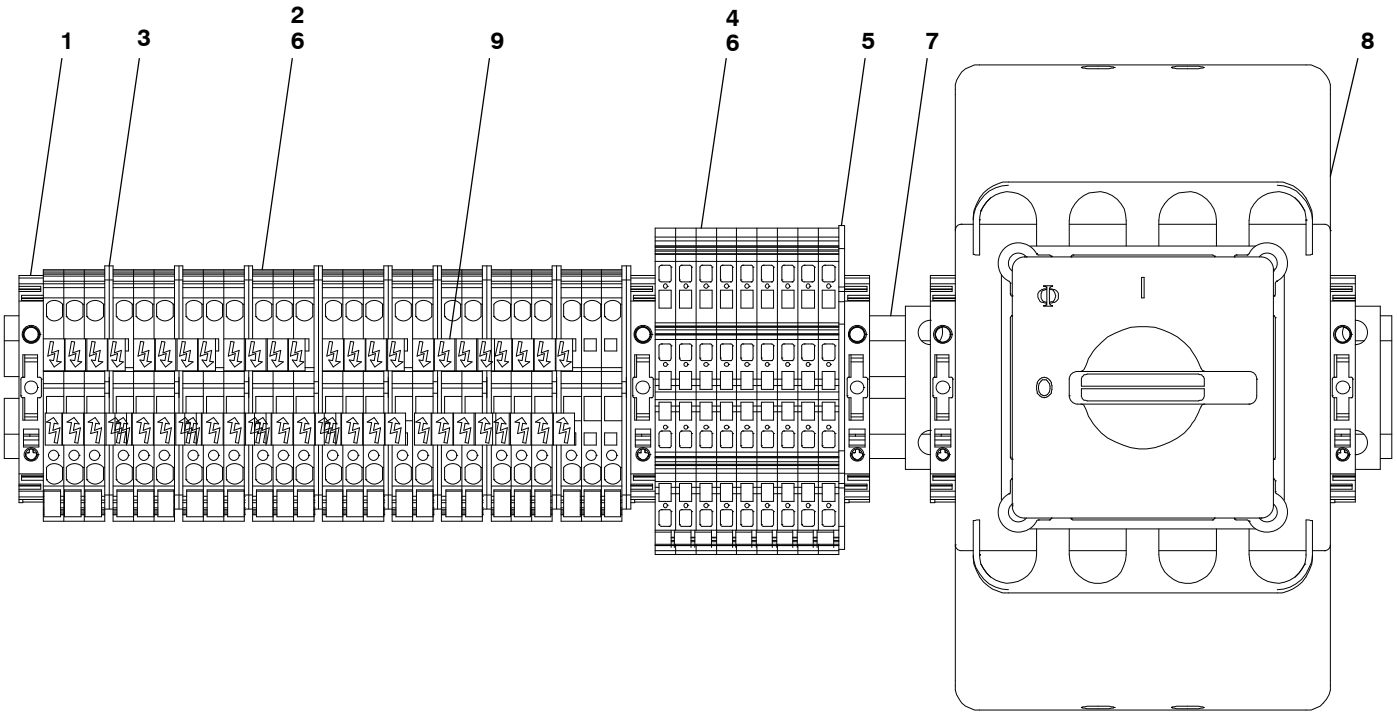
Relay Assembly
AC Control
50Hz



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332–4269	2	Block, Terminal
2	A026G101	2	Contactor
3	A026J779	4	Contactor
4	249–0845	1	Breaker, Circuit
5	320–2567	2	Breaker, Circuit
6	337–4093	2	Busbar
7	A028Z074	3	Breaker, Circuit
8	A026J776	1	Breaker, Circuit
9	337–4094	1	Conductor, Rigid
10	337–4000	2	Busbar
11	A026M945	6	Contact, Socket
12	249–0839	1	Switch, Auxiliary Trip
13	A026M930	1	Breaker, Circuit
14	A026G111	6	Contact, Auxiliary
15	300–6600	1	Module, Power Supply
16	307–3182	1	Relay, Control
17	307–3177	15	Base, Relay
18	307–3179	15	Relay
19	332–3939–17	30	Strip, Marker
20	307–3178	5	Base, Relay
21	307–3180	5	Relay
22	307–3181	5	Bracket, Relay
23	322–0524	5	Module
24	332–2879–01	1	Rail, Terminal
25	A028Y966	2	Terminal, Electrical
26	A028Y968	1	Connector
27	A028Y971	1	Jumper, Terminal

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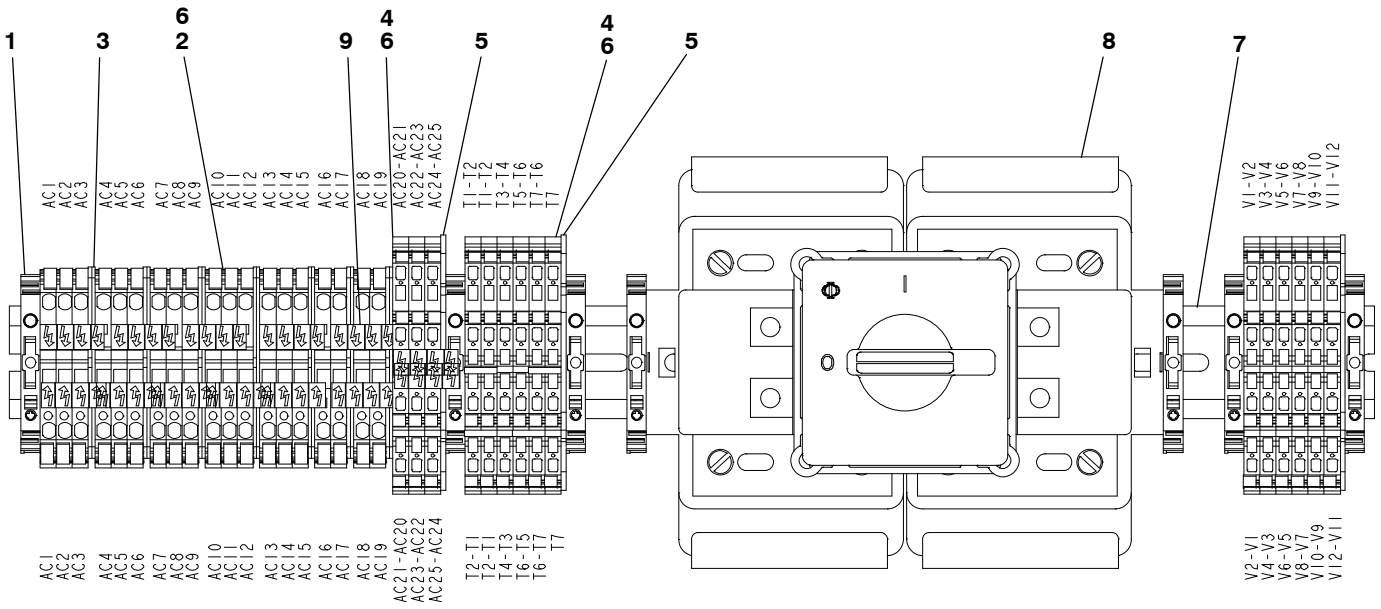
Terminal Block
Engine AC
50Hz

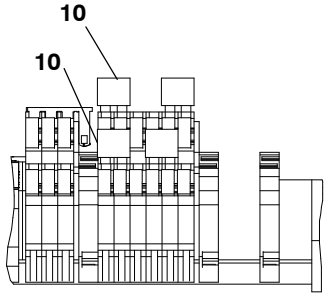


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332–4269	5	Block, Terminal
2	332–4275–01	25	Block, Terminal
3	332–4273–01	9	Plate, Terminal End
4	332–4404	9	Block, Terminal
5	332–4432	1	Block, Terminal
6	332–3939–17	34	Strip, Marker
7	332–2879–01	1	Rail, Terminal
8	320–2398	1	Switch, Disconnect
9	332–4427	13	Strip, Marker

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Terminal Block
Engine AC
60Hz

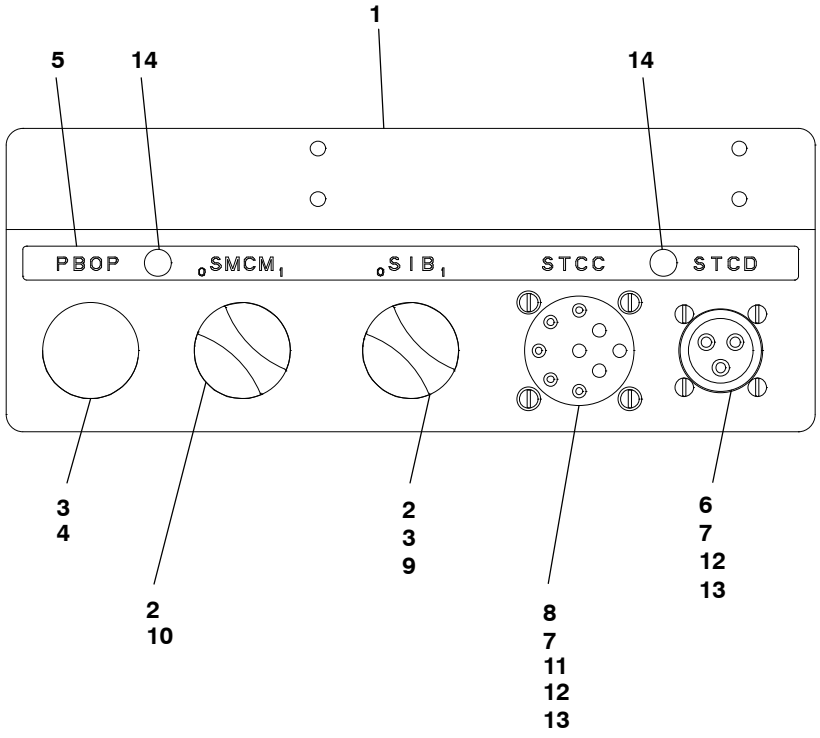




REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332–4269	7	Block, Terminal
2	332–4275–01	19	Block, Terminal
3	332–4273–01	7	Plate, Terminal End
4	332–4404	15	Block, Terminal
5	332–4432	3	Block, Terminal
6	332–3939–17	98	Strip, Marker
7	332–2879–01	1	Rail, Terminal
8	320–2416	1	Switch, Disconnect
9	332–4427	13	Strip, Marker
10	332–4409–02	4	Jumper, Terminal

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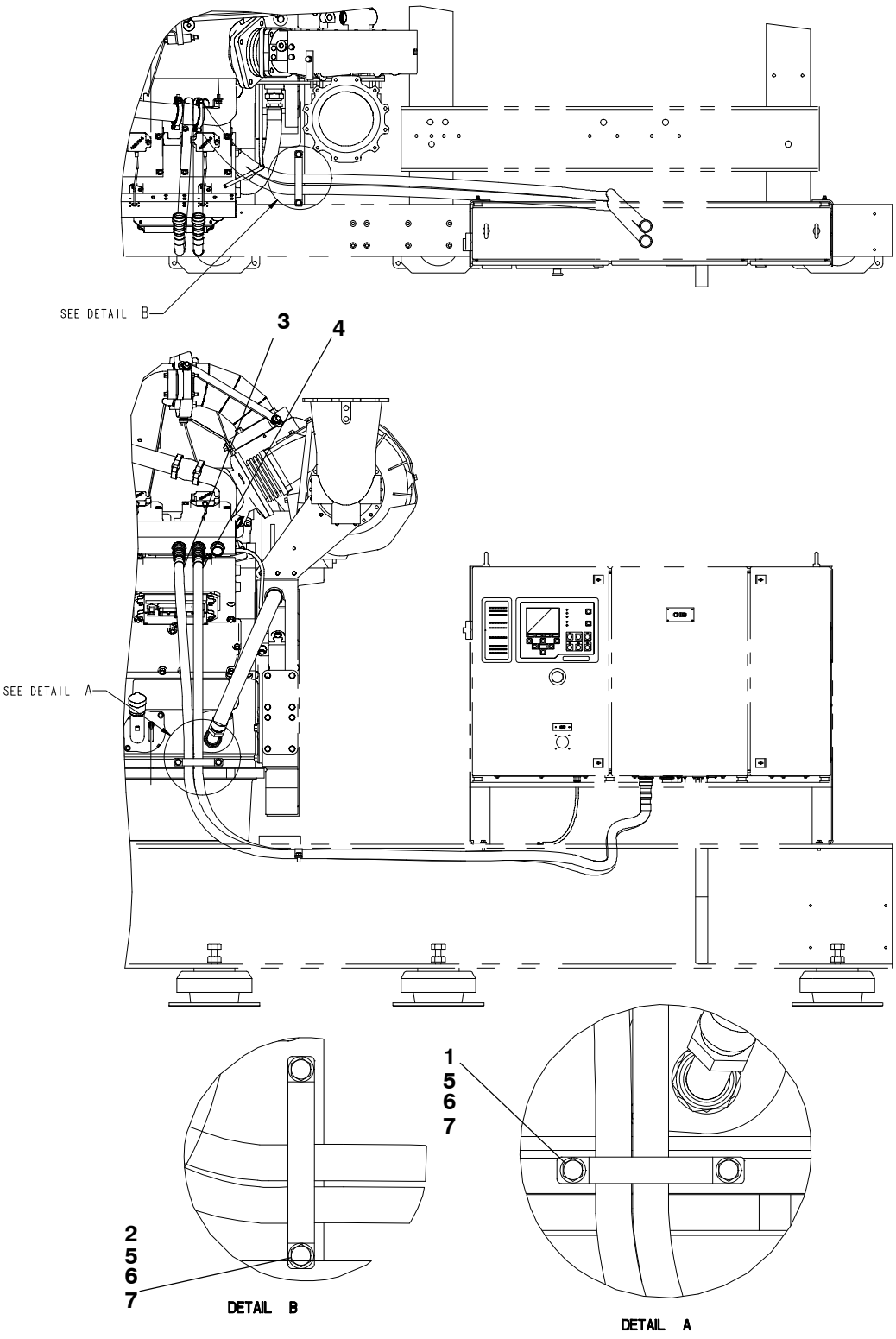
Thermostat Bracket Assembly



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319–7402–02	1	Plate, Mounting
2	308–1232	2	Switch, Rotary
3	306–5274	2	Contact, Auxiliary
4	308–1135	1	Switch, Push Button
5	A026M960	1	Label, Switch
6	323–2144	1	Connector, Receptacle
7	323–2020	8	Kit, Pin
8	323–2057	1	Connector, Electrical
9	306–5256	3	Contact, Auxiliary
10	A026M447	1	Contact, Auxiliary
11	526–0399–52	8	Washer, Flat
12	815–1540–06	8	Screw, Slotted – Fillister Head
13	862–0026–51	8	Nut, Hex
14	A026M966	2	Rivet, Dome Head

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Extension Harness

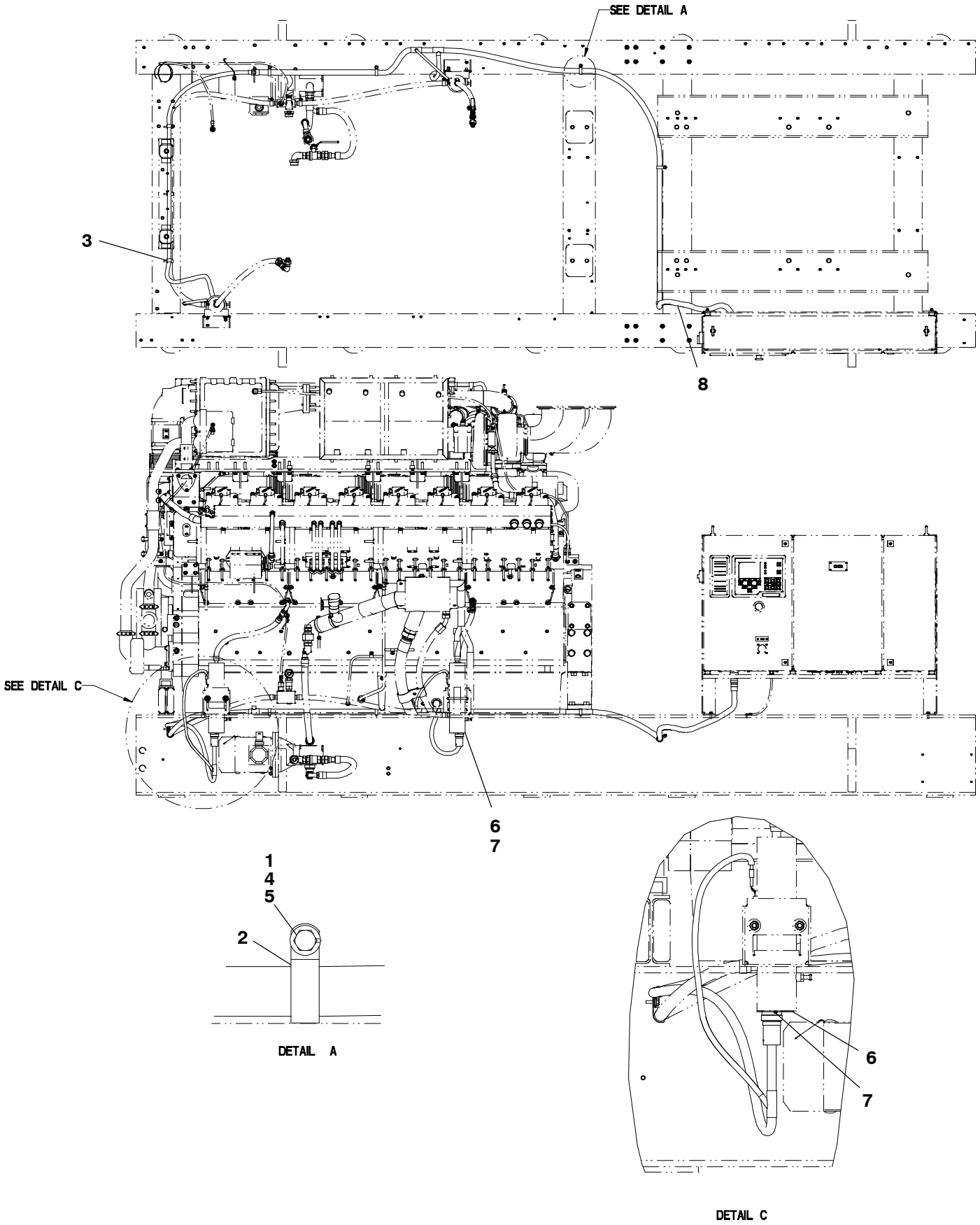


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	331–0611–02	1	Clamp, Conduit
2	331–0610–02	1	Clamp, Conduit
3	338–4813	1	Harness, Wiring
4	338–4814	1	Harness, Wiring

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
5	526–0399–64	4	Washer, Flat
6	850–0114–56	4	Washer, Lock
7	800–3017–53	4	Screw, Hex Head

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AC Harness



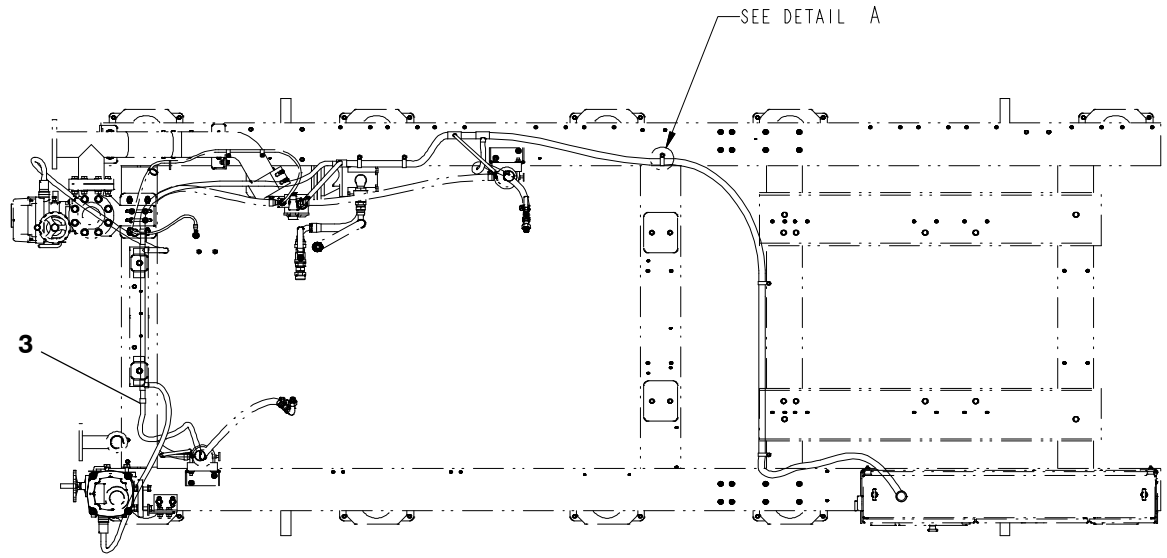
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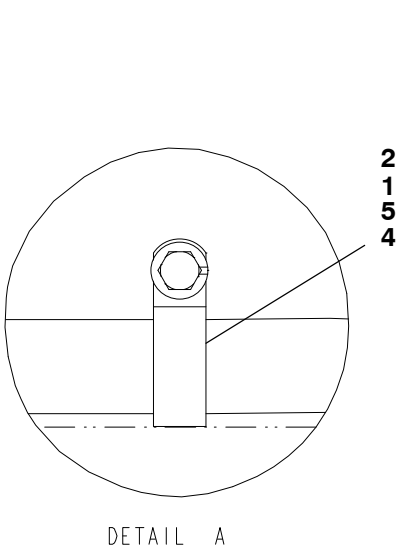
AC Harness

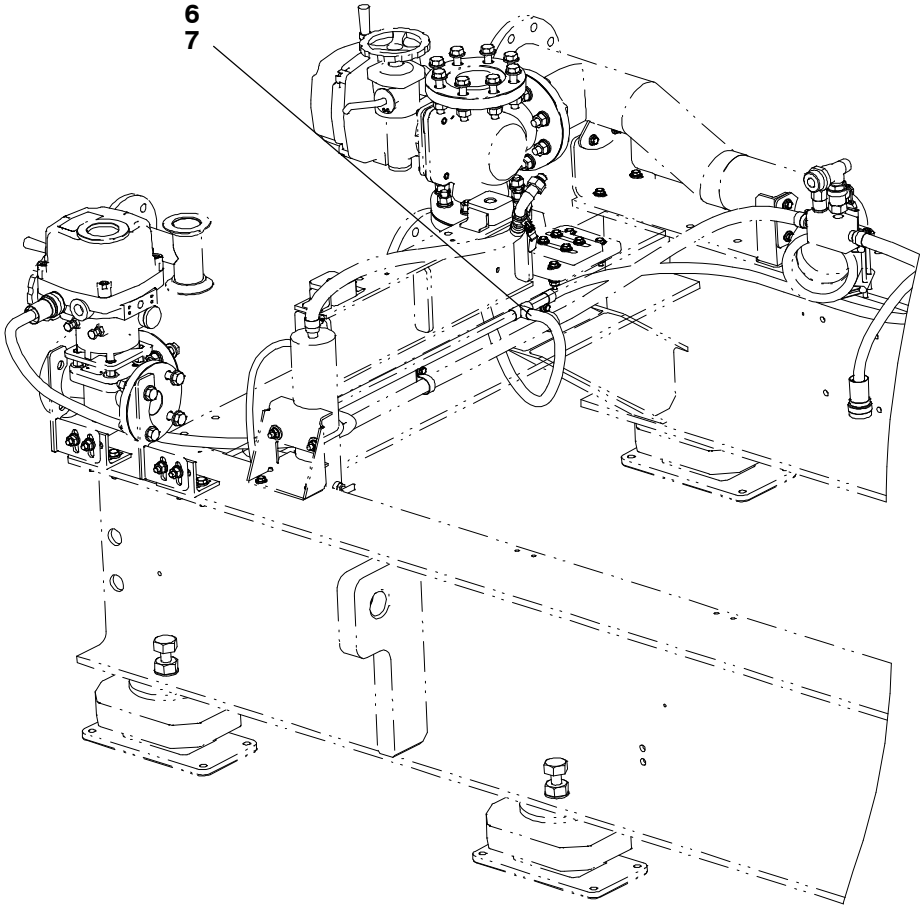
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	526−0399−60	5	Washer, Flat
2	518−0548−05	5	Clamp, Hose
3	518−0548−38	2	Clamp, Hose
4	850−0114−54	5	Washer, Lock
5	800−3017−18	5	Screw, Hex Head
6	130−5391−02	2	Cover, Heater
7	815−0464	4	Screw, Recessed Head
8	338−4759	1	Harness, Wiring − AC

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AC Harness



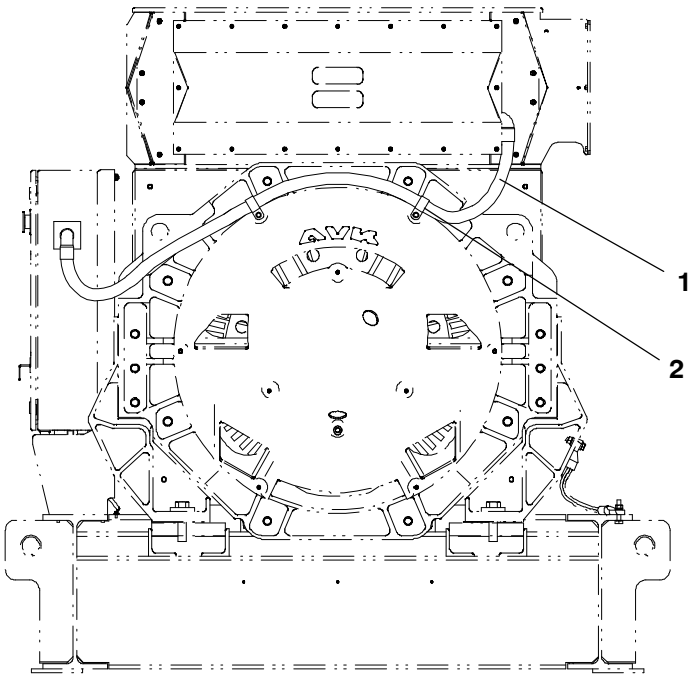




REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	526–0399–60	5	Washer, Flat
2	518–0548–05	5	Clamp, Hose
3	518–0548–38	2	Clamp, Hose
4	850–0114–54	5	Washer, Lock
5	800–3017–18	5	Screw, Hex Head
6	338–4851	1	Harness, Wiring
7	338–4903	1	Harness, Wiring

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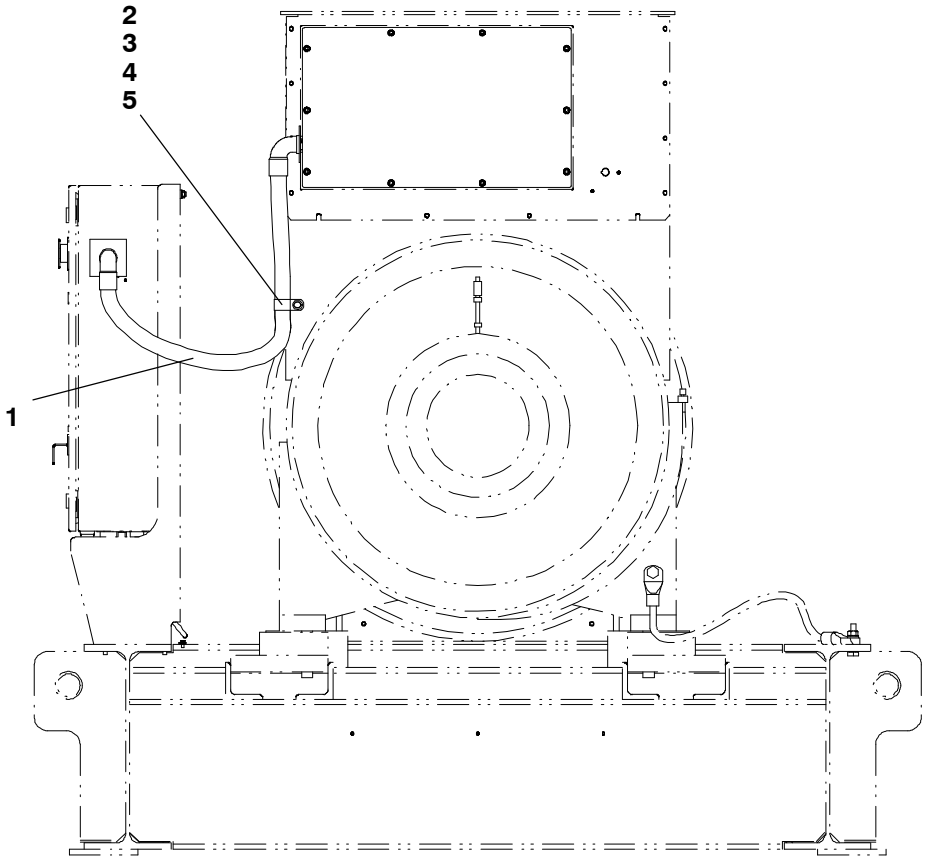
Wiring Harness
Alternator Sensor P80
C1160 N5C, C1400 N6C



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338–4769	1	Harness, Wiring – Alternator Sensor	2	518–0548–43	2	Clamp, Hose

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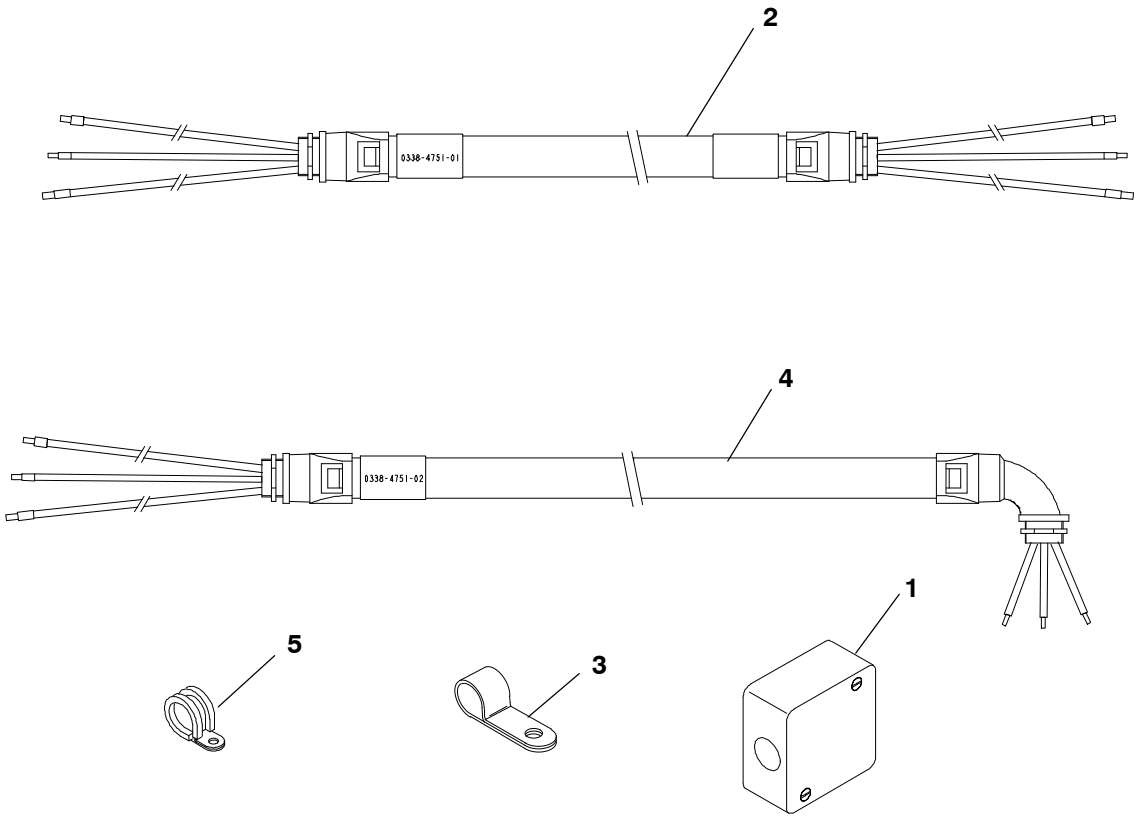
Wiring Harness
Alternator Sensor P7
C1160 N5C, C1400 N6C



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338–4770	1	Harness, Wiring – Alternator Sensor
2	518–0548–58	1	Clamp, Hose
3	526–0399–62	1	Washer, Flat (M10)
4	800–3017–37	1	Screw, Hex Head (M10 x 1.5 x 25)
5	850–0114–55	1	Washer, Lock (M10)

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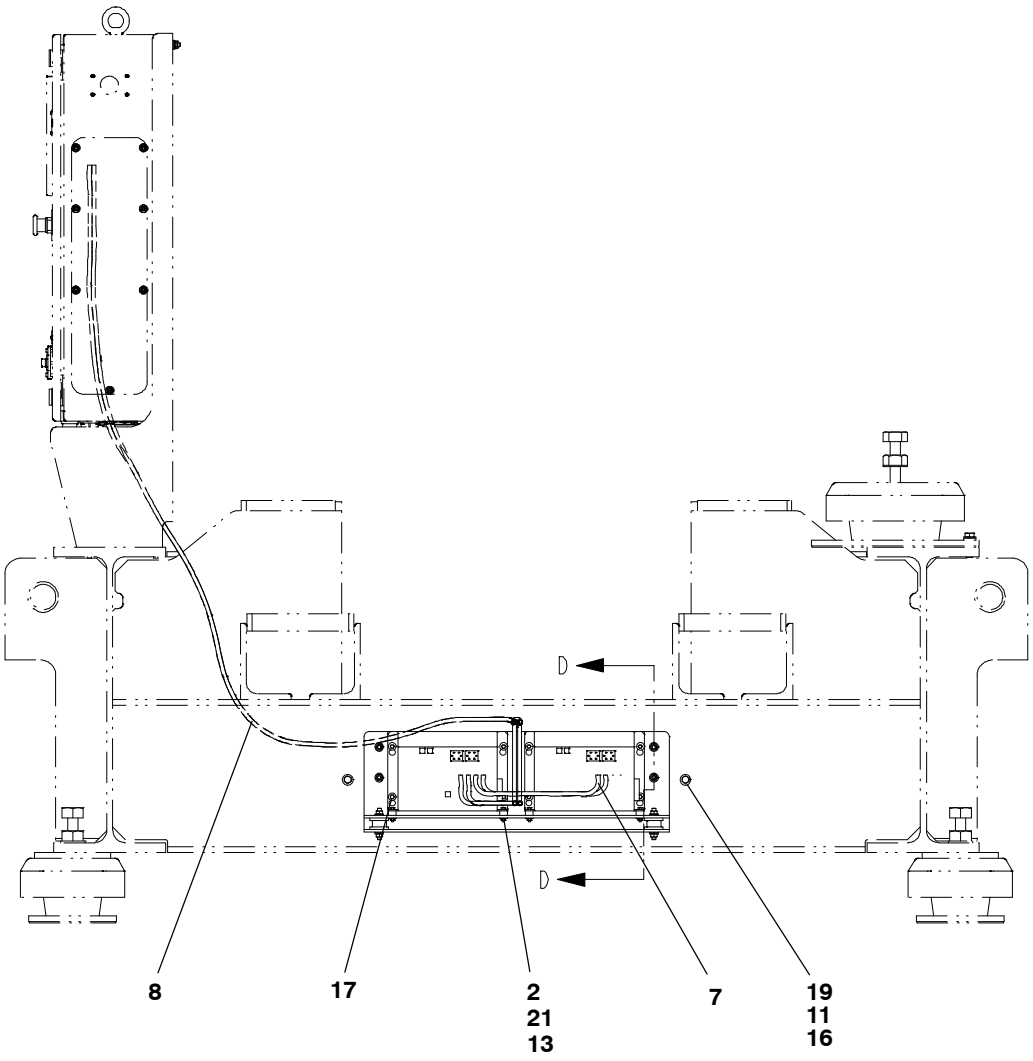
Wiring Harness
Alternator
C1160 N5C, C1400 N6C

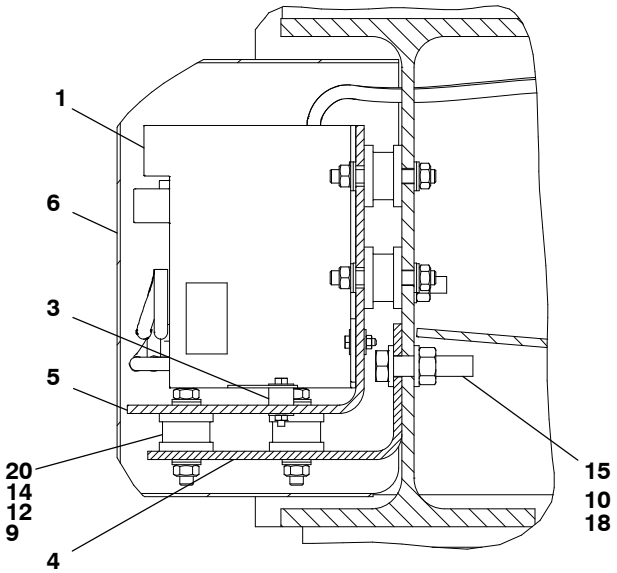


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	330–0159	1	Box, Junction – P7
2	338–4751–01	1	Harness, Heater – P7
3			Clamp, Hose
	518–0548–21	4	P7
	518–0548–21	1	P80
4	338–4751–02	1	Harness, Heater – P80
5	518–0730	1	Clip, Tube – P80

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Power Supply





SECTION D-D

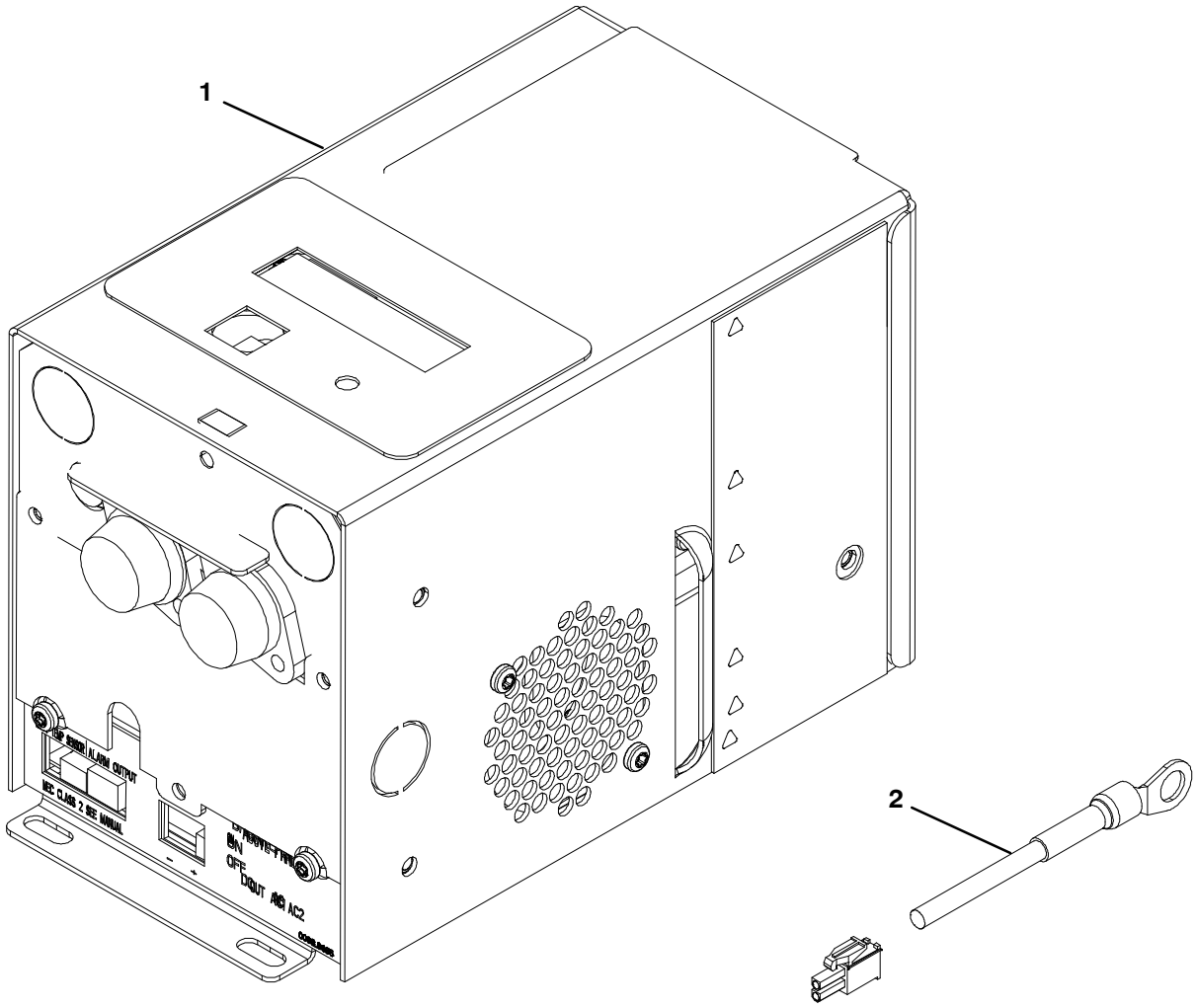
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Power Supply

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	A026G754	2	Battery, Lead Acid
2	A026G696	4	Screw, Cap – Hex Head (M4 x 0.7 x 25)
3	A026G558	4	Spacer
4	A026G556	1	Holder, Battery
5	A026G553	1	Holder, Battery
6	A026G550	1	Cover, Battery
7	A026G282	1	Harness, Direct Current
8	A026G281	1	Harness, Direct Current
9	A005A150	8	Pad, Mounting
10	862–0026–57	3	Nut, Hex (M12)
11	862–0026–56	2	Nut, Hex (M10)
12	862–0026–55	16	Nut, Hex (M8)
13	862–0026–52	12	Nut, Hex (M4)
14	850–0114–54	16	Washer, Lock (M8)
15	800–3017–58	3	Screw, Hex Head (M12 x 1.75 x 50)
16	800–3017–38	2	Screw, Hex Head (M10 x 1.5 x 30)
17	800–0309–76	8	Screw, Machine – Hex Head (M4 x 0.7 x 16)
18	526–0399–64	6	Washer, Flat (M12)
19	526–0399–62	4	Washer, Flat (M10)
20	526–0399–60	16	Washer, Flat (M8)
21	526–0399–57	24	Washer, Flat (M5)

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Battery Charger
15/12 Amp, 12/24 Volt
C1160 N5C, C1400 N6C

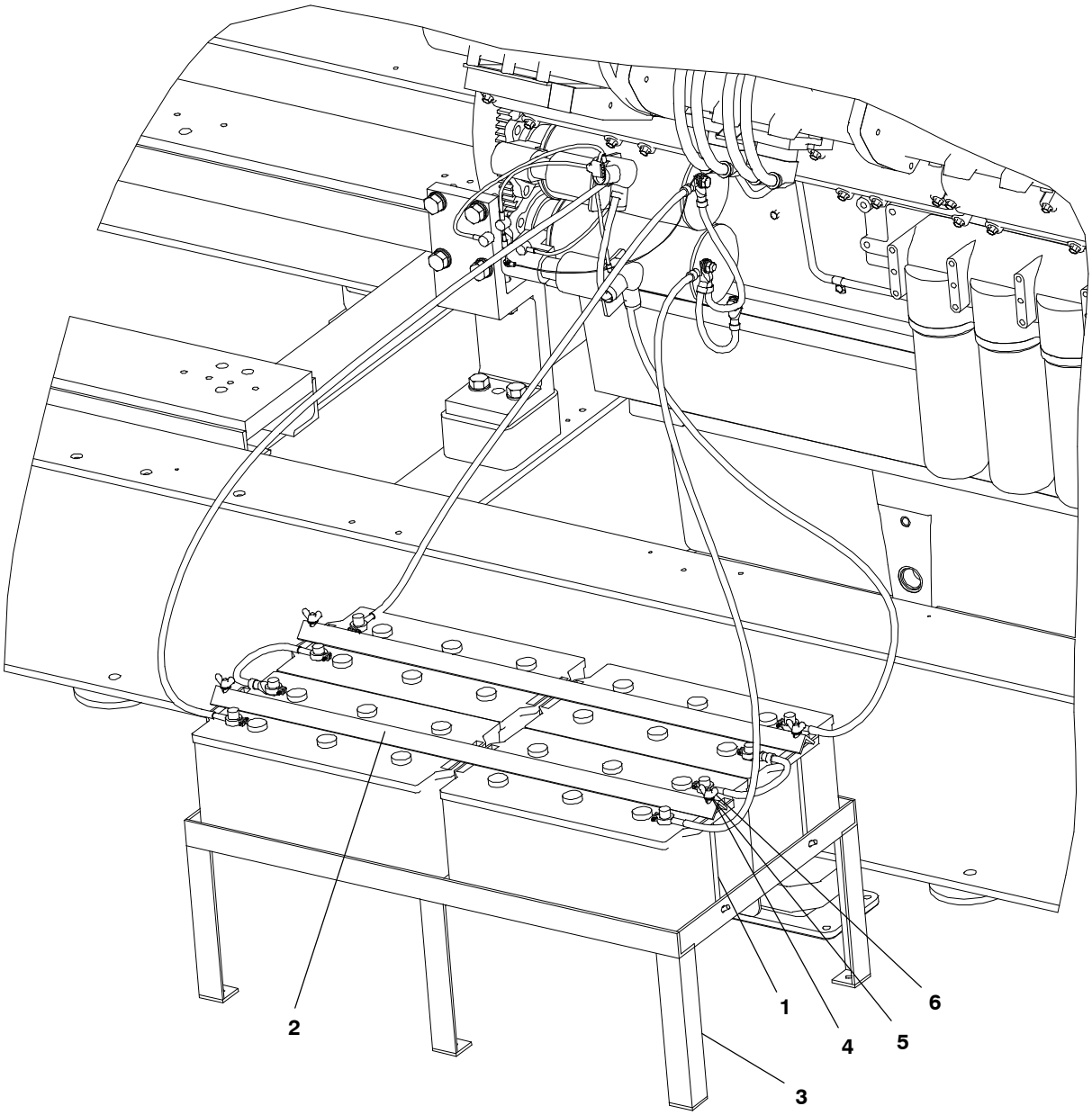


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Charger, Battery
	300−5878−13	1	120, 208, 240V
	300−5878−15	1	380V
	300−5878−16	1	416V
	300−5878−17	1	480V
	300−5878−18	1	600V

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
2	193−0530	1	Sensor, Temperature − Battery

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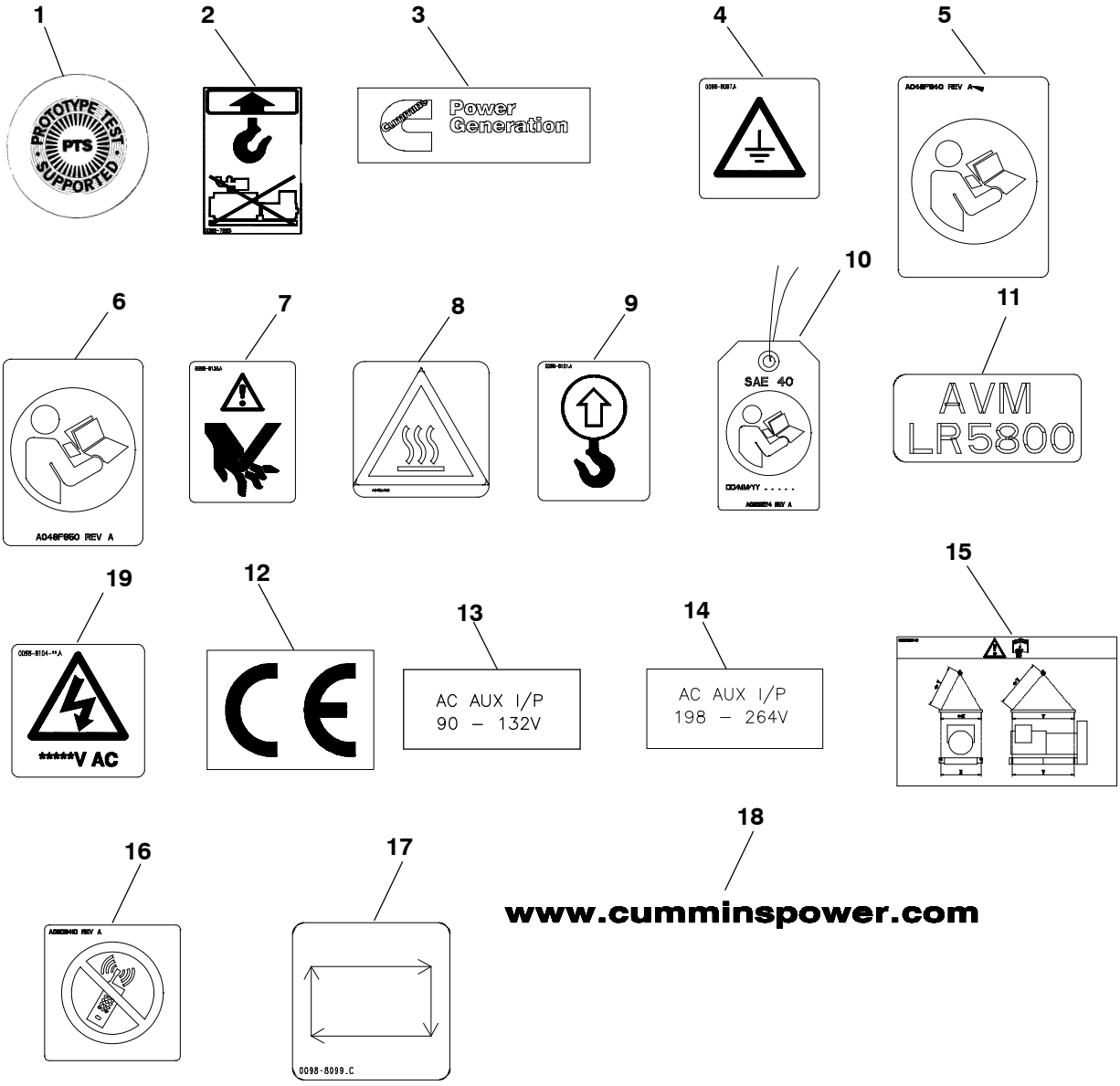
Battery Frame



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
4	526–0399–60	4	Washer, Flat (M8)
5	850–0114–54	4	Washer, Lock (M8)
6	865–0031	4	Nut, Wing (M8)

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Miscellaneous Labels



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Miscellaneous Labels

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	098–4500	A/R	Label – Prototype Tested
2	098–7895	A/R	Label, Warning – Do Not Lift
3			Label, Logo
	098–7902–03	A/R	118.2 x 299.2
	098–7902–04	A/R	180.6 x 457.4
4	098–8097	A/R	Label, Information – Earth/Ground
5	A048F940	A/R	Label, Instruction
6	A048F950	A/R	Label, Warning – Service Manual
7	098–8130	A/R	Label, Caution – Rotating Parts
8	A048J466	A/R	Label, Warning – Hot Surface
9	098–8101	A/R	Label, Information – Lifting Eye
10	A050B275	A/R	Label, Information – Oil Fill
11	098–8503	A/R	Label, Information
12	098–8221	A/R	Label, Logo
13	098–8024	A/R	Label, Information
14	098–8023	A/R	Label, Information
15	098–8324	A/R	Label, Warning – Lifting
16	A050B410	A/R	Label, Caution
17	098–8099	A/R	Label, Danger
18	098–8220	A/R	Label, Information
19			Label, Warning
	098–8104–20	1	240V
	098–8104–21	1	110V
	098–8104–01	1	380V
	098–8104–02	1	480V
	098–8104–03	1	415V
	098–8104–04	1	440V
	098–8104–05	1	480V
	098–8104–06	1	600V
	098–8104–07	1	3300V
	098–8104–08	1	4160V
	098–8104–09	1	6000V
	098–8104–10	1	6300V
	098–8104–11	1	6600V
	098–8104–12	1	7200V
	098–8104–13	1	10000V
	098–8104–14	1	10500V
	098–8104–15	1	11000V
	098–8104–16	1	11400V
	098–8104–17	1	12470V
	098–8104–18	1	13200V
	098–8104–19	1	13800V

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