

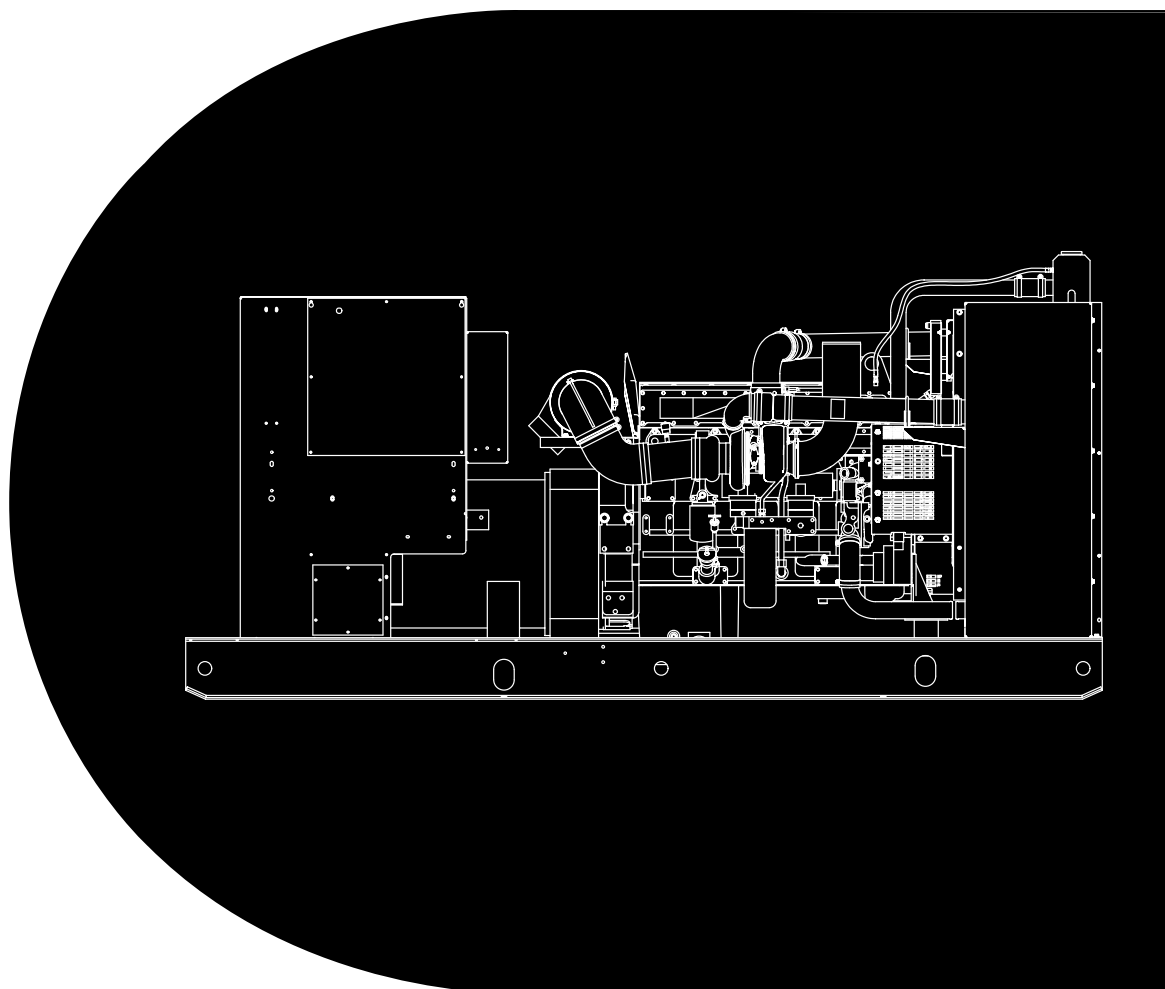
Parts Catalog

Models

DQAD (Spec A)

DQAE (Spec A)

DQAF (Spec A)



MODEL IDENTIFICATION

This catalog covers models produced under the Cummins®/Onan® and Cummins Power Generation brand names.

To avoid errors or delay in filling your parts order, always give the MODEL, SPEC NO. and SERIAL NO. from the Cummins Power Generation nameplate.

For handy reference, insert your nameplate information in the spaces below.

MODEL AND SPEC NO.

SERIAL NO.

DIGITAL CONTROL SOFTWARE VERSION
AND DATE (IF APPLICABLE)

SAFETY PRECAUTIONS

The following symbols are used in Cummins Power Generation manuals to alert users to the potentially dangerous conditions relating to maintenance of equipment and replacement of parts. Please read and observe.



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



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



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

PRODUCT SAFETY PRECAUTIONS



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



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



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



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

Introduction

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

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

Replacement Engine

Cummins Power Generation Generator Model	Cummins Engine Model
DQAD	QSM11-G1
DQAE	QMS11-G2
DQAF	QMS11-G2

Generator Set Data Table

Model and Specification	Electrical Data					Battery Voltage
	Watts	Volts	Hertz	Wire	Phase	
220DQAD/* 250DQAD/*	220,000 250,000	# #	50 60	12 12	3 3	24VDC 24VDC
250DQAE/* 275DQAE/*	250,000 275,000	# #	50 60	12 12	3 3	24VDC 24VDC
275DQAF/* 300DQAF/*	275,000 300,000	# #	50 60	12 12	3 3	24VDC 24VDC

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

– Broad range reconnectible

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Abbreviations

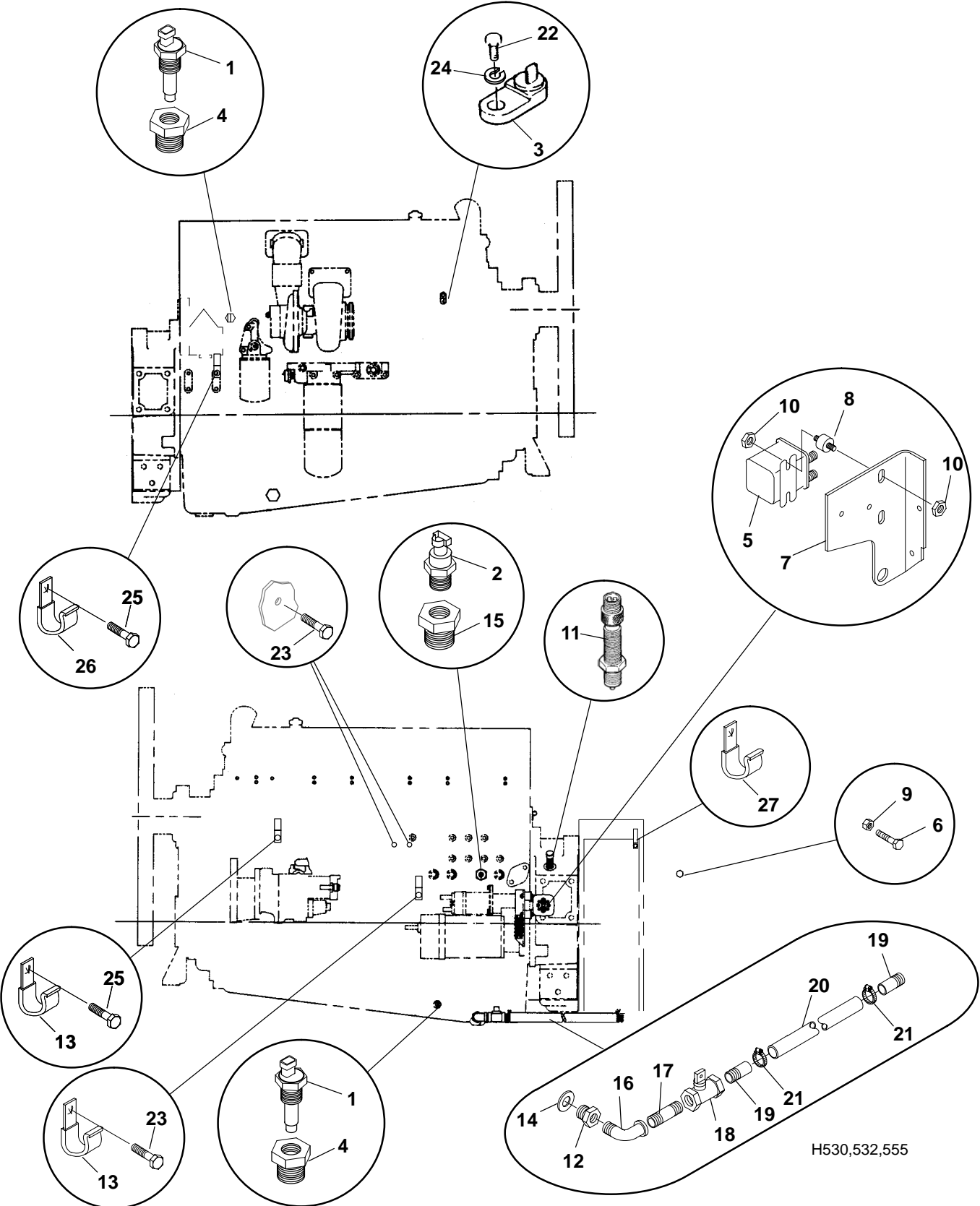
Some of the following abbreviations may be used throughout this Parts Catalog:

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

Paint and Thread Sealant

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

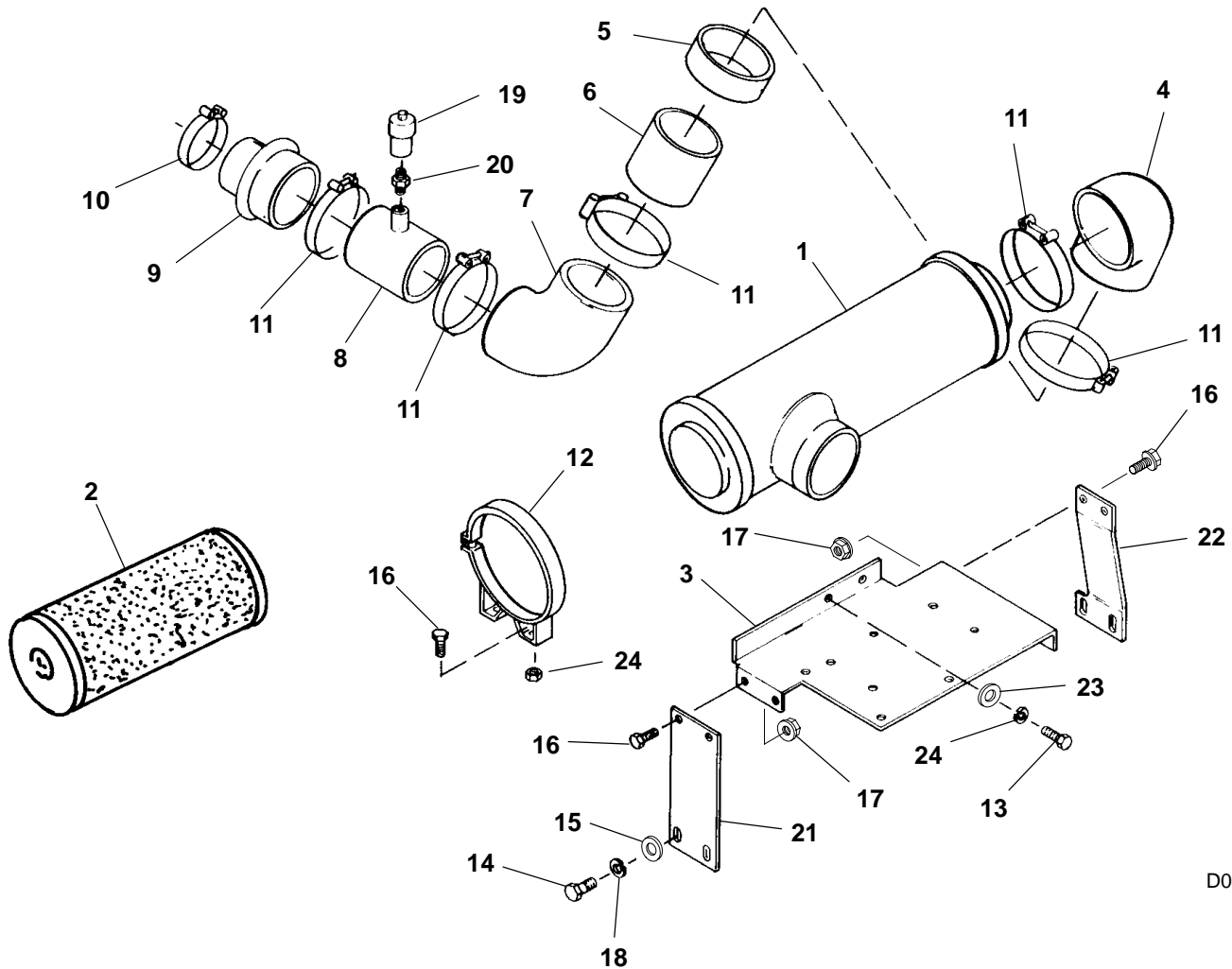
Engine Accessories



Engine Accessories

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	193-0432	2	Sender, Oil Temperature (E2 Engine Block, E4 Oil Pan)	15	502-1217-01	1	Adapter, Female – Brass
2	193-0444	1	Sender, Oil Pressure (S1)	16	505-0050	1	Elbow, Pipe – Street – 90 Deg (1/2")
3	309-0269	1	Switch, Temperature – Low Engine Coolant (S4)	17	505-0100	1	Nipple, Pipe – Close (1/2")
4	505-0019	2	Bushing, Pipe – Reducer (1/2" to 3/8")	18	504-0011	1	Valve, Shutoff (1/2")
5	307-2621-02	1	Solenoid, Pilot (K4)	19	502-0827	2	Barb, Hose (1/2" x 3/4")
6	800-0091	1	Screw, Cap – Hex Head (1/2-13 x 1.25)	20	503-0098	–	Hose, Drain – Bulk (Order by the Foot – 3 Feet Required)
7	319-2236	1	Bracket, Mounting	21	503-0189	2	Clamp, Hose
8	402-0610	2	Isolator, Vibration	22	800-2107	1	Screw, Cap – Hex Head (M10 x 150mm)
9	862-0016	1	Nut, Hex (1/2-13)	23	800-2060	2	Screw, Cap – Hex Head (M10 x 20mm)
10	870-0212	4	Nut, Locking (1/4-20)	24	850-2010	1	Washer, Lock – Spring (M10)
11	151-0411	1	Pickup, Magnetic	25	800-0048	2	Screw, Cap – Hex Head (3/8-16 x .75)
12	102-1335	1	Plug, Oil Drain	26	518-0548-15	1	Clamp, Hose
13	518-0548-02	2	Clamp, Hose	27	518-0548-44	1	Clamp, Hose
14	508-0292	1	Washer, Sealing – Copper				

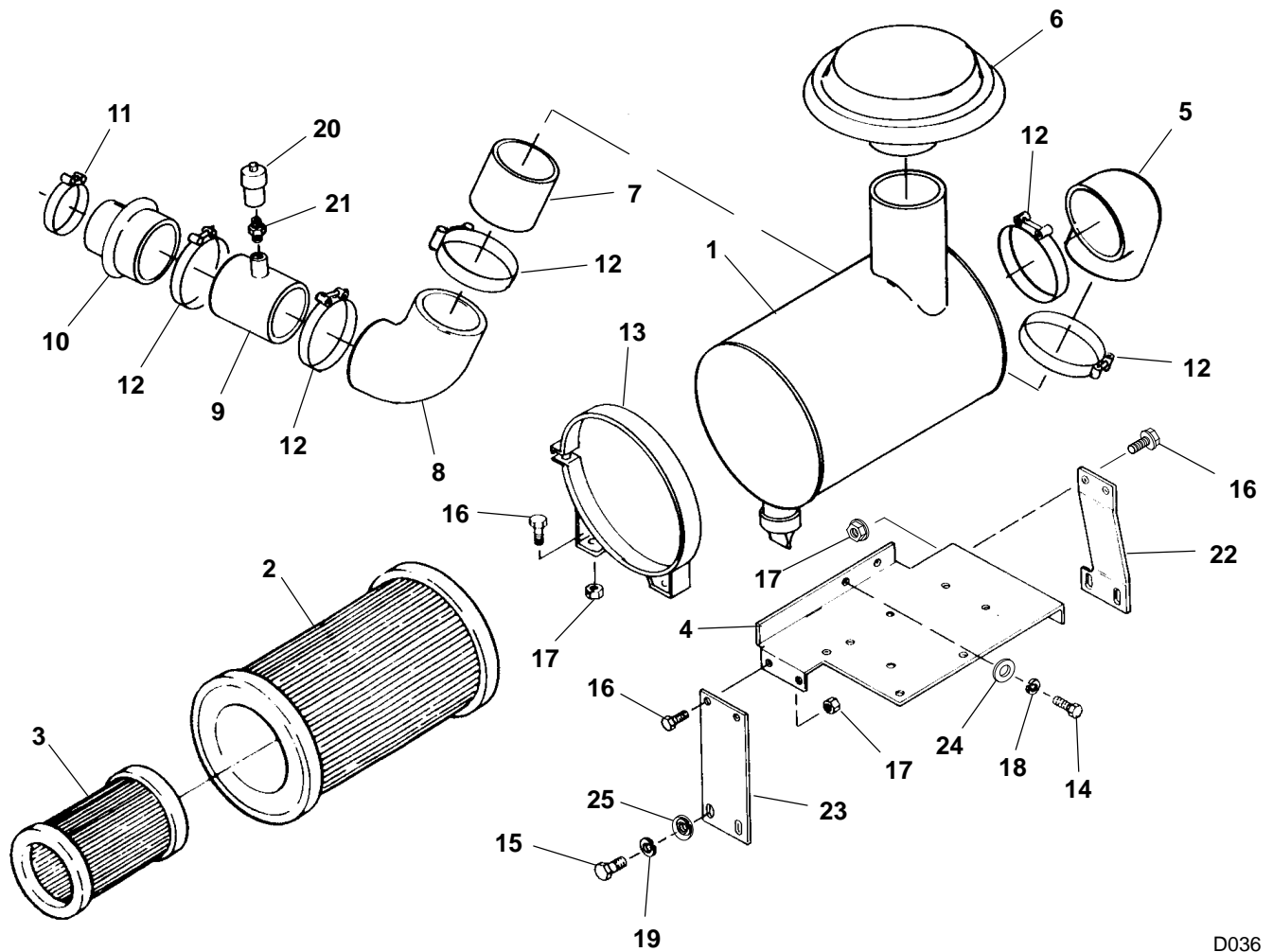
Air Cleaner Standard



D041

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-2634	1	Cleaner, Air (Includes Element)	14	800-0130	4	Screw, Cap – Hex Head (5/8–11 x 1")
2	140-2635	1	Element	15	526-0112	4	Washer, Flat (5/8")
3	140-2632	1	Bracket, Mounting	16	821-0029	8	Screw, Self-Locking – Hex Washer Head (3/8–16 x 3/4")
4	503-1461	1	Elbow, Hose – 90°	17	870-0281	8	Nut, Hex – Locking (3/8–16)
5	503-1720	1	Insert, Reducer	18	850-0070	4	Washer, Lock – Spring (5/8")
6	140-2633-02	1	Tube, Air Inlet	19	140-1548	1	Indicator, Service
7	503-1788	1	Elbow, Hose – 68°	20	140-1260	1	Fitting, Service Indicator
8	140-2607-03	1	Tube, Air Inlet	21	140-2655	1	Bracket, Mounting
9	140-1899	1	Tube, Reducer (5–1/2" to 4")	22	140-2656	1	Bracket, Mounting
10	503-1870-08	1	Clamp, Hose	23	526-2140	2	Washer, Flat (M12)
11	503-1870-11	5	Clamp, Hose	24	850-2012	2	Washer, Lock – Spring (M12)
12	140-1599	2	Band, Mounting				
13	800-2111	2	Screw, Cap – Hex Head (M12 x 25mm)				

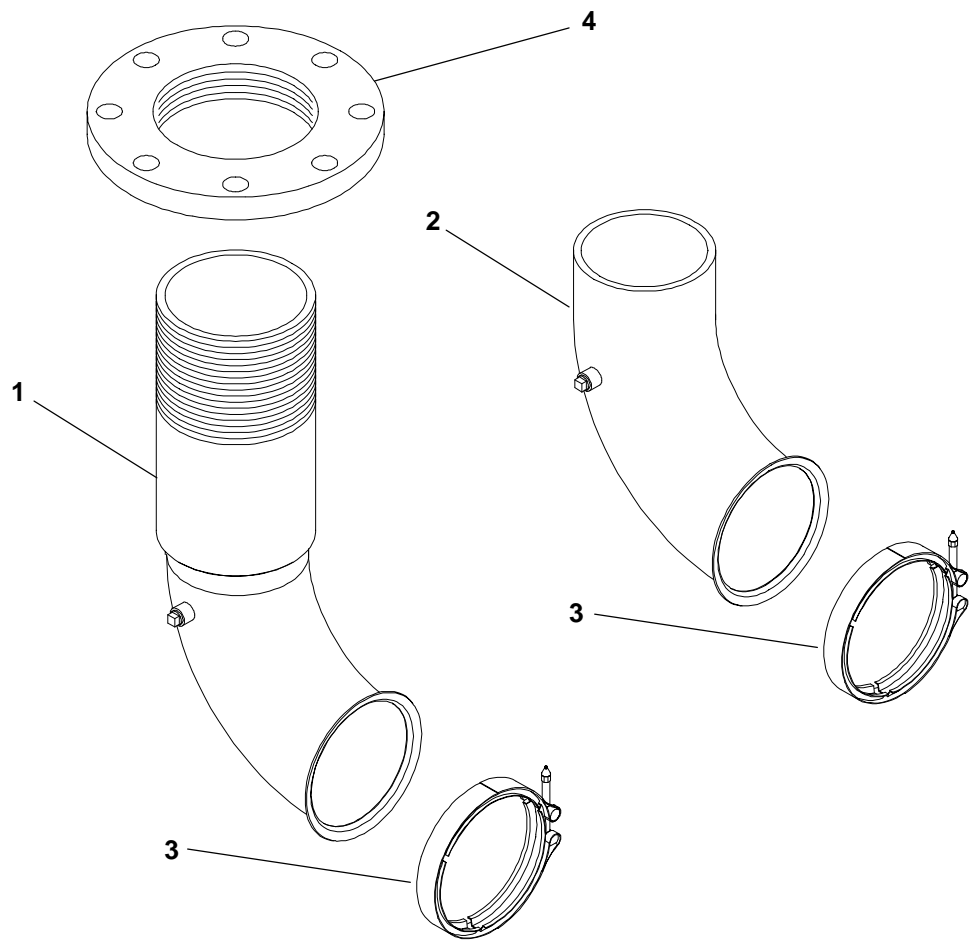
Air Cleaner Heavy Duty



D036

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-2637	1	Cleaner, Air (Includes Elements)	15	800-0130	4	Screw, Cap – Hex Head (5/8–11 x 1")
2	140-2636	1	Element, Filter (Outer)	16	821-0029	8	Screw, Self-Locking – Hex Washer Head (3/8–16 x 3/4")
3	140-2638	1	Element, Filter (Inner)	17	870-0281	8	Nut, Hex – Locking (3/8–16)
4	140-2632	1	Bracket, Mounting	18	850-2012	2	Washer, Lock – Spring (M12)
5	140-1415	1	Elbow, Hose – 90°	19	850-0070	4	Washer, Lock – Spring (5/8")
6	140-1347	1	Hood, Air Inlet	20	140-1548	1	Indicator, Service
7	140-2633-01	1	Tube, Air Inlet	21	140-1260	1	Fitting, Service Indicator
8	503-1788	1	Elbow, Hose – 68°	22	140-2656	1	Bracket, Mounting
9	140-2607-03	1	Tube, Air Inlet	23	140-2655	1	Bracket, Mounting
10	140-1899	1	Tube, Reducer (5–1/2" to 4")	24	526-2140	2	Washer, Flat (M12)
11	503-1870-07	1	Clamp, Hose	25	526-0112	4	Washer, Flat (5/8")
12	503-1870-11	5	Clamp, Hose				
13	140-0757	2	Band, Mounting				
14	800-2111	2	Screw, Cap – Hex Head (M12 x 25mm)				

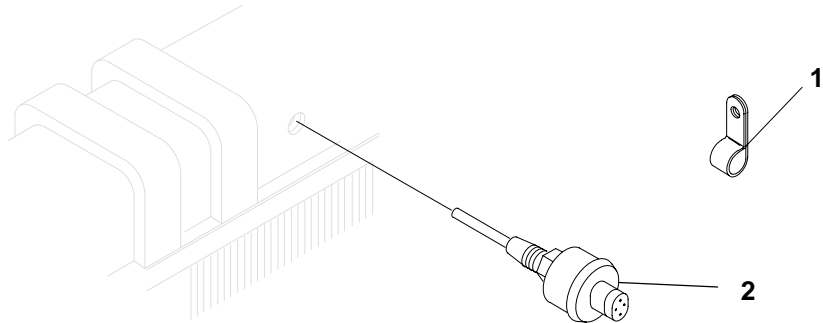
Exhaust Elbow



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-2409-04	1	Elbow, Exhaust (5" OD With Threads)
2	155-1241-01	1	Elbow, Exhaust (5" OD Without Threads)

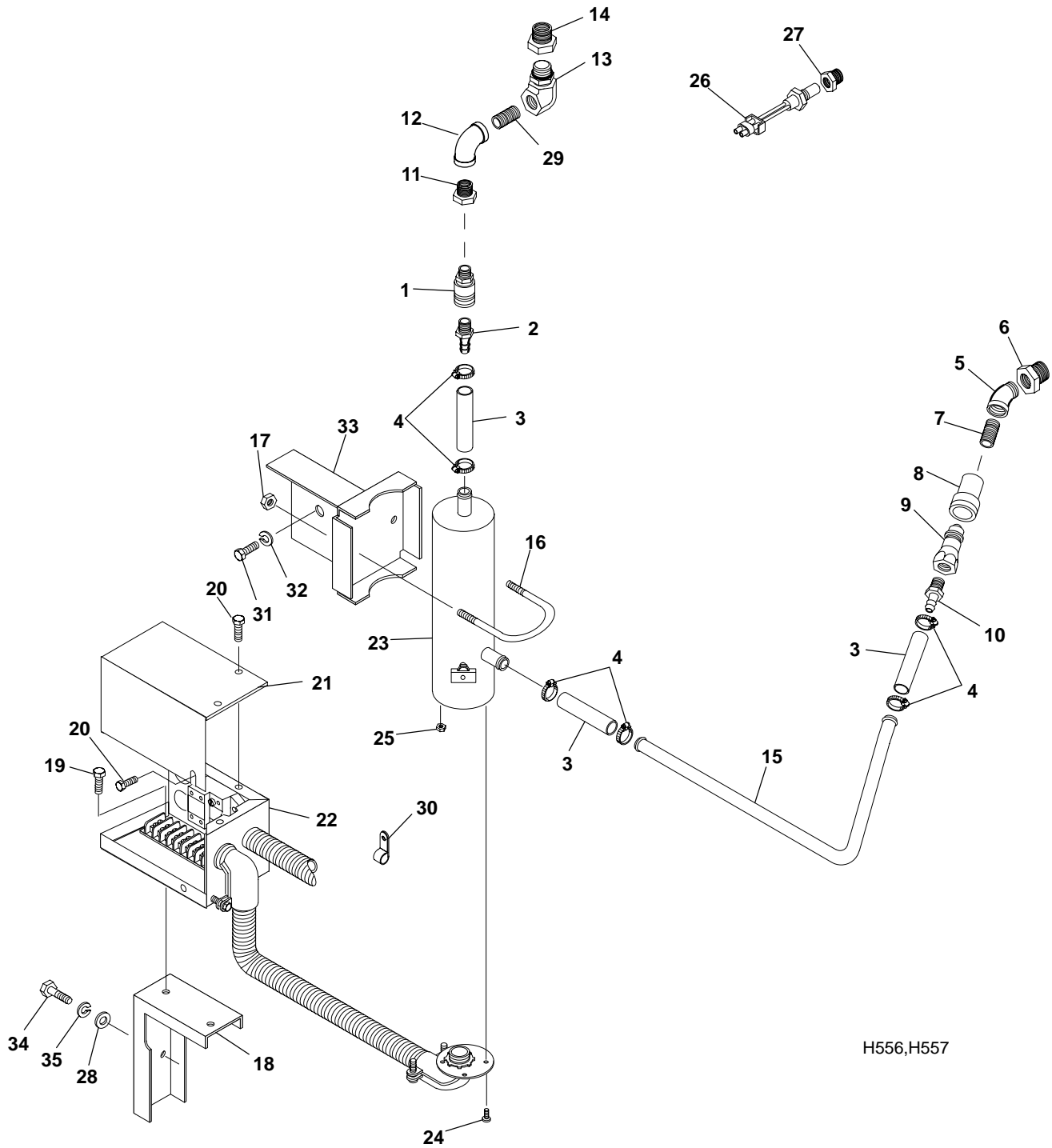
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
3	503-1575	1	Clamp, V-Band
4	155-0658-01	1	Flange, Companion (5") (Not Used on All Models)

Low Coolant Level Sender



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	518-0548-08	4	Clamp, Wiring Harness	2	193-0468	1	Sender, Low Coolant Level

Coolant Heater

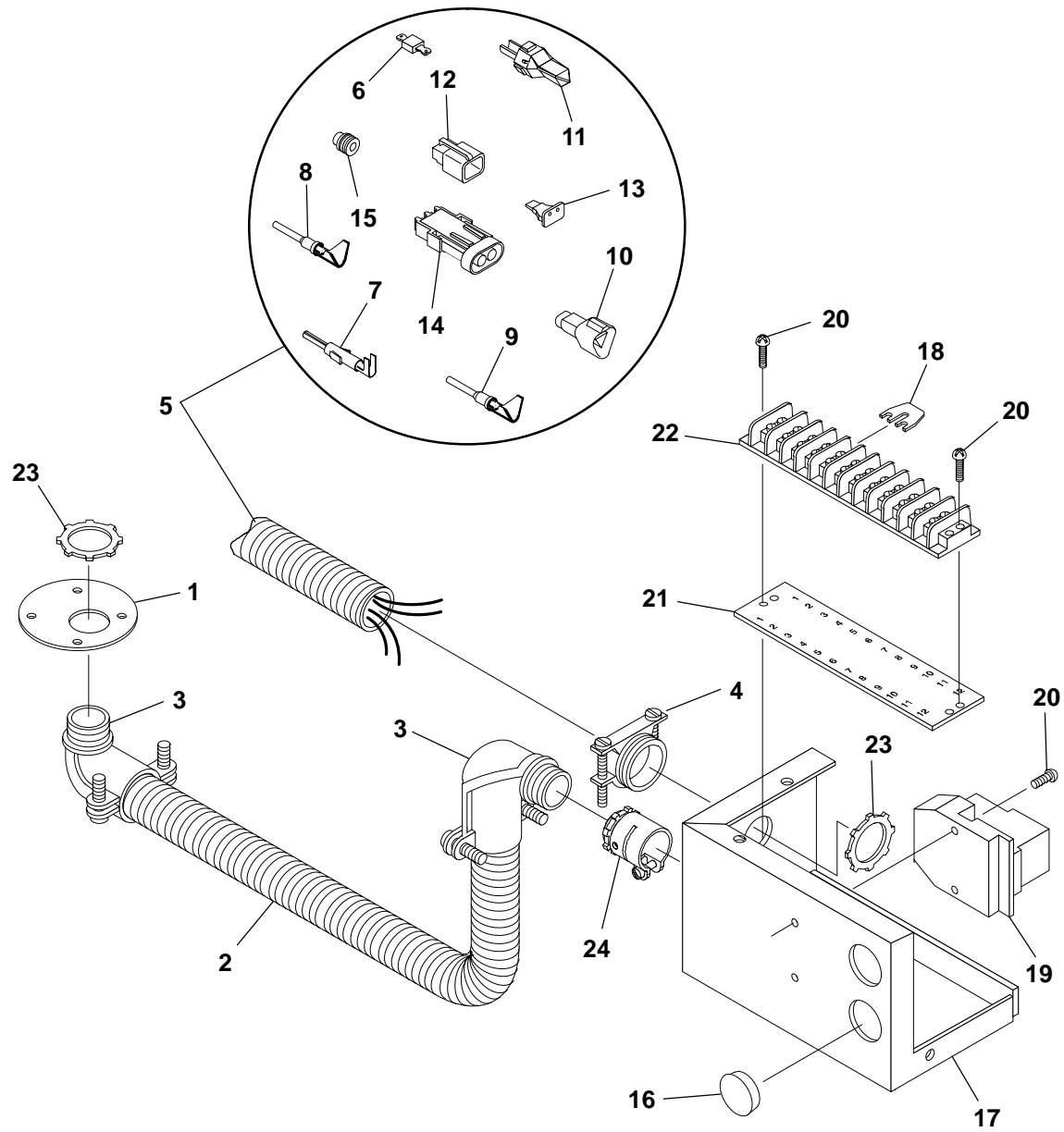


H556,H557

Coolant Heater

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	502-1259	1	Coupler, Coolant Heater (1/2")	22	—	1	Control Assembly, Coolant Heater (See Separate Page For Components)
2	502-1257	1	Connector, Hose Barb (For 3/4" ID Hose)	23			Heater, Coolant
3	503-1634-01	3	Hose, Silicon Rubber (3/4" ID x 4")		333-0639-01	1	4990 Watt
4	503-2157-01	6	Clamp, Hose		333-0639-02	1	6420 Watt
5	505-0050	1	Elbow, Pipe – 90 Deg (1/2")	24	815-0539	3	Screw, Machine – Round Head Cross Recessed W/IT (#8-32 x 5/8")
6	505-0022	1	Bushing, Reducer (1" to 1/2")				
7	505-0100	1	Nipple, Pipe (1/2")	25	870-0131	3	Nut, Hex W/ET (#10-32)
8	502-1260	1	Coupler, Coolant Heater	26	309-0649	1	Thermostat (S11)
9	502-1261	1	Nipple, Coolant Heater (1/2")	27	502-1336	1	Bushing, Reducer (1/2" x 3/8")
10	502-0827	1	Connector, Hose Barb (For 3/4" ID Hose)	28	526-0029	2	Washer, Flat (3/8")
11	505-0021	1	Bushing, Reducer (3/4" x 1/2")	29	505-0085	1	Nipple, Pipe (3/4")
12	505-0132	1	Elbow, Pipe – 90 Deg (3/4")	30	332-3196	2	Clamp, "J" – Retainer – Wiring Harness (Coolant Heater Control Box Wiring Harness To Engine and Main Engine Harness)
13	505-1476	1	Elbow, 90 Deg (3/4")				
14	502-1192	1	Bushing, Reducer	31	800-0130	3	Screw, Cap – Hex Head (5/8-11 x 1")
15	130-4543	1	Tube, Coolant Heater	32	850-0070	3	Washer, Lock – Spring (5/8")
16	155-3021	1	Clamp, Coolant Heater	33	130-4549	1	Bracket, Coolant Heater
17	870-0550-09	2	Nut, Hex Flange (3/8-16)	34	800-0054	2	Screw, Cap – Hex Head (3/8-16 x 2")
18	319-2918	1	Bracket, Terminal Block	35	850-0103	2	Washer, Lock – Spring (3/8")
19	821-5004-02	2	Screw, Self-Locking – Hex Washer Head (3/8-16 x 3/4")				
20	821-5002-03	5	Screw, Self-Locking – Hex Washer Head (1/4-20 x 1/2")				
21	319-2815	1	Cover, Control				

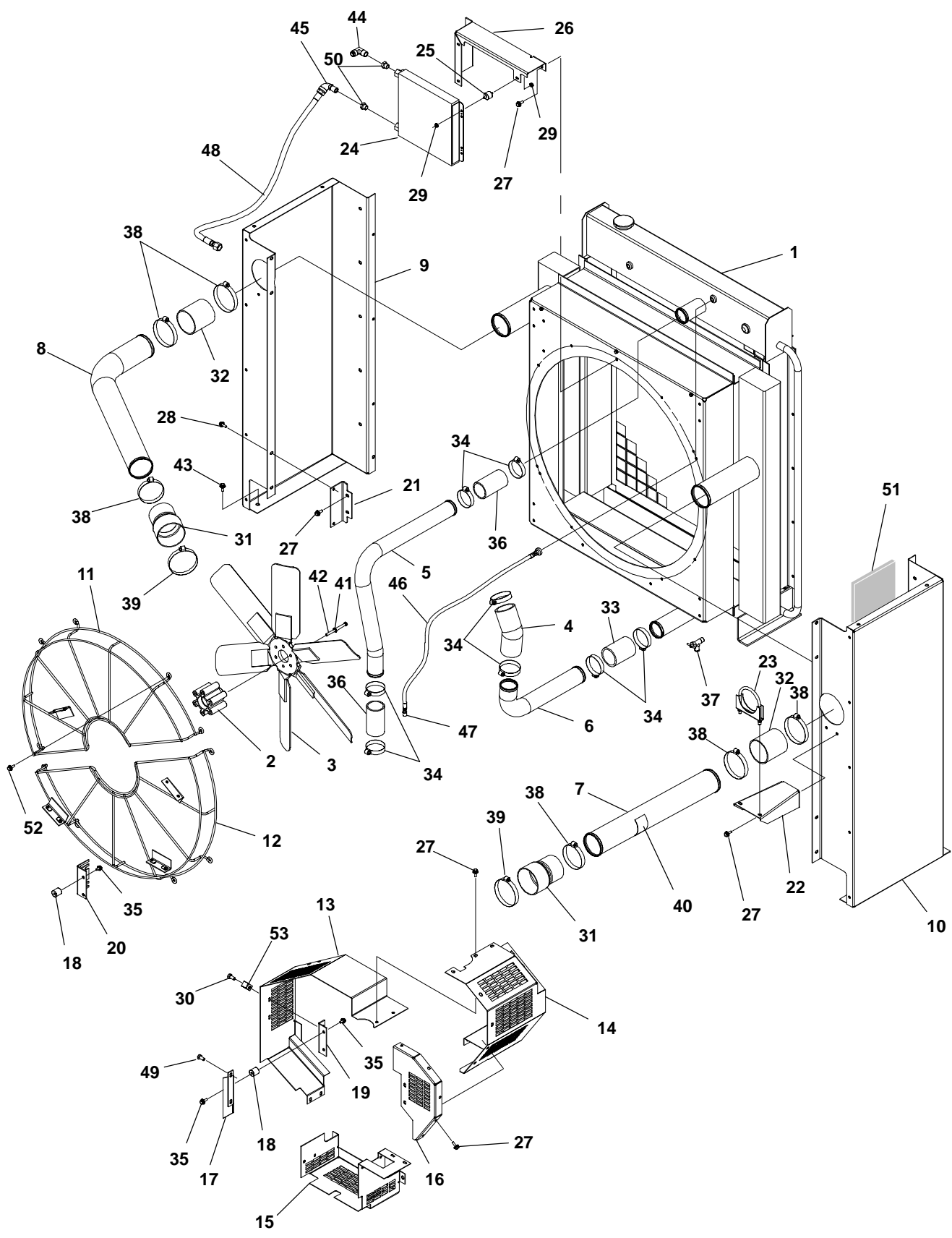
Coolant Heater Control



Coolant Heater Control

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-4552	1	Cover, Coolant Heater	11	323-1502	1	*Wedge, Receptacle (Used With J3)
2	338-3335-04	1	Harness, Wiring – AC – Coolant Heater (From Coolant Heater Bottom To Coolant Heater Control Box) (Includes Conduit Connectors) (23")	12	323-1504	1	*Connector, Plug (2 Pin) (P4)
3	331-0554	2	Connector, Conduit – 90 Deg (3/4")	13	323-1500	1	*Wedge, Plug (Used With P4)
4	331-0042	1	Connector, Wiring – DC – Romex (3/4")	14	323-1652	1	*Connector, Plug – 2-Way (2 Pin) (P11)
5	338-3385	1	Harness, Wiring – DC – Engine Heater (From Coolant Heater Control Box To Engine And Main Engine Harness) (Includes Parts Marked *)	15	323-1445	2	*Seal, Cable (Used With P11)
6	357-0030	1	*Rectifier (6 Amp) (Located at K11 end of harness)	16	517-0138-02	3	Plug, Hole (Fits 1-1/8" Hole)
7	323-1718	2	*Pin, Contact	17	319-2814	1	Box, Terminal
8	323-1491	3	*Pin, Contact	18	332-3440	1	Jumper, Terminal
9	323-1492	2	*Socket, Contact	19	307-2859	1	Relay, Power – 24VDC (K11)
10	323-1494	1	*Connector, Receptacle (3 Pin) (J3)	20	815-0464	4	Screw, Machine – Round Head – Cross Recessed W/IT – Thread Forming (#8-32 x 1.0)
				21	332-1469	1	Strip, Marker
				22	332-1468	1	Block, Terminal – 12 Place (TB1)
				23	331-0555	2	Nut, Connector Lock (3/4-14)
				24	331-0570	1	Connector, Conduit
				*–Parts Included in 338-3385 DC Engine Heater Wiring Harness			

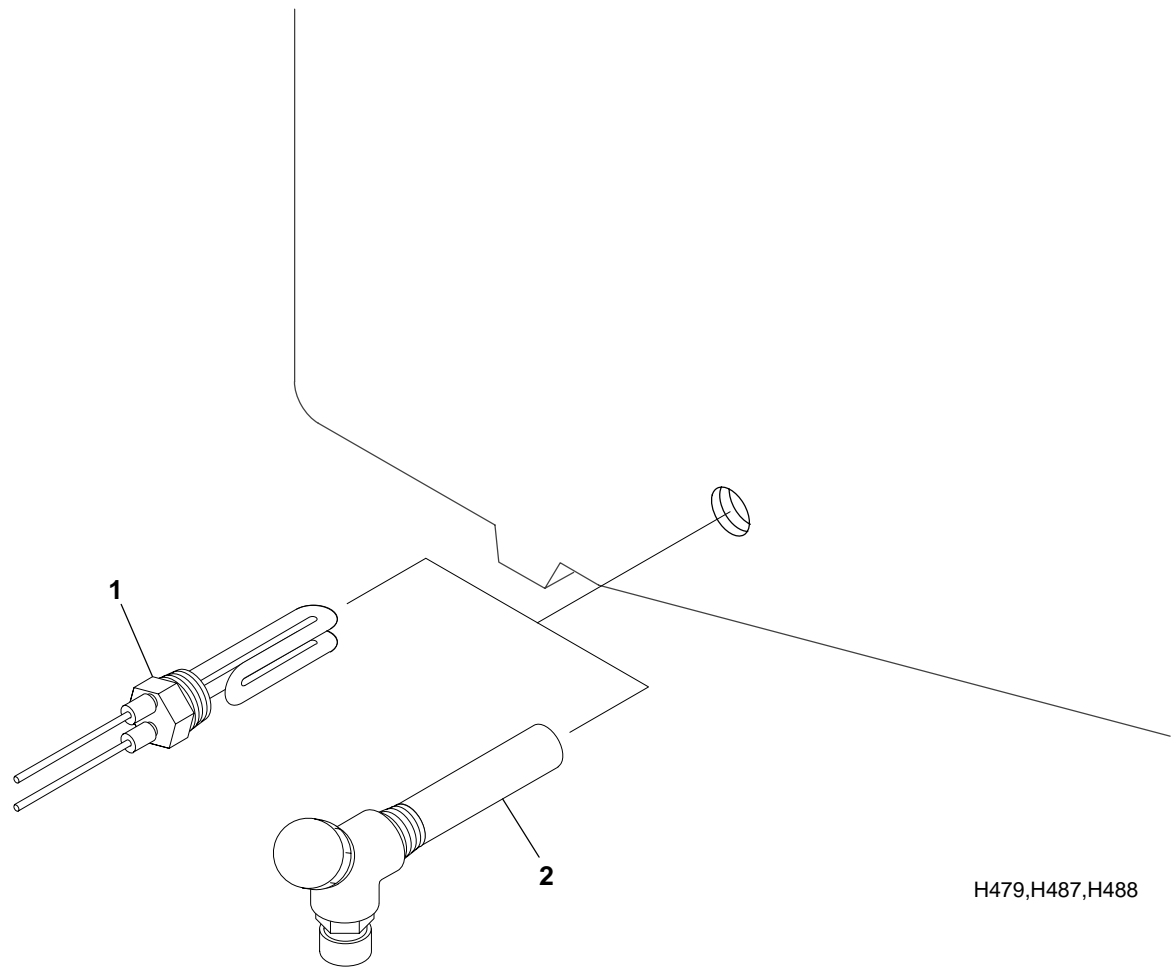
Radiator



Radiator

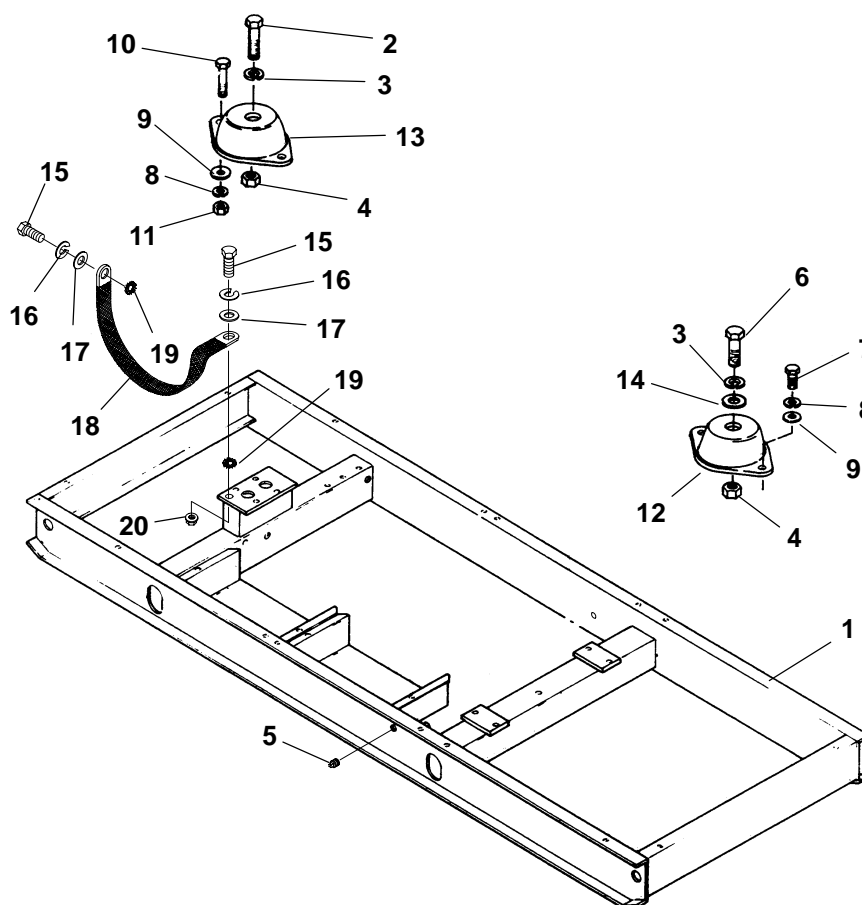
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-5444	1	Radiator (Includes Radiator Cap, Sight Glass and Overflow Hose)	28	821-6007-02	10	Screw, Hex Head – Stainless Steel (M8 x 1.25 x 20)
	130-5481	1	Cap, Radiator – 10 PSI	29	870-0212	6	Nut Hex (1/4-20)
	130-5482	1	Sight Glass	30	821-5002-04	8	Screw, Hex Head (1/4-20 x .63)
	503-0276	–	Hose, Overflow – Bulk (Order by the Foot – 5 Feet Required)	31	502-1292	2	Connect, Tube – Turbo
2	130-3931	1	Spacer, Fan	32	502-1384	2	Hose, Radiator
3	130-4534	1	Fan, Engine	33	503-1708	1	Hose, Radiator
4	503-1811	1	Elbow, Radiator – 30°	34	503-1872-04	8	Clamp, Hose
5	130-4378	1	Tube, Radiator – Inlet	35	821-5003-01	8	Screw, Hex Head (5/16-18 x .50)
6	130-5445-02	1	Tube, Radiator – Outlet	36	503-1379-02	2	Hose, Radiator
7	130-5447-01	1	Tube, Air – Outlet	37	504-0176	1	Valve, Oil Drain
8	130-5446-01	1	Tube, Air – Intake	38	503-1872-06	6	Clamp, Hose
9	130-5454-02	1	Guard, Radiator (Right Hand)	39	503-1872-07	2	Clamp, Hose
10	130-5455-02	1	Guard, Radiator (Left Hand)	40	098-7451	1	Label, Caution
11	130-3932-01	1	Guard, Fan (Right Hand)	41	526-0026	6	Washer, Flat (3/8)
12	130-3932-02	1	Guard, Fan (Left Hand)	42	800-0064	6	Screw, Cap – Hex Head (3/8-16 x 4.50)
13	130-5449-02	1	Guard, Belt (Right Hand)	43	821-5004-02	6	Screw, Cap (3/8-16 x .75)
14	130-5450-02	1	Guard, Belt (Left Hand)	44	502-1043-05	1	Elbow, Adapter – Male
15	130-5451-02	1	Guard, Belt (Bottom)	45	505-0120	1	Elbow, Street – 90° (3/8)
16	130-5452-02	1	Guard, Belt (Back)	46	501-0551-01	1	Line, Flexible – Fuel
17	130-4075	1	Bracket, Guard	47	505-0007	1	Bushing, Reducer (1/4 x 1/8)
18	402-0070	4	Dampener, Vibration	48	501-0216	1	Line, Flexible – Fuel
19	130-4074	1	Bracket, Belt Guard	49	800-2085	2	Screw, Cap – Hex Head (M10 x 1.5 x 20)
20	130-5456-02	1	Bracket, Guard	50	505-0019	2	Bushing, Reducer (1/2 x 3/8)
21	130-5457-02	4	Bracket, Guard – Radiator	51	128-0117	1	Insulation, Foam
22	130-5459-02	2	Bracket, Tube	52	821-6003-03	10	Screw, Hex Head (M8 x 1.25 x 20)
23	155-3480	2	Clamp, Muffler	53	518-0548-08	1	Clamp, Hose
24	130-5480	1	Cooler, Fuel				
25	402-0508	3	Isolator, Vibration				
26	130-5475-02	1	Bracket, Fuel Cooler				
27	821-6003-02	35	Screw, Hex Head (M8 x 1.25 x 20)				

Oil Pan Heater



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Heater, Oil (300 Watt)	2	333-0407-05	1	Heater, Oil (300 Watt, 480 Volt)
	333-0407-02	1	120 Volt				
	333-0407-04	1	240 Volt				

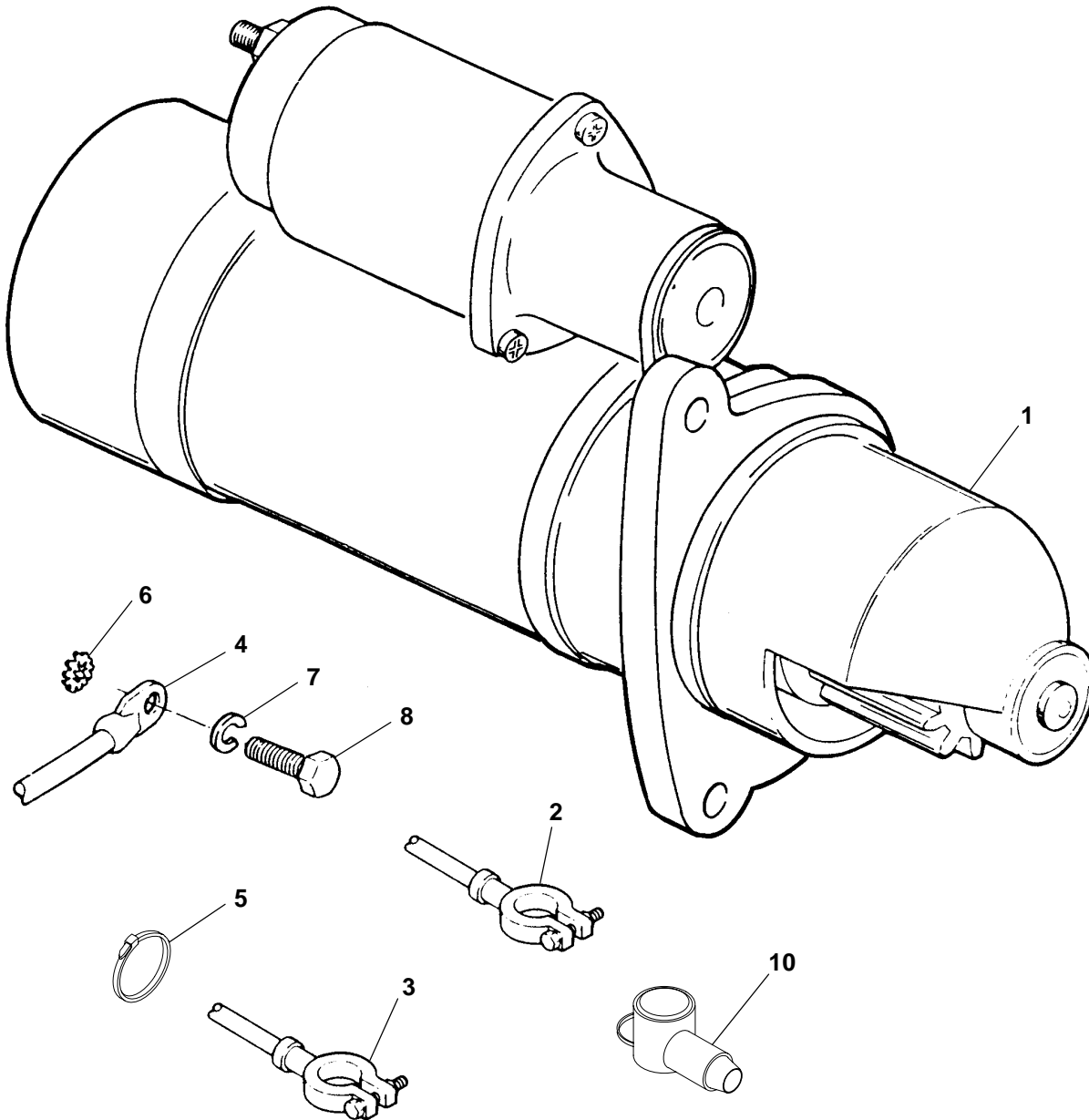
Skid



F154, F159

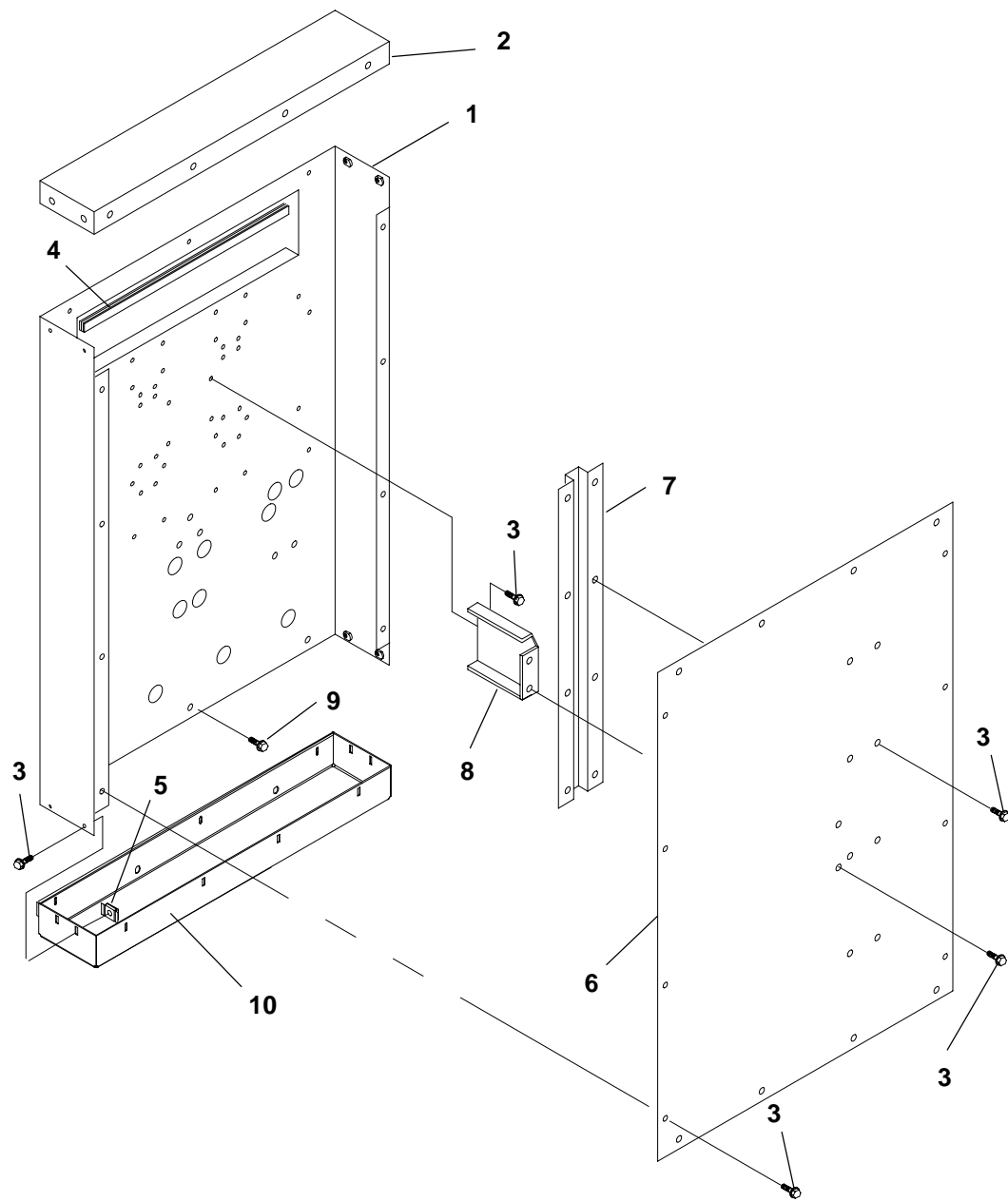
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	403-4530-02	1	Skid	12	402-0568	2	Cushion, Vibration – Generator End
2	800-0156	2	Screw, Cap – Hex Head (3/4-10 x 2-1/4")	13	402-0030	2	Cushion, Vibration – Engine End
3	850-0079	2	Washer, Lock – Spring (3/4")	14	526-0238	2	Washer, Flat (3/4")
4	862-0008	4	Nut, Hex (3/4-10)	15	800-2086	2	Screw, Cap – Hex Head (M10 x 25mm)
5	505-1379	1	Plug, Pipe (1/2")	16	850-2010	2	Washer, Lock – Spring (M10)
6	800-0155	2	Screw, Cap – Hex Head (3/4-10 x 2")	17	526-0030	2	Washer, Flat (3/8")
7	800-0090	4	Screw, Cap – Hex Head (1/2-13 x 1")	18	337-0090	1	Strap, Ground
8	850-0060	8	Washer, Lock – Spring (1/2")	19	856-0010	2	Washer, Lock – EIT (3/8")
9	526-0219	8	Washer, Flat (1/2")	20	870-2056	1	Nut, Self-Locking – Hex Head (M10)
10	800-0091	4	Screw, Cap – Hex Head (1/2-13 x 1-1/4")				
11	862-0016	4	Nut, Hex (1/2-13)				

Electric Starter



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	191-2087	1	Starter (24VDC)	7	850-2010	1	Washer, Lock – Spring (M10)
2	416-0964	2	Cable, Battery	8	800-2085	1	Screw, Cap – Hex Head (M10 x 20mm)
3	416-1076	1	Cable, Battery – Jumper	9	416-1019	1	Battery, Boot – Red (Not Illustrated)
4	416-0680	1	Cable, Battery – Starter to Ground	10	416-1084	1	Starter, Boot – Red
5	332-0941	2	Tie, Cable				
6	856-0010	1	Washer, Lock – W/EIT (3/8")				

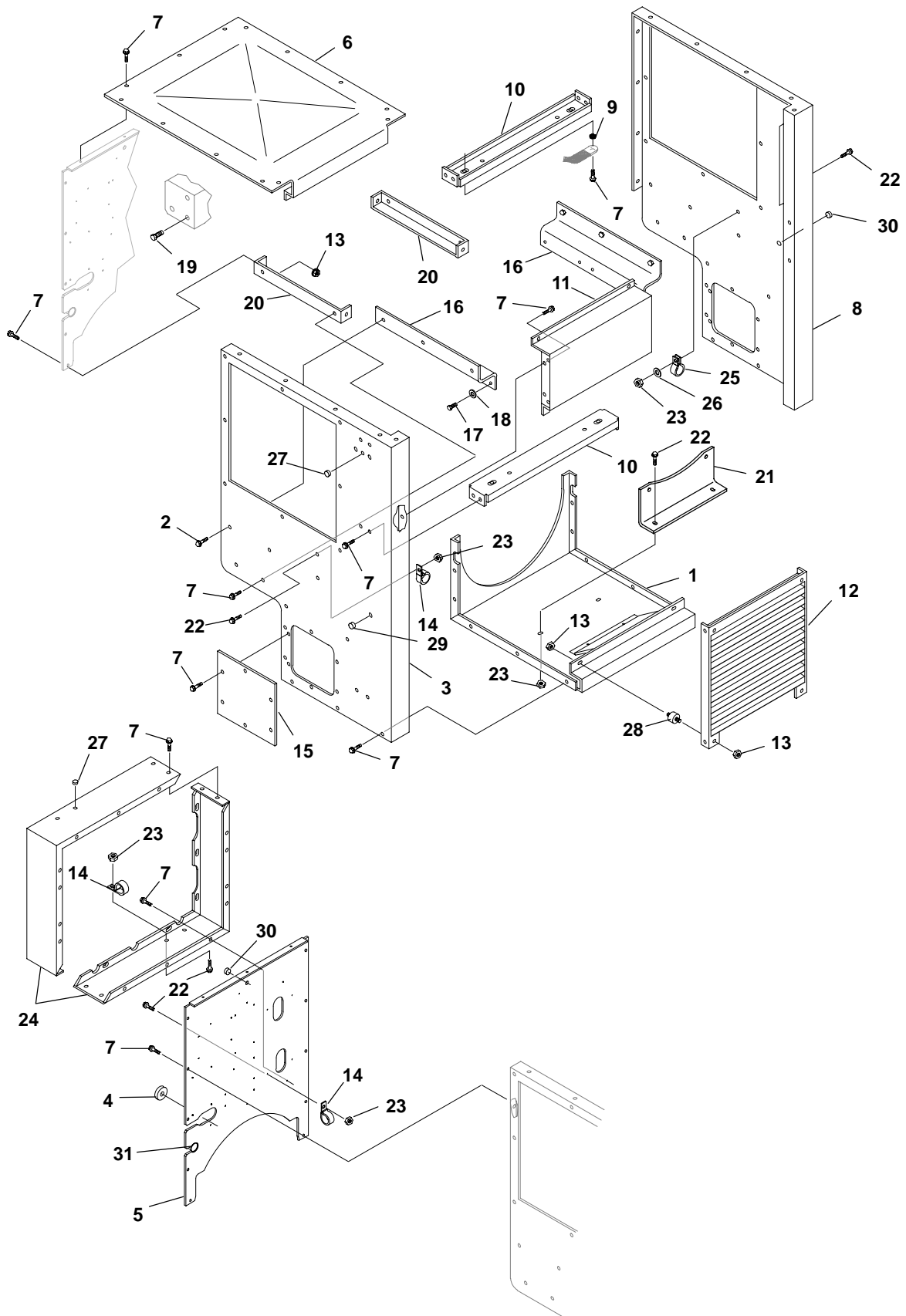
Entrance Box



K882

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3169	1	Box, Entrance	6	319-1916	1	Cover
2	319-1915	1	Panel (Top)	7	319-3284	1	Brace, Cover
3	821-6002-03	44	Screw, Self-Locking - Hex Washer Head (M6 x 16mm)	8	319-3251	1	Brace, Cover
4	508-1092	-	Edging - Bulk (Order By The Foot - 2 Feet Required)	9	821-2035	2	Screw, Self-Locking - Hex Washer Head (M6 x 25mm)
5	870-0504	16	Nut, Self-Retaining (M6)	10	319-3183	1	Panel (Bottom)

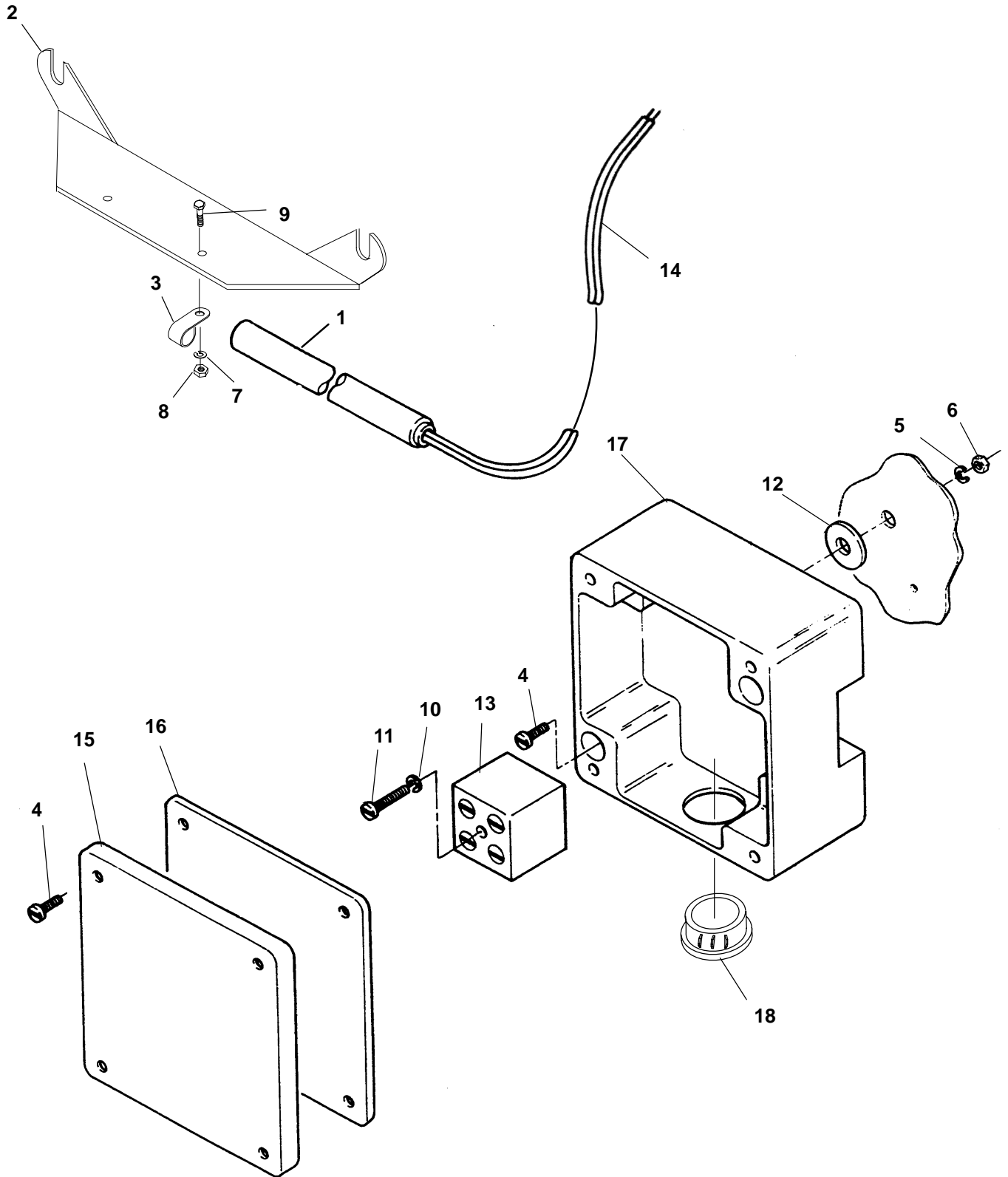
Control Housing



Control Housing

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3270-01	1	Panel – Bottom	17	800-2111	6	Screw, Cap – Hex Head (M12 x 25mm)
2	821-6004-01	6	Screw, Self-Locking – Hex Washer Head (M10 x 20mm)	18	850-2012	6	Washer, Lock – Spring (M12)
3	319-3287-01		Panel – Right Side	19	800-2114	1	Screw, Cap – Hex Head (M12 x 40mm)
4	508-1090	3	Grommet, Rubber (Fits 3-1/4" Hole)	20	319-3257	2	Panel, Support
5	319-4453-02		Panel – Front	21	319-1345	1	Bracket, Panel
6	301-9512	1	Cover, Top	22	821-6003-02	7	Screw, Self-Locking – Hex Washer Head (M8 x 1.25 x 20)
7	821-6002-03	69	Screw, Self-Locking – Hex Washer Head (M6 x 16mm)	23	870-2055	7	Nut, Locking – Hex Head (M8 1.25)
8	319-3287-02	1	Panel – Left Side	24	319-3278	2	Wrapper, Control Box
9	856-0006	2	Washer, Lock – W/EIT (1/4")	25	518-0548-24	1	Clamp, Retainer
10	319-3294	2	Support, Control Box	26	526-2100	1	Washer, Flat (M8)
11	319-2776	1	Panel – Rear	27	517-0131	3	Plug, Hole (Fits 3/8" Hole)
12	319-2768	1	Grille	28	402-0729	4	Isolator, Vibration
13	870-2054	8	Nut, Locking – Hex Flange Head (M6 x 1.0)	29	517-0136	2	Plug, Hole (Fits 3/4" Hole)
14	518-0548-02	3	Clamp, Hose	30	517-0135	1	Plug, Hole (Fits 5/8" Hole)
15	301-9629	2	Cover, Side – Lower	31	508-1162	1	Bushing, Split
16	319-3255	2	Bracket, Mounting				

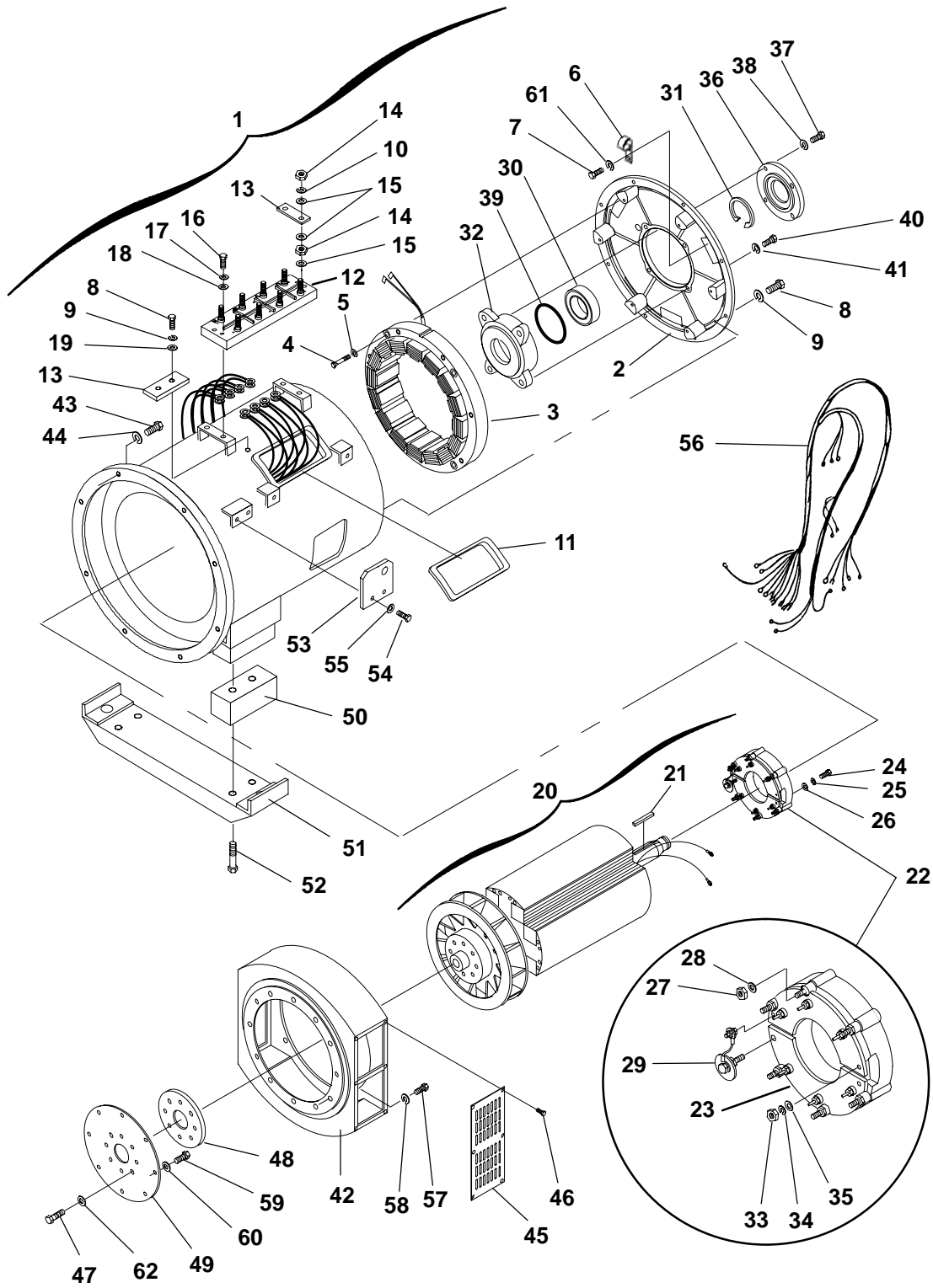
Generator Heater



Generator Heater

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Cartridge, Heater	10	850-2003	1	Washer, Lock – Spring (M3)
	333-0438-03	2	120 Volt	11	822-3047	1	Screw, Machine – Pan Head (M3 x 20mm)
	333-0438-04	2	240 Volt	12	508-0228	1	Grommet
2	232-3850	1	Bracket, Mounting – Heater	13	332-3023	1	Block, Terminal
3	332-3024-14	4	Clamp, Loop	14	898-1254-25	1	Sleeving – Heater Leads (59")
4	822-3075	6	Screw, Machine – Slotted Pan Head (M4 x 16mm)	15	330-0141-03	1	Cover, Box
5	850-2004	2	Washer, Lock – Spring (M4)	16	330-0141-04	1	Gasket, Cover
6	860-2005	2	Nut, Hex (M4)	17	330-0142	1	Box, Terminal
7	850-2005	2	Washer, Lock – Spring (M5)	18	517-0021	1	Plug, Dot Button
8	860-2006	2	Nut, Hex (M5)				
9	800-2008	2	Screw, Cap – Hex Head (M5 x 16mm)				

Generator



Generator

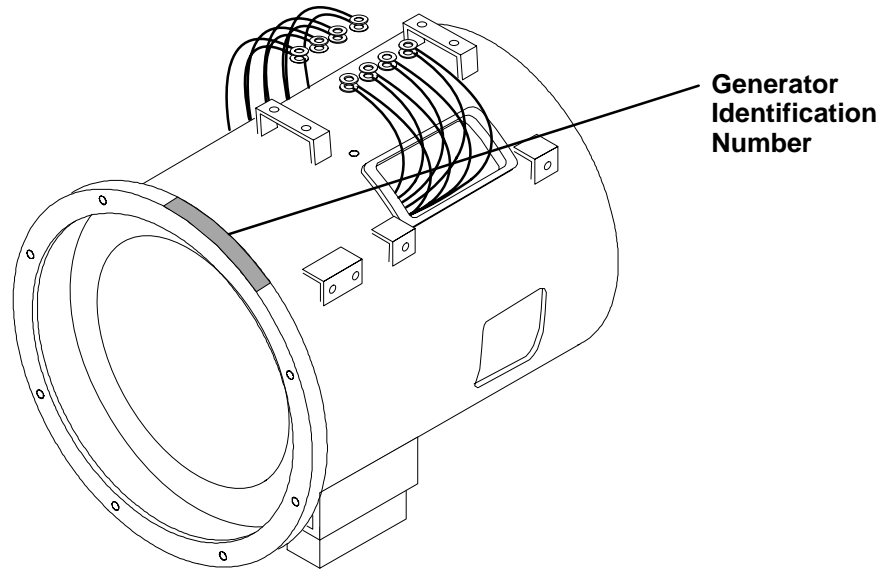
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	–	1	Stator Assembly, Generator – Complete (See Separate Page For Part Numbers) (Includes Parts Marked *)	34	850–2005	2	#Washer, Lock – Spring (M5)
2	211–0431	1	*Bell, End	35	526–2060	2	#Washer, Flat (M5)
3	220–4248	1	*Stator, Exciter	36	232–3981–01	1	#Cover, Bearing Housing
4	800–2066	6	*Screw, Cap – Hex Head (M8 x 65mm)	37	800–2087	4	#Screw, Cap – Hex Head (M10 x 30mm)
5	850–2008	6	*Washer, Lock – Spring (M8)	38	850–2010	4	#Washer, Lock – Spring (M10)
6	425–1799	1	*Clamp, Cable	39	509–0266–03	1	#O-Ring
7	800–2004	1	*Screw, Cap – Hex Head (M5 x 12mm)	40	800–2091	4	Screw, Cap – Hex Head (M10 x 50mm)
8	800–3017–39	9	*Screw, Cap – Hex Head	41	850–2010	4	Washer, Lock – Spring (M10)
9	850–0114–55	9	*Washer, Lock – Spring (M10)	42	231–0322	1	Adapter, Generator Screw
10	850–2012	8	*Washer, Lock – Spring (M12)	43	800–3017–56	6	Cap – Hex Head (M12 x 40mm)
11	508–0306	2	*Grommet		725–1103	2	Socket Head (M12 x 40mm) (Bottom Holes)
12	232–3482	1	*Panel, Terminal	44	850–0114–56	8	Washer, Lock – Spring (M12)
13	332–3009	4	*Link, Terminal	45	234–0889	2	Guard, Fan
14	860–2010	16	*Nut, Hex (M12)	46	821–6001–02	12	Screw, Self-Locking – Hex Washer Head (M5 x 12mm)
15	526–2140	24	*Washer, Flat (M12)	47	720–1146	8	Screw, Cap – Hex Head (M20 x 60mm)
16	800–2061	4	*Screw, Cap – Hex Head (M8 x 40mm)	48	232–3520–01	1	Spacer, Drive Disc (3/8" Thk)
17	850–2008	4	*Washer, Lock – Spring (M8)	49	232–3522	4	Disc, Drive
18	526–2100	4	*Washer, Flat (M8)	50	232–3524	2	Spacer, Generator Foot
19	526–2120	1	*Washer, Flat (M10)	51	232–3966	1	Foot, Generator
20	–	1	Rotor Assembly, Generator – Complete (See Separate Page For Part Numbers) (Includes Parts Marked #)	52	800–2244	4	Screw, Cap – Hex Head (M24 x 80mm)
21	515–0300–01	1	#Key	53	232–3523	2	Bracket, Generator Lifting
22	201–3460	1	#Rotor Assembly, Exciter (Includes Parts Marked +)	54	800–3017–55	4	Screw, Cap – Hex Head (M12 x 35mm)
23	357–0093	1	#+ Rectifier Assembly (Includes Diodes and Varistor)	55	850–0114–56	4	Washer, Lock – Spring (M12)
24	800–2042	4	#+ Screw, Cap – Hex Head (M6 x 60mm)	56	338–3348	1	Harness, Wiring
25	850–2006	4	#+ Washer, Lock – Spring (M6)	57	800–0074	12	Screw, Cap – Hex Head (7/16–14 x 1–3/4")
26	526–2080	4	#+ Washer, Flat (M6)	58	850–0055	12	Washer, Lock – Spring (7/16")
27	870–2064–02	6	#+ Nut, Hex (M5)	59	805–0032	8	Bolt, Place (1/2–13 x 1–1/4")
28	526–2060	6	#+ Washer, Flat (M5)	60	526–0035	8	Washer, Flat (1/2")
29	249–0797	1	Kit, Diode (Includes Varistor And All Diodes)	61	850–2005	1	*Washer, Lock – Spring (M5)
30	510–0168	1	#Bearing, Ball	62	526–0450	2	Washer, Flat
31	518–0018	1	#Ring, Retaining				
32	232–3518–01	1	#Housing, Bearing				
33	860–2006	2	#Nut, Hex (M5)				

* – Parts Included In Generator Stator Assemblies

– Parts Included In Generator Rotor Assemblies

+ – Parts Included In Exciter Rotor Assemblies

Generator Rotor and Stator Part Numbers

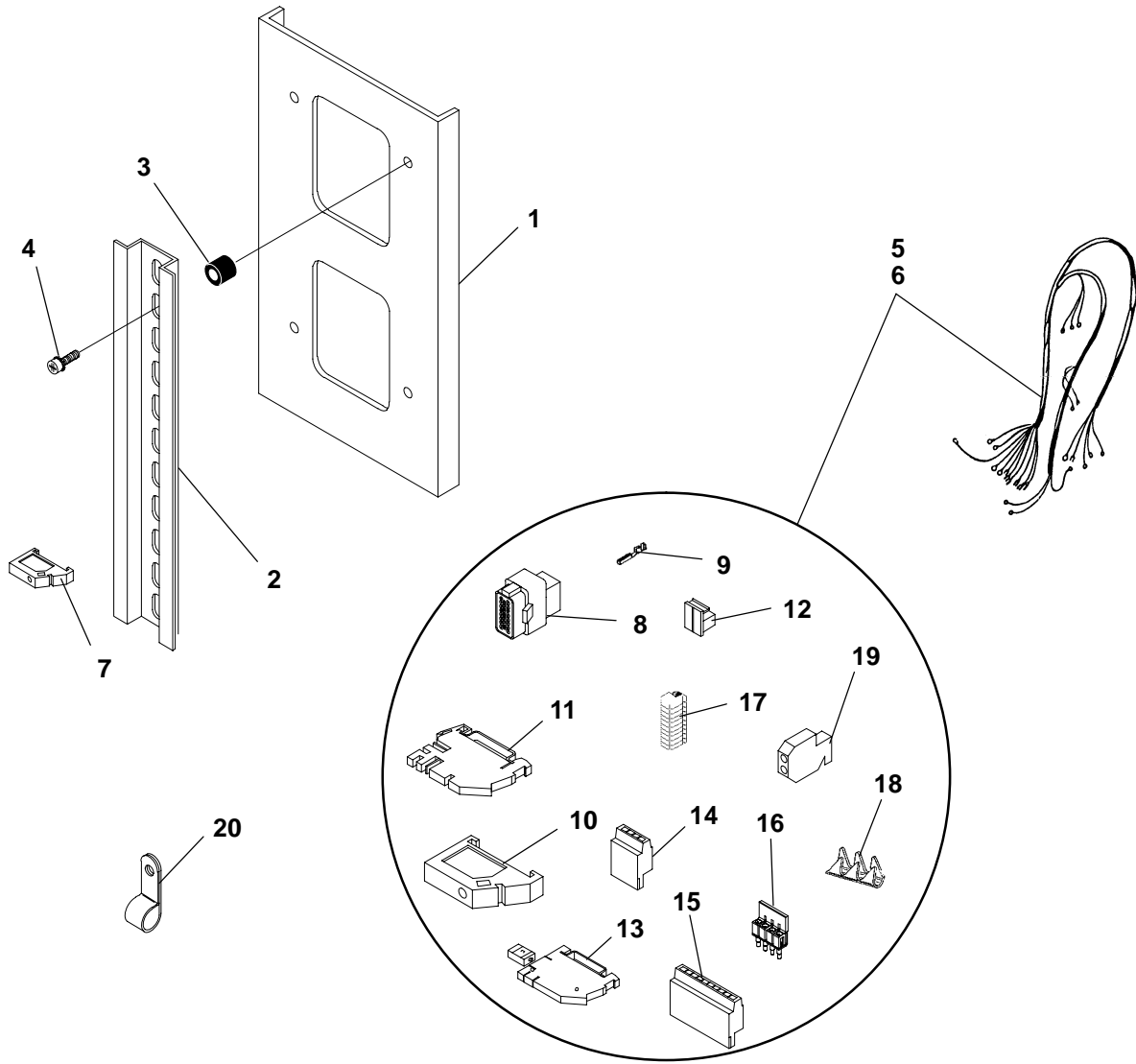


Service replacement part numbers for the main generator stator and rotor can be determined by locating the Cummins Power Generation 249-XXXX-XX generator identification number. This number is stamped on the engine end of the main stator adapter ring in the area shown in the above illustration. Find the corresponding number in the chart below for the stator and rotor replacement part numbers and also to determine the generator model number. For COMPLETE generator replacement use the 249-XXXX-XX Cummins Power Generation identification number.

Component parts that are included with the main stator and rotor are listed on the “Generator” pages of this catalog.

Cummins Power Generation Identification Number	Generator Model	Stator Assembly Part Number	Rotor Assembly Part Number
249-5080-02	HC4	220-4468-01	201-3459-01
249-5080-03	HC4	220-4468-02	201-3459-02
249-5080-04	HC4	220-4468-03	201-3459-03
249-5080-05	HC4	220-4468-04	201-3459-04
249-5081-02	HC4	220-4468-07	201-3459-01
249-5081-03	HC4	220-4468-08	201-3459-02
249-5081-04	HC4	220-4468-09	201-3459-03
249-5081-05	HC4	220-4468-10	201-3459-04

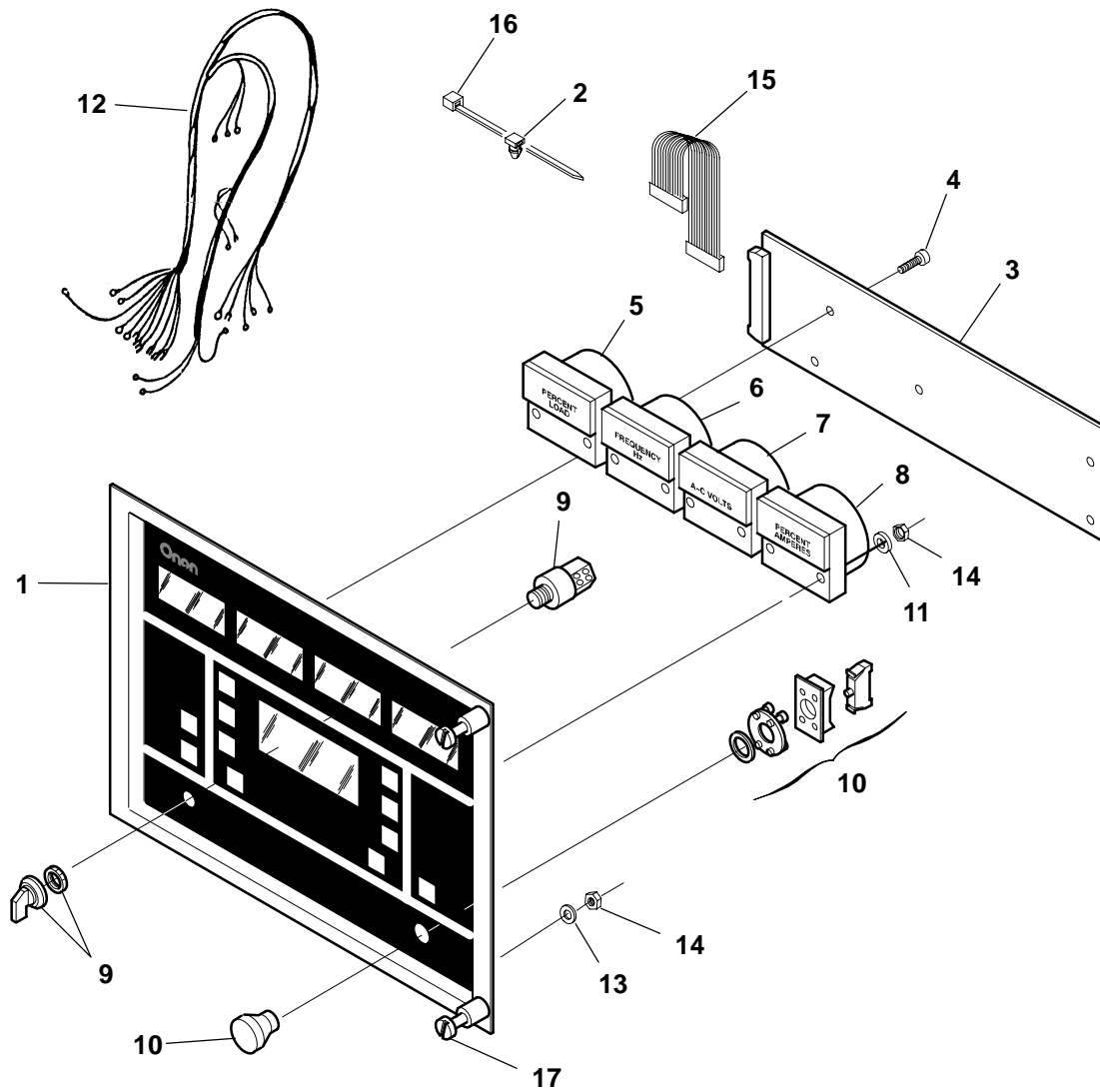
Rail Mount



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-2247	1	Mount, Rail – Control Box	11	332-3444	22	* Block, Terminal
2	332-2879-05	2	Rail, Terminal	12	332-3446	11	* Cover, Terminal
3	402-0510	4	Isolator, Vibration	13			* Bracket, Terminal Block
4	815-0839	4	Screw, Pan Head – Cross Recessed – W/ET (10-32 x 3/8")		332-3448-01	4	With Pin
					332-3448-02	4	Without Pin
5	338-4019	1	Harness, Wiring – Interconnect – Paralleling (Includes Parts Marked *)	14	332-3447-10	3	* Plug, Terminal Block (4 Place)
6	338-4023	1	Harness, Wiring – Interconnect – Non-Paralleling (Includes Parts Marked *)	15	332-3447-13	1	* Plug, Terminal Block (10 Place)
7	332-2878	4	Bracket, End – Terminal	16	332-3762-02	3	* Jumper, Terminal (4 Place)
8			* Connector, Plug (23 Pin)	17	332-3125-02	4	* Block, Terminal (10 Place)
	323-1605-01	1	Black (P1)	18	332-3491-01 A/R		* Terminal, Wire Pin
	323-1605-03	2	Gray (P2, P8)	19	332-3126-01	1	* Plate, End
	323-1605-04	1	Blue (P3)	20	518-0548-24	1	Clamp, Hose
9	323-1614-01 A/R		* Socket (P1, P2, P3, P8)				
10	332-2878	8	* Bracket, End – Terminal				

* – Parts Included in 338-4019 and 338-4023 Wiring Harness

Control Door



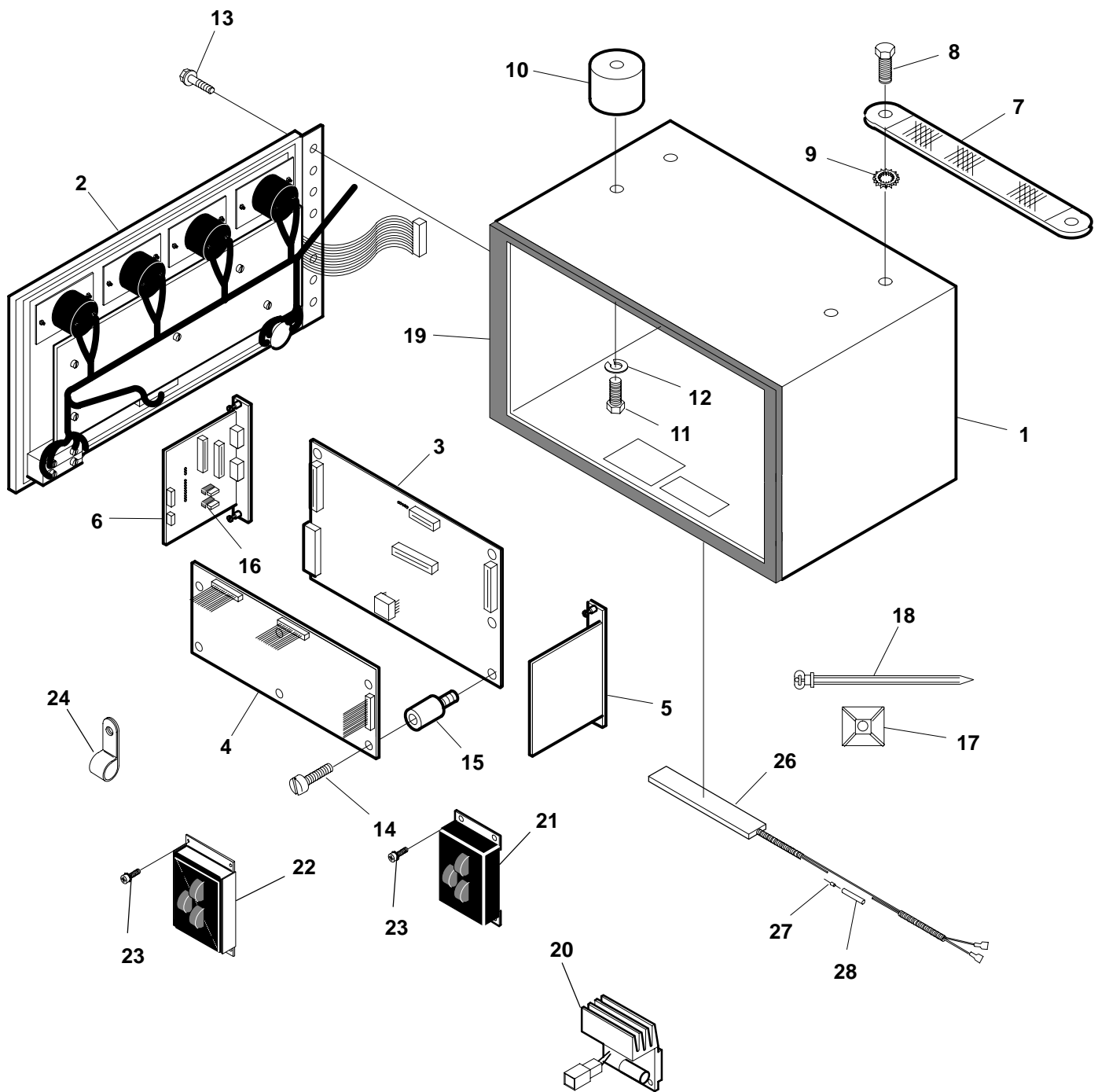
300-4311
300-4431

Control Door

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Door Assembly (Includes Membrane, Display Window and Parts Marked *)	9	308-0998	1	Switch, Selector – Run/Off/Auto (Knob Operated Switch) (S12)
			English		308-1045	1	Switch, Selector (Key Operated) (Includes 2 Keys) (Converts 308-0998 Knob Operated Selector Switch To A Key Operated Selector Switch) (Not Illustrated)
	300-4608-01	1	Single Set				
	300-4608-02	1	Paralleling Sets				
			Spanish				
	300-4610-01	1	Single Set				
	300-4610-02	1	Paralleling Sets				
2	332-3262	4	Mount, Tie – Cable				
3			Board, Printed Circuit – Display (A35)		308-1046	2	Key, Replacement (Not Illustrated)
	300-4481	1	Single Set	10	308-0999	1	Switch, Pushbutton – Emergency Stop (S13)
	300-4286	1	Paralleling Sets				
4	815-0550	5	Screw, Machine – Pan Head – Cross Recessed W/ET (#6-32 x 3/8")	11	526-0257	8	Washer, Flat (#4)
				12	338-2937	1	Harness, Wiring – Control Door (Includes Selector Switch and Emergency Stop Switch)
5	302-2012	1	Wattmeter (0-125 %) (M24)				
6	302-2010	1	Meter, Frequency (45-65 Hz) (M23)	13	526-0417	2	* Washer, Flat (#4)
				14	870-1220	10	* Nut, Hex – W/ET (#4-40)
7			Voltmeter, AC (M21)	15	338-2934	1	Cable, Ribbon (10-1/2") (A32 to A35)
	302-2009-01	1	0-300/0-600 Volt				
	302-2009-02	1	0-750 Volt	16	332-1445	4	Tie, Cable
	302-2009-03	1	0-5250 Volt	17	406-0761-03	2	* Fastener, Door
	302-2009-04	1	0-15 kV				
8	302-2011	1	Ammeter (0-125 %) (M22)				

* – Parts Included in Door Assembly

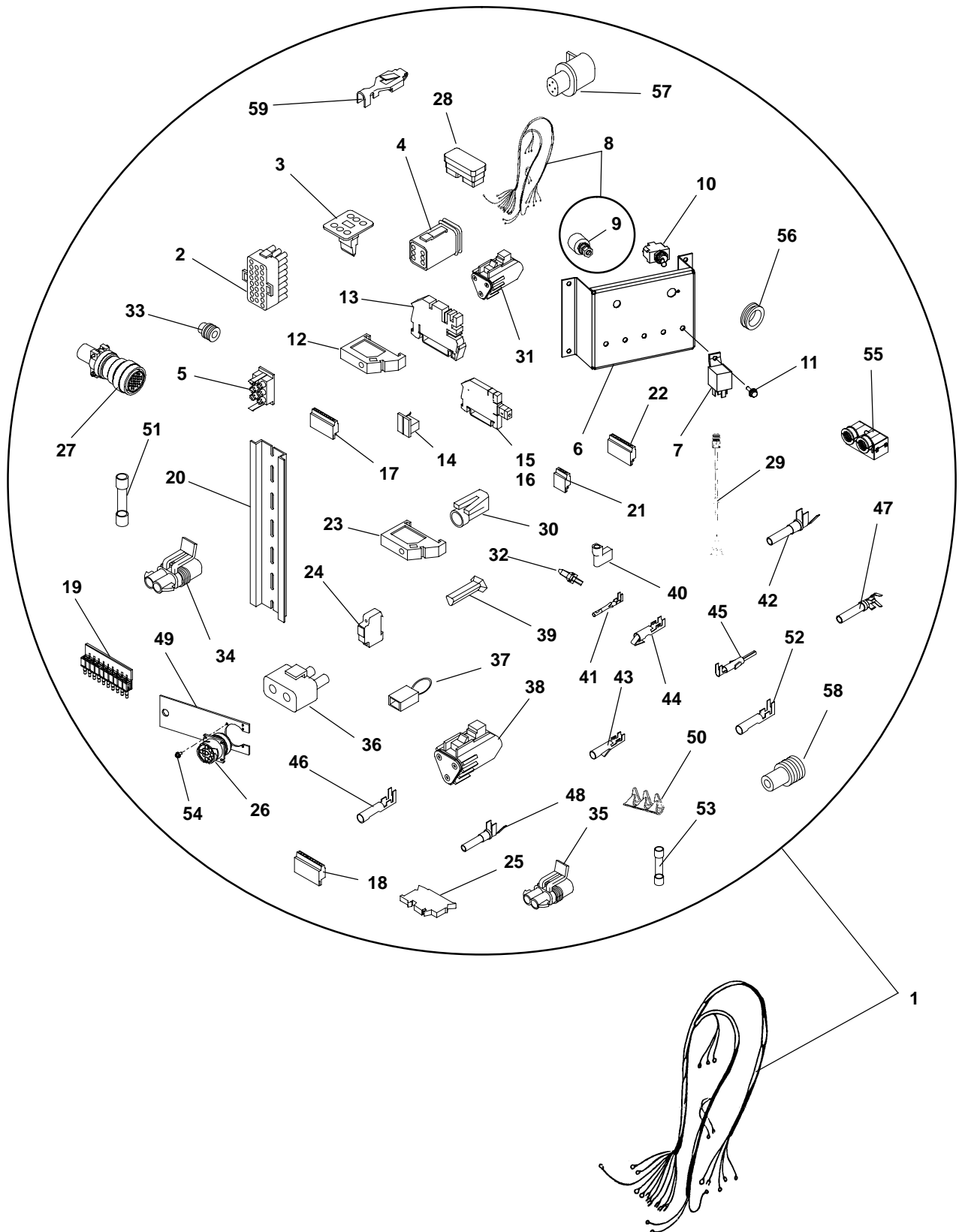
Control Box



Control Box

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-1687	1	Box Assembly – Control (Includes Gasket)	15	332-3235	6	Standoff, Board – PC (#6-32 IT x #6-32 ET x 3/4")
2			Door Assembly – Control (See Separate Page For Components)	16	321-0307-03	2	Fuse, 5 Amp, 32V (F1, F3)
3	300-4079	1	Board, Printed Circuit – Digital (A32)	17	332-2420	1	Mount, Tie – Cable (Quantity Used As Required) (Door Harness)
4			Board, Printed Circuit – Analog (A33)	18	332-0942	1	Tie, Cable (Quantity Used As Required) (Door Harness)
	300-4080-01	1	Single Set	19	895-0359	1	Gasket, Door
	300-4080-02	1	Parallel Sets	20	300-4306	1	Board, Printed Circuit – Voltage Regulator
5			Board, Printed Circuit – Customer Interface (A34)	21			Board, Printed Circuit – PC/CT 120 Volt
	300-4462	1	Single Set		300-4308-01	1	346 Volt
	300-4462-01	1	Parallel Sets	22	300-4308-03	1	Bus, Power Transformer (A39)
6	300-4083	1	Board, Printed Circuit – Engine		300-4309-01	1	0-300V
7	337-0049	2	Strap, Bond		300-4309-02	1	301-480V
8	800-0003	2	Screw, Cap – Hex Head (1/4-20 x 1/2")		300-4309-03	1	600V
9	856-0006	2	Washer, Lock – EIT (1/4")	23	821-6001-03	16	Screw, Hex Head (M5 x 0.8 x 16)
10	402-0527	4	Isolator, Vibration	24	332-2634	2	Clamp, J
11	800-0024	4	Screw, Cap – Hex Head (5/16-18 x 1/2")	25	425-1799	1	Clamp, Cable (Not Illustrated)
12	850-0045	4	Washer, Lock (5/16")	26			Heater, Control (Includes Rectifier and Splices)
13	821-0004	4	Screw, Self-Locking – Hex Washer Head (#10-32 x 5/16")		300-4515-01	1	120 Volt
					300-4515-02	1	240 Volt
14	815-0549	6	Screw, Machine – Pan Head – Cross Recessed W/ET (#6-32 x 1/4")	27	357-0114	1	Rectifier, Power (3 Amp)
				28	332-1789	2	Splice, Window (18 GA)

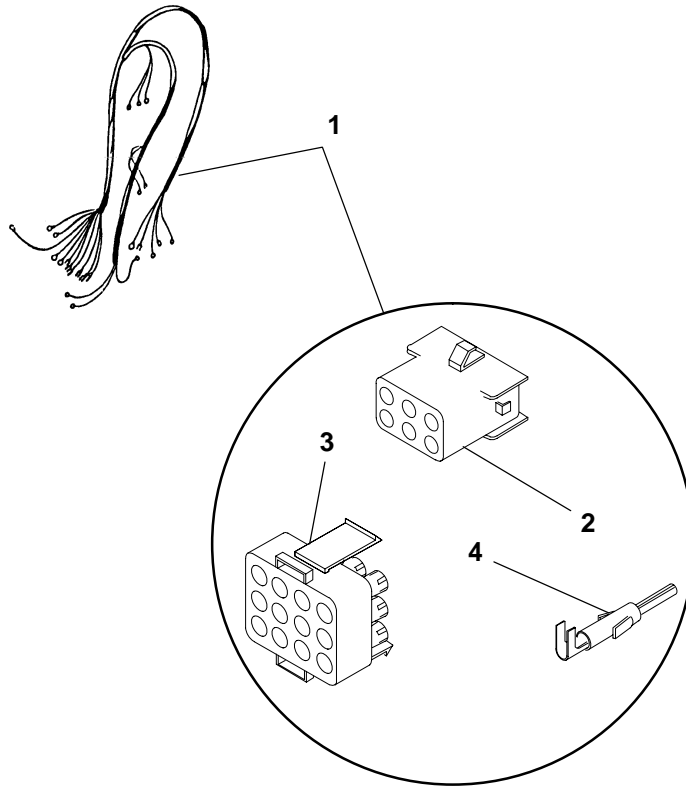
Wiring Harness Engine to Control



Harness Wiring Engine to Control

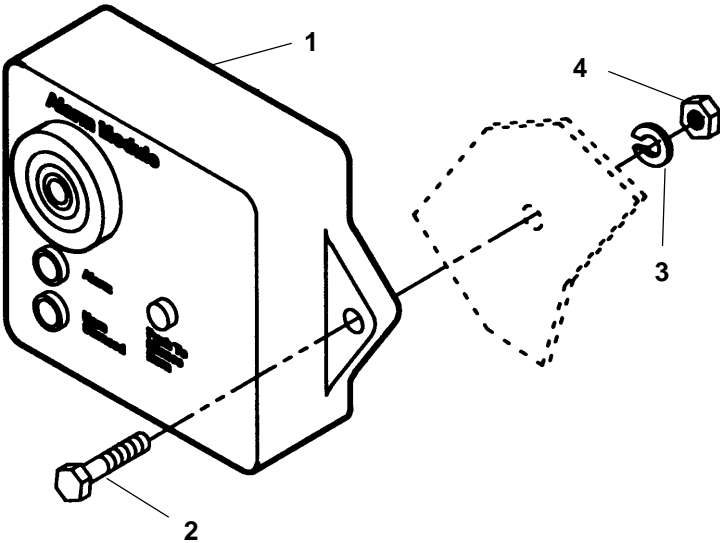
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-4018	1	Harness, Wiring – Engine to Control (Includes the Following Parts)	27	323-1918	1	Connector – 31 Pin
2			Plug, Connector (23 Pin)	28	323-1919	1	Connector – 50 Pin
	323-1605-02	1	Natural (P4)	29	338-2592-03	1	Cable, Magnetic Pickup (P12)
	323-1605-03	1	Gray (P5)	30	323-1666	1	Connector, Socket (E1)
3	323-1624	1	Wedge, Plug (6 Pin) (P7)	31	323-1494	1	Connector, Receptacle – 3 Pin
4	323-1623	1	Plug (6 Pin) (P7)	32	323-1502	1	Wedge, Receptacle – 3 Pin
5	323-1643-01	1	Housing, Plug and Cap	33	323-1445	3	Seal, Cable
6	319-4418-02	1	Bracket, Relay	34	323-1540	2	Connector, Socket (E2, E4)
7	307-2817-02	5	Relay	35	323-1652	1	Connector, 2-Way
8	338-4024	1	Harness, Wiring – Includes Potentiometer	36	323-1637	1	Connector, Socket (E-6)
9	151-0402	1	Potentiometer	37	338-3285	1	Harness, Jumper (E-6)
10	308-1107	1	Switch, Toggle – Locking Lever	38	323-1493	1	Plug – 3 Pin (P3)
11	821-6001-03	5	Screw, Hex Head (M5 x 0.8 x 16)	39	323-1503	1	Wedge – 3 Pin (P3)
12	332-2878	4	End, Bracket – Terminal	40	332-2571	1	Terminal, Receptacle (S4)
13	332-3444	A/R	Block, Terminal	41	323-1614-01	31	Socket, Contact (P4, P5)
14	332-3446	A/R	Cover, Terminal	42	323-1492	8	Socket, Contact (P3, P7)
15	332-3448-01	2	Bracket, Terminal Block (With Pin)	43	323-1667	3	Socket, Contact (E1)
16	332-3448-02	2	Bracket, Terminal Block (Without Pin)	44	332-3096-01	4	Socket, Contact (E2, E4)
17	332-3447-05	2	Plug, Terminal Block	45	323-1718	2	Pin, Contact
18	332-3447-13	2	Plug, Terminal Block	46	323-1752	25	Socket, Contact
19	332-3762-03	2	Jumper, Terminal – 10 Place	47	323-1921	6	Socket, Contact
20	332-2879-05	1	Rail, Terminal	48	323-1491	3	Pin, Contact
21	332-3447-02	3	Plug, Terminal Block – 4 Place	49	319-4439	1	Bracket, Connector
22	332-3447-05	1	Plug, Terminal Block – 10 Place	50	332-3491-01	54	Pin, Contact (TB1, TB2, TB3)
23	332-2878	3	End, Bracket – Terminal	51	321-0372-05	5	Fuse – 10 Amp
24	321-0344	2	Block, Fuse	52	323-1444	2	Socket, Contact (E6)
25	321-0373	5	Block, Fuse	53	321-0363-31	2	Fuse – 20 Amp
26	323-1920	1	Connector – 9 Pin	54	815-0920	4	Screw, Cap – Hex Head – Brass (5/16-18 x 1.25)
				55	323-1924	A/R	Connector, Housing (50 Pin)
				56	508-1090	1	Grommet
				57	323-1765	1	Connector, Housing (S7)
				58	323-1708	1	Seal (S7)
				59	323-1709	3	Socket, Contact (S7)

AC Wiring Harness



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-4002	1	Harness, Wiring (Includes the Following Parts)	2	323-1644-03	1	Housing, Plug and Cap
2	323-1643-01	1	Housing, Plug and Cap	3	323-1648	15	Socket, Contact

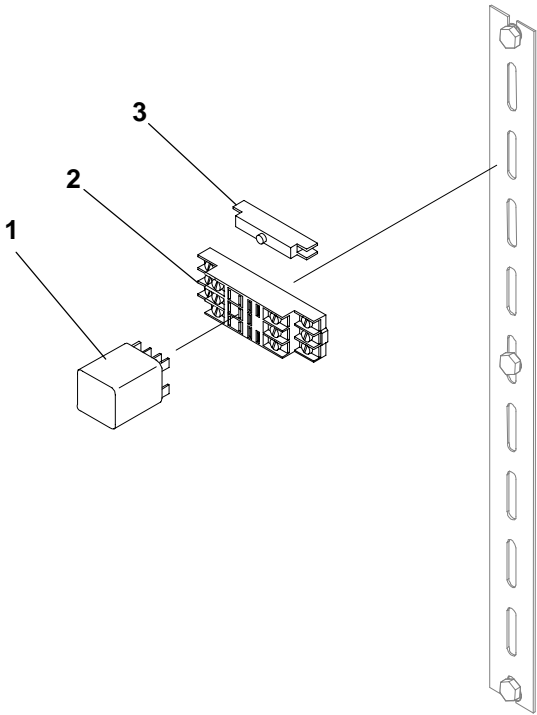
Audible Alarm Module



KA08

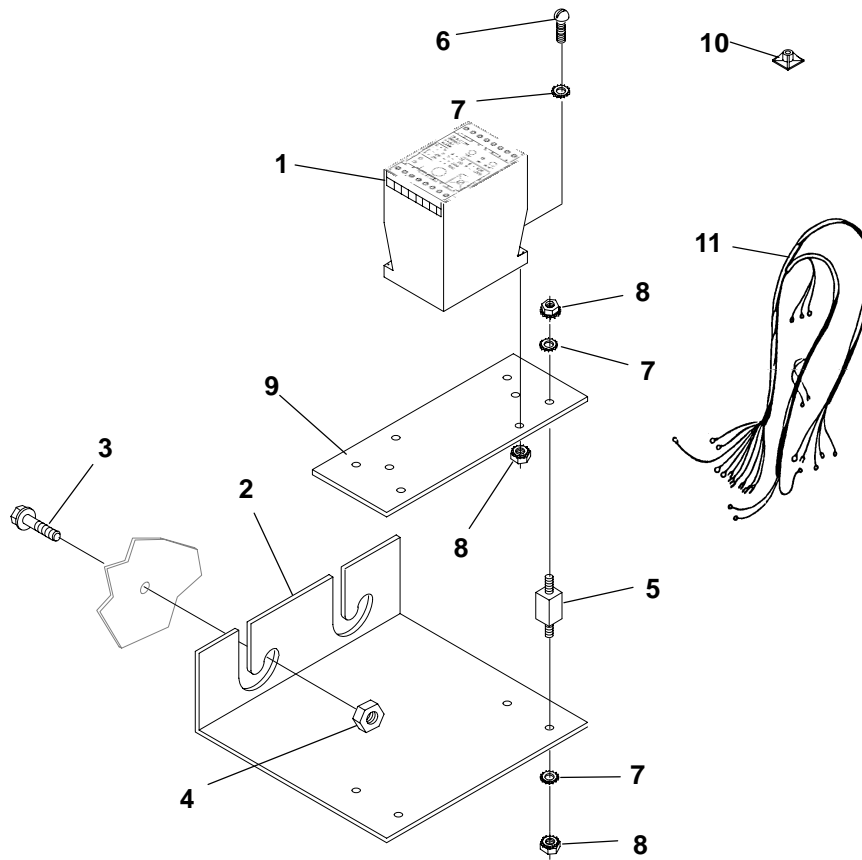
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-3998-01	1	Module, Audible Alarm (DS2)	3	850-0040	2	Washer, Lock – Spring (1/4")
2	800-0006	2	Screw, Cap – Hex Head (1/4-20 x 7/8")	4	862-0001	2	Nut, Hex (1/4-20)

Customer Relay



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Relay	2			Socket, Relay
	307-1056-01	1	Alarm Relay		323-1410-01	1	Alarm Relay
	307-1056-01	3	Run Relays		323-1410-01	3	Run Relays
				3	323-1411-01	1	Clip, Socket Mounting

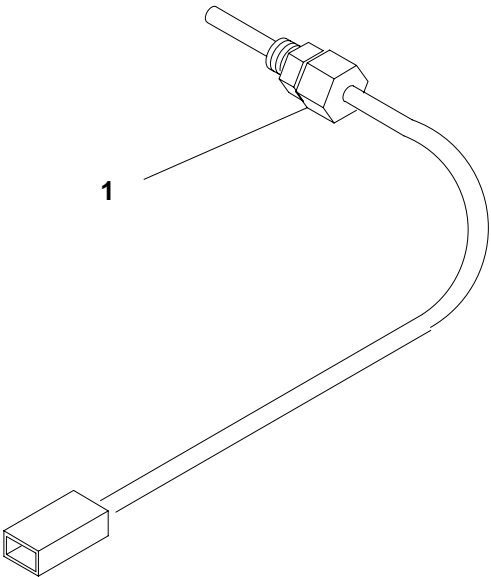
Ground Fault Relay



H550

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	307-2843	1	Relay (GFA)	6	812-0081	2	Screw, Machine – Round Head (#8-32 x 5/8")
2	301-6987	1	Bracket, Mounting	7	853-0005	8	Washer, Lock – ET (#8)
3	821-0017	2	Screw, Self-Locking – Hex Washer Head (5/16-18 x 1/2")	8	870-0221	10	Nut, Hex – W/ET (#8-32)
4	870-0257	2	Nut, Hex – Self-Locking (5/16-18)	9	319-0030	1	Plate, Mounting
5	402-0354	4	Mount, Shock	10	332-2420	2	Mount, Cable Tie
				11	338-3232	1	Harness, Wiring

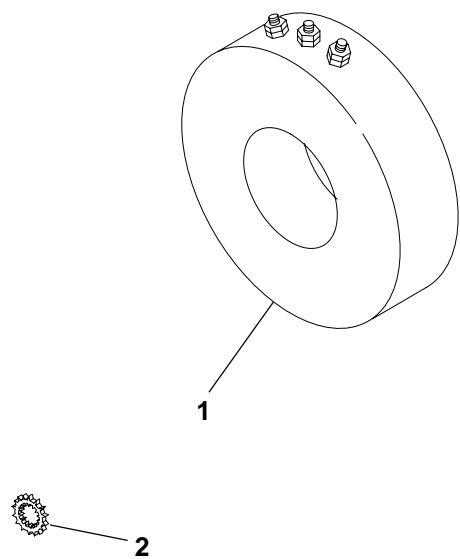
Pyrometer



H244

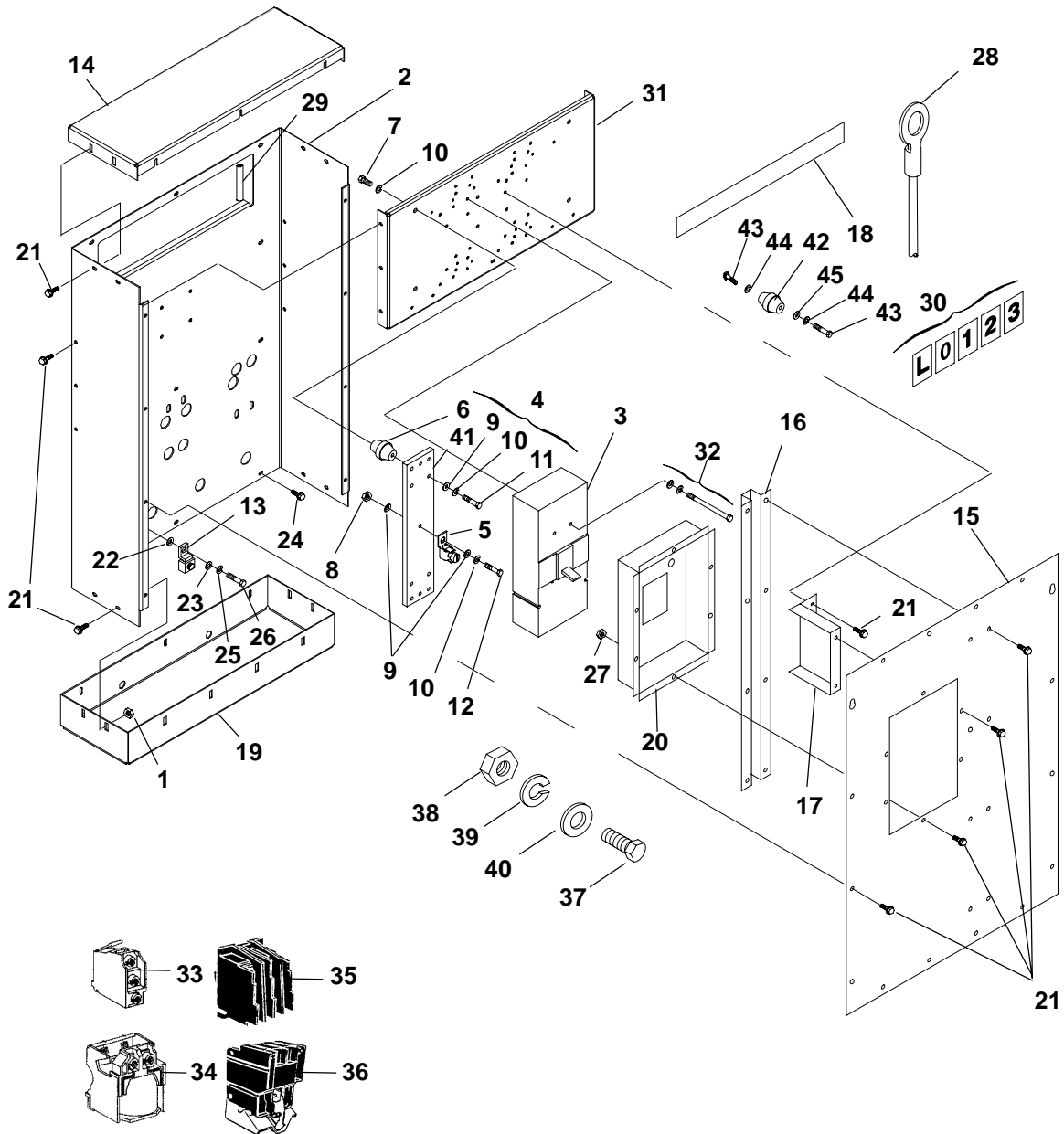
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	193-0446-01	1	Pyrometer (12") (M26)				

Current Transformer



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Transformer, Current	2	856-0008	2	Washer, Lock – EIT (5/16")
	302-2057-15	3	(Ratio 552/1, 1104/1)				
	302-2057-16	3	(Ratio 604/1, 1208/1)				
	302-2057-18	3	(Ratio 656/1, 1312/1)				
	302-2057-21	3	(Ratio 789/1, 1578/1)				
	302-2057-23	3	(Ratio 867/1, 1734/1)				
	302-2057-24	3	(Ratio 946/1, 1892/1)				

Circuit Breaker and Disconnect Switch **UL Listed, IEC Conformity**



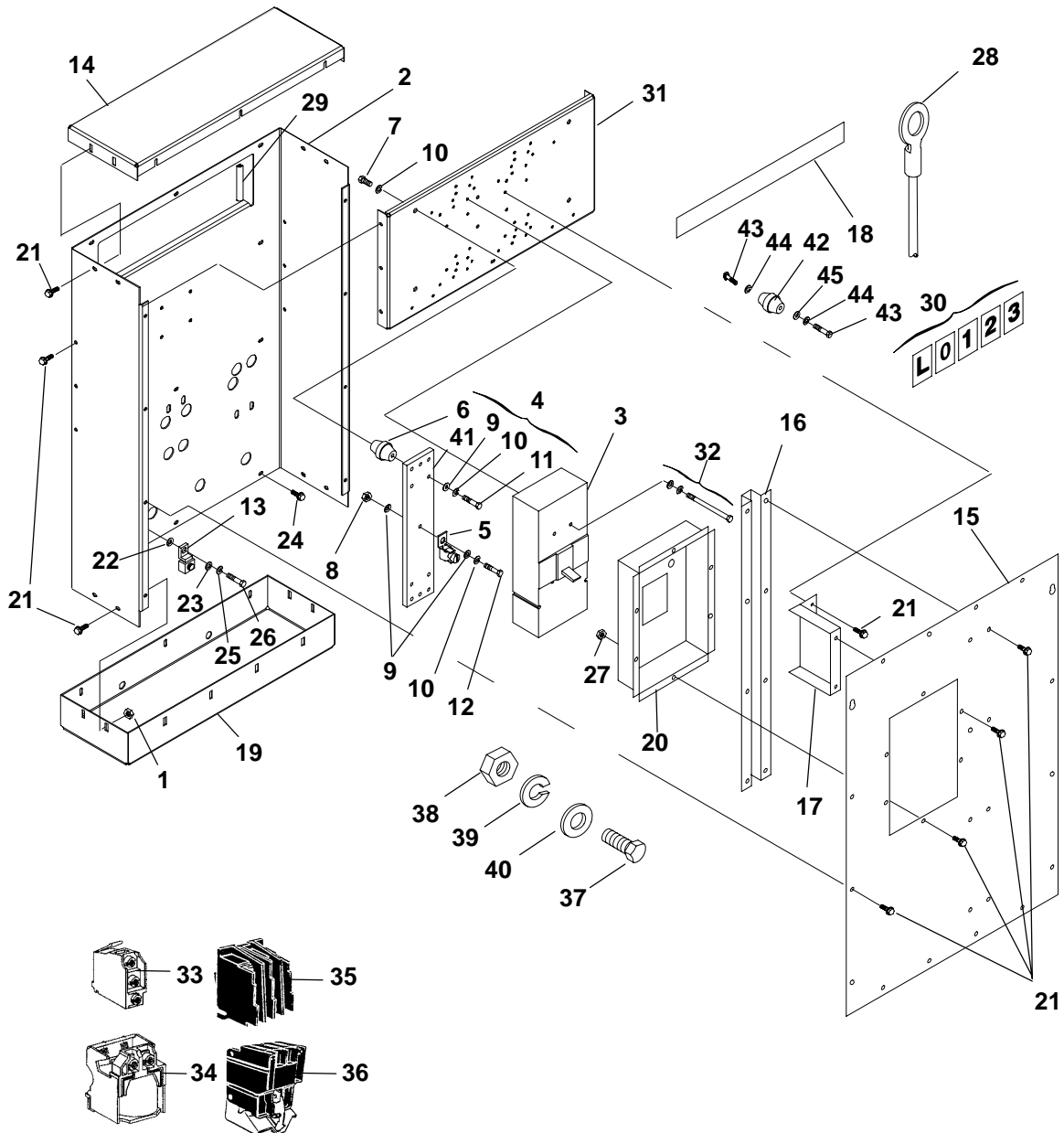
Circuit Breaker and Disconnect Switch UL Listed, IEC Conformity

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	870-0504	16	Nut, Self-Retaining (M6)	15			Cover
2	319-3169	1	Box, Circuit Breaker		319-1917	1	All Except 4 Pole Switches Mounted on the Right Side When Facing Control
3			The following listed Circuit Breakers and Disconnect Switches include lugs and mounting hardware.		319-2463	1	4 Pole Switches Mounted on the Right Side When Facing Control
			Breaker, Circuit				
			3 Pole (UL, IEC)				
	320-1959-06	1	125 Amp	16	319-3284	1	Brace, Cover
	320-1959-05	1	150 Amp	17	319-3333	1	Brace, Cover
	320-1959-04	1	175 Amp	18	091-0002	1	Strip, Copper (Quantity Used As Required)
	320-1959-03	1	200 Amp	19	319-3183	1	Panel – Bottom
	320-1959-02	1	225 Amp	20			Cup
	320-1959-01	1	250 Amp		319-2431-27	1	1-7/8" x 3-1/32" Opening
	320-1960-06	1	300 Amp		319-2431-30	1	3-5/16" x 4-3/8" Opening
	320-1960-05	1	350 Amp		319-2431-31	1	2-1/2" x 4-9/16" Opening
	320-1960-04	1	400 Amp	21	821-6002-03	53	Screw, Self-Locking – Hex Washer Head (M6 x 1.0 x 16mm)
	320-1960-03	1	450 Amp				
	320-1960-02	1	500 Amp	22	856-0010	1	Washer, Lock – EIT (3/8")
	320-1960-01	1	600 Amp	23	526-2120	1	Washer, Flat (M10)
	320-1964-05	1	700 Amp	24	821-2034	2	Screw, Self-Locking – Hex Washer Head (M6 x 1.0 x 20mm)
	320-1964-04	1	800 Amp				
	320-1964-03	1	900 Amp	25	850-2010	1	Washer, Lock – Spring (M10)
	320-1964-02	1	1000 Amp	26	800-2088	1	Screw, Cap – Hex Head (M10 x 1.5 x 35mm)
	320-1964-01	1	1200 Amp				
			4 Pole (IEC)	27	870-2054	4	Nut, Hex – Flange (M6)
	320-1960-10	1	320 Amp	28			Lead (Quantity Used As Required) 39" (Without Markings) (#1/0 Wire)
	320-1960-09	1	400 Amp		226-4406-03	1	1/2" Ring Terminal End to 1" Stripped End
	320-1960-08	1	500 Amp		226-4406-04	1	1/2" Ring Terminal End to 1/2" Ring Terminal End
	320-1960-07	1	630 Amp				
	320-1964-08	1	800 Amp	29	508-1092	–	Edging – Bulk (Order By The Foot – 3 Feet Required)
	320-1964-07	1	1000 Amp	30			Label, Marker (10 Characters Per Card) (Quantity Used As Required)
	320-1964-06	1	1250 Amp				
			Disconnect Switches		098-5854-06	1	Marked "L"
			3 Pole (UL, IEC)		098-5854-07	1	Marked "1"
	320-1990-02	1	400 Amp		098-5854-08	1	Marked "2"
	320-1990-01	1	600 Amp		098-5854-09	1	Marked "3"
	320-1992-02	1	800 Amp		098-5854-10	1	Marked "0"
	320-1992-01	1	1200 Amp	31	319-3329	1	Bracket, Mounting
4	300-4318	1	Bar Assembly, Neutral (Includes Parts Marked *)				
5	332-2001	3	*Lug, Solderless				
6	332-2744-07	2	*Standoff, Insulator				
7	800-0048	2	*Screw, Cap – Hex Head (3/8-16 x 3/4")				
8	862-0003	3	*Nut, Hex (3/8")				
9	526-0029	8	*Washer, Flat (3/8")				
10	850-0050	7	*Washer, Lock – Spring (3/8")				
11	800-0051	2	*Screw, Cap – Hex Head (3/8-16 x 1-1/4")				
12	800-0052	3	*Screw, Cap – Hex Head (3/8-16 x 1-1/2")				
13	332-2001	1	Lug, Solderless				
14	319-1915	1	Panel – Top				

* – Parts Included In 300-4318 Neutral Bar Assembly

Continued...

Circuit Breaker and Disconnect Switch UL Listed, IEC Conformity

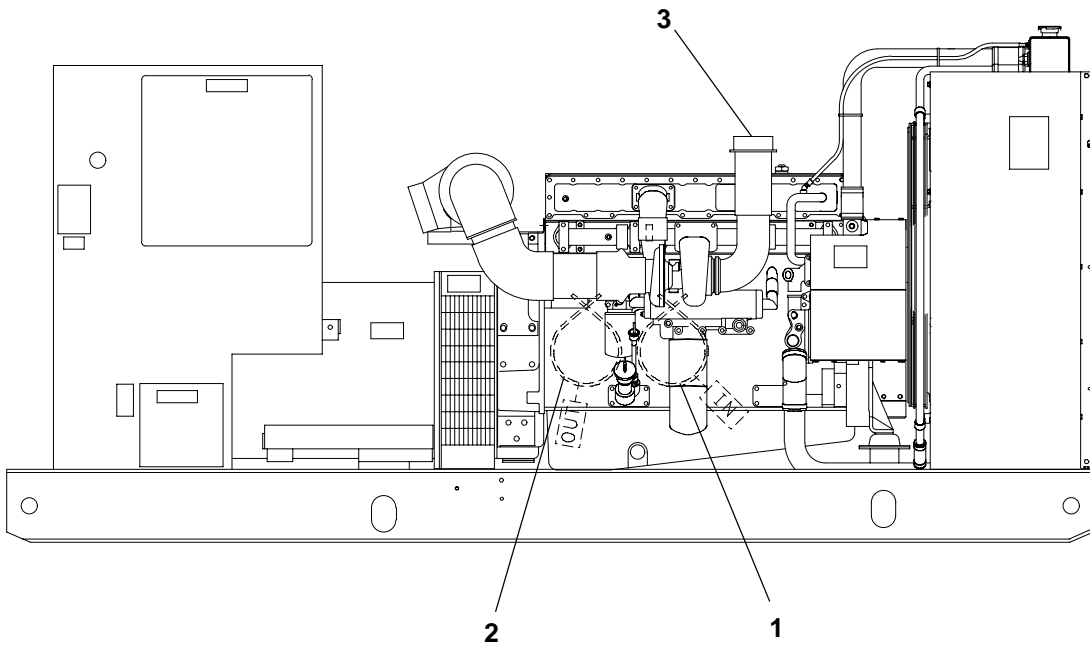
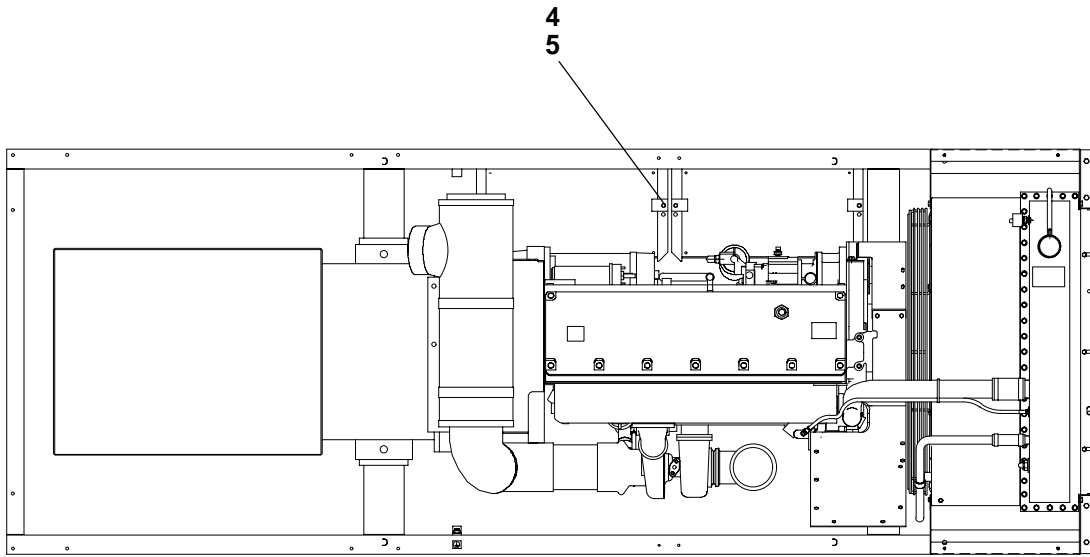


Circuit Breaker and Disconnect Switch UL Listed, IEC Conformity

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
Continued...							
32			Package, Hardware – Mounting (Includes Screws, Nuts and Lock Washers – 1 Package Required Per Switch)	35	320-1977-01	1	Switches – Includes 1 Trip Alarm and 1 Auxiliary Contact
	320-1986-08	1	Used With 320-1959-XX Circuit Breakers	36	320-1977-03	1	24 Volt Shunt Trip
	320-1986-01	1	Used With 320-1964-XX Circuit Breakers and 320-1992-XX Disconnect Switches				The following 4 hardware items are used to fasten the load leads to the generator and neutral bar. Quantity used as required.
	320-1986-07	1	Used With 320-1990-XX Disconnect Switches	37	800-2116	1	Screw, Cap – Hex Head (M12 x 50mm)
			Accessories, Circuit Breaker:	38	860-2010	1	Nut, Hex (M12)
			The following are used on 320-1959-XX Circuit Breakers	39	850-2012	1	Washer, Lock – Spring (M12)
				40	526-2140	1	Washer, Flat (M12)
				41	337-2740	2	*Bar, Neutral
				42	332-2744-07	1	Standoff, Insulator
33	320-1981-01	1	Switch – Used as a Trip Alarm or Auxiliary Contact	43	800-0048	2	Screw, Cap – Hex Head (3/8–16 x .75)
34	320-1981-03	1	24 Volt Shunt Trip	44	850-0050	2	Washer, Lock (3/8)
			Accessories, Circuit Breaker:	45	526-0029	1	Washer, Flat (3/8)
			The following are used on 320-1964-XX Circuit Breakers				

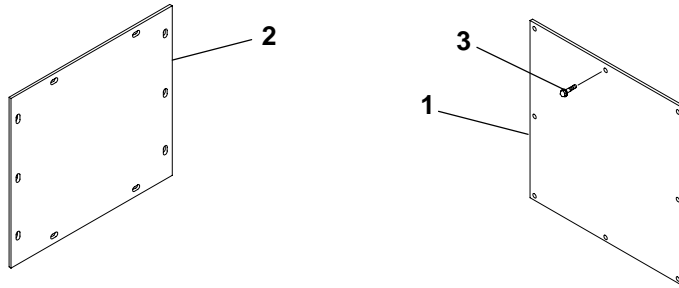
* – Parts Included In 300-4318 Neutral Bar Assembly

Miscellaneous



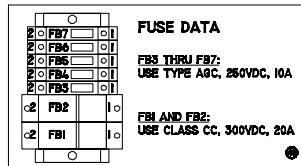
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	501-0602	1	Line, Flexible – Fuel (1/2 Fuel In)	3	517-0286-04	1	Plug, Cap
2	501-0548-01	1	Line, Flexible – Fuel (3/8 Fuel Out)	4	800-0048	4	Screw, Cap – Hex Head (3/8-16 x .75)
				5	416-0850	4	Bracket, Battery

Control Housing Cover



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Cover, Control Housing – Side – Upper (23" x 23")	3			Screw, Hex Head (M6 x 1 x 20)
	301-9511	1	With One Circuit Breaker or Entrance Box		821-6002-03	10	With Circuit Breaker and Entrance Box or With Two Circuit Breakers or Two Entrance Boxes
	301-9511	2	No Circuit Breaker or Entrance Box		821-6002-03	18	With One Circuit Breaker or Entrance Box
2	319-2220	1	Cover, Control Box (25-1/4" x 19-1/8")		821-6002-03	26	No Circuit Breaker or Entrance Box

1



GOVERNOR GAIN ADJUST			50HZ	60HZ
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Accessories

These parts must be purchased through the Accessories Business Unit, see your Cummins/Onan Distributer. For other accessories such as batteries, fuel tanks and annunciators contact the Accessories Business Unit.

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Muffler – Industrial	4			Package, Pipe – Exhaust
	155-2340-05	1	5" Flange		155-2549	1	5" Silencer
	155-2340-01	1	6" Flange		155-2550	1	6" Silencer
2			Muffler – Residential		155-2551	1	8" Silencer
	155-2341-05	1	6" Flange	5	307-1056	1	Relay, Auxiliary – 3PDT
	155-2341-01	1	6" Flange				(24V)
3	155-2342-01	1	Muffler – Critical				
			6" Flange				

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