



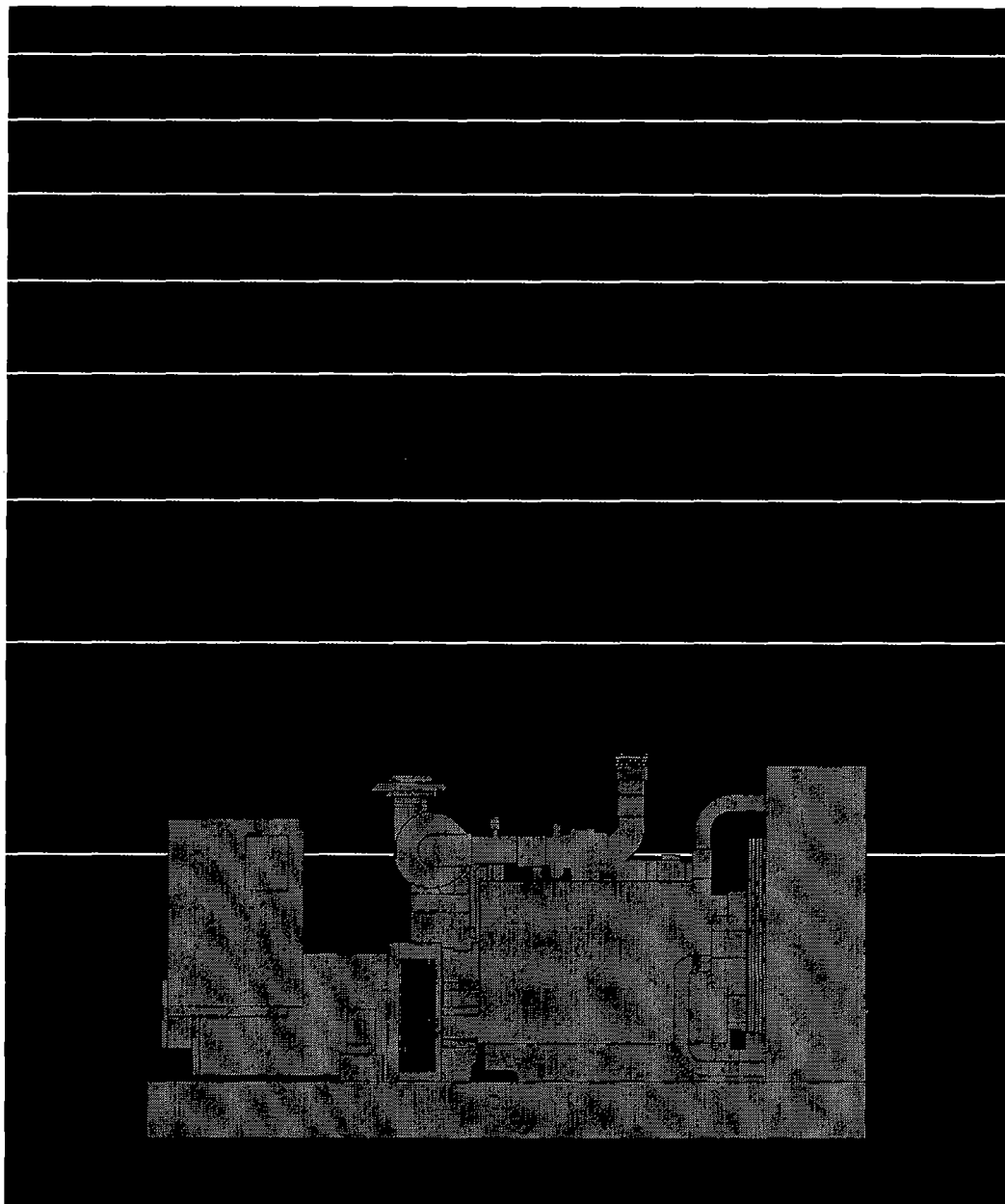
Parts Catalog

DGEA

DGFA

DGFB

Generator Set



Introduction

This catalog applies to the standard generator models DGEA, DGFA, and DGFB 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.

Engine parts that have been modified or added by Onan 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

Onan/Cummins Generator Model	Cummins Engine Model
DGEA DGFA DGFB	6CT8.3-G Spec No. SES1173 6CTA8.3-G Spec No. SES1174 6CTA8.3-G Spec No. SES1174

Replacement engines cannot be ordered from Onan.
Order from your nearest Cummins distributor.

Generator Set Data Table

Model Specification	Electrical Data					Battery Voltage
	Watts	Volts	Hertz	Wire	Phase	
100DGEA *	100,000	#	50	4,6,12	1 or 3	24 VDC
125DGEA *	125,000	#	60	4,6,12	1 or 3	24 VDC
135DGFA *	135,000	#	50	4,6,12	1 or 3	24 VDC
150DGFA *	150,000	#	60	4,6,12	1 or 3	24 VDC
140DGFB *	140,000	#	50	6,12	1 or 3	24 VDC
175DGFB *	175,000	#	60	6,12	1 or 3	24 VDC

* – The specification number denotes customer requested options or deviations from the standard model. The specification letter advances (J to K, K to L, etc.) with major-manufacturing changes.

– Broad Range Reconnectible

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Abbreviations

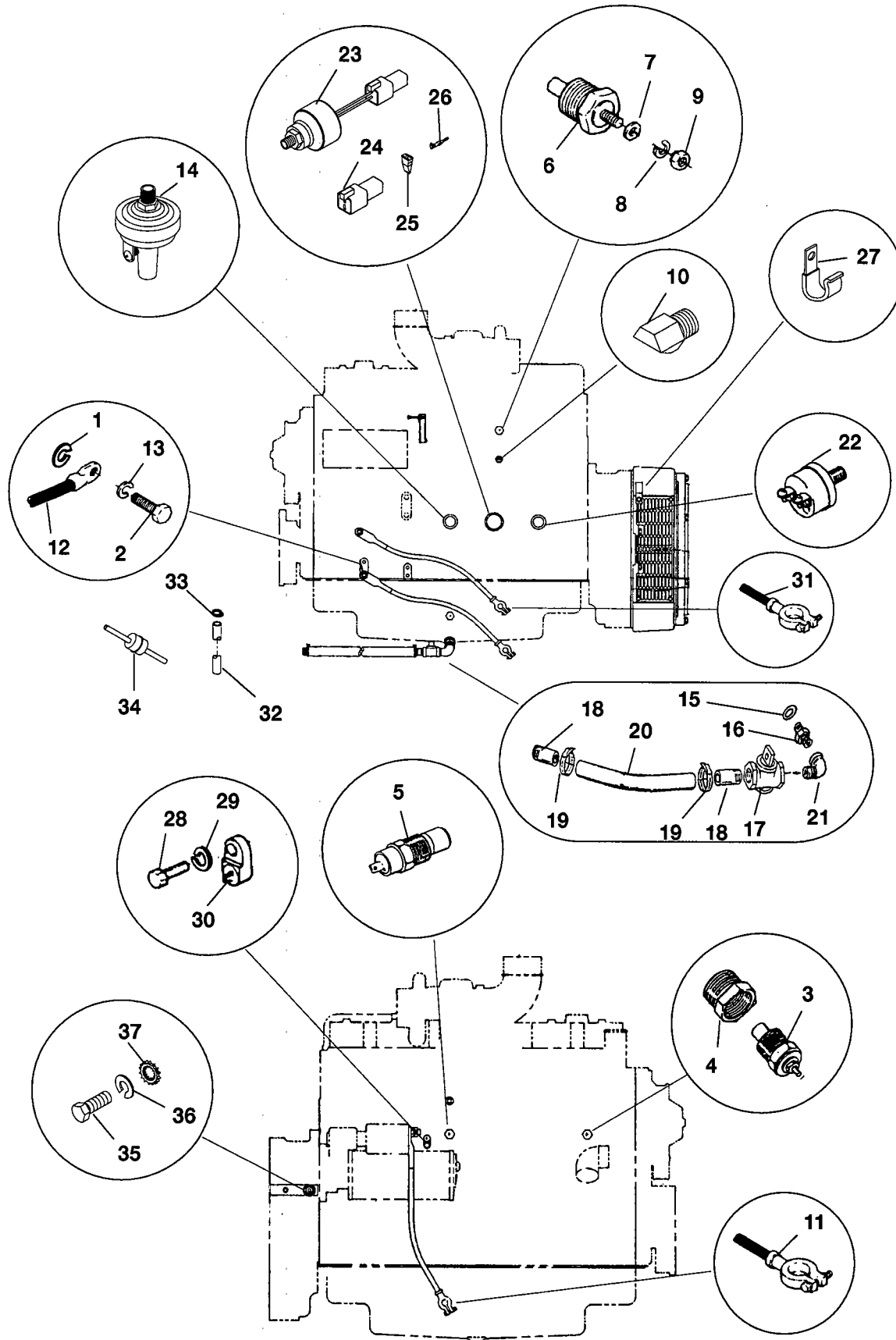
Some of the following abbreviations may be used throughout this Parts Catalog;

Alternating Current	AC	Not For Sale	NFS
Ampere	Amp	Nominal Pipe Thread	NPT
As Required	A/R	Outside Diameter	OD
Automatic Voltage Regulator	AVR	Ounce	oz.
American Wire Gauge	AWG	Permanent Magnet Exciter	PMG
Degree	Deg	Phase	Ph
Direct Current	DC	Printed Circuit	PC
External Tooth	ET	Radio Frequency Interference	RFI
External/Internal Tooth	EIT	Right	RT
Ground Fault Interrupter	GFI	Specification	Spec
Inside Diameter	ID	Thick	Thk
Internal Tooth	IT	Underwriters Laboratories Inc.	UL
Kilowatt	kW	Union National Coarse	UNC
Liquid Petroleum Gas	LPG	Union National Fine	UNF
Left	LT	Volts Alternating Current	VAC
Meter	M(meter Number)	Volts Direct Current	VDC
Millimeter	mm	With	W/(ET, IT, EIT)

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)				Cummins Beige Enamel
	525-0305	-	13 oz. Pressurized Spray Can		525-0551-02	-	13 oz. Pressurized Spray Can
	525-0306	-	Quart Can		525-0551-03	-	Quart Can
	525-0304	-	Gallon Can		525-0551-04	-	Gallon Can
					518-0601	-	Sealant, Thread (6 ml Tube)

External Engine Parts



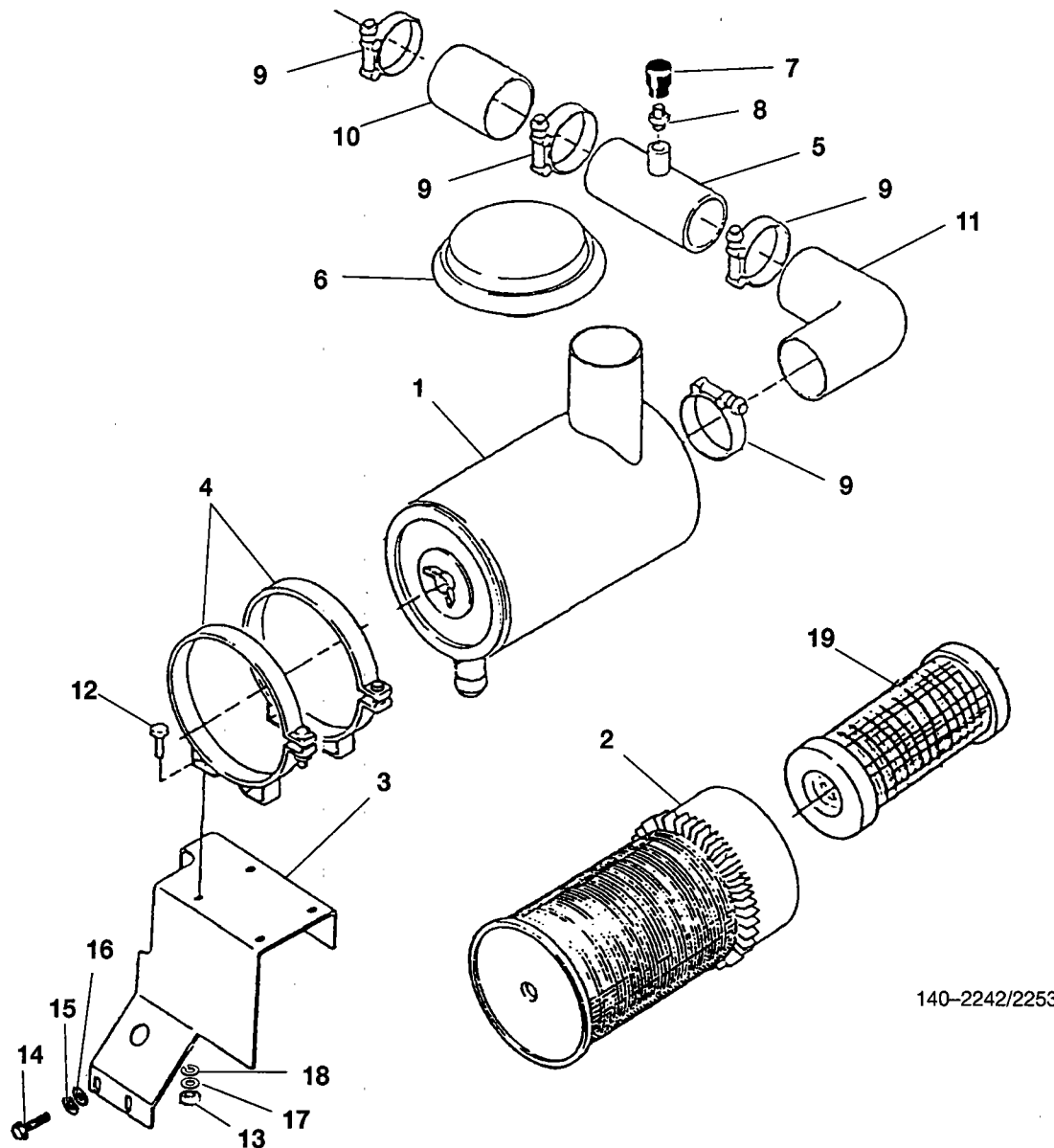
100-3317/2598

External Engine Parts

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	856-0013	1	Washer, Lock – W/EIT (1/2")	22	309-00641-03	1	Switch, Oil Pressure – 14 PSI (S1)
2	800-2111	1	Screw, Cap – Hex Head (M12 x 25mm)	23	193-0448	1	Sender, Oil Pressure (Includes Parts Marked *) (E1)
3	309-0554	1	Switch, Temperature – High Engine Coolant (Opens at 205 Deg F, Closes at 230 Deg F) (S2)	24	323-1549	1	*Connector, Receptacle – 4 Place
4	505-0021	1	Bushing, Reducer (3/4" to 1/2")	25	323-1548	1	*Wedge, Receptacle
5	309-0553	1	Switch, Temperature – High Engine Coolant (Opens at 195 Deg F, Closes at 220 Deg F) (S6 – Pre-Alarm)	26	323-1492	4	*Socket, Contact
6	193-0375	1	Sender, Water Temperature (E2)	27	332-3196	1	Clamp, "J"
7	526-0008	1	Washer, Flat (#10)	28	800-2058	1	Screw, Cap – Hex Head (M8 x 25mm)
8	850-0030	1	Washer, Lock – Spring (#10)	29	850-2008	1	Washer, Lock – Spring (M8)
9	871-0010	1	Nut, Hex (#10-32)	30	309-0269	1	Switch, Temperature – Low Engine Coolant (S4)
10	502-0199	1	Elbow, Male – Inverted – 45 Deg	31	416-0923	1	Cable, Battery (34")
11	416-0444	1	Cable, Battery (44")	32	501-0480	1	Line, Fuel – Flexible – 30" (Fuel Out) (Sets Without Subbase Fuel Tank)
12	416-0619	1	Cable, Battery (18")	33	503-0685	1	Clamp, Hose (Sets Without Subbase Fuel Tank)
13	850-2012	1	Washer, Lock – Spring (M12)	34	501-0627-03	1	Line, Fuel – Flexible – 40" (Fuel In) (Sets Without Subbase Fuel Tank)
14	309-0641-07	1	Switch, Oil Pressure – 20 PSI (S5 Pre-Alarm)	35	800-2111	1	Screw, Cap – Hex Head (M12 x 25mm)
15	102-1356	1	Gasket, Oil Drain	36	850-2012	1	Washer, Lock – Spring (M12)
16	102-1237	1	Adapter, Oil Drain	37	856-0013	1	Washer, Lock – W/EIT (1/2")
17	504-0011	1	Valve, Shutoff (1/2")				
18	505-0185	2	Nipple, Half (1/2" x 1-1/2")				
19	503-0197	2	Clamp, Hose				
20	503-1195	1	Hose, Oil Drain				
21	505-0050	1	Elbow, Street – 90 Deg (1/2")				

* – Parts Included in 193-0448 Oil Pressure Sender

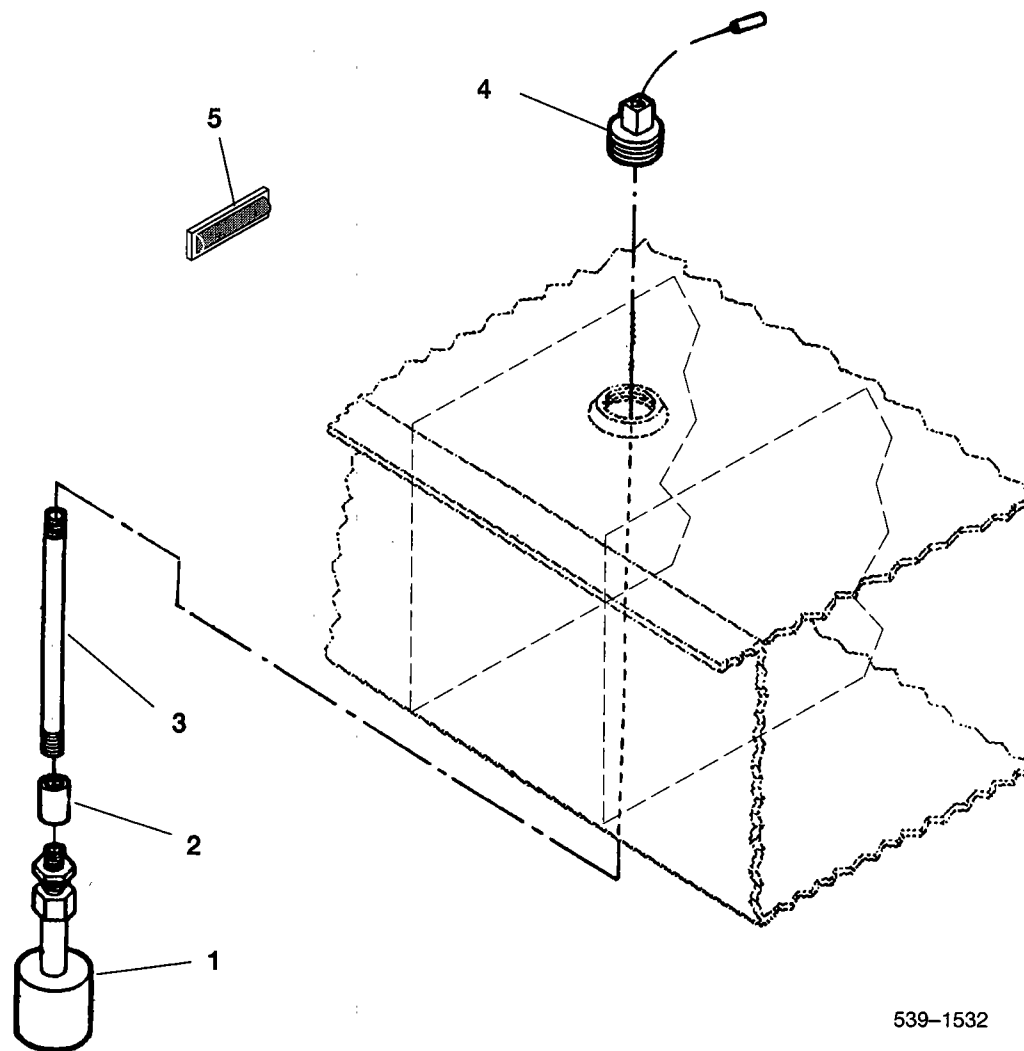
Air Cleaner



140-2242/2253

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Cleaner, Air - Includes Element(s)	9	503-1870-07	4	Clamp, Hose
	140-2240	1	Standard Air Cleaner (One Element)	10	503-1595	1	Hose
	140-2251	1	Heavy Duty Air Cleaner (Two Elements)	11	503-1354	1	Elbow, Moulded - Rubber
2	140-2241	1	Element, Air Cleaner - Standard and Heavy Duty Air Cleaner (Outer)	12	821-5004-02	4	Screw, Self-Locking - Hex Washer Head (3/8-16 x 3/4")
3	140-2239	1	Bracket, Mounting	13	870-0550-09	4	Nut, Locking - Flange (3/8-16)
4	140-1973	2	Band, Mounting	14	800-2110	3	Screw, Cap - Hex Head (M12 x 20mm)
5	140-2238	1	Tube, Air Inlet	15	850-2012	3	Washer, Lock - Spring (M12)
6	140-1601	1	Hood, Air Inlet (Unhoused Sets)	16	526-2140	3	Washer, Flat (M12) Standard Air Cleaner
7	140-1548	1	Indicator, Service	17	850-0114-07	4	Washer, Lock - Spring (3/8")
8	140-1260	1	Adapter, Indicator	18	526-0399-19	4	Washer, Flat (3/8")
				19	140-2252	1	Element, Air Cleaner - Heavy Duty Air Cleaner (Inner)

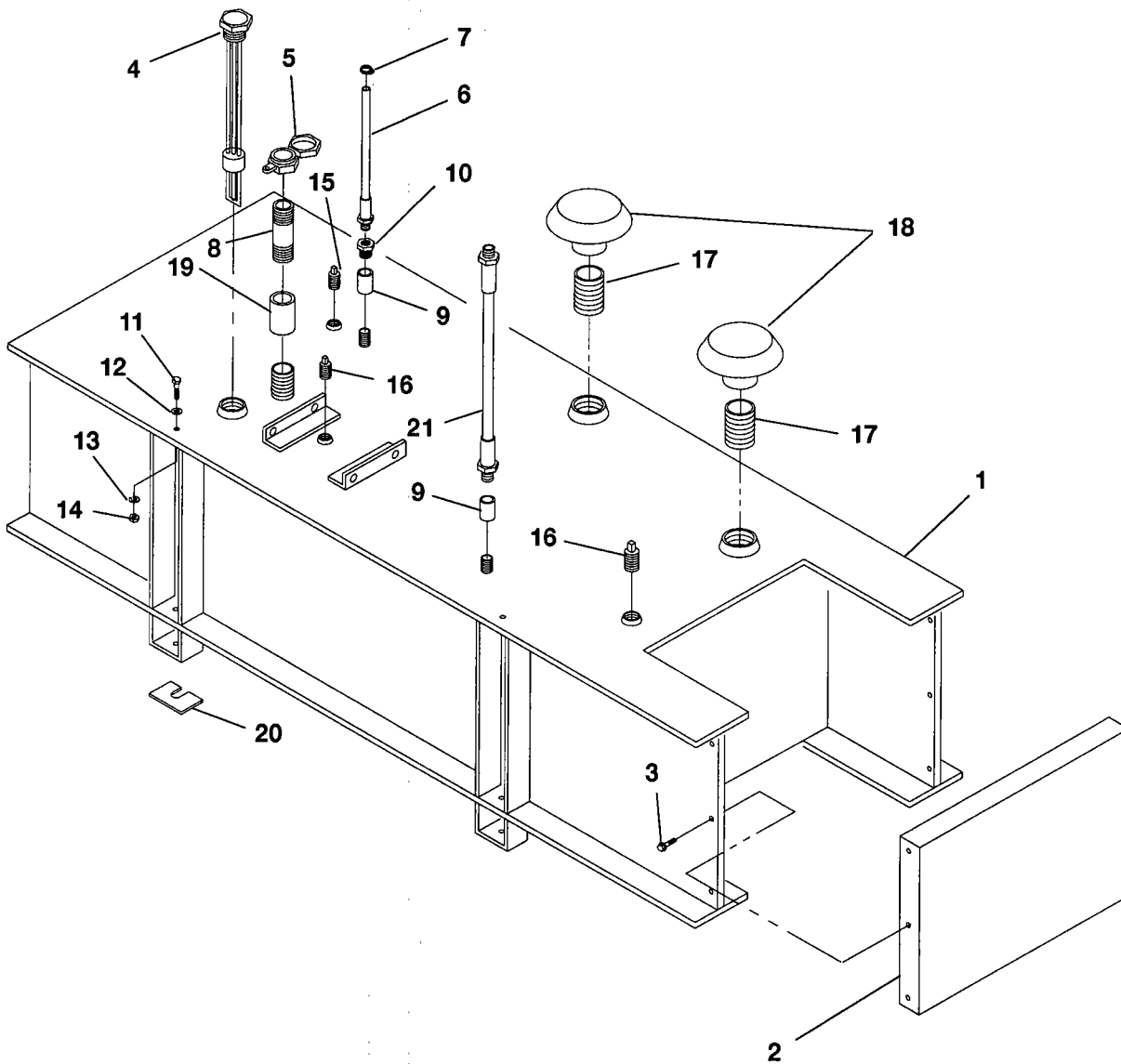
Basin Alarm Switch 12 Hour Subbase Fuel Tank



539-1532

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	308-0916-01	1	Switch, Basin Alarm	5	322-0463-06	1	Lens, Indicator Light - Marked "Basin"
2	505-0026	1	Coupling, Pipe (1/8")				
3	505-1458-03	1	Nipple, Pipe (1/8") (14-7/16")				
4	505-1050	1	Plug, Pipe - Square Head (1-1/4")				

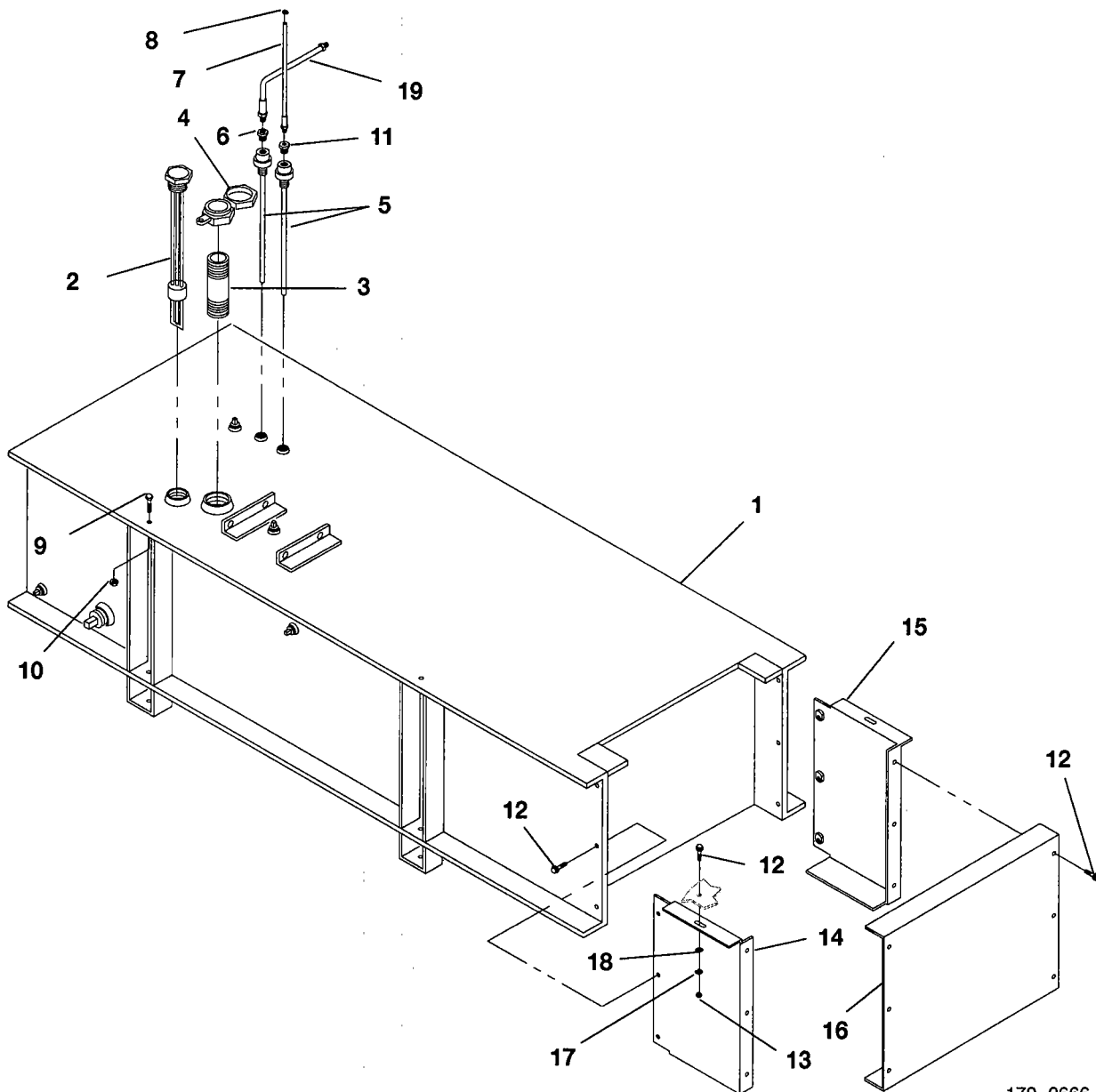
Subbase Fuel Tank 12 Hour



179-0697

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	159-1363	1	Tank, Fuel (180 Gallon) Includes End Cap and Mounting Screws	12	526-0238	4	Washer, Flat (3/4")
2	159-1369	1	Cap, End - Fuel Tank	13	850-0079	4	Washer, Lock - Spring (3/4")
3	821-0014	6	Screw, Self-Locking - Hex Washer Head (5/16-18 x 1/2")	14	862-0008	4	Nut, Hex (3/4-10)
4	415-0565-02	1	Gauge, Liquid Level	15	505-0110	1	Plug, Pipe - Square Head (3/8")
5	415-0043	1	Cap, Fuel	16	505-0359	2	Plug, Pipe - Square Head (1-1/4")
6	501-0480-01	1	Line, Fuel - Flexible (36")	17	505-0382	2	Nipple, Pipe - Close (3" x 2-5/8")
7	503-0685	1	Clamp, Hose	18	159-1371-05	2	Cap, Vent
8	505-0401	1	Nipple, Pipe (2" x 6")	19	505-0203	1	Coupling, Pipe (2")
9	505-0027	2	Coupling, Pipe (1/4")	20	159-1378	8	Shim, Fuel Tank
10	505-0007	1	Bushing, Reducer (1/4" to 1/8")	21	501-0441	1	Line, Fuel - Flexible (40")
11	800-0156	4	Screw, Cap - Hex Head (3/4-10 x 2-1/4")				

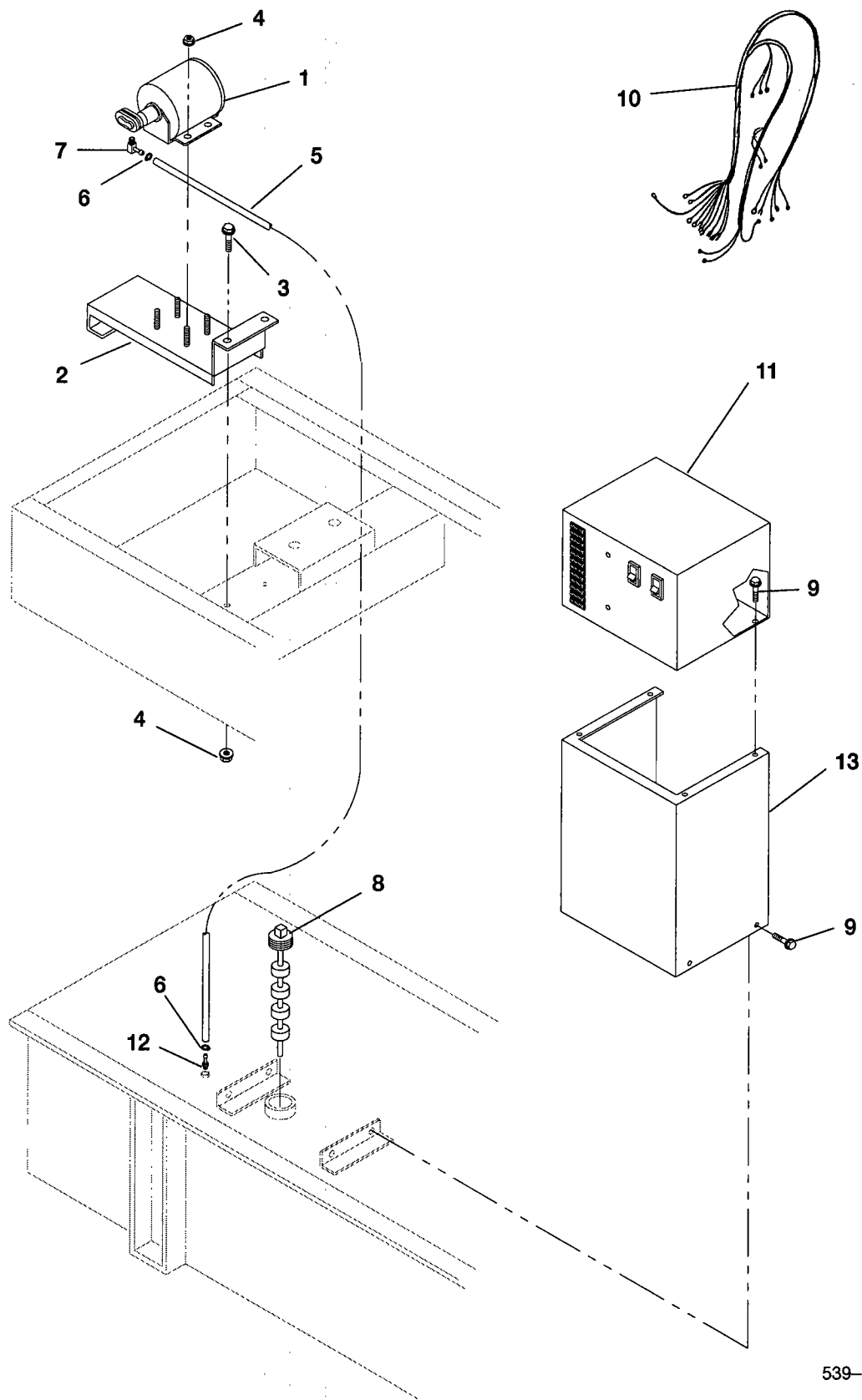
Subbase Fuel Tank 24 Hour



179-0666

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	159-1182	1	Tank, Fuel (212 Gallon)	11	505-1133	1	Bushing, Reducer (1/2" to 1/8")
2	415-0565-03	1	Gauge, Liquid Level	12	821-5003-01	14	Screw, Self-Locking - Hex
3	505-0748	1	Nipple, Pipe (2" x 9")				Washer Head (5/16-18 x 1/2")
4	159-1208-01	1	Cap, Fuel	13	870-0550-07	2	Nut, Hex - Flange (5/16-18)
5	415-0566-03	2	Pipe, Fuel - Suction	14	159-1306-01	1	Wrapper, Fuel Tank (Right Side)
6	505-0018	1	Bushing, Reducer (1/2" to 1/4")	15	159-1306-02	1	Wrapper, Fuel Tank (Left Side)
7	501-0480-01	1	Line, Fuel - Flexible (36")	16	159-1305	1	Cap, End - Fuel Tank
8	503-0685	1	Clamp, Hose	17	850-0114-06	2	Washer, Lock - Spring (5/16")
9	800-0155	4	Screw, Cap - Hex Head (3/4-10 x 2")	18	526-0399-16	2	Washer, Flat (5/16")
10	862-0008	4	Nut, Hex (3/4-10)	19	501-0441	1	Line, Fuel - Flexible (40")

Subbase Fuel Tank Control

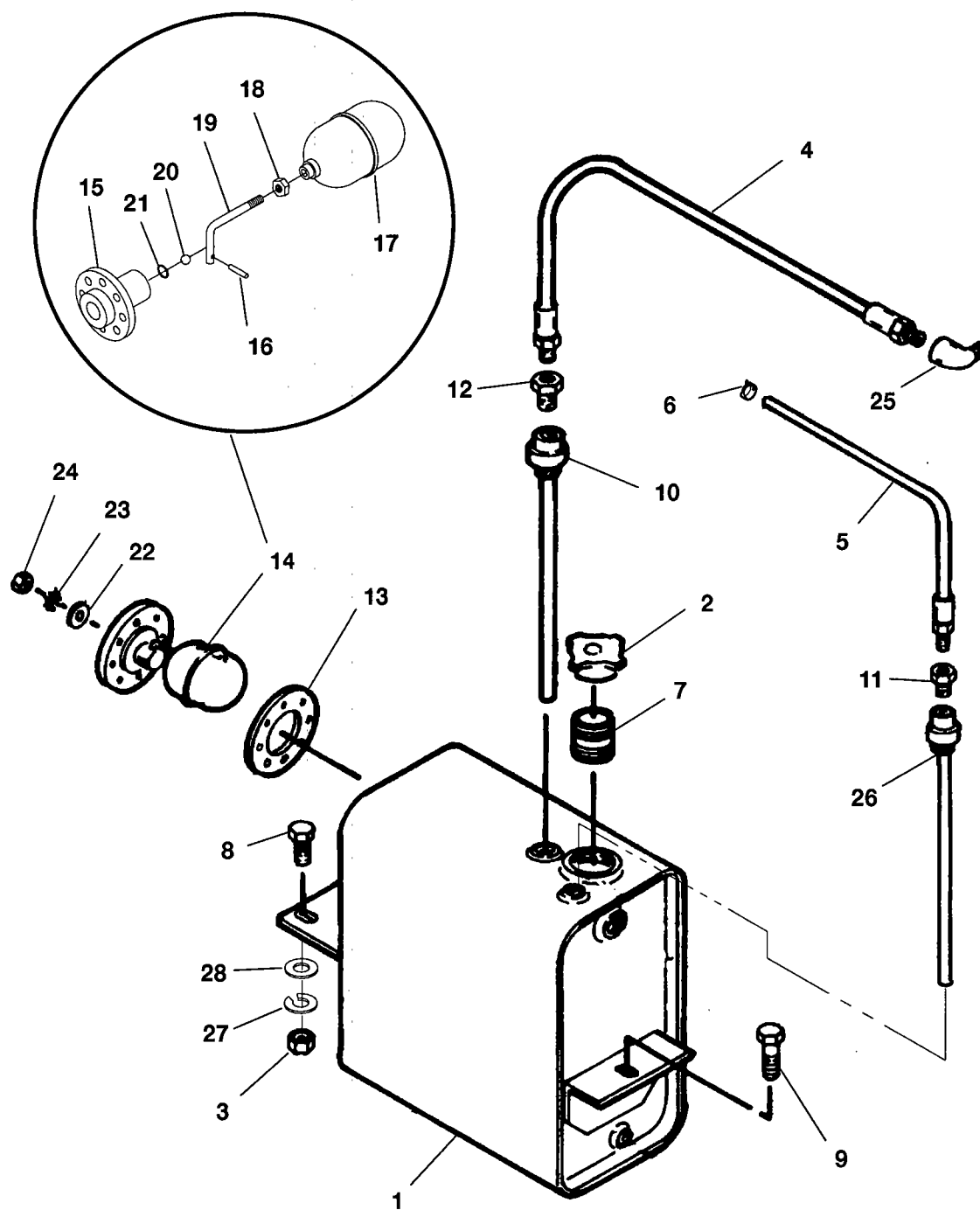


539-1534-01

Subbase Fuel Tank Control

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	399-0117	1	Pump, Fuel Tank (P103)	8	308-0913	1	Switch, Fuel – 5 Float
	399-0121	1	Kit, Repair – Fuel Tank Pump (Includes Lip Seal, Bearings, Gasket, Drive Gear, Idle Gear and Coupler) (Not Illustrated)	9	821-0018	8	Screw, Self-Locking – Hex Washer Head (1/4-20 x 5/8")
	399-0122	1	Coupler, Pump (Drive Piece Between Motor and Pump) (Not Illustrated)	10	338-2397	1	Harness, Wiring Fuel Tank Control Box Printed Circuit Board TB1 to Fuel Tank Pump P103 (5 Wire) (40")
	399-0123	1	Pump (Not Illustrated)		338-2398	1	Fuel Tank Control Box Printed Circuit Board TB1 to S1+ and Ground (2 Wire) (84")
	399-0124	1	Motor (Not Illustrated)				
2	159-1267	1	Bracket, Mounting – Pump				
3	821-0010	2	Screw, Self-Locking – Hex Washer Head (1/4-20 x 1/2")	11	625-2141-01	1	Control, Fuel Tank (See Separate Page for Components)
4	870-0212	6	Nut, Hex – Flange (1/4-20)				
5	503-1660-05	1	Hose, Fuel (28")	12	502-0943	1	Connector, Hose (3/8" Pipe to 1/2" Hose)
6	503-0183	2	Clamp, Hose				
7	502-0942	1	Elbow, Hose – 90 Deg (3/8" Pipe to 1/2" Hose)	13	319-0863-01	1	Stand, Control Box

Day Tank Without Fuel Tank Pump or Control



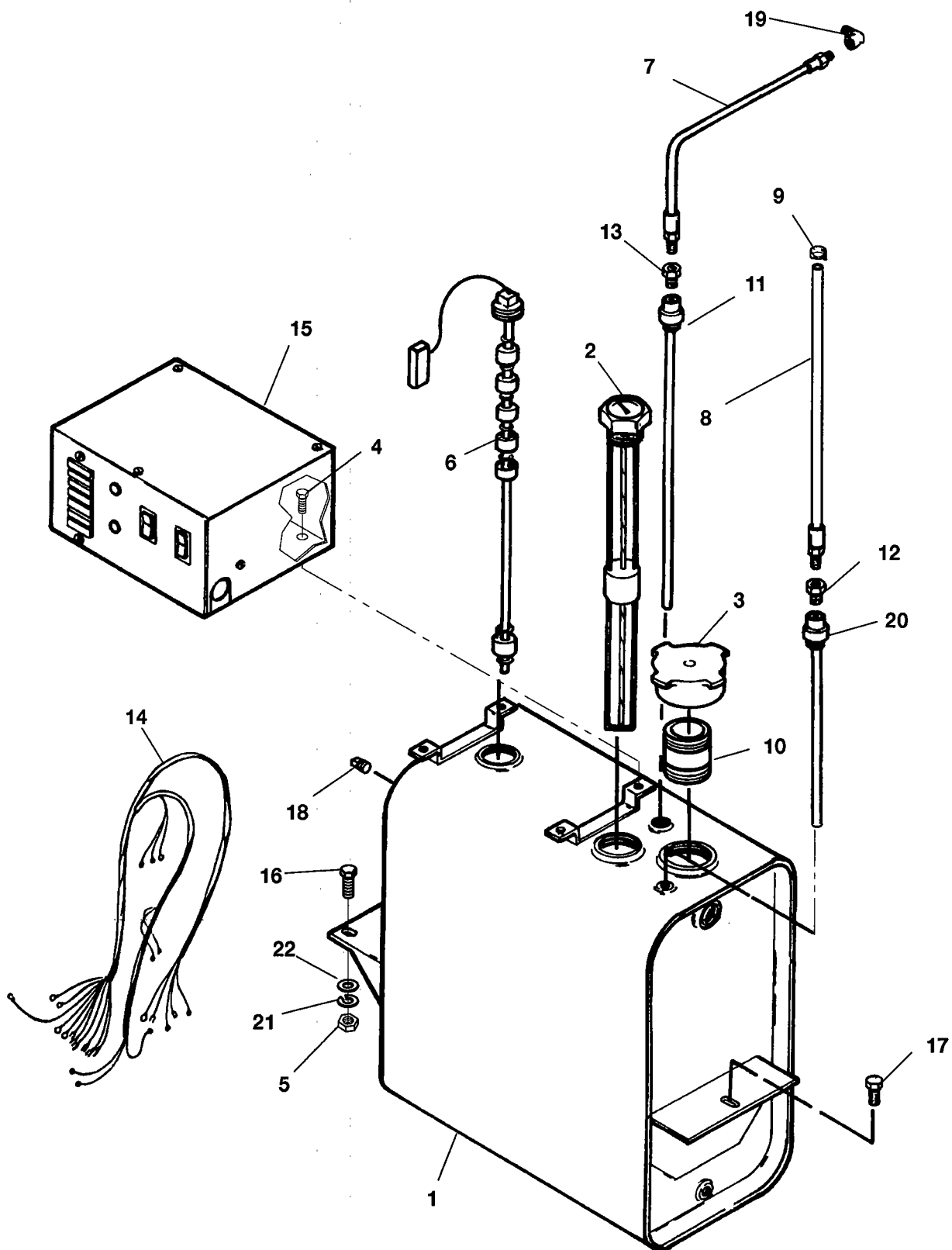
539-1188

Day Tank **Without Fuel Tank Pump or Control**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	415-0661	1	Tank, Day (7-1/2 Gallons)	15	415-0650-01	1	*Body
2	159-1208-01	1	Cap, Fuel	16	415-0651-19	1	*Pin, Roll
3	870-0550-05	2	Nut, Hex - Flange (1/4-20)	17	415-0652	1	*Ball, Float
4	501-0496	1	Line, Fuel - Flexible (24")	18	864-0011	1	*Nut, Jam (1/4-20)
			Fuel Supply	19	415-0654	1	*Arm
5	501-0570	1	Line, Fuel - Flexible (26")	20	415-0655	1	*Ball, Steel
			Fuel Return	21	415-0656-21	1	*Seal, Ring
6	503-0685	1	Clamp, Hose	22	526-0008	8	Washer, Flat (#10)
7	505-0172	1	Nipple, Pipe - Close (2")	23	853-1008	8	Washer, Lock - W/ET (#10)
8	821-5002-06	2	Screw, Self-Locking - Hex	24	867-0028	8	Nut, Hex (#10-32)
			Washer Head (1/4-20 x 7/8")	25	502-0054	1	Elbow, Street - 90 Deg (1/4")
9	821-5004-02	1	Screw, Self-Locking - Hex	26	415-0752-01	1	Pipe, Fuel (Fuel Return)
			Washer Head (3/8-16 x 3/4")	27	850-0114-05	2	Washer, Lock - Spring (1/4")
10	415-0566-04	1	Pipe, Fuel (Fuel Supply)	28	526-0399-13	2	Washer, Flat (1/4")
11	502-0143	1	Adapter, Reducing (1/4" to 1/8")				
12	505-0018	1	Bushing, Reducer (1/2" to 1/4")				
13	415-0660	1	Gasket				
14	415-0657	1	Valve Assembly, Float (Includes Parts Marked *)				

* - Parts Included in 415-0657 Float Valve Assembly

Day Tank With Control

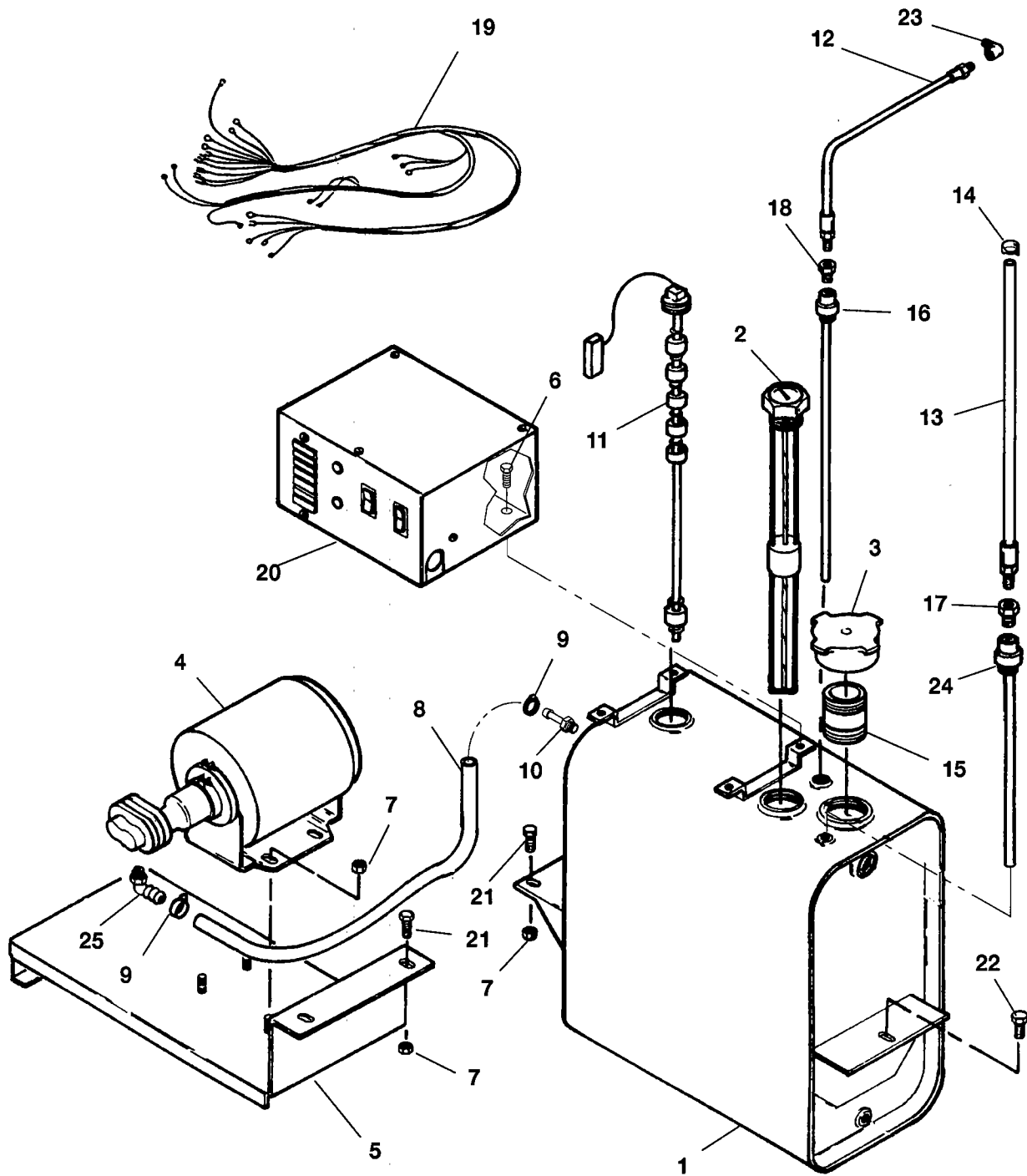


539-1187

Day Tank With Control

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	415-0658	1	Tank, Day (7-1/2 Gallons)	14	338-2398	1	Harness, Wiring – Fuel Tank
2	415-0565-04	1	Gauge, Fuel – Liquid Level				Control Box Printed Circuit
3	159-1208-01	1	Cap, Fuel				Board TB1 to S1+ and Ground
4	821-5002-03	4	Screw, Self-Locking – Hex Washer Head (1/4-20 x 1/2")	15	625-2141-01	1	(2 Wire) (84")
5	870-0550-05	2	Nut, Hex – Flange (1/4-20)				Control, Fuel Tank (See
6	308-0913	1	Switch, Fuel – 5 Float				Separate Page for
7	501-0496	1	Line, Fuel – Flexible (24")	16	821-5002-06	2	Components)
			Fuel Supply				Screw, Self-Locking – Hex
8	501-0570	1	Line, Fuel – Flexible (26")	17	821-5004-02	1	Washer Head (1/4-20 x 7/8")
			Fuel Return				Screw, Self-Locking – Hex
9	503-0685	1	Clamp, Hose	18	505-0266	1	Washer Head (3/8-16 x 3/4")
10	505-0172	1	Nipple, Pipe – Close (2")	19	502-0054	1	Plug, Pipe (3/8")
11	415-0566-04	1	Pipe, Fuel (Fuel Supply)	20	415-0752-01	1	Elbow, Street – 90 Deg (1/4")
12	502-0143	1	Adapter, Reducing (1/4" to 1/8")	21	850-0114-05	2	Pipe, Fuel (Fuel Return)
13	505-0018	1	Bushing, Reducer (1/2" to 1/4")	22	526-0399-13	2	Washer, Lock – Spring (1/4")
							Washer, Flat (1/4")

Day Tank With Fuel Tank Pump and Control

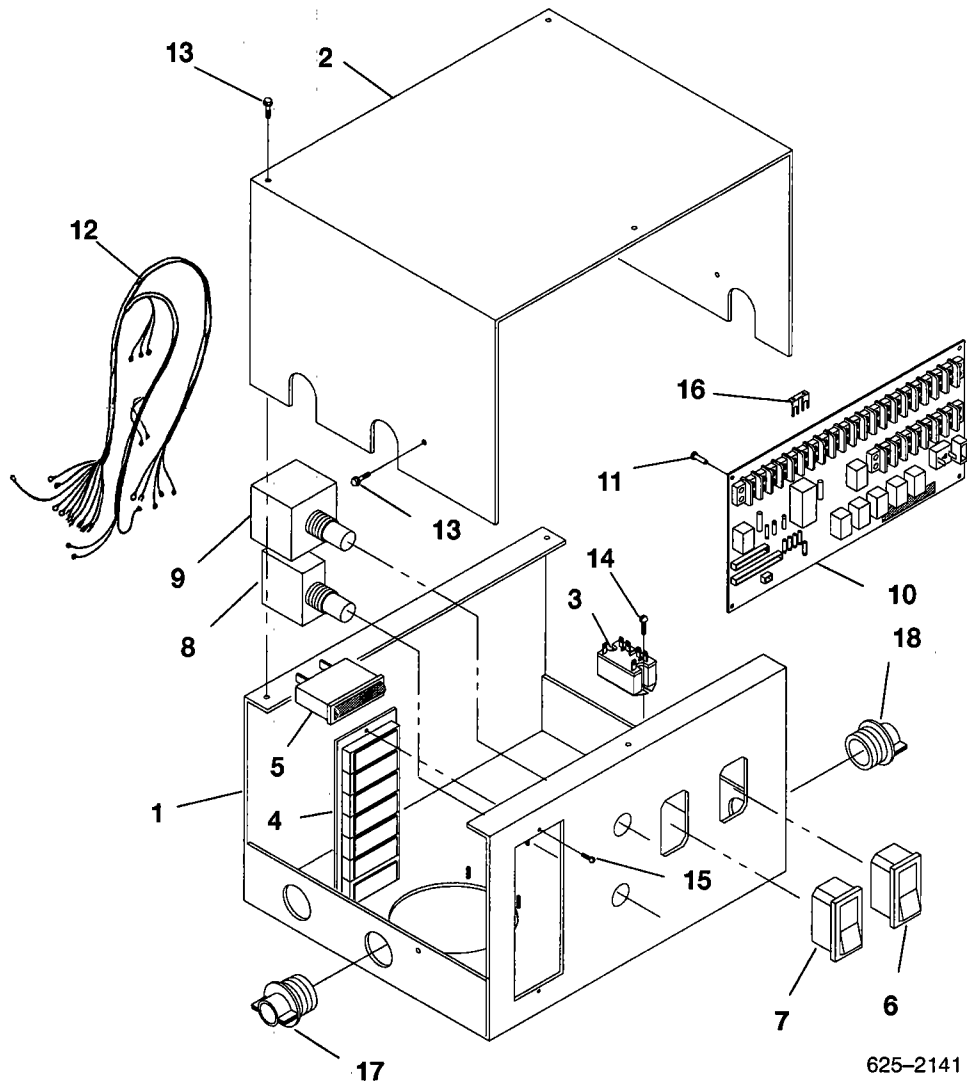


539-1189

Day Tank With Fuel Tank Pump and Control

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	415-0658	1	Tank, Day (7-1/2 Gallons)	14	503-0685	1	Clamp, Hose
2	415-0565-04	1	Gauge, Fuel (Liquid Level)	15	505-0172	1	Nipple, Pipe - Close (2")
3	159-1208-01	1	Cap, Fuel	16	415-0566-04	1	Pipe, Fuel (Fuel Supply)
4	399-0117	1	Pump, Fuel Tank (P103)	17	502-0143	1	Adapter, Reducer (1/4" to 1/8")
	399-0121	1	Kit, Repair - Fuel Tank Pump (Includes Lip Seal, Bearings, Gasket, Drive Gear, Idle Gear and Coupler) (Not Illustrated)	18	505-0018	1	Bushing, Reducer (1/2" to 1/4")
				19			Harness, Wiring
	399-0122	1	Coupler, Pump (Drive Piece Between Motor and Pump) (Not Illustrated)		338-2397	1	Fuel Tank Control Box Printed Circuit Board TB1 to Fuel Tank Pump P103 (5 Wire) (40")
	399-0123	1	Pump (Not Illustrated)		338-2398	1	Fuel Tank Control Box Printed Circuit Board TB1 to S1+ and Ground (2 Wire) (84")
	399-0124	1	Motor (Not Illustrated)				
5	159-1267	1	Bracket, Mounting - Pump	20	625-2141-01	1	Control, Fuel Tank (See Separate Page for Components)
6	821-5002-03	4	Screw, Self-Locking - Hex Washer Head (1/4-20 x 1/2")				
7	870-0212	8	Nut, Hex - Flange (1/4-20)	21	821-0018	4	Screw, Self-Locking - Hex Washer Head (1/4-20 x 5/8")
8	503-1660-02	1	Hose, Fuel - Pump to Tank (20")	22	821-5004-02	1	Screw, Self-Locking - Hex Washer Head (3/8-16 x 3/4")
9	503-0183	2	Clamp, Hose	23	502-0054	1	Elbow, Street - 90 Deg (1/4")
10	502-0943	1	Connector, Hose (3/8" Pipe to 1/2" Hose)	24	415-0752-01	1	Pipe, Fuel (Fuel Return)
11	308-0913	1	Switch, Fuel - 5 Float	25	502-0942	1	Elbow, Hose - 90 Deg (3/8" Pipe to 1/2" Hose)
12	501-0496	1	Line, Fuel - Flexible (24") Fuel Supply				
13	501-0570	1	Line, Fuel - Flexible (26") Fuel Return				

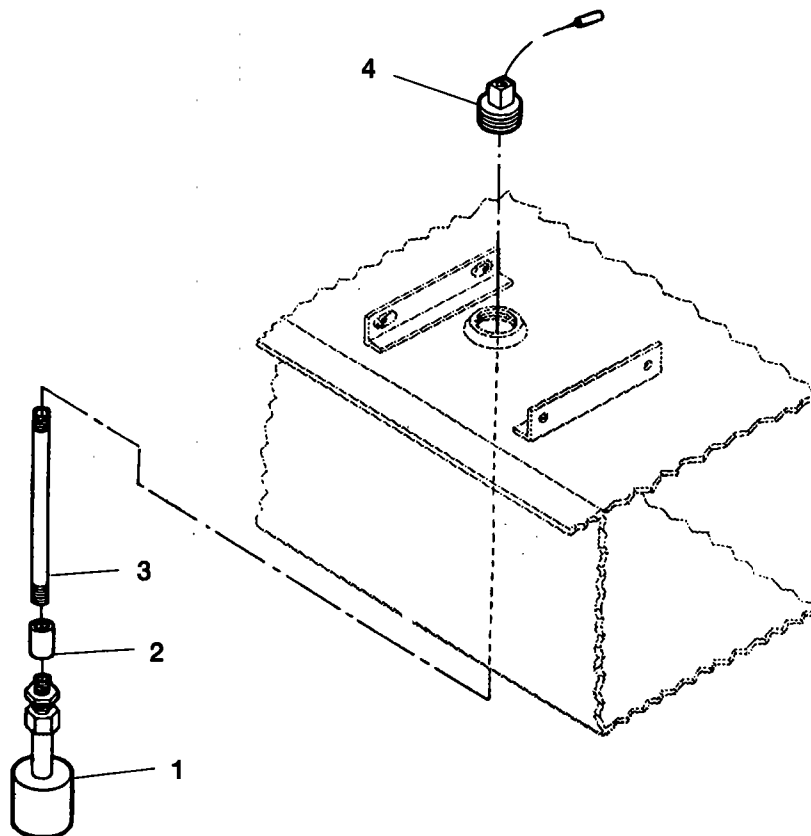
Fuel Tank Control



625-2141

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	625-2141-01	1	Control, Fuel Tank – Complete (Includes Parts Listed Below)	9	320-1654	1	Breaker, Circuit – AC (Double Pole) (CB101)
1	319-0486	1	Box, Control	10	300-3464	1	Board, Printed Circuit
2	319-0485	1	Cover, Box	11	870-0458	4	Spacer, Board – Printed Circuit
3	307-2677-02	1	Relay, Pump (K130)	12	338-2382	1	Harness, Wiring – Control Box
4	322-0403-02	1	Light, Assembly, Indicator – 7 Light (Includes Wiring Harness)	13	815-0350	5	Screw, Self-Tapping – Slotted Hex Washer Head (#10-32 x 3/8")
5	322-0369-02	1	Lamp, Indicator – Replacement	14	812-0075	2	Screw, Machine – Round Head (#8-32 x 1/4")
6	308-0912	1	Switch, Rocker (On/Off/ Emergency Run) (S102)	15	815-0385	2	Screw, Machine – Round Head (#6-32 x 1/2")
7	308-0852	1	Switch, Rocker (Reset/Off/Test) (S111)	16	332-2605	2	Jumper, Terminal
8	320-1653	1	Breaker, Circuit – DC (Single Pole) (CB107)	17	331-0027	2	Connector, Romex
				18	331-0042	1	Connector, Knockout

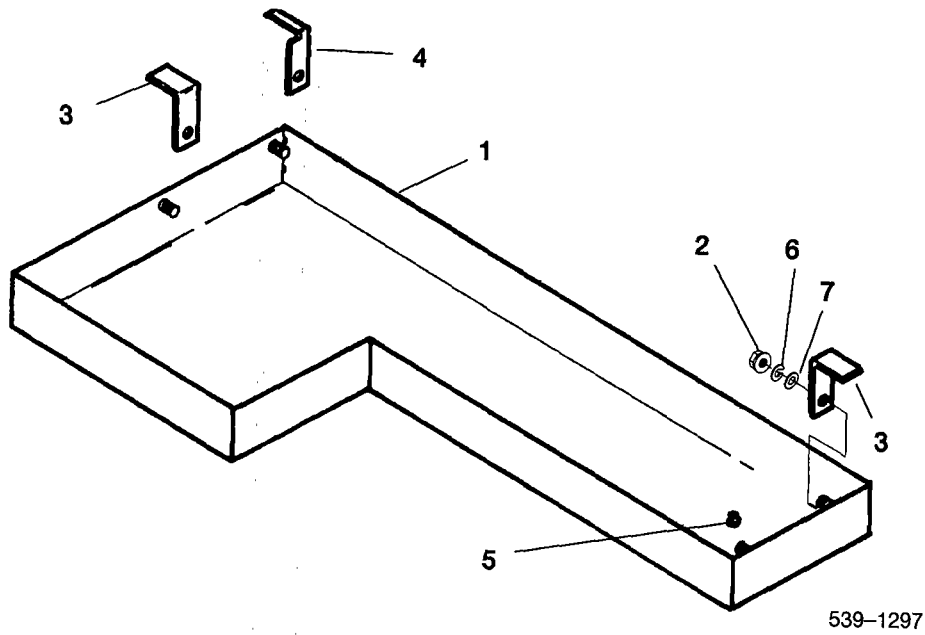
Low Fuel Alarm



539-1287-03,10

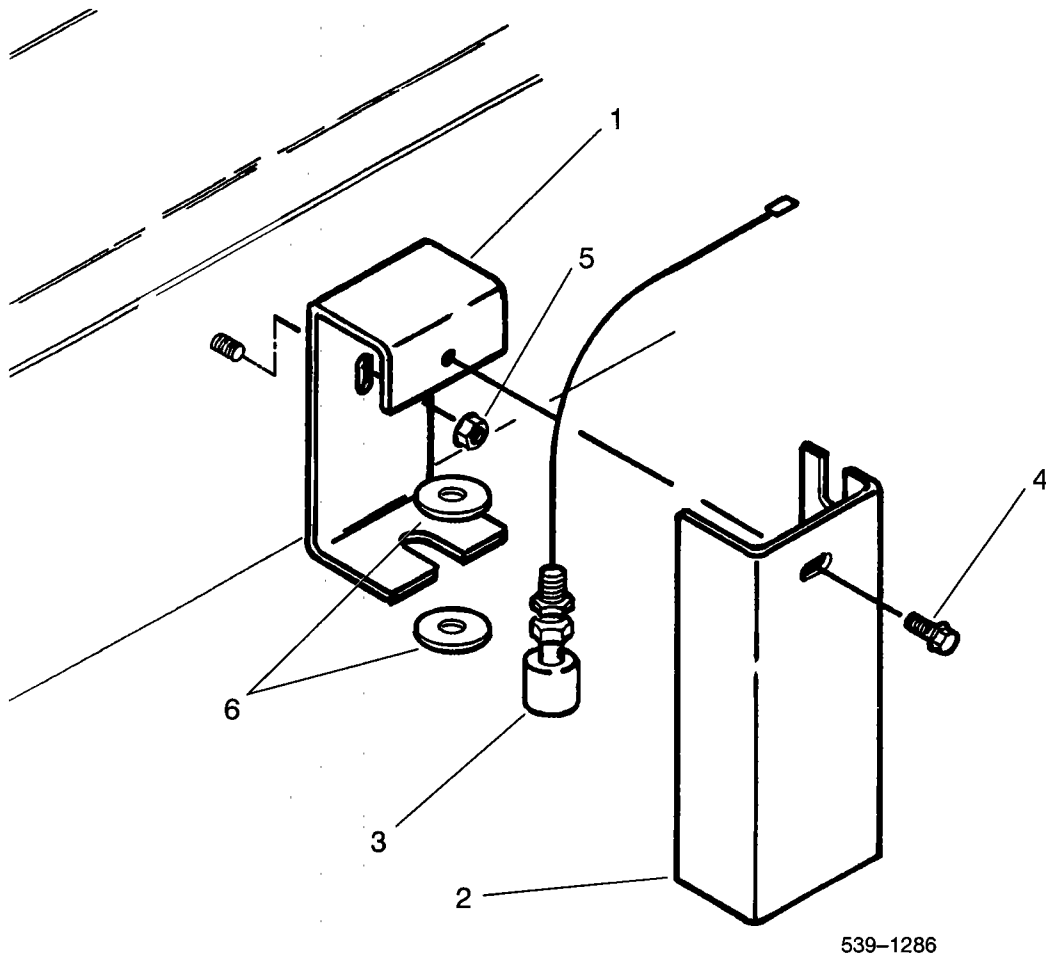
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	308-0963-01	1	Switch, Basin	4	505-1050	1	Plug, Pipe - Square Head (1-1/4")
2	505-0026	1	Coupling, Pipe (1/8")				
3	505-0890	1	Nipple, Pipe (1/8") 11-1/2" - 12 Hour Subbase Fuel Tank				
	505-1458-03	1	14-7/16" - 24 Hour Subbase Fuel Tank				

Rupture Basin



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	159-1292	1	Basin, Rupture	5	505-0055	1	Plug, Pipe (1/4")
2	870-0550-07	4	Nut, Hex - Flange (5/16-18)	6	850-0114-06	4	Washer, Lock - Spring (5/16")
3	159-1272	3	Hanger, Rupture Basin	7	526-0399-16	4	Washer, Flat (5/16")
4	159-1271	1	Hanger, Rupture Basin				

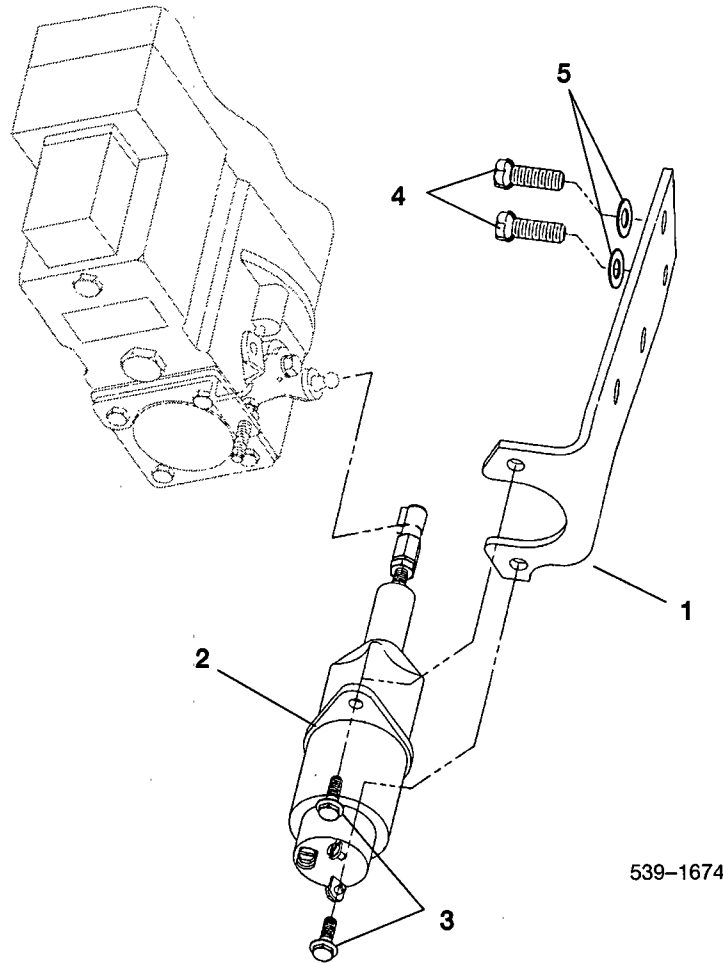
Float Switch



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-0490	1	Bracket, Mounting
2	319-0489	1	Cover, Switch
3	308-0916-01	1	Switch, Float – Basin
4	821-5002-03	1	Screw, Self-Locking – Hex Washer Head (1/4–20 x 1/2")

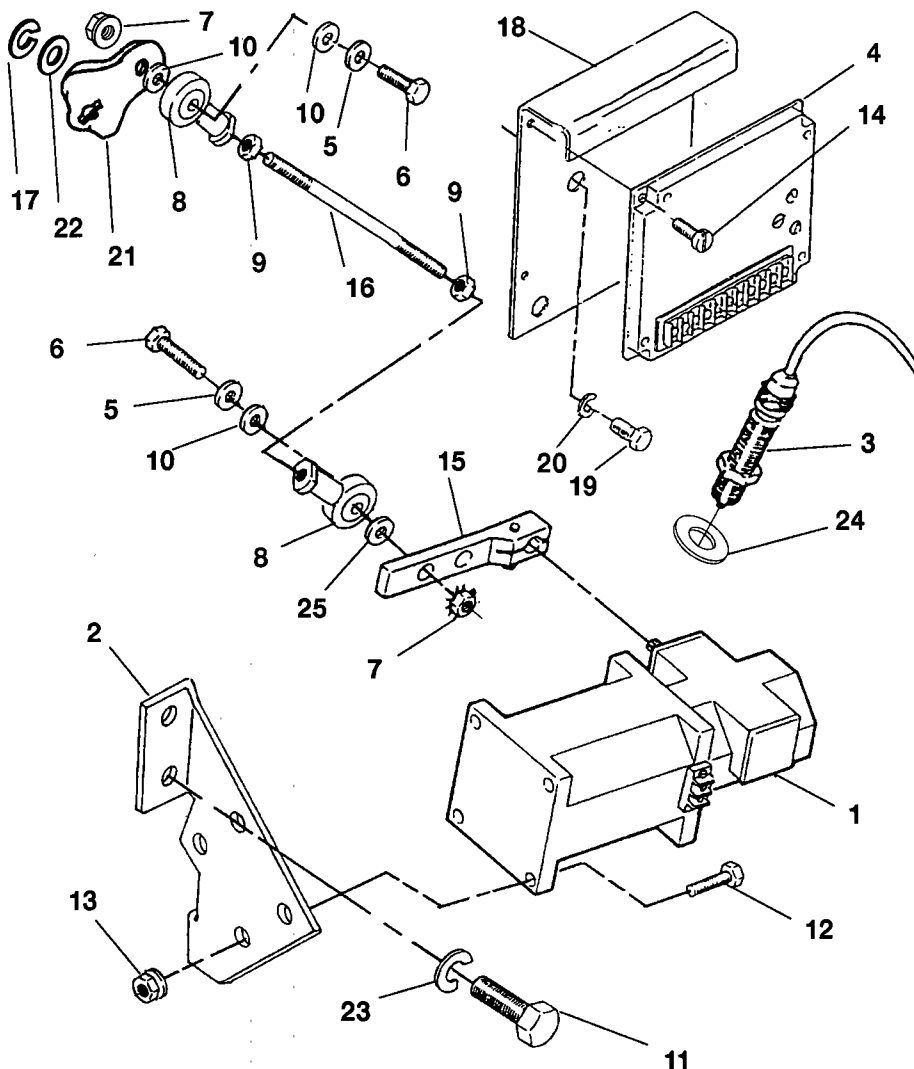
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
5	870-0257	1	Nut, Locking – Hex Flange (5/16–18)
6	526-0029	2	Washer, Flat (3/8")

Stop Solenoid



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	149-2509	1	Bracket, Mounting DGEA	3	821-2033	2	Screw, Self-Locking – Hex Washer Head (M6 x 16mm)
	149-2510	1	DGFA, DGFB	4	800-2085	2	Screw, Cap – Hex Head (M10 x 20mm)
2	149-2508-01	1	Solenoid, Stop – Fuel Pump (K1)	5	850-2010	2	Washer, Lock – Spring (M10)

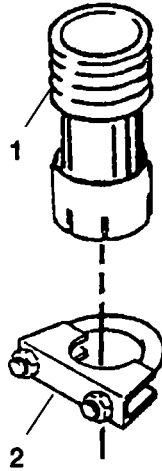
Electronic Governor



539-0980

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	151-0612	1	Actuator, Governor (24VDC)	14	813-0103	4	Screw, Machine - Round Head (#10-32 x 3/4")
2	150-2238	1	Bracket, Mounting	15	150-2203	1	Lever, Actuator
3	150-2201	1	Sensor, Speed - Magnetic	16	150-2218-03	1	Rod, Governor
4	151-0611	1	Control, Governor	17	850-2006	2	Washer, Lock - Spring (M6)
5	526-0179	2	Washer, Flat (1/16")	18	150-2007	1	Bracket, Mounting
6	815-0172	2	Screw, Machine - Hex Head (#10-32 x 1")	19	800-2110	2	Screw, Cap - Hex Head (M12 x 20mm)
7	870-0131	2	Nut, Hex - W/ET (#10-32)	20	850-2012	2	Washer, Lock - Spring (M12)
8	150-2251	2	End, Rod	21	150-2237	1	Lever, Governor
9	870-0053	2	Nut, Hex (#10-32)	22	526-2080	2	Washer, Flat (M6)
10	526-0008	3	Washer, Flat (#10)	23	850-2010	3	Washer, Lock - Spring (M10)
11	800-2085	3	Screw, Cap - Hex Head (M10 x 20mm)	24	526-0425	1	Washer, Flat (13/16" ID x 1-1/4" OD x 1/8" Thk)
12	800-0008	4	Screw, Cap - Hex Head (1/4-20 x 1-1/4")	25	526-0196	1	Washer, Flat (7/32" ID x 7/16" OD x 1/8" Thk)
13	870-0212	4	Nut, Locking (1/4-20)				

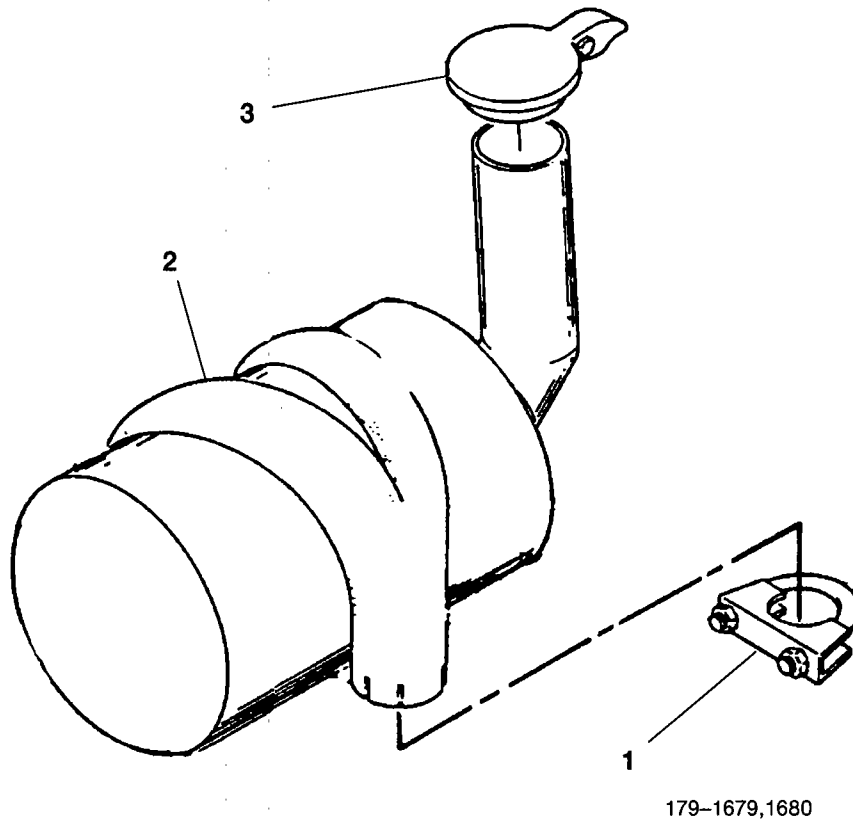
Exhaust Adapter



179-1681

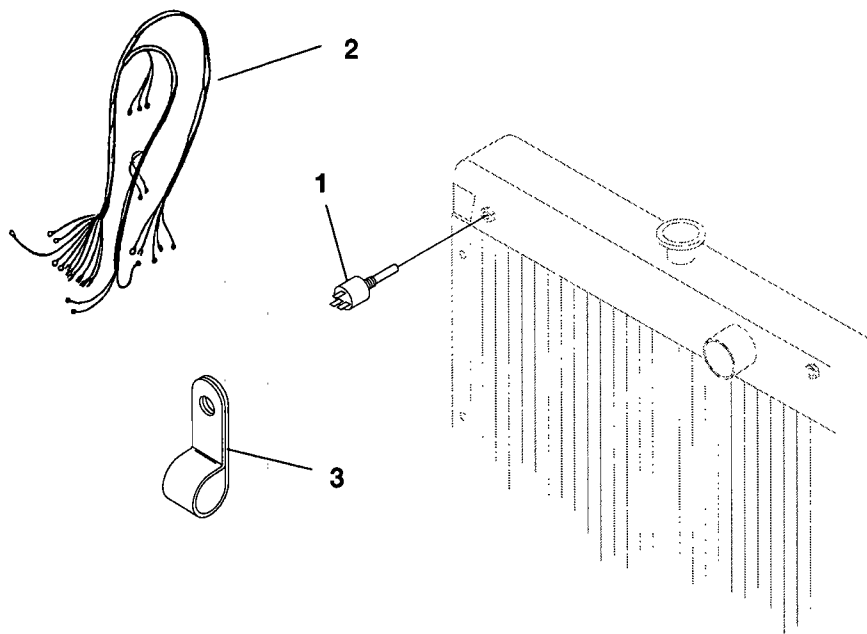
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-2304	1	Adapter, Exhaust	2	155-2305	1	Clamp, Muffler

Muffler



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-2305	1	Clamp, Muffler	3	155-2062-07	1	Cap, Rain
2	155-2306	1	Muffler DGEA				
	155-2307	1	DGFA, DGFB				

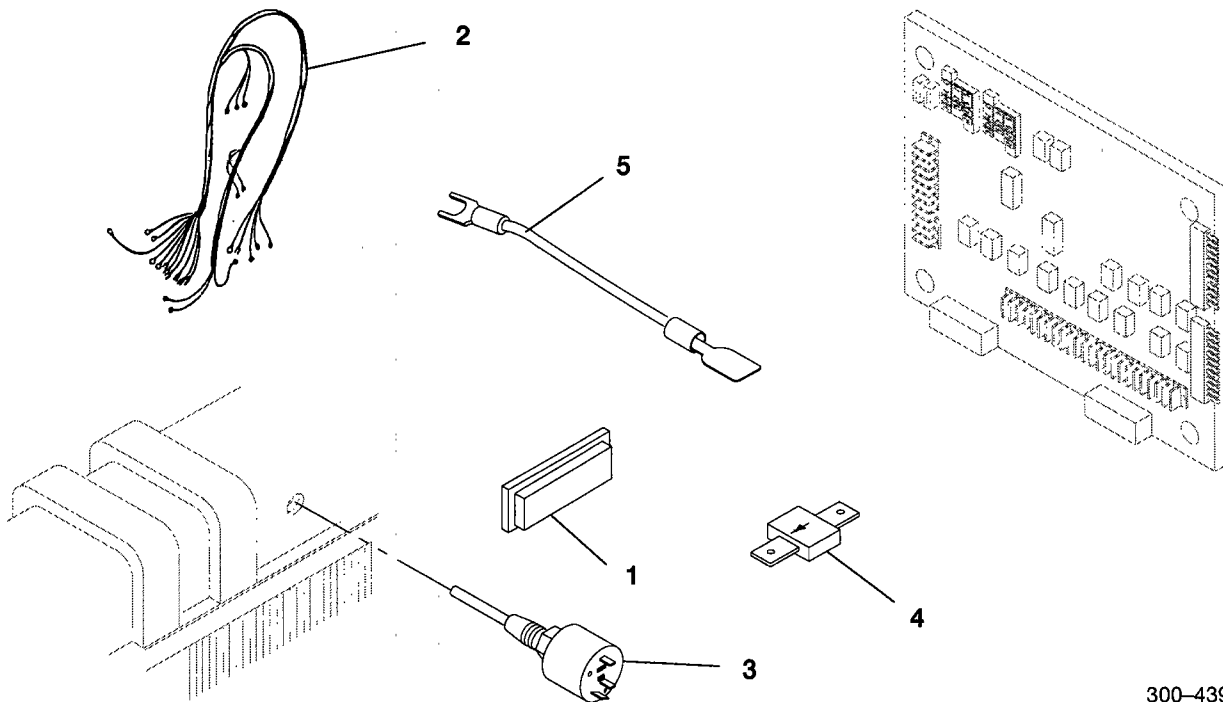
Low Coolant Level Sender Without Continuously Monitored Low Coolant Level



179-2292-01,02

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	193-0322	1	Sender, Low Coolant Level (S7)	3	518-0548-15	1	Clip, Retaining – Insulated
2	338-2928	1	Harness, Wiring (3 Wire) Shutdown (S7 to G1-GND, S7-POS, S2) (52-1/2")				
	338-2929	1	Warning (S7 to G-GND, S7-POS, S6) (66")				

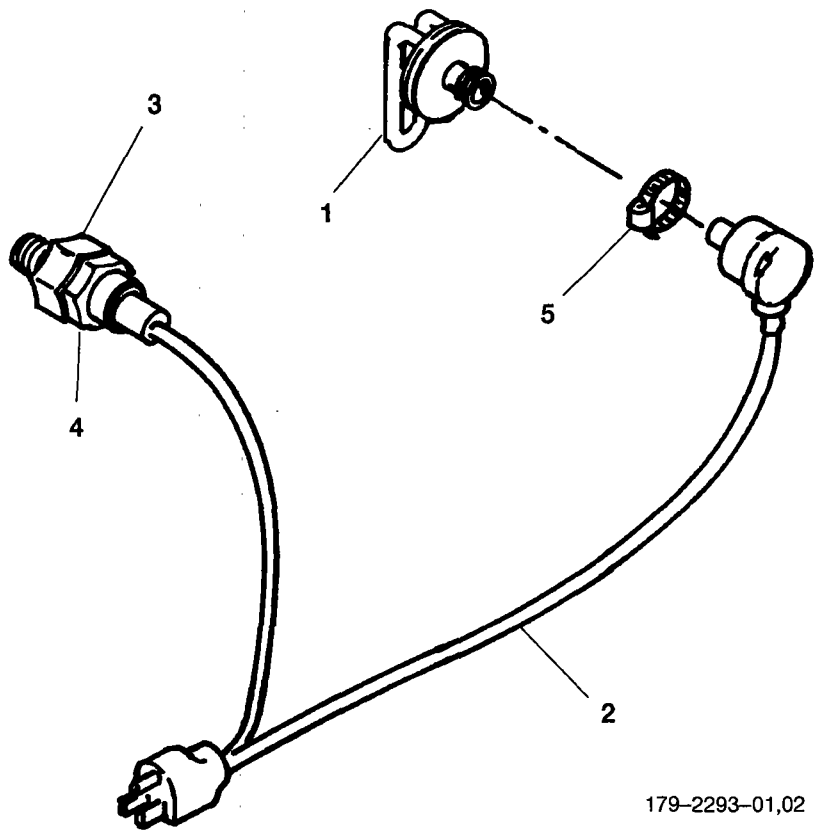
Low Coolant Level Sender With Continuously Monitored Low Coolant Level 12 Light Indicator Controls



300-4396

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	322-0463-07	1	Lens, Indicator Light (Marked "Coolant Lo")	4	357-0030	1	Diode (6 Amp)
2	338-3035-01	1	Harness, Wiring (3 Wire) (138") (S7 to A11)	5	226-4661-02	2	Lead (4") (No Markings) (A11TB2-1 to Diode and A11TB2-16 to Diode)
3	193-0322	1	Sender, Low Coolant Level (S7)				

Engine Coolant Heater



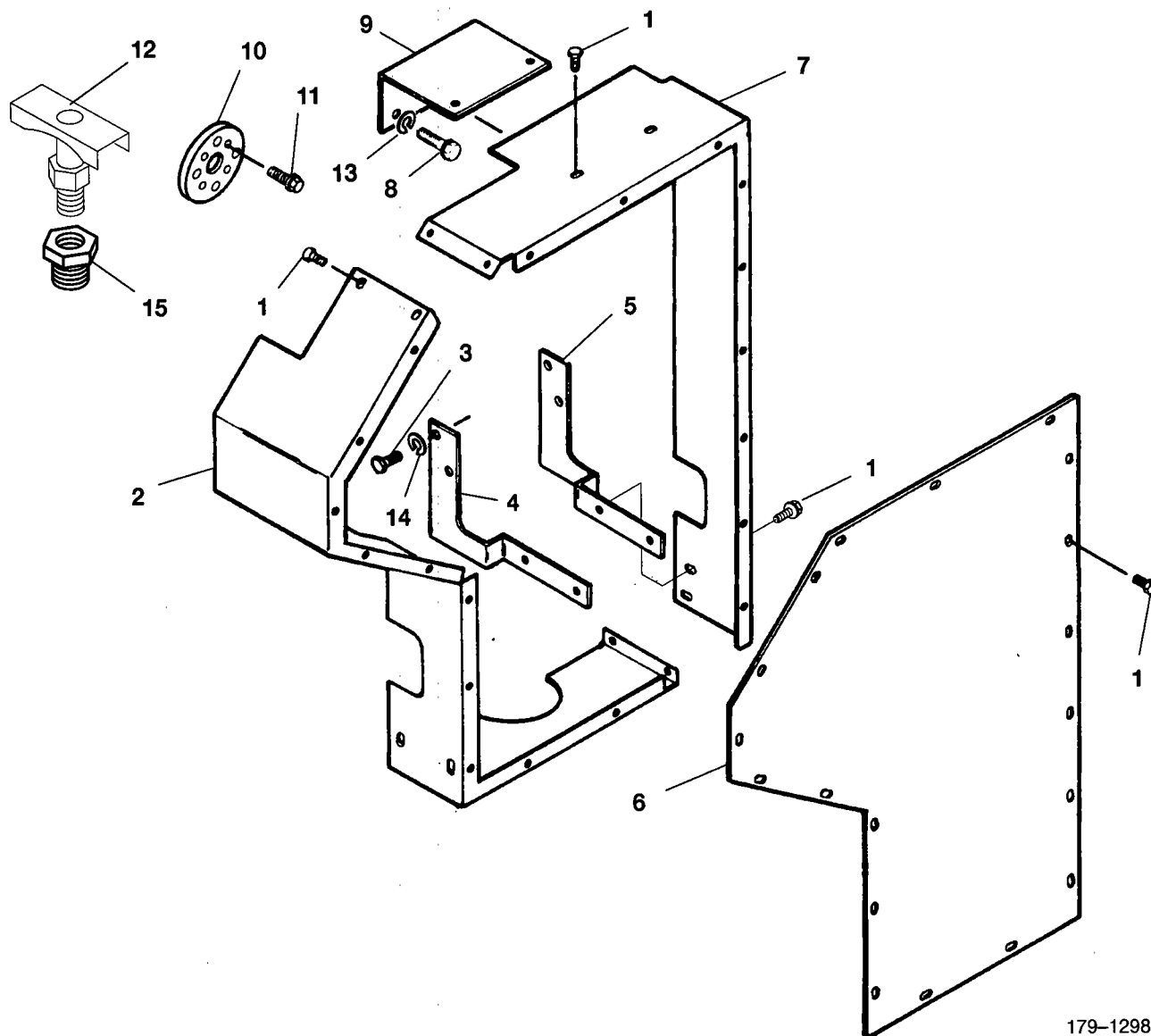
179-2293-01,02

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Heater Assembly, Engine Coolant (1500 Watts)
	333-0560-01	1	120 Volt (Includes Parts Marked *)
	333-0560-02	1	240 Volt (Includes Parts Marked #)
1			Heater
	333-0559-01	1	* 120 Volt
	333-0559-02	1	# 240 Volt
2			Harness, Wiring
	333-0475	1	* 120 Volt
	333-0476	1	# 240 Volt

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
3	333-0511	1	*#Well, Thermostat
4	333-0478	1	*#Thermostat
5	503-1139	1	*#Clamp

* - Parts Included in 333-0560-01 Engine Coolant Heater Assembly
- Parts Included in 333-0560-02 Engine Coolant Heater Assembly

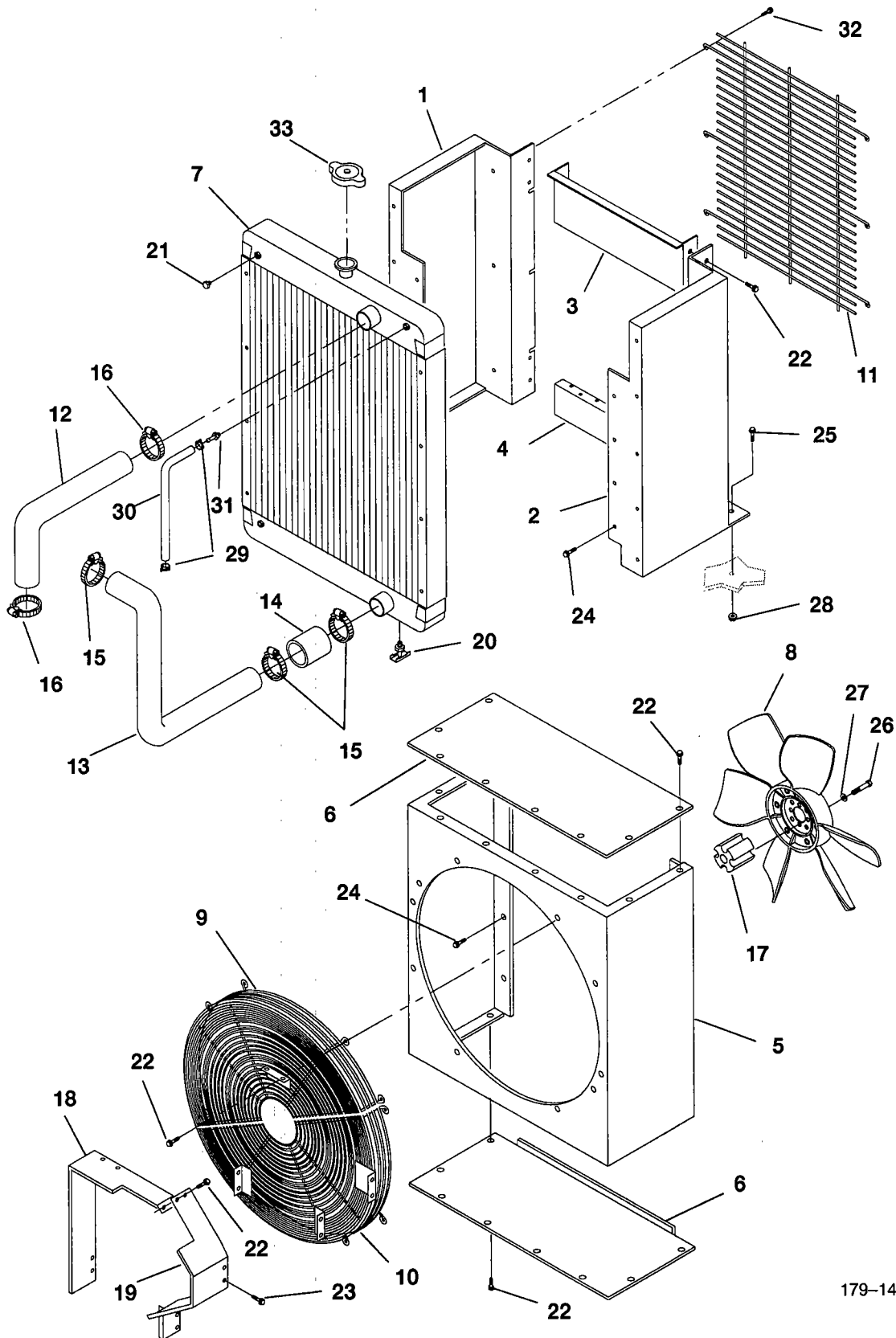
Remote Radiator



179-1298

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	821-5002-03	29	Screw, Self-Locking – Hex Washer Head (1/4-20 x 1/2")	8	800-2057	2	Screw, Cap – Hex Head (M8 x 20mm)
2	130-3244	1	Guard, Belt	9	130-3247	1	Bracket, Mounting – Belt Guard
3	800-2110	4	Screw, Cap – Hex Head (M12 x 20mm)	10	130-3582	1	Plate, Clamping
4	130-3246-01	1	Bracket, Mounting – Belt Guard (Left Side)	11	821-2061	4	Screw, Self-Locking – Hex Washer Head (M10 x 25mm)
5	130-3246-02	1	Bracket, Mounting – Belt Guard (Right Side)	12	504-0005	1	Cock, Drain
6	130-3243	1	Cover, Belt Guard	13	850-2008	2	Washer, Lock – Spring (M8)
7	130-3245	1	Guard, Belt	14	850-2012	4	Washer, Lock – Spring (M12)
				15	502-0175	1	Adapter, Pipe (1/8")

Radiator

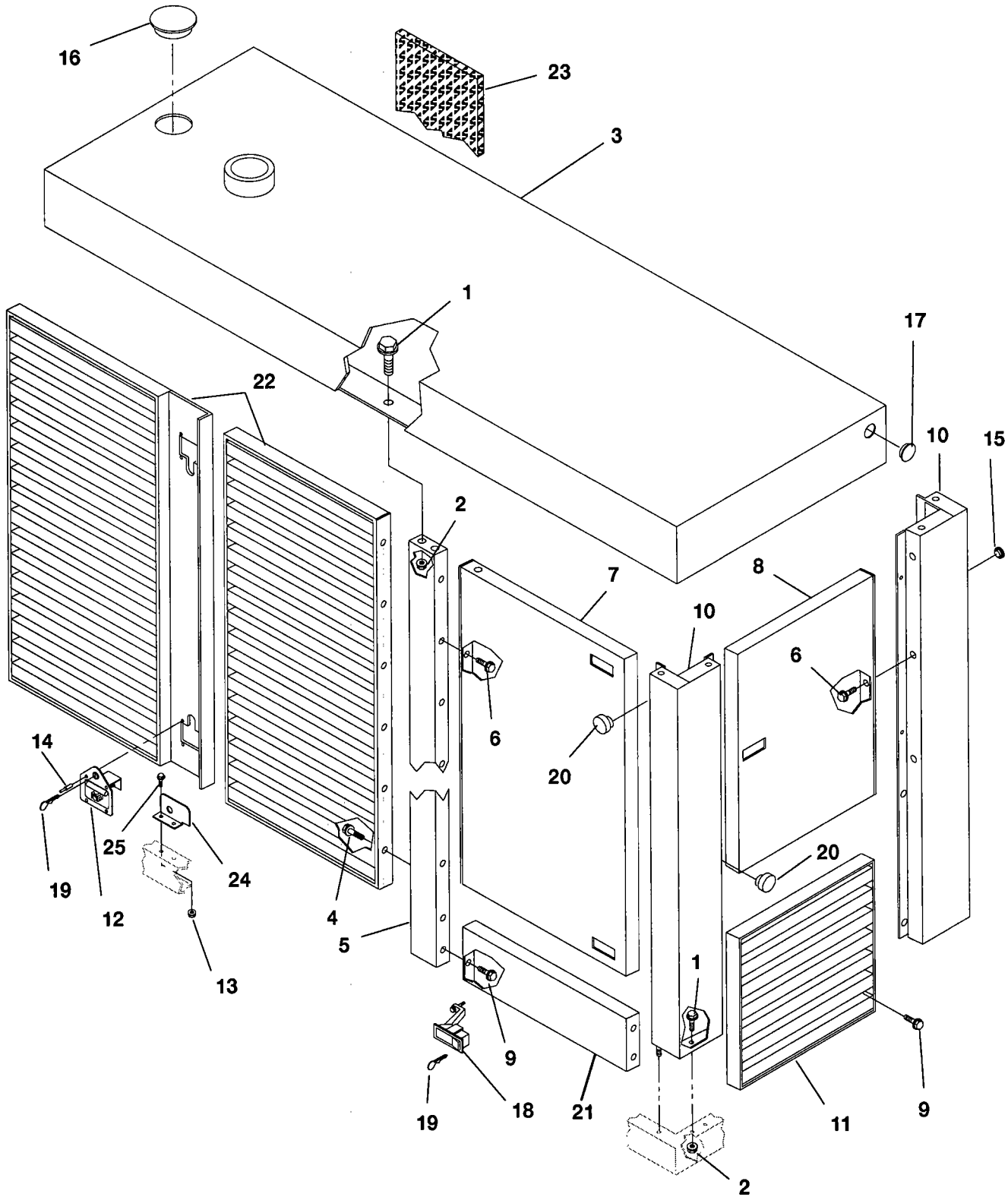


179-1419

Radiator

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-4455-01	1	Guard, Radiator – Right Side	22	821-5002-03	36	Screw, Self-Locking – Hex Washer Head (1/4-20 x 1/2")
2	130-4455-02	1	Guard, Radiator – Left Side	23	821-5002-04	8	Screw, Self-Locking – Hex Washer Head (1/4-20 x 5/8")
3	130-3203	1	Support, Grille – Upper	24	821-5004-01	24	Screw, Self-Locking – Hex Washer Head (3/8-16 x 1/2")
4	130-3204	1	Support, Grille – Lower	25	821-5004-02	6	Screw, Self-Locking – Hex Washer Head (3/8-16 x 3/4")
5	130-3205	1	Wrapper, Fan Shroud	26	800-2096	4	Screw, Cap – Hex Head (M10 x 75mm)
6	130-3206	2	Shroud, Fan	27	526-2120	4	Washer, Flat (M10)
7	130-3207	1	Radiator	28	870-0281	6	Nut, Hex – Locking (3/8-16)
8	130-3208	1	Fan, Radiator (6 Blade)	29	503-0446	2	Clamp, Hose
9	130-3209-01	1	Guard, Fan – Right Side (Top)	30	503-1408-01	1	Hose, Radiator (3/8" ID x 28")
10	130-3209-02	1	Guard, Fan – Left Side (Bottom)	31	502-1162	1	Connector, Hose (1/4" Pipe to 3/8" Hose)
11	130-4453	1	Grille	32	821-5003-01	6	Screw, Self-Locking – Hex Washer Head (5/16-18 x 1/2")
12	503-1981	1	Hose, Radiator – Upper	33	130-1788	1	Cap, Radiator
13	130-3212	1	Tube, Radiator – Lower				
14	503-1554	1	Hose, Radiator – Lower (4")				
15	503-0365	3	Clamp, Hose				
16	503-0465	2	Clamp, Hose				
17	130-3216	1	Spacer, Fan				
18	130-3217	1	Guard, Belt – Right Side				
19	130-3218	1	Guard, Belt – Left Side				
20	504-0003	1	Cock, Drain (1/4")				
21	502-0153	2	Plug, Pipe – Hex Head (1/4")				

Housing

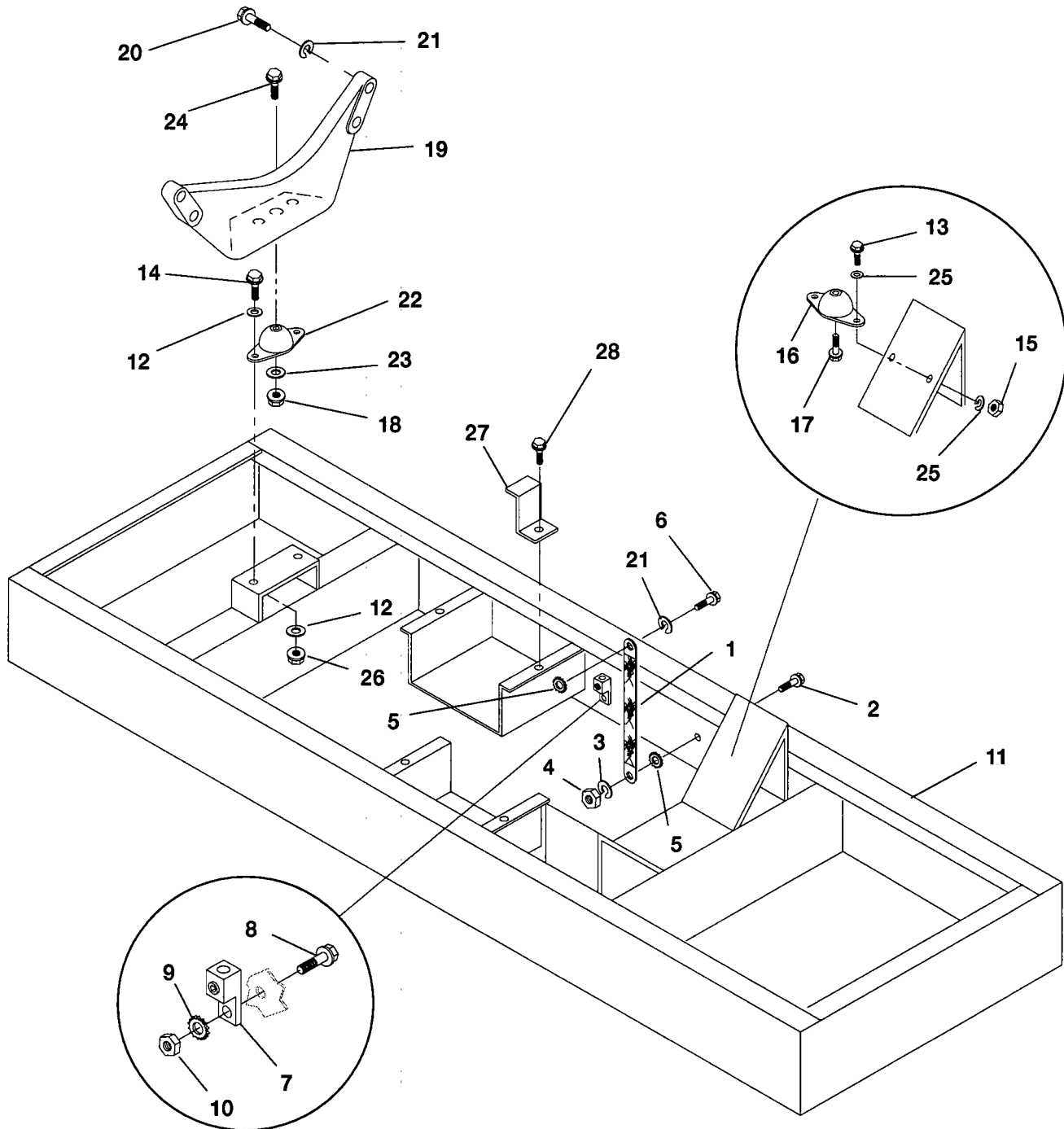


405-5348

Housing

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	821-5004-02	20	Screw, Self-Locking – Hex Washer Head (3/8–16 x 3/4")	11	405-5386	1	Grille – Rear
2	870-0281	22	Nut, Hex – Locking (3/8–16)	12	406-0807	4	Latch (Includes Key)
3	405-5360	1	Top	13	870-0212	4	Nut, Hex – Locking (1/4–20)
4	815-0236	20	Screw, Hex Head – Thread Forming (5/16–18 x 5/8")	14	818-0231-02	16	Rivet
5			Post, Housing – Center	15	508-0231	2	Bumper, Door
	405-5349	1	Right Side	16	517-0138-09	1	Plug, Hole (Fits 2–1/2" Hole)
	405-5350	1	Left Side	17	517-0135	2	Plug, Hole (Fits 5/8" Hole)
6	815-0137	13	Screw, Hex Head – Thread Forming (1/4–20 x 5/8")	18	406-0765-01	5	Latch (Includes Key)
7	405-5355	2	Door, Control – Sides	19	406-0782	9	Key, Latch
8	405-5384	1	Door, Control – Rear	20	405-4932	6	Bumper, Door
9	821-5003-01	12	Screw, Self-Locking – Hex Washer Head (5/16–18 x 1/2")	21	405-5357	2	Panel, Side
10			Post, Housing – Rear	22			Door, Grille – Sides
	405-5353	1	Right Side		405-3962	2	With Latch Openings
	405-5354	1	Left Side		405-3961	2	Without Latch Openings
				23	128-0116	1	Insulation, Foam
				24	405-3980	2	Stop, Door
				25	821-0018	4	Screw, Self-Locking – Hex Washer Head (1/4–20 x 5/8")

Skid

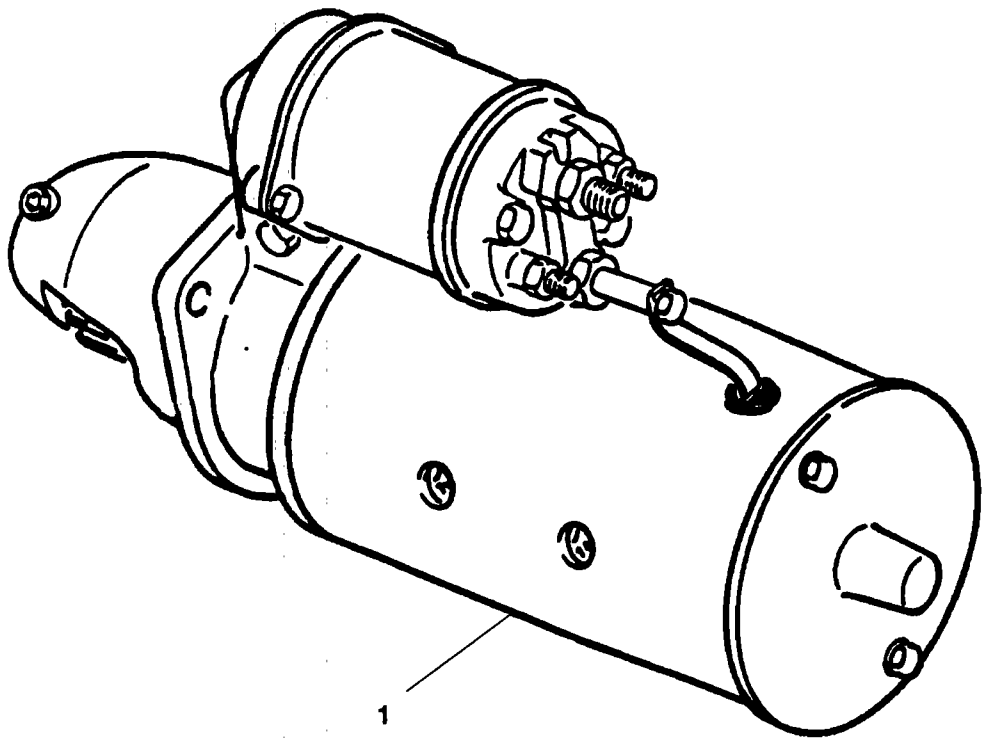


403-3912

Skid

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	337-0090	1	Strap, Ground	16	402-0568	2	Cushion, Vibration – Generator End
2	800-0091	1	Screw, Cap – Hex Head (1/2-13 x 1-1/4")	17	800-0520	2	Screw, Cap – Hex Head (3/4-10 x 1")
3	850-0060	1	Washer, Lock – Spring (1/2")	18	862-0007	1	Nut, Hex (5/8-11)
4	862-0016	1	Nut, Hex (1/2-13)	19	403-3605	1	Support, Engine
5	856-0013	2	Washer, Lock – W/EIT (1/2")	20	800-2124	4	Screw, Cap – Hex Head (M12 x 90mm)
6	800-2111	1	Screw, Cap – Hex Head (M12 x 25mm)	21	850-2012	5	Washer, Lock – Spring (M12)
7	332-1473	1	Lug, Solderless	22	402-0674	1	Cushion, Vibration – Engine End
8	800-0026	1	Screw, Cap – Hex Head (5/16-18 x 3/4")	23	526-0259	1	Washer, Flat (5/8")
9	856-0008	1	Washer, Lock – W/EIT (5/16")	24	800-0599-05	1	Screw, Cap – Hex Head (5/8-11 x 2")
10	870-0257	1	Nut, Hex – Locking (5/16-18)	25	526-0249	8	Washer, Flat (7/16")
11	403-3904	1	Skid	26	870-0531-04	2	Nut, Hex – Locking (1/2-13)
12	526-0219	4	Washer, Flat (17/32")	27	416-0850	4	Bracket, Retainer – Battery
13	800-0605	4	Screw, Cap – Hex Head (7/16-14 x 1-1/4")	28	800-0048	4	Screw, Cap – Hex Head (3/8-16 x 3/4")
14	800-0558	2	Screw, Cap – Hex Head (1/2-13 x 1-1/2")				
15	870-0531-03	4	Nut, Hex – Locking (7/16-14)				

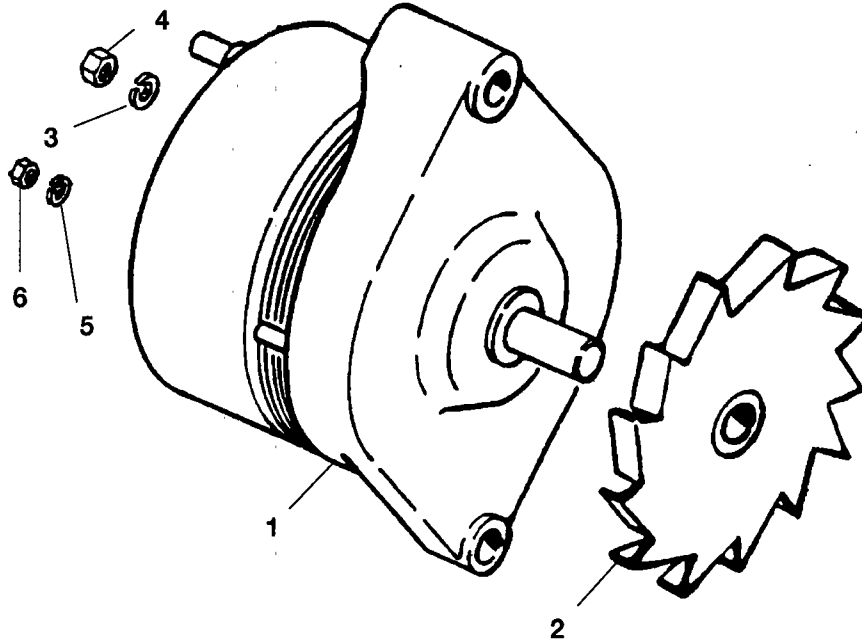
Starter



179-2645-02

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	191-2038	1	Starter - 24 VDC				

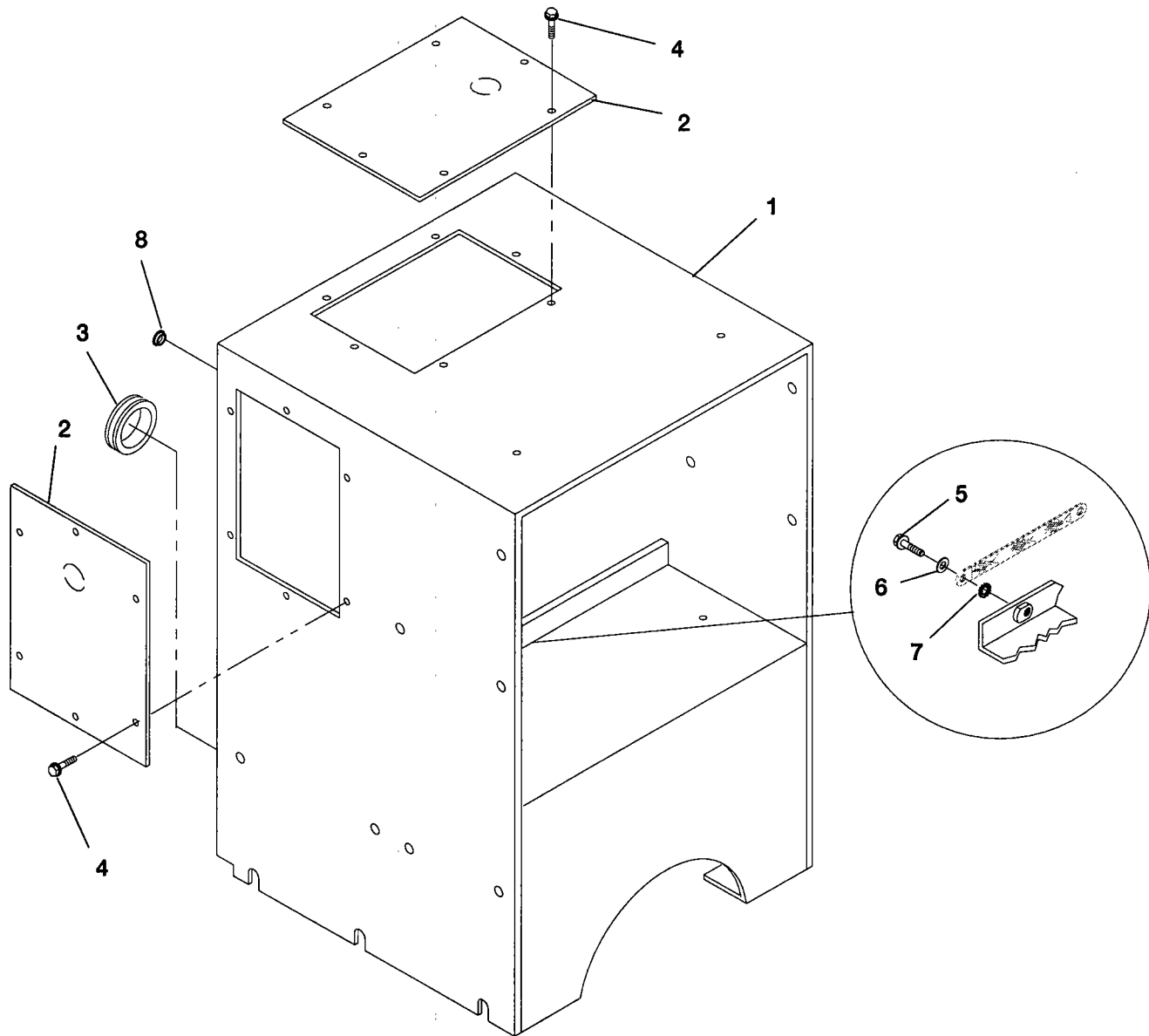
Alternator



179-2644-02

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	191-1983-02	1	Alternator - 24 VDC	3	850-2008	1	Washer, Lock - Spring (M8)
	191-2121	1	Regulator, Voltage - Alternator (Included With Alternator) (Not Illustrated)	4	860-2008	1	Nut, Hex (M8)
				5	850-2005	2	Washer, Lock - Spring (M5)
2	191-1981	1	Fan, Alternator	6	860-2006	2	Nut, Hex (M5)

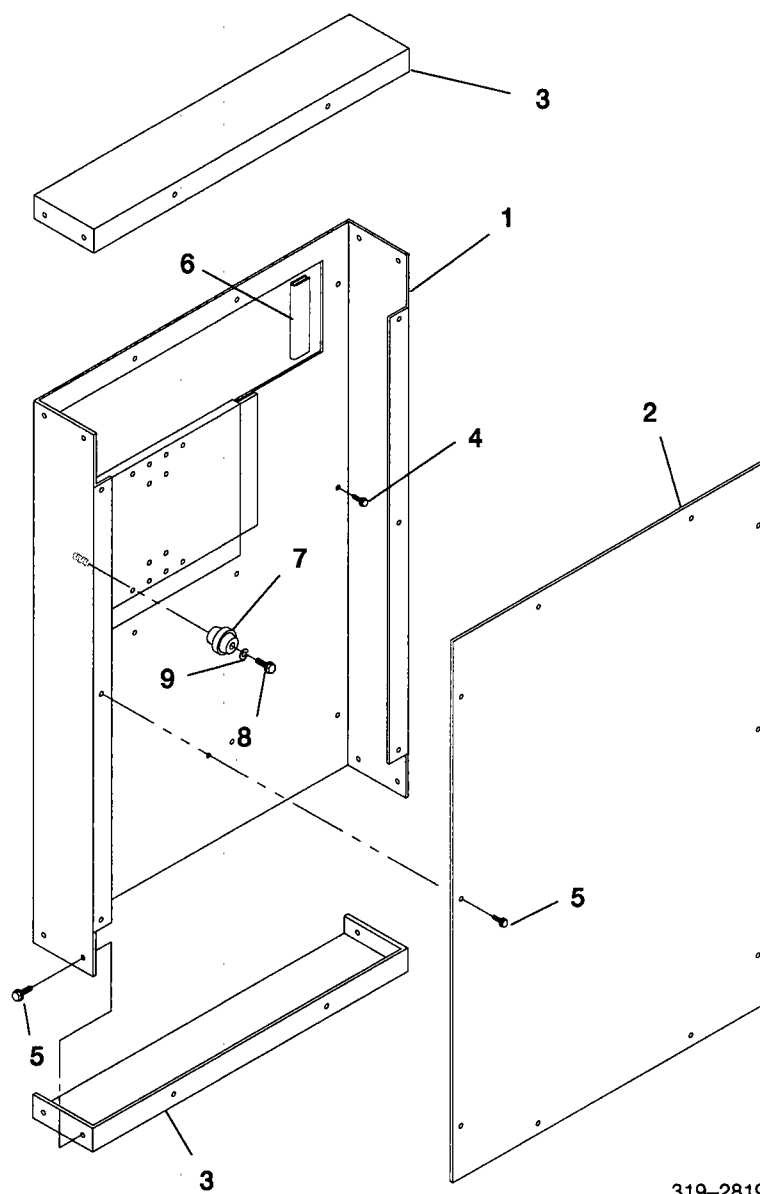
Control Housing



300-3873

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-1193	1	Box, Mounting	5	821-0018	1	Screw, Self-Locking – Hex Washer Head (1/4-20 x 5/8")
2	319-0077	3	Panel	6	526-0018	1	Washer, Flat (1/4")
3	508-1057	1	Grommet	7	856-0006	1	Washer, Lock – EIT (1/4")
4	815-0350	18	Screw, Self-Locking – Hex Washer Head – Slotted (#10-32 x 3/8")	8	517-0135	1	Plug, Hole (Fits 5/8" Hole)

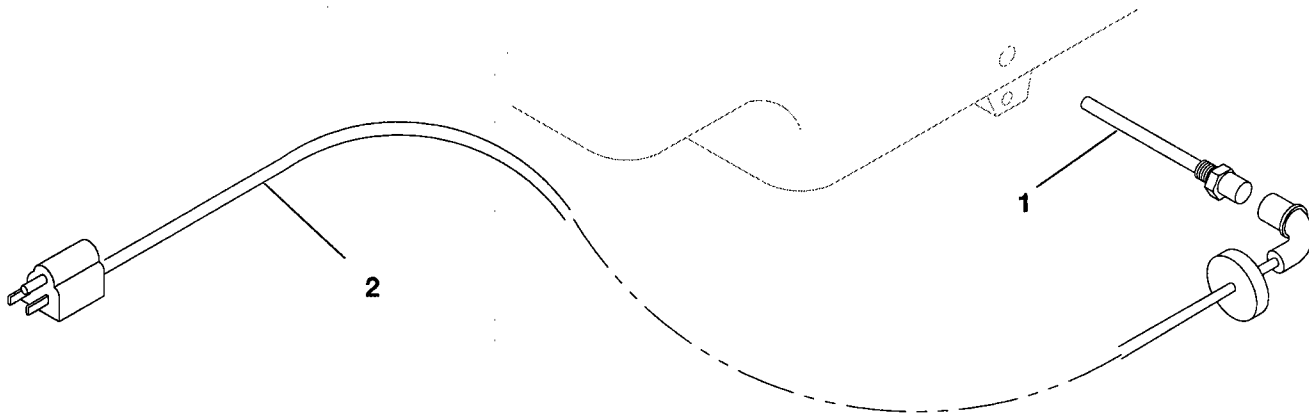
Entrance Box



319-2819

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-2422	1	Box, Entrance	6	508-0305-02	-	Edging - Bulk (Order By The Foot - 1 Foot Required)
2	319-2425-01	1	Cover, Box	7	332-2744-07	1	Standoff, Insulator
3	319-2426	2	Cover, Box	8	800-0047	1	Screw, Cap - Hex Head (3/8-16 x 5/8'')
4	821-0040	8	Screw, Self-Locking - Hex Washer Head (#10-32 x 5/16'')	9	850-0050	1	Washer, Lock - Spring (3/8'')
5	821-0010	20	Screw, Self-Locking - Hex Washer Head (1/4-20 x 1/2'')				

Oil Heater

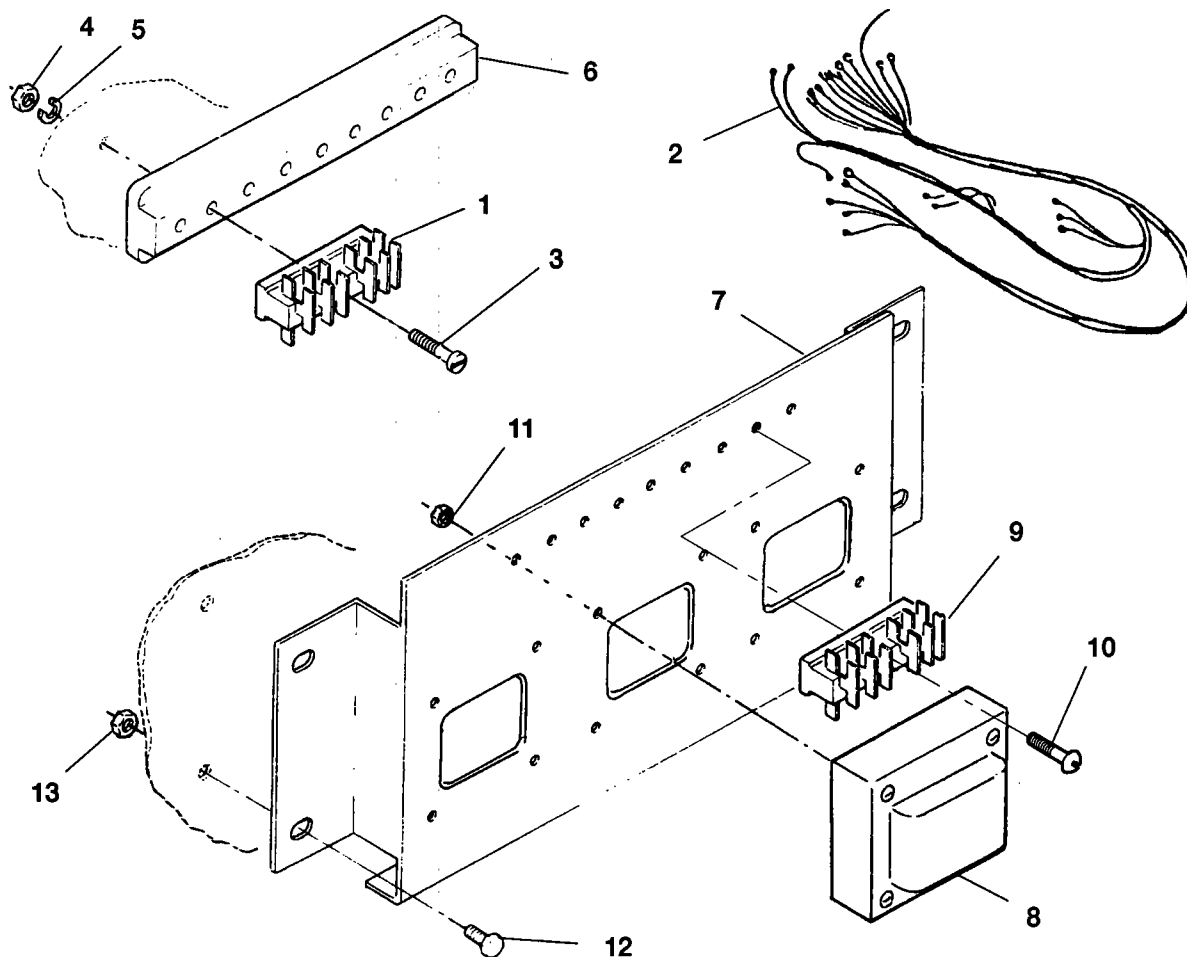


179-2283

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Heater, Oil (150 Watt)
	333-0429-01	1	120 Volt
	333-0429-02	1	240 Volt

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
2			Cable, Oil Heater (72")
	335-0168-01	1	120 Volt
	335-0168-02	1	240 Volt

Auxiliary Terminal Block

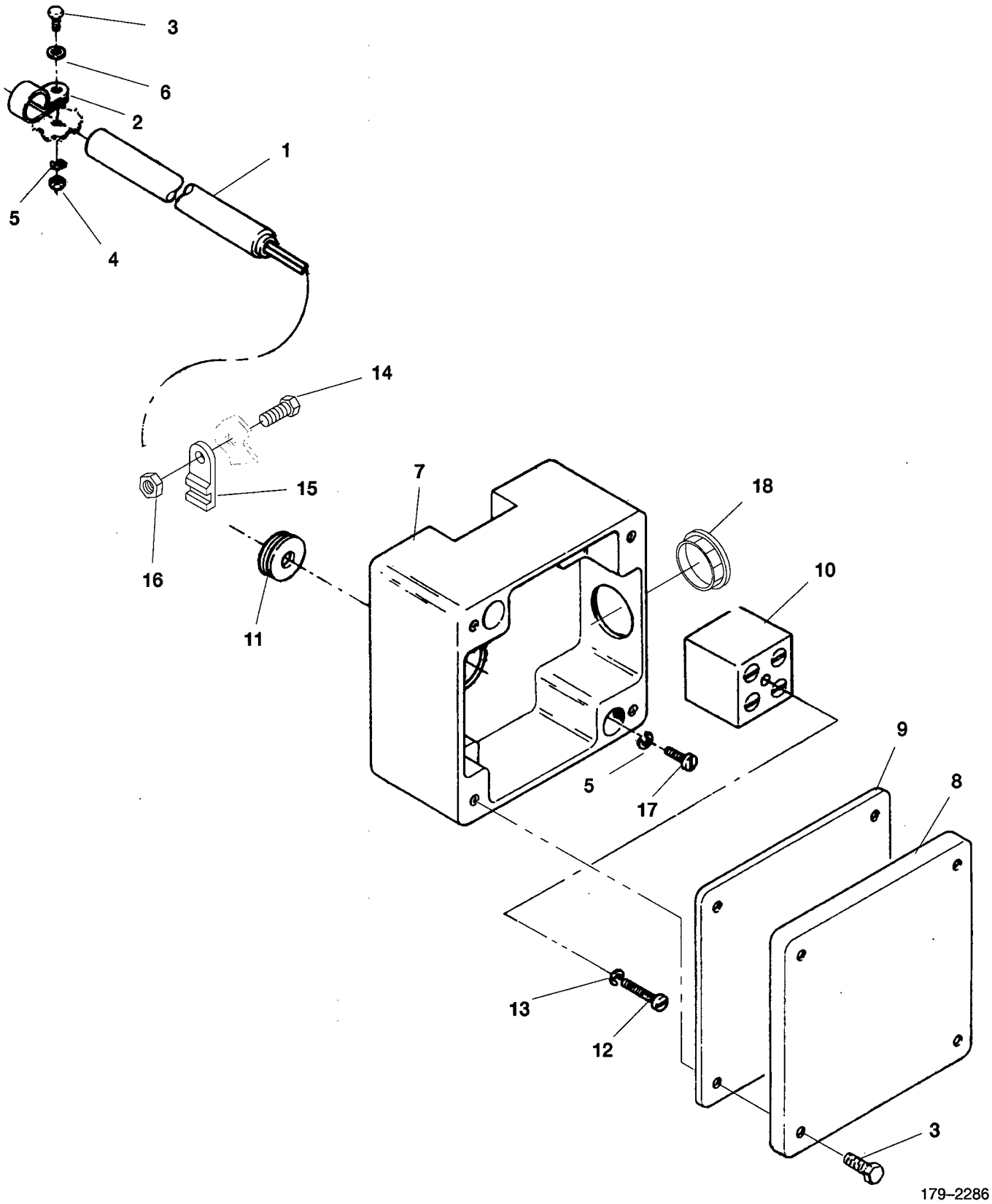


539-1075

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-3007	3	Block, Terminal	9	332-3007	3	*Block, Terminal
2			Harness, Wiring	10	812-0079	2	*Screw, Machine – Round Head
	338-2506	1	190-240, 380-480 Volt, 12				(#8-32 x 1/2")
			Lead Reconnectable	11	870-0221	12	*Nut, Hex – W/ET (#8-32)
			Generator	12	821-0016	4	Screw, Self-Locking – Hex
	338-2796	1	240-480 DELTA, 600 Volt				Washer Head (5/16-18 x 3/4")
			WYE Generator	13	870-0257	4	Nut, Self-Locking – Hex
3	812-0085	3	Screw, Machine – Round Head				Washer Head (5/16-18)
			(#8-32 x 1-1/8")				
4	870-0221	3	Nut, Hex – W/ET (#8-32)				
5	850-0025	3	Washer, Lock – Spring (#8)				
6	232-3536	1	Base, Terminal Block				
7	319-1498	1	*Bracket, Mounting –				
			Transformer				
8			*Transformer (PTW,PTV,PTU)				
			240/480 Volt DELTA				
	315-0717-01	2	PTW, PTU Position				
	315-0717	1	PTV Position				
	315-0717	3	600 Volt WYE				

* – Parts Not Used on 190-240, 380-480 Volt, 12 Lead Reconnectable Generator Application

Generator Heater

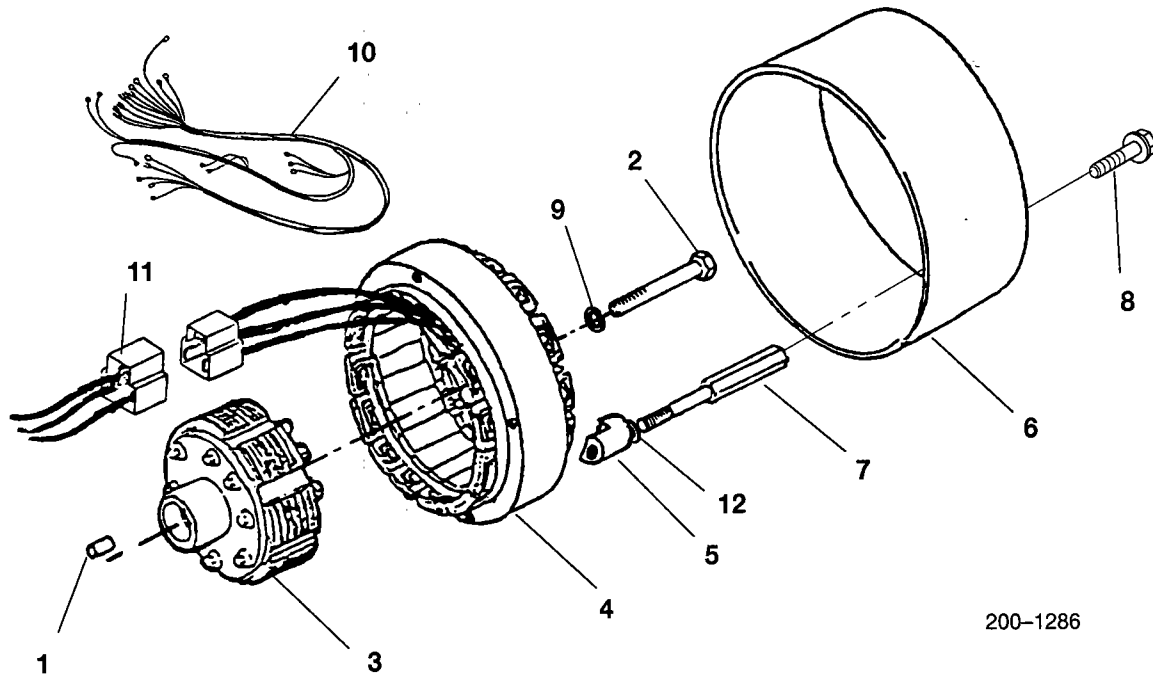


179-2286

Generator Heater

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Cartridge, Heater	10	332-3023	1	Block, Terminal
	333-0438-07	1	120 Volt	11	508-0228	1	Grommet
	333-0438-08	1	240 Volt	12	822-3047	1	Screw, Machine – Pan Head (M3 x 20mm)
2	332-3024-11	2	Clamp, Loop	13	850-2003	1	Washer, Lock – Spring (M3)
3	822-3075	6	Screw, Machine – Pan Head (M4 x 16mm)	14	800-3034	1	Screw, Cap – Hex Head (M4 x 12mm)
4	860-2005	2	Nut, Hex (M4)	15	332-3228	1	Mount, Cable Tie
5	850-2004	4	Washer, Lock – Spring (M4)	16	870-2064-01	1	Nut, Hex (M4)
6	526-2050	2	Washer, Flat (M4)	17	815-0792-04	2	Screw, Pan Head (M4 x 12mm)
7	330-0142	1	Box, Terminal	18	517-0021	1	Plug, Dot Button
8	330-0141-03	1	Cover, Terminal Box				
9	330-0141-04	1	Gasket, Terminal Box				

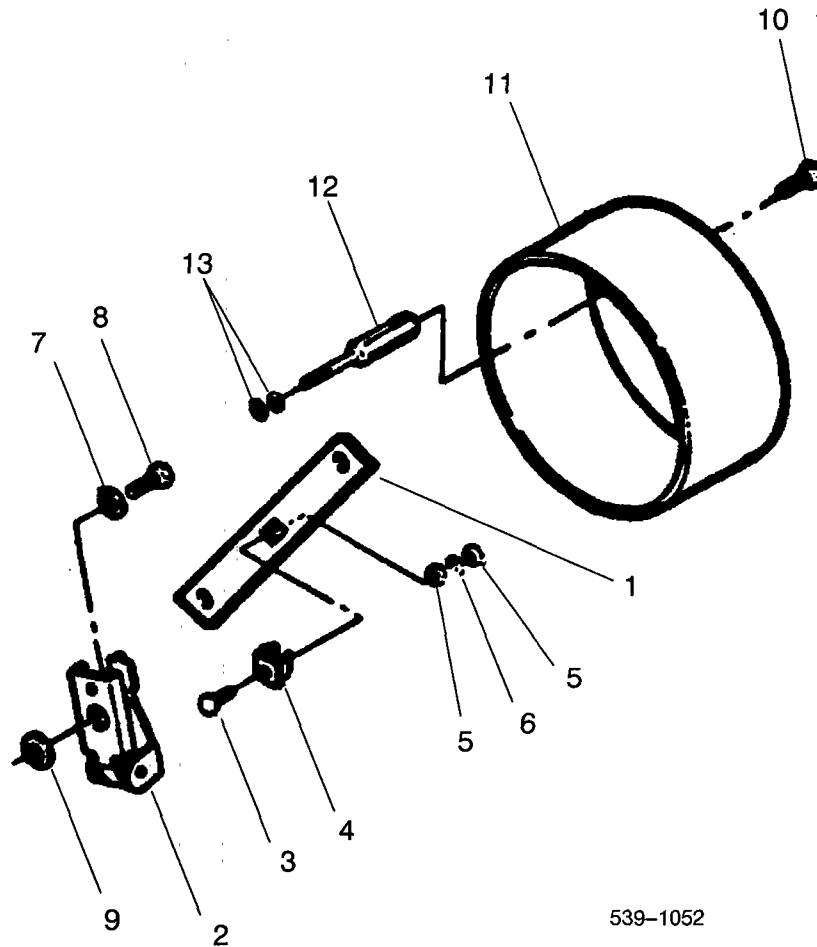
Permanent Magnet Exciter



200-1286

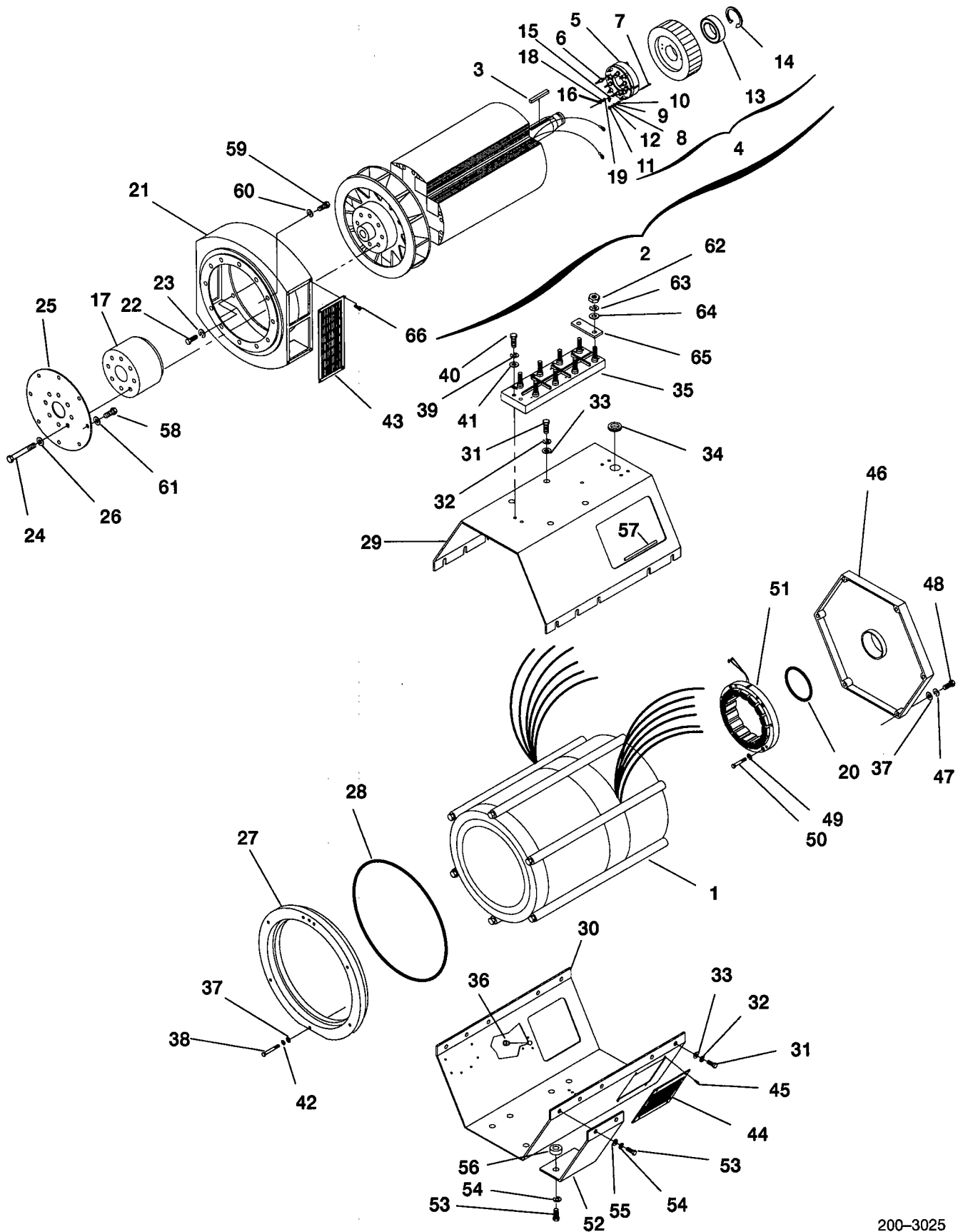
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	775-0049	1	Pin, Dowel	9	850-2010	1	Washer, Lock - Spring (M10)
2	815-0761-01	1	Bolt, Hex Head (M10 x 90mm)	10	338-3149	1	Harness, Wiring (AUX-P2,P3,P4 to VR21-P2,P3,P4) (3 Wire) (40")
3	201-3446	1	Rotor	11	338-3265	1	Harness, Wiring (P2,P3,P4 to P2,P3,P4) (3 Wire) (30")
4	220-4233	1	Stator	12	850-2006	4	Washer, Lock - Spring (M6)
5	232-3511	4	Clamp				
6	234-0875-02	1	Cover, End Bell				
7	232-3462-02	4	Spacer				
8	821-2020	4	Screw, Self-Locking - Hex Washer Head (M5 x 10mm)				

Overspeed Switch



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	150-2309	1	Bracket, Mounting – Overspeed	9	526-0240	1	Washer, Flat (13/32" ID x 1-1/2" OD x 1/8" Thk)
2	150-0956	1	Switch, Overspeed (S3)	10	821-2020	4	Screw, Self-Locking – Hex Washer Head (M5 x 10mm)
3	150-0723	1	Point, Overspeed	11	234-0875-01	1	Cover, End Bell
4	870-0250	1	Nut, Insulated	12	232-3462-01	4	Spacer, Cover
5	862-0001	2	Nut, Hex (1/4-20)	13	526-2080	4	Washer, Flat (M6)
6	853-0013	1	Washer, Lock – W/ET (1/4")				
7	856-0010	1	Washer, Lock – W/EIT (3/8")				
8	800-2088	1	Screw, Cap – Hex Head (M10 x 35mm)				

Generator



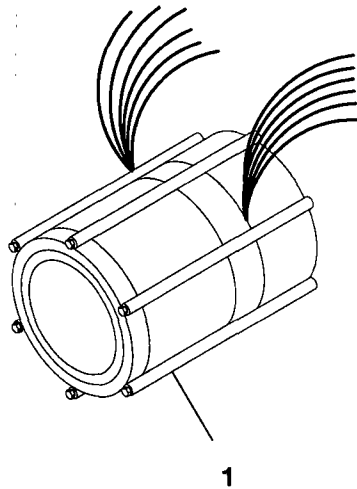
200-3025

Generator

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	-	1	Stator, Generator (See Separate Page for Part Numbers)	31	800-3017-54	10	Screw, Cap - Hex Head (M12 x 30mm)
2			Rotor Assembly, Generator (Includes Parts Marked *)	32	850-0114-56	10	Washer, Lock - Spring (M12)
	201-3497-03	1	230mm Stack Length	33	526-0399-64	10	Washer, Flat (M12)
	201-3497-04	1	285mm Stack Length	34	508-1057	1	Grommet
	201-3497-05	1	335mm Stack Length	35	232-3421	1	Block, Terminal
	201-3497-06	1	375mm Stack Length	36	517-0135	1	Plug, Hole
3	515-0298-03	1	*Key, Exciter Rotor	37	526-0423	12	Washer, Flat (13/32" ID x 1-1/4" OD x 1/4" Thk)
4	201-3434-03	1	*Rotor Assembly, Exciter (Includes Parts Marked #)	38	800-3017-38	6	Screw, Cap - Hex Head (M10 x 30mm)
5			*#Rectifier Assembly (Includes Parts Marked +)	39	850-2008	3	Washer, Lock - Spring (M8)
	357-0091	1	Forward (With Positive Diode)	40	800-2060	3	Screw, Cap - Hex Head (M8 x 35mm)
	357-0092	1	Reverse (With Negative Diode)	41	526-2100	3	Washer, Flat (M8)
6			*#+Diode	42	850-0114-55	6	Washer, Lock - Spring (M10)
	358-0135-01	3	Positive	43	234-0867	2	Guard, Fan - Generator
	358-0135-02	3	Negative	44	234-0879	2	Screen, Air Inlet
7	800-3009	3	*#+Screw, Cap - Hex Head (M4 x 35mm) (CR1,2,3,4,5,6)	45	821-6001-02	8	Screw, Self-Locking - Hex Washer Head (M5 x 12mm)
8	860-2005	3	*#+Nut, Hex (M4)	46	211-0423	1	Bell, End
9	850-2004	3	*#+Washer, Lock - Spring (M4)	47	850-0114-55	6	Washer, Lock - Spring (M10)
10	526-2050	3	*#+Washer, Flat (M4)	48	800-3017-38	6	Screw, Cap - Hex Head (M10 x 30mm)
11	870-2064-01	6	*#Nut, Locking - Nylon (M4)	49	850-2006	4	Washer, Lock - Spring (M6)
12	526-2050	6	*#Washer, Flat (M4)	50	800-2046	4	Screw, Cap - Hex Head (M6 x 80mm)
13	510-0164	1	*Bearing, Ball	51	220-4293-06	1	Stator, Exciter
14	518-0083	1	*Ring, Retaining	52	232-3454	2	Bracket, Mounting - Generator Foot
15	304-0807	1	*Varistor	53	800-3017-55	8	Screw, Cap - Hex Head (M12 x 35mm)
16	860-2006	2	*Nut, Hex (M5)	54	850-0114-56	8	Washer, Lock - Spring (M12)
17	232-3695	1	*Hub, Drive - Generator	55	526-0399-64	4	Washer, Flat (M12)
18	850-2005	2	*Washer, Lock - Spring (M5)	56	232-3730-04	4	Spacer, Mounting Foot
19	526-2060	2	*Washer, Flat (M5)	57	508-0305-02	-	Edging - Bulk (Order By The Foot - 5 Feet Required)
20	509-0266-02	1	O-Ring	58	805-0018	8	Bolt, Place (3/8-16 x 1")
21	231-0317	1	Adapter, Generator	59	800-2088	12	Screw, Cap - Hex Head (M10 x 35mm)
22			Screw, Cap - Hex Head	60	850-2010	12	Washer, Lock - Spring (M10)
	800-3017-42	5	M10 x 50mm	61	526-0174	8	Washer, Flat (3/8")
	800-3017-44	1	M10 x 60mm (12 O'Clock Position)	62	860-2009	8	Nut, Hex (M10)
23	850-0114-55	6	Washer, Lock - Spring (M10)	63	850-2010	8	Washer, Lock - Spring (M10)
24	720-1119	8	Screw, Cap - Hex Head (M16 x 40mm)	64	526-2120	8	Washer, Flat (M10)
25	232-3699	3	Disc, Drive - Generator	65	332-2987	4	Link, Terminal
26	526-0259	8	Washer, Flat (5/8") Hardened	66	821-6001-01	8	Screw, Self-Locking - Hex Washer Head (M5 x 10mm)
27	231-0319	1	Adapter, Generator Stator				
28	508-0139	-	Seal, Edging - Bulk (Order By The Foot - 3 Feet Required)				
29			Cover, Stator - Top				
	234-0937-02	1	230, 285mm Stack Length				
	234-0937-03	1	335mm Stack Length				
	234-0937-04	1	375mm Stack Length				
30			Cover, Stator - Bottom				
	232-3820-02	1	230, 285mm Stack Length				
	232-3820-03	1	335mm Stack Length				
	232-3820-04	1	375mm Stack Length				

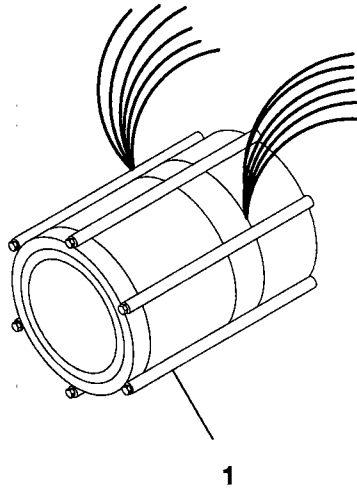
* - Parts Included in Generator Rotor Assemblies
 # - Parts Included in Exciter Rotor Assemblies
 + - Parts Included in Rectifier Assemblies

Generator Stator DGEA



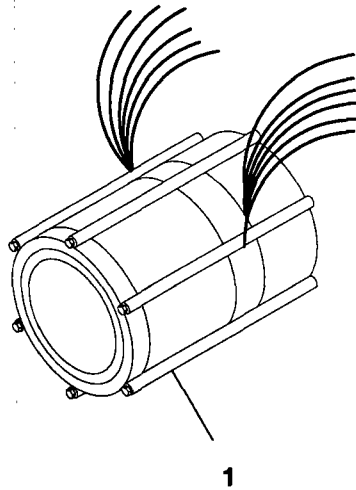
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Stator, Generator
			4 Lead, Single Phase, Non-Reconnectible
	220-4448-04	1	285mm Stack Length, 105 Deg C, 50 Hz
	220-4448-04	1	285mm Stack Length, 125 Deg C, 50 Hz
	220-4448-06	1	375mm Stack Length, 80 Deg C, 50 Hz
	220-4448-10	1	285mm Stack Length, 105 Deg C, 60 Hz
	220-4448-10	1	285mm Stack Length, 125 Deg C, 60 Hz
	220-4448-12	1	375mm Stack Length, 80 Deg C, 60 Hz
			6 Lead, Three Phase, Reconnectible
	220-4448-33	1	230mm Stack Length, 105 Deg C
	220-4448-33	1	230mm Stack Length, 125 Deg C
	220-4448-34	1	285mm Stack Length, 80 Deg C
			12 Lead
			Three Phase, Non-Reconnectible
	220-4448-27	1	230mm Stack Length, 125 Deg C
	220-4448-28	1	285mm Stack Length, 105 Deg C
	220-4448-29	1	335mm Stack Length, 80 Deg C
			Single or Three Phase, Reconnectible
	220-4448-15	1	230mm Stack Length, 105 Deg C
	220-4448-15	1	230mm Stack Length, 125 Deg C, 50 Hz, Broad Range
	220-4448-15	1	230mm Stack Length, 125 Deg C, 60 Hz, Broad Range
	220-4448-21	1	230mm Stack Length, 125 Deg C, 60 Hz, Low Range
	220-4448-16	1	285mm Stack Length, 80 Deg C, 50 Hz, Broad Range
	220-4448-16	1	285mm Stack Length, 105 Deg C, 60 Hz, Broad Range
	220-4448-22	1	285mm Stack Length, 80 Deg C, 60 Hz, Low Range
	220-4448-22	1	285mm Stack Length, 105 Deg C, 60 Hz, Low Range
	220-4448-17	1	335mm Stack Length, 80 Deg C
	220-4448-17	1	335mm Stack Length, 105 Deg C, Full Output on Single Phase
	220-4448-17	1	335mm Stack Length, 125 Deg C, Full Output on Single Phase
	220-4448-18	1	375mm Stack Length, 80 Deg C, Full Output on Single Phase
	220-4448-18	1	375mm Stack Length, 105 Deg C, Full Output on Single Phase
	220-4448-18	1	375mm Stack Length, 125 Deg C, Full Output on Single Phase

Generator Stator DGFA



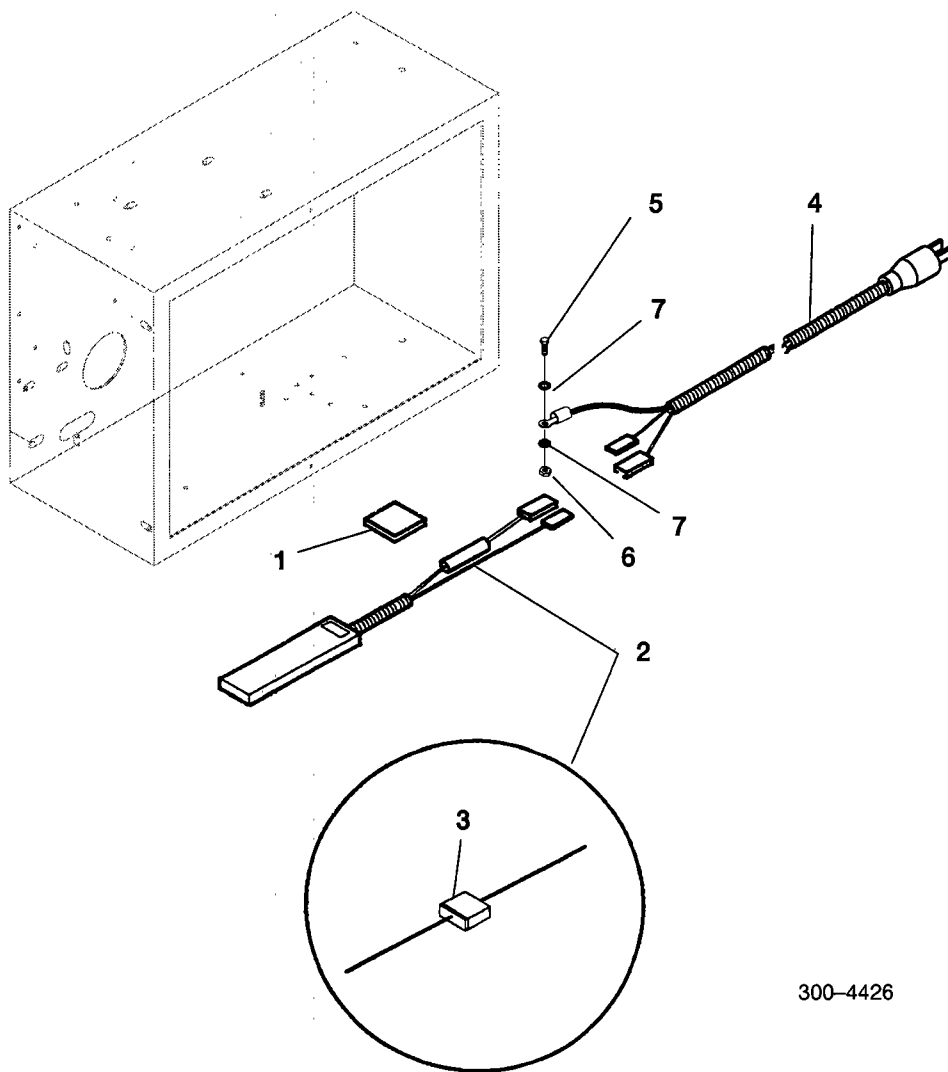
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Stator, Generator
	220-4448-11	1	4 Lead , Single Phase, Non-Reconnectible 335mm Stack Length, 125 Deg C
	220-4448-12	1	375mm Stack Length, 105 Deg C
	220-4448-06	1	375mm Stack Length, 125 Deg C
			6 Lead , Three Phase
	220-4448-34	1	285mm Stack Length, 105 Deg C
	220-4448-34	1	285mm Stack Length, 125 Deg C
	220-4448-36	1	375mm Stack Length, 80 Deg C
			12 Lead
			Three Phase, Non-Reconnectible
	220-4448-28	1	285mm Stack Length, 125 Deg C
	220-4448-29	1	335mm Stack Length, 105 Deg C
	220-4448-30	1	375mm Stack Length, 80 Deg C
			Single or Three Phase, Reconnectible
	220-4448-16	1	285mm Stack Length, 125 Deg C, 60 Hz, Broad Range
	220-4448-22	1	285mm Stack Length, 105 Deg C, 60 Hz, Low Range
	220-4448-22	1	285mm Stack Length, 125 Deg C, 60 Hz, Low Range
	220-4448-17	1	335mm Stack Length, 105 Deg C
	220-4448-17	1	335mm Stack Length, 125 Deg C
	220-4448-18	1	375mm Stack Length, 80 Deg C, 60 Hz, Broad Range
	220-4448-24	1	375mm Stack Length, 80 Deg C, 60 Hz, Low Range
	220-4448-18	1	375mm Stack Length, 105 Deg C, Full Output on Single Phase
	220-4448-18	1	375mm Stack Length, 125 Deg C, Full Output on Single Phase

Generator Stator DGFB



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Stator, Generator
			6 Lead, Three Phase
	220-4448-35	1	335mm Stack Length, 125 Deg C
	220-4448-36	1	375mm Stack Length, 105 Deg C
			12 Lead
			Three Phase, Non-Reconnectible
	220-4448-30	1	375mm Stack Length, 105 Deg C
	220-4448-30	1	375mm Stack Length, 125 Deg C
			Single or Three Phase, Reconnectible
	220-4448-17	1	335mm Stack Length, 125 Deg C, 50 Hz, Broad Range
	220-4448-23	1	335mm Stack Length, 125 Deg C, 60 Hz, Low Range
	220-4448-18	1	375mm Stack Length, 105 Deg C, 50 Hz, Broad Range
	220-4448-18	1	375mm Stack Length, 105 Deg C, 60 Hz, Broad Range
	220-4448-24	1	375mm Stack Length, 105 Deg C, 60 Hz, Low Range
	220-4448-18	1	375mm Stack Length, 125 Deg C

Control Heater

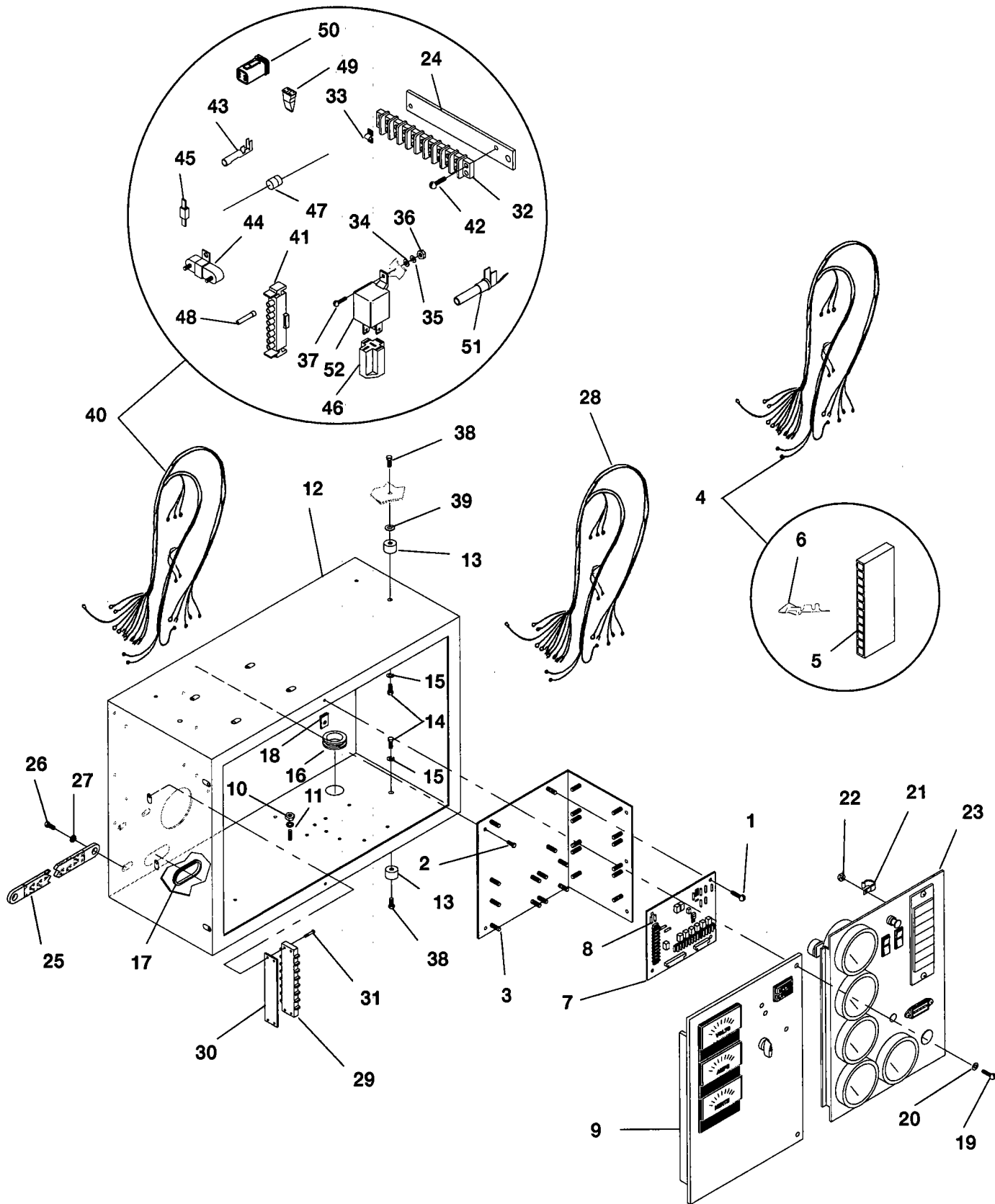


300-4426

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-3338	2	*#Mount, Cable	6	870-0257	1	*Nut, Locking – Hex (5/16-18)
2			Heater Assembly, Control – 100 Watt (Includes Rectifier)	7	856-0008	2	*Washer, Lock – W/EIT (5/16")
	300-4515-01	1	* 120 Volt				
	300-4515-02	1	# 240 Volt				
3	357-0114	1	*#Rectifier (3 Amp)				
4	335-0173	1	*Cable, Heater (7')				
5	800-0024	1	*Screw, Cap – Hex Head (5/16-18 x 3/4")				

* – Parts Used in 120 Volt Control Heater Application
– Parts Used in 240 Volt Control Heater Application

Control



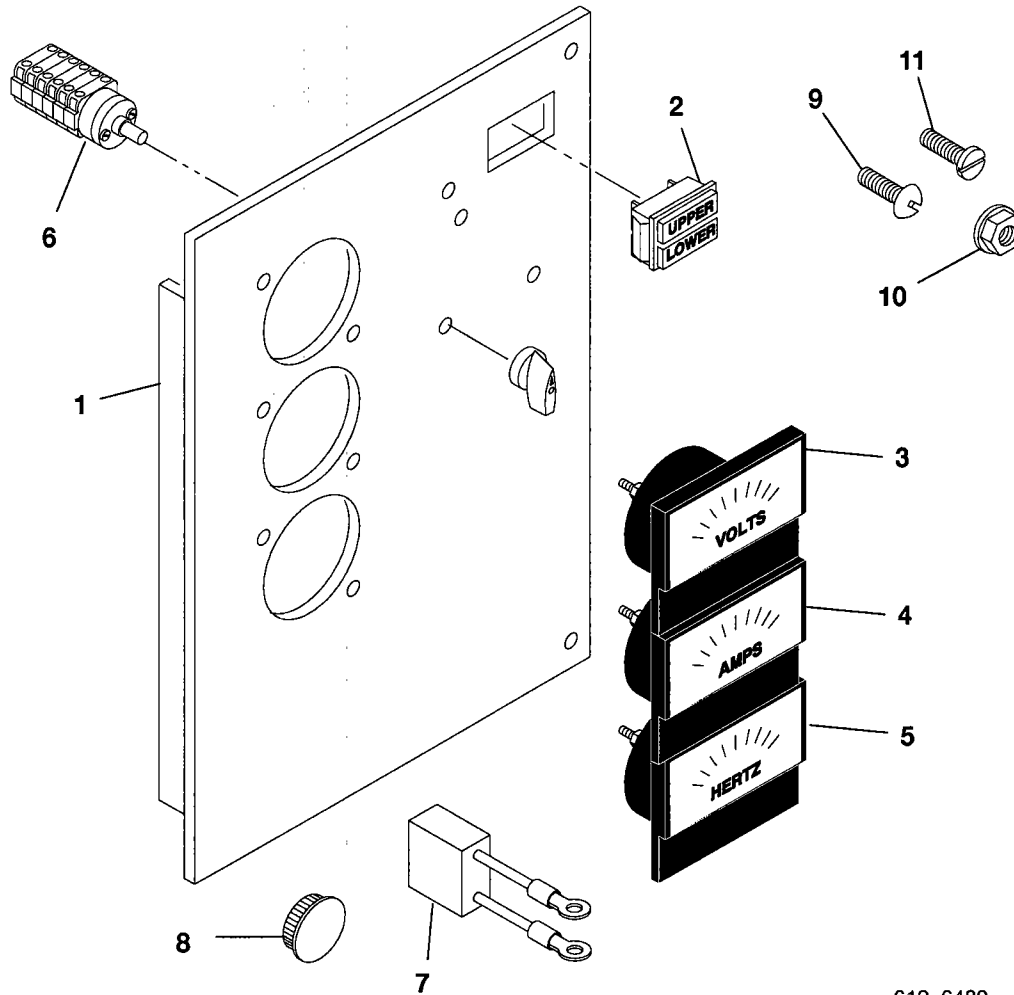
612-6487

Control

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	815-0544	4	Screw, Machine – Round Head – Cross Recessed W/IT (#6–32 x 1/2")	26	800-0024	3	Screw, Cap – Hex Head (5/16–18 x 1/2")
2	821-0004	8	Screw, Self-Locking – Hex Washer Head (#10–32 x 5/16")	27	856-0008	3	Washer, Lock – W/EIT (5/16")
3	301-8851	1	Bracket, Mounting	28	338-2278	1	Harness, Wiring – AC Control Door Assembly to TB21 Terminal Block (Includes TB21 Terminal Block)
4	338-3252	1	Harness, Wiring – DC Control Door Assembly to Engine Monitor Board (Includes Connector Housing and Contact Pins)	29	332-0607	1	Block, Terminal – 12 Place (TB21)
5	323-1308	1	Housing, Connector (12 Place) (J4)	30	332-2723	1	Strip, Marker
6	323-1302	11	Pin, Contact	31	812-0065	2	Screw, Machine – Hex Head (#6–32 x 5/8")
7			Board Assembly, Printed Circuit – Engine Monitor (Includes Fuses) (A11)	32	332-0604	1	*Block, Terminal – 12 Place (T26)
	300-4295	1	7 Light Control	33	332-1043	4	*Jumper
	300-2812	1	12 Light Control	34	526-0008	1	Washer, Flat (#10)
8			Fuse	35	850-0030	1	Washer, Lock – Spring (#10)
	321-0307-03	2	5 Amp (Tan) (F4, F5)	36	871-0010	1	Nut, Hex (#10–32)
	321-0307-06	1	15 Amp (Light Blue) (F3)	37	815-0449	1	Screw, Machine – Round Head – Cross Recessed W/IT (#10–32 x 3/4")
	321-0307-07	2	20 Amp (Yellow) (F1, F2)	38	821-0014	4	Screw, Self-Locking – Hex Washer Head (5/16–18 x 1/2")
9	–	–	Door Assembly – Control – AC (See Separate Page For Components)	39	526-0013	2	Washer, Flat (25/64")
10	871-0015	1	Nut, Hex (1/4–20)	40	338-3298	1	Harness, Wiring – Engine to Control (Includes Parts Marked *)
11	853-0013	1	Washer, Lock – W/ET (1/4")	41			Housing, Connector
12	301-8065	1	Box, Control		323-1306	1	* 8 Place (J1)
13	402-0527	4	Isolator, Vibration		323-1304	1	* 6 Place (J2)
14	800-0045	4	Screw, Cap – Hex Head (5/16–18 x 3/8")	42	815-0538	2	*Screw, Machine – Round Head – Cross Recessed W/IT (#8–32 x 1/2")
15	850-0045	4	Washer, Lock – Spring (5/16")	43	323-1200	12	*Socket, Contact
16	508-0001	1	Grommet (Fits 1–1/16" Hole)	44	353-0094-01	1	*Resistor (R1)
17	508-0051	1	Grommet (Fits 2" Hole)	45	357-0030	1	*Rectifier (CR1)
18	406-0332	2	Receptacle, Fastener	46	307-1690	1	*Plug, Relay (P12)
19	406-0333	2	Stud, Fastener	47	359-0051	1	*Diode (CR2)
20	406-0334	2	Washer, Stud Retainer	48	323-1591	1	*Plug, Connector
21	332-0052	2	Clip, Wire	49	323-1548	1	*Wedge, Plug
22	870-0131	6	Nut, Hex – W/ET (#10–32)	50	323-1546	1	*Plug, Connector – 4 Place (E1)
23	–	–	Door, Assembly – Control – DC (See Separate Page For Components)	51	323-1492	3	*Socket, Contact
24	319-2006-01	1	*Bracket, Mounting – Terminal Block	52	307-2817-02	1	*Relay (K12)
25	337-0049	3	Strap, Ground				

* – Parts Included in 338–3298 Engine Wiring Harness

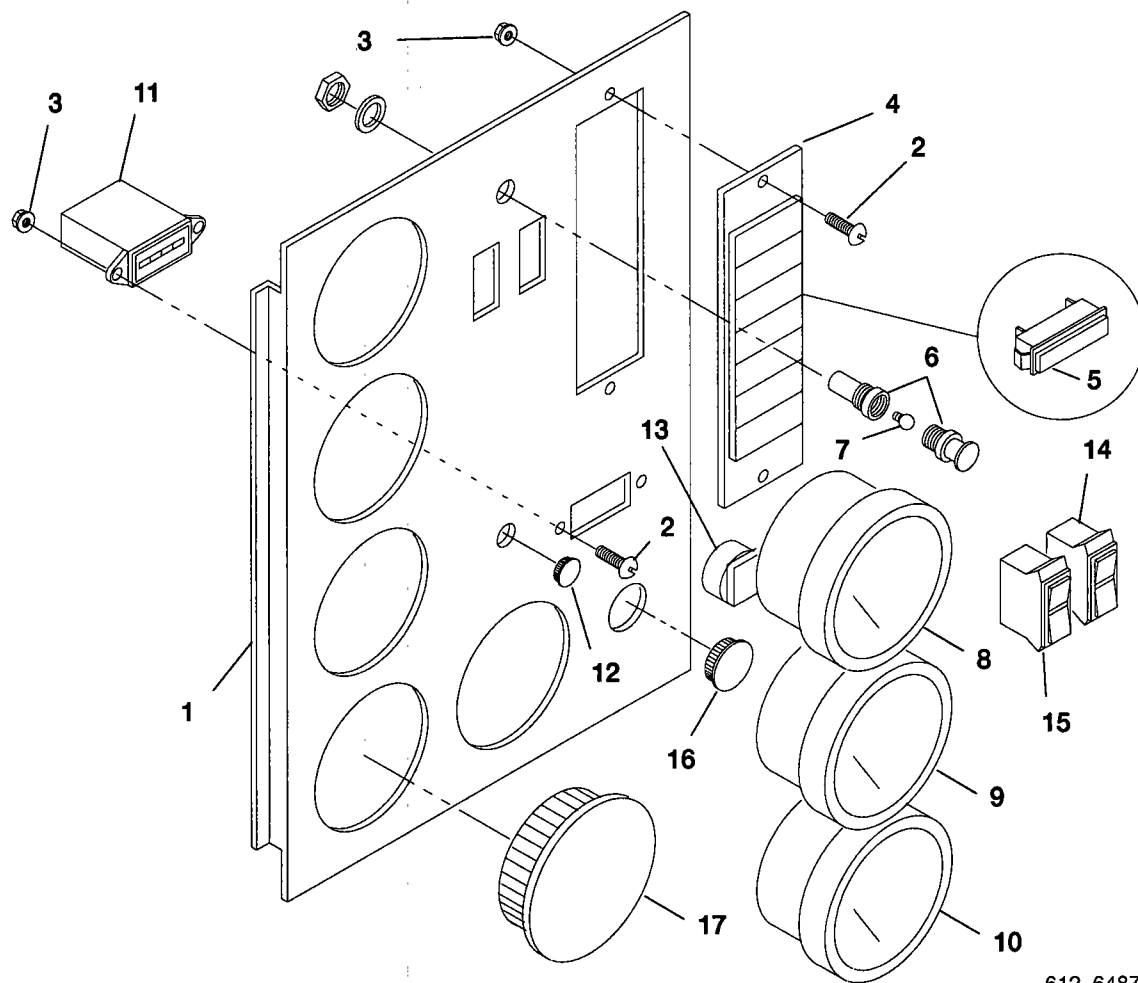
AC Control Door Assembly



612-6489

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	301-9054-03	1	Door, Control - AC Without Meter Holes	5	302-1968	1	Meter, Frequency (M23)
	301-9054-01	1	With Four Meter Holes	6	308-1052	1	Switch, Rotary - Voltmeter/ Ammeter (S21)
	301-9054-04	1	With Six Meter Holes	7	355-0189	1	Capacitor - Voltmeter (.1 Mfd., 500 WVDC) (C21)
2	322-0363	1	Light, Indicator - Upper/ Lower Scale (DS21, DS22)	8	517-0302	1	Plug, Hole (Fits 2-1/4" Hole)
3			Voltmeter (M21)	9	815-0385	2	Screw, Machine - Round Head (#6-32 x 1/2")
	302-1148	1	Scale Reads 0-300/600	10	870-0183	2	Nut, Hex - W/ET (#6-32)
	302-1753	1	Scale Reads 0-750	11	815-0875-02	3	Screw, Machine - Pan Head - Cross Recessed (M4 x 8mm)
4			Ammeter (M22)				
	302-1685	1	Scale Reads 0-200/400				
	302-1724	1	Scale Reads 0-250/500				
	302-1725	1	Scale Reads 0-375/750				

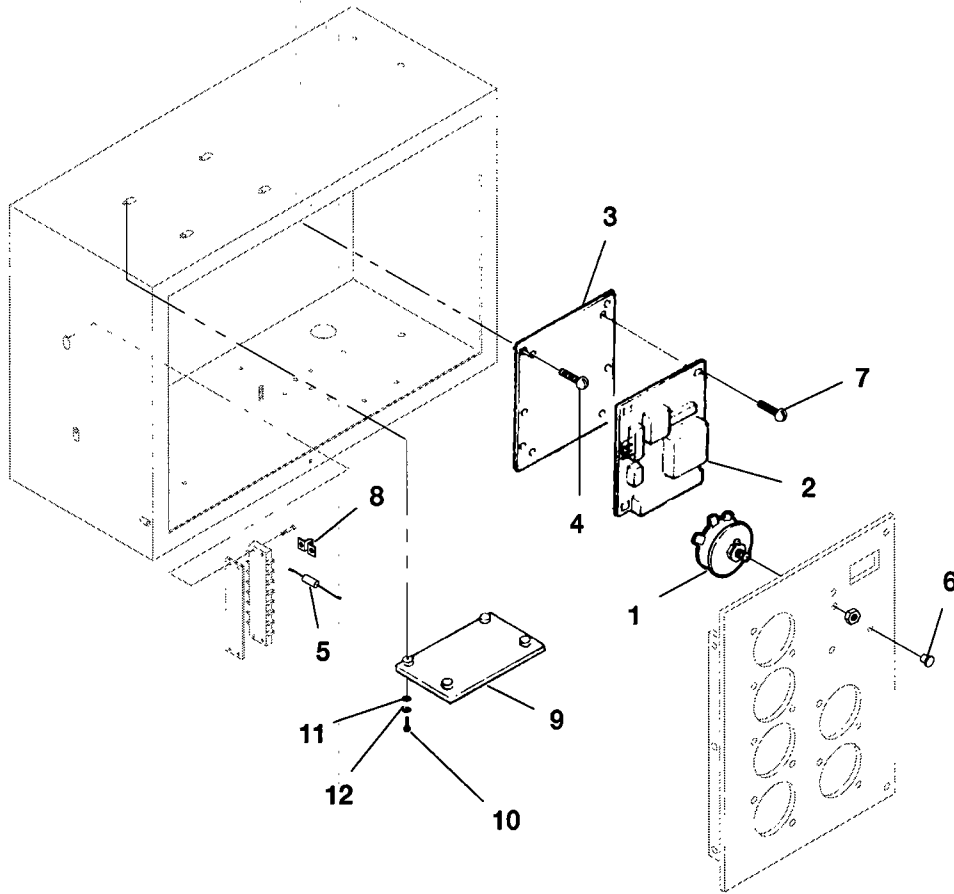
DC Control Door Assembly



612-6487

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	301-9055-01	1	Door, Control - DC	10	302-1642	1	Voltmeter (M13)
2	815-0385	4	Screw, Machine - Round Head (#6-32 x 1/2")	11	302-0885	1	Meter, Time Totalizing (M14)
3	870-0183	4	Nut, Hex - W/ET (#6-32)	12	517-0131	1	Plug, Hole (Fits 3/8" Hole)
4			Light Assembly, Indicator (Includes Wiring Harness and Connector Housing) (A12)	13	193-0250	2	Resistor (Mounted on Oil Pressure and Water Temperature Gauges) (R12, R13)
	322-0359-02	1	7 Light Assembly	14	308-1010	1	Switch, Rocker - Lamp Test/Reset Panel Lamp - Preheat (S11)
	322-0360-02	1	12 Light Assembly	15	308-1011	1	Switch, Rocker - Run/Stop/Remote (S12)
5	322-0369-02	1	Light, Indicator - Replacement	16	517-0137	1	Plug, Hole (Fits 7/8" Hole)
6	322-0361	1	Light, Panel (DS11)	17	517-0301	2	Plug, Hole (Fits 2" Hole)
7	322-0017	1	Bulb, Panel Light - Replacement				
8	193-0352	1	Gauge, Oil Pressure (M11)				
9	193-0351	1	Gauge, Water Temperature (M12)				

Voltage Regulator



300-3606/7

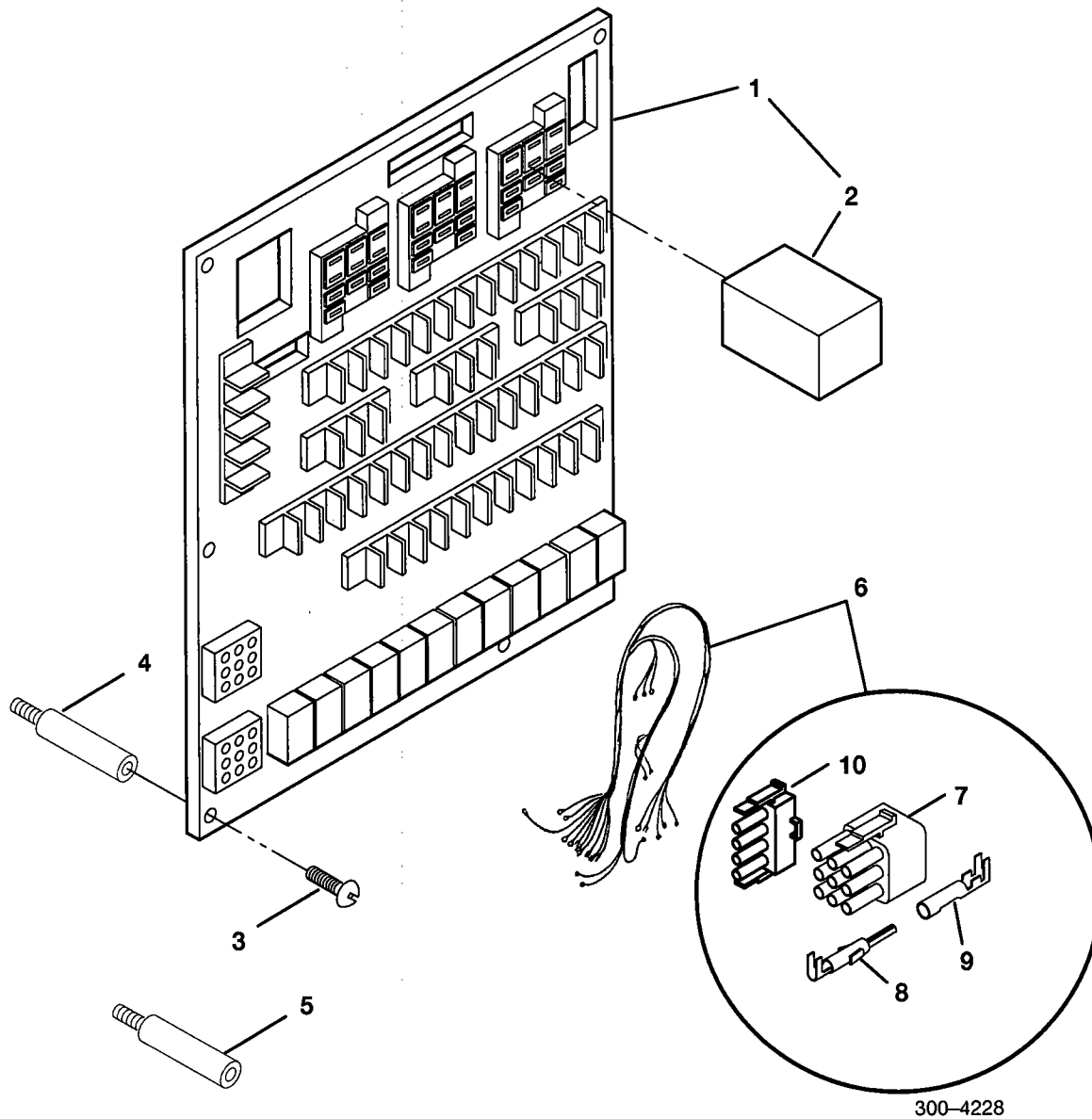
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	303-0261	1	Potentiometer (R21) * 1.5K Ohms (Used With Model SX440 Voltage Regulator)
	303-0285	1	# 5K Ohms (Used With Model MX321 Voltage Regulator)
2			Board, Printed Circuit – Voltage Regulator (VR21)
	305-0824	1	* Model SX440
	305-0823	1	# Model MX321
3	319-0652	1	#Plate, Mounting (Used With MX321 Voltage Regulator)
4	815-0544	6	#Screw, Machine – Round Head – Cross Recessed W/IT (#6-32 x 1/2") (Used With MX321 Voltage Regulator)
5	350-1222	1	*#Resistor (1.5K Ohms) (Used on TB21)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
6	517-0131	1	*#Plug, Hole (Fits 3/8" Hole)
7	812-0084	4	*#Screw, Machine – Round Head (#8-32 x 1")
8	332-1043	1	*#Jumper (Used on TB21)
9	305-0868	1	#Board, Printed Circuit – Isolation Transformer (T30)
10	813-0108	4	#Screw, Machine – Round Head (#10-32 x 1-1/2")
11	526-0008	4	#Washer, Flat (#10)
12	850-0030	4	#Washer, Lock – Spring (#10)

* – Parts Used on Generators Without Permanent Magnet Exciter

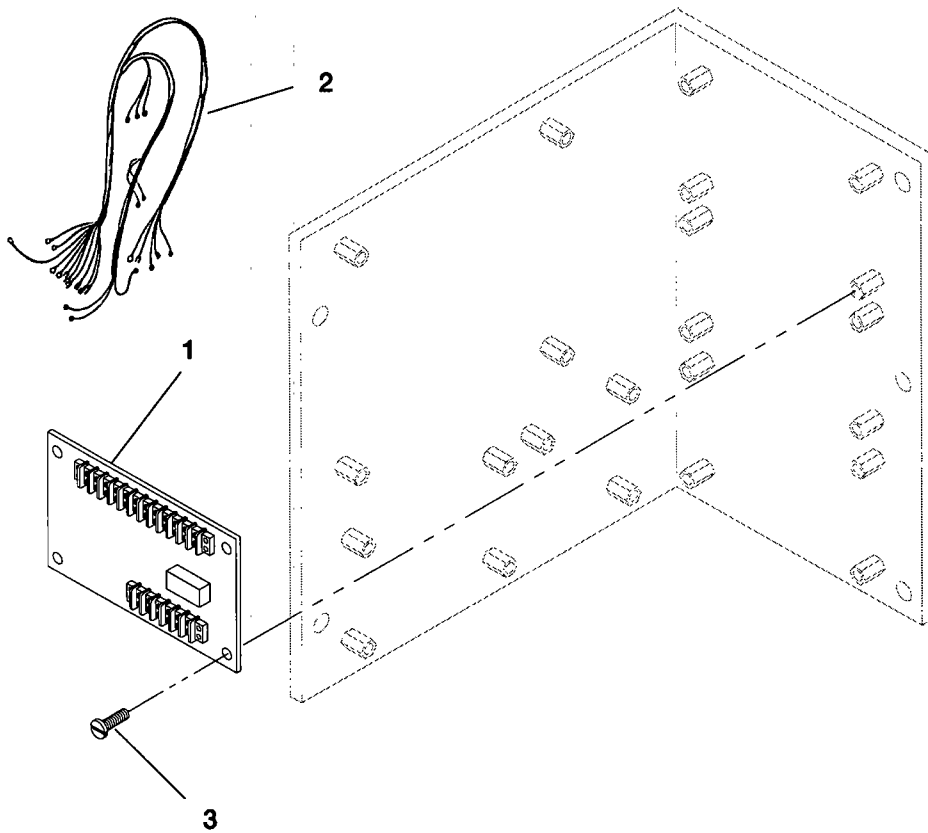
– Parts Used on Generators With Permanent Magnet Exciter

Alarm Relay Board



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Board, Printed Circuit – Alarm Relay (Includes K1 Relay)	6	338-2875	1	Harness, Wiring (Includes Parts Marked *) (A11-TB1 and TB2 to Alarm Relay Board)
	300-4111-02	1	Without Form C Relays	7	323-1291	2	*Plug – 9 Place (P1,P2)
	300-4111-04	1	With Form C Relays	8	323-1199	9	*Pin, Contact
2	307-1056	1	Relay (Quantity Used as Required) (K1,K2,K3)	9	323-1200	12	*Socket, Contact
3	815-0544	6	Screw, Machine – Round Head – Cross Recessed W/IT (#6-32 x 1/2")	10	323-1292	1	*Plug – 4 Place (P3)
4	870-0517-01	4	Standoff (Clear) (1-7/8")				* – Parts Included in 338-2875 Wiring Harness
5	870-0517-02	2	Standoff (Yellow) (2")				

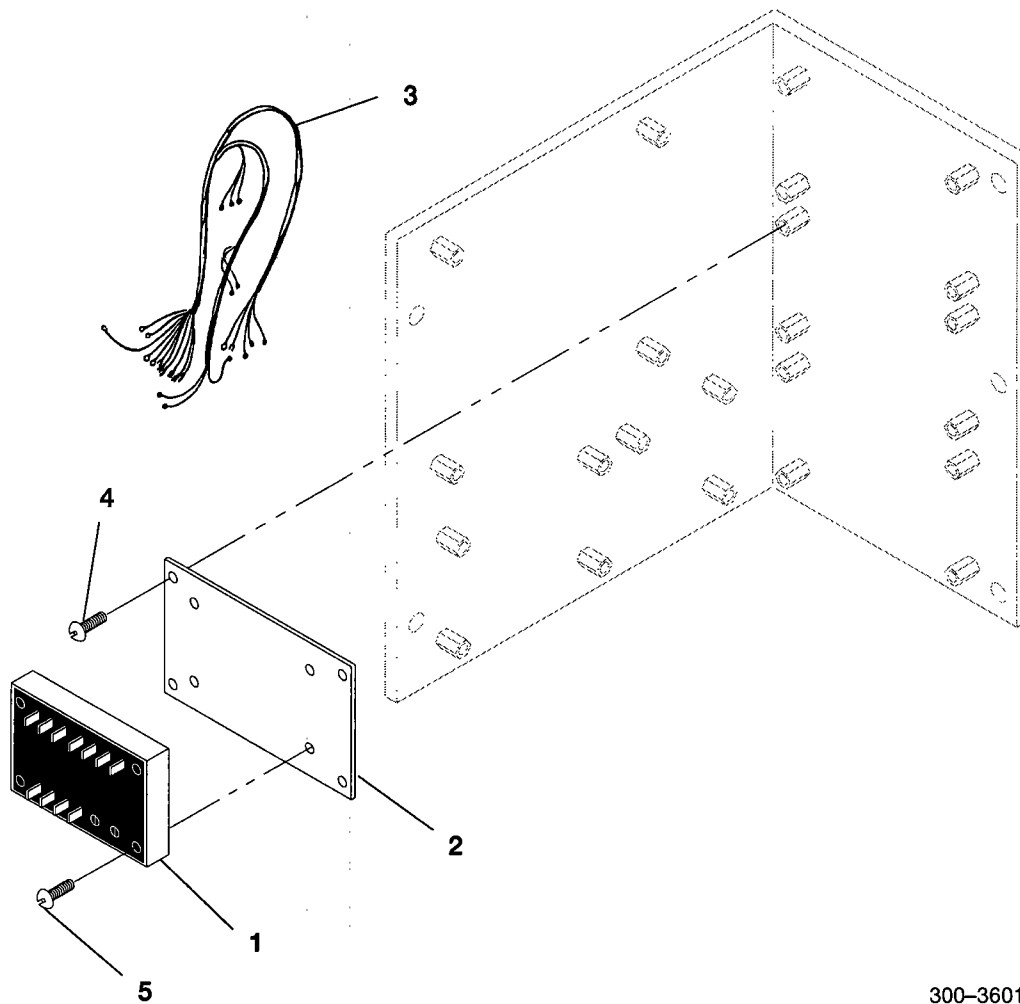
Common Alarm



300-4394-02

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-4218-02	1	Board, Printed Circuit – Common Alarm (A27)	3	812-0063	4	Screw, Machine – Round Head (#6-32 x 1/2")
2	338-3033	1	Harness, Wiring (12 Wire) (A27 to A11)				

Electronic Overspeed

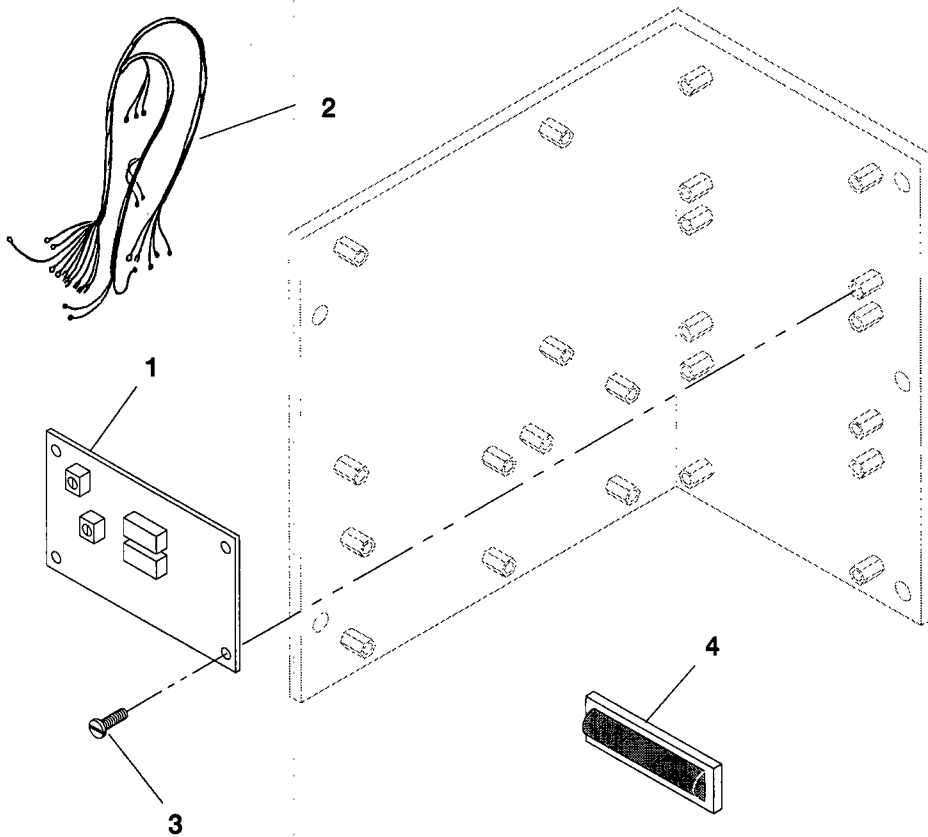


300-3601

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	305-0902-02	1	Board, Printed Circuit – Electronic Overspeed (A16)
2	319-0754	1	Plate, Mounting
3	338-2493	1	Harness, Wiring (A16 to A11, AUX) (5 Wire) (44")

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	815-0544	4	Screw, Machine – Round Head – Cross Recessed W/IT (#6-32 x 1/2")
5	812-0082	4	Screw, Machine – Round Head (#8-32 x 3/4")

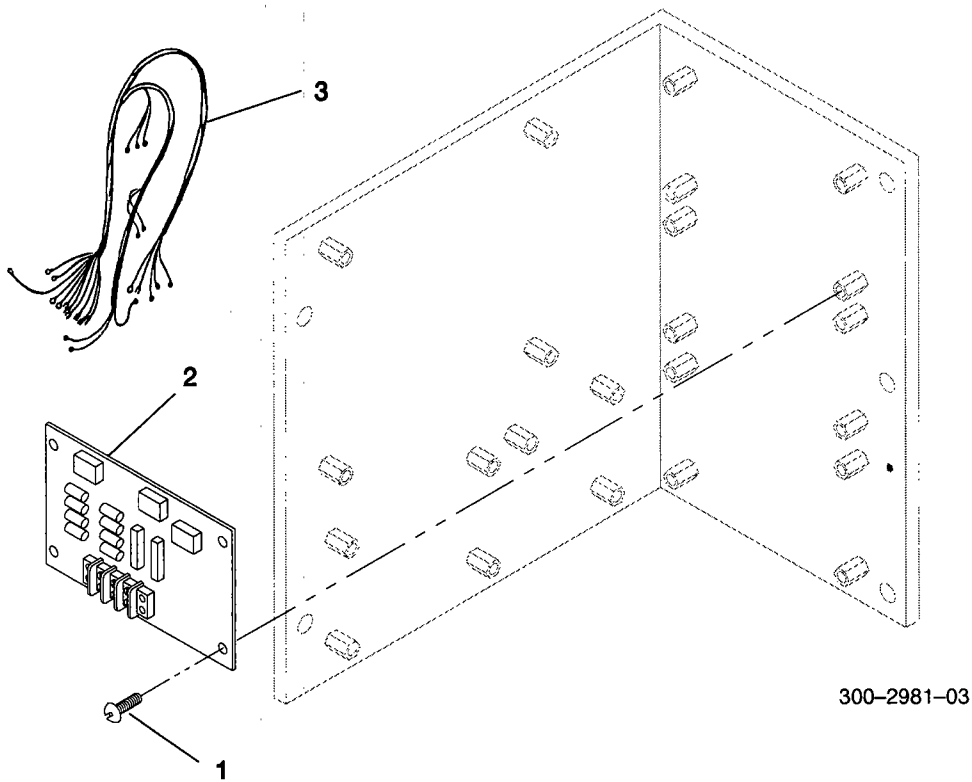
Over/Under Voltage Relay



300-4697-01

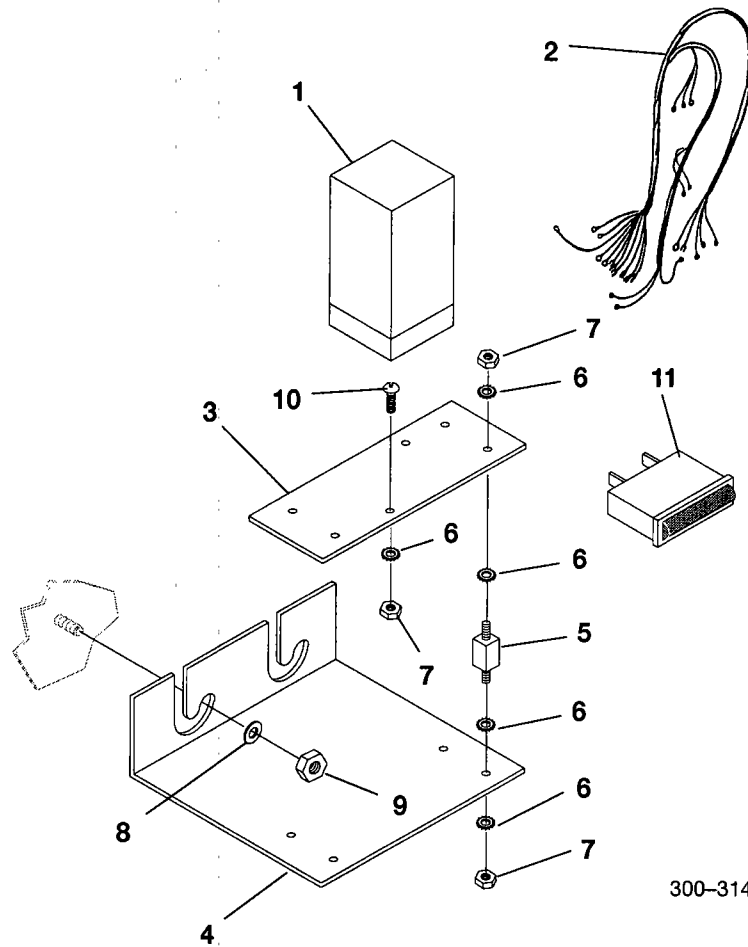
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	307-2868	1	Board, Printed Circuit – Over/Under Voltage Relay (A17)	4	322-0463-03	1	Lens, Indicator Light (Marked "O/U VOLT")
2	338-3366	1	Harness, Wiring (6 Wire) (30")				
3	815-0550	4	Screw, Machine – Pan Head – Cross Recessed W/ET (#6-32 x 3/8")				

Time Delay Start/Stop



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	815-0544	4	Screw, Machine – Round Head – Cross Recessed W/IT (#6-32 x 1/2")	3	338-1904	1	Harness, Wiring (5 Wire) (21-1/2")
2	300-2899	1	Board, Printed Circuit – Time Delay (A15)				

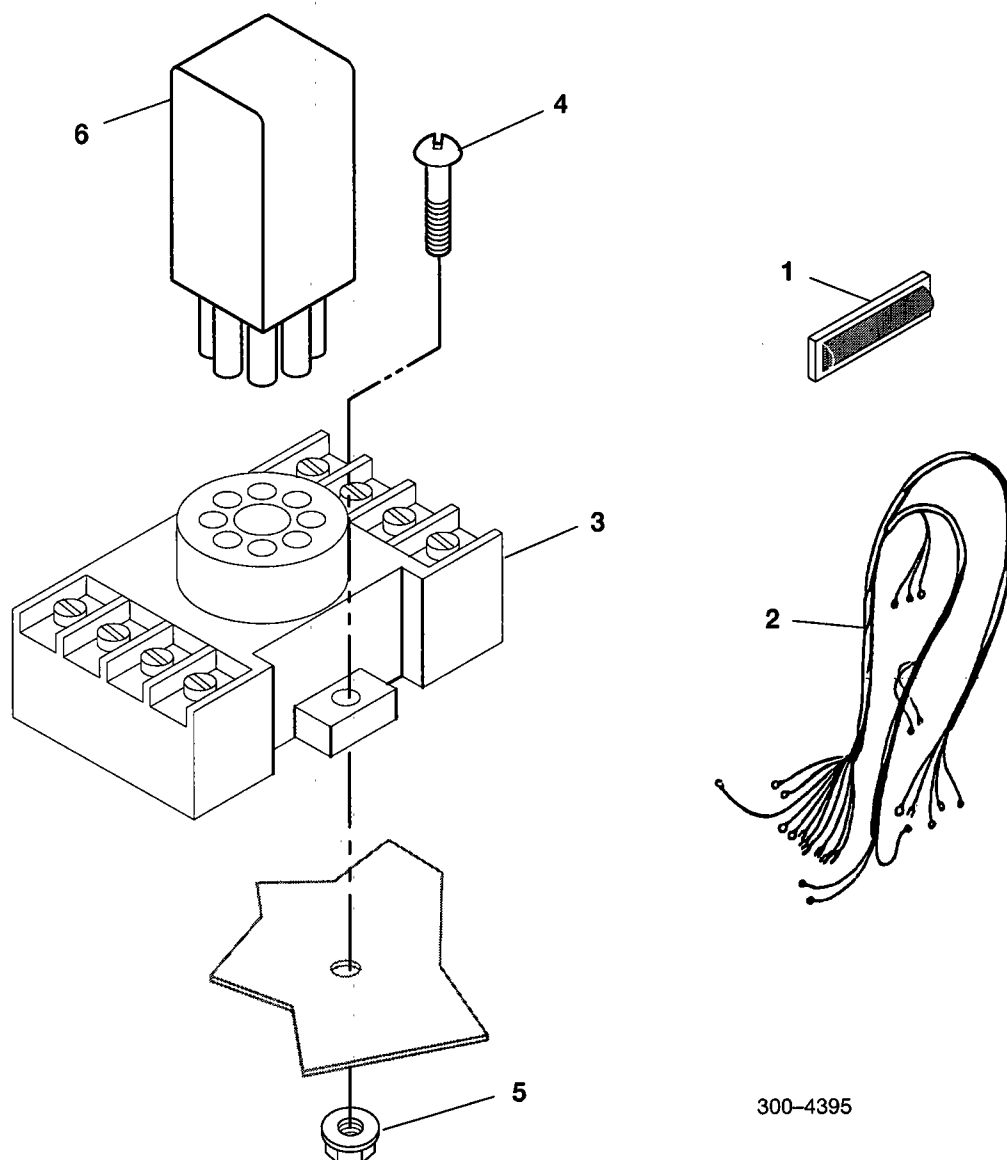
Over/Under Frequency Relay



300-3141

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	307-2553	1	Relay (A19)	6	856-0002	18	Washer, Lock - W/EIT (#8)
	307-2709	1	50 Hertz	7	860-0008	10	Nut, Hex (#8-32)
2	338-2347	1	60 Hertz	8	526-0115	2	Washer, Flat (5/16'')
			Harness, Wiring (TB21, A11, GRD to A19)	9	870-0048	2	Nut, Hex - Locking (5/16-18)
3	301-9941	1	Plate, Mounting	10	812-0082	2	Screw, Machine - Round Head (#8-32 x 3/4'')
4	301-6987	1	Bracket, Mounting	11	322-0463-04	1	Light, Indicator (Marked "O/U HZ") (DS20)
5	402-0354	4	Mount, Shock				

Low Battery Voltage



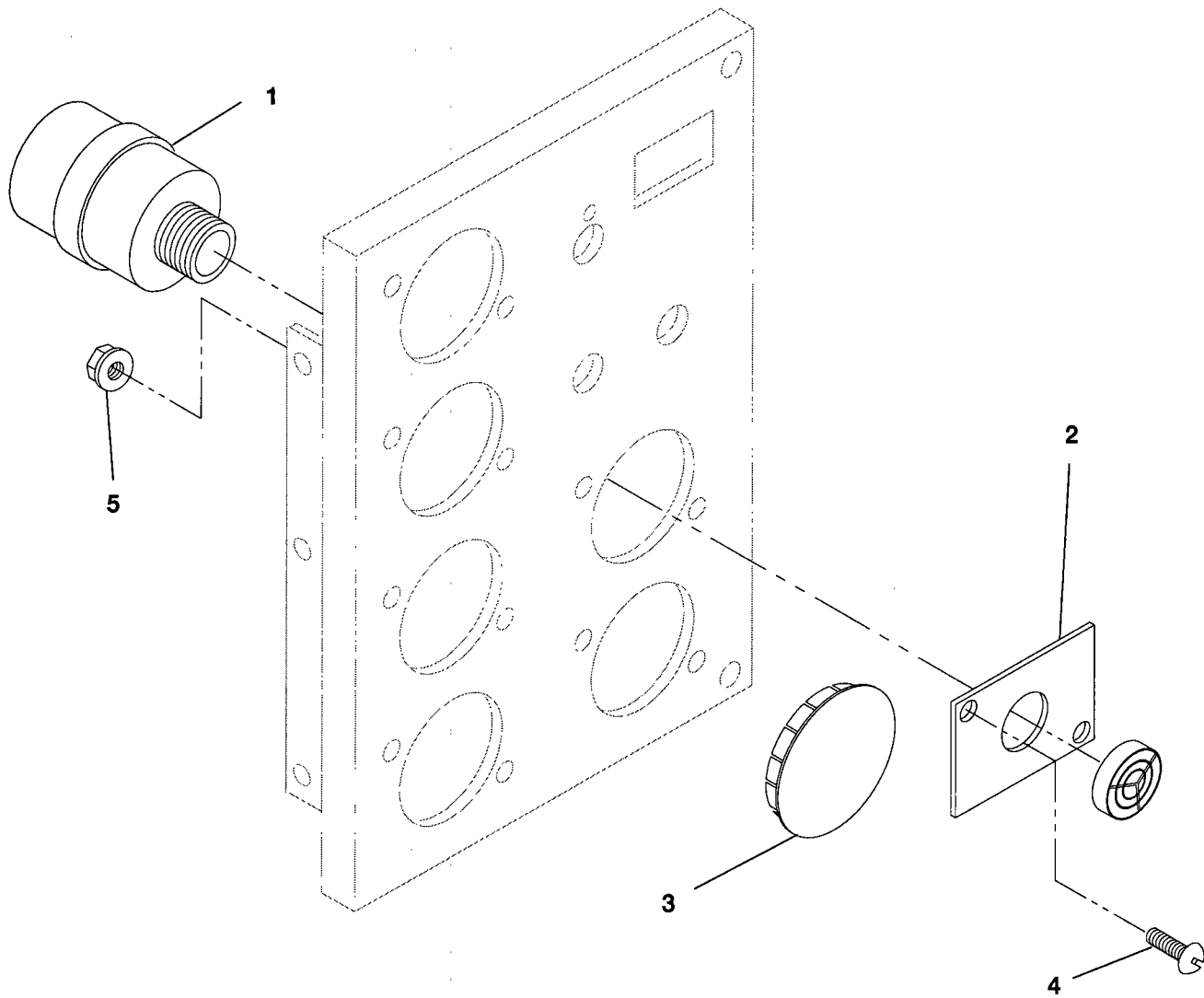
300-4395

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	322-0463-08	1	Lens, Indicator Light (Marked "Lo Battery")
2	338-3034	1	*Harness, Wiring (4 Wire) (36") (K15 to A11)
3	323-1410-03	1	*Base, Relay
4	812-0084	2	*Screw, Machine - Round Head (#8-32 x 1")

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
5	870-1221	2	*Nut, Hex - W/ET (#8-32)
6	305-0901	1	*Sensor - Low Battery Voltage (K15)

* - Not Used on All Models

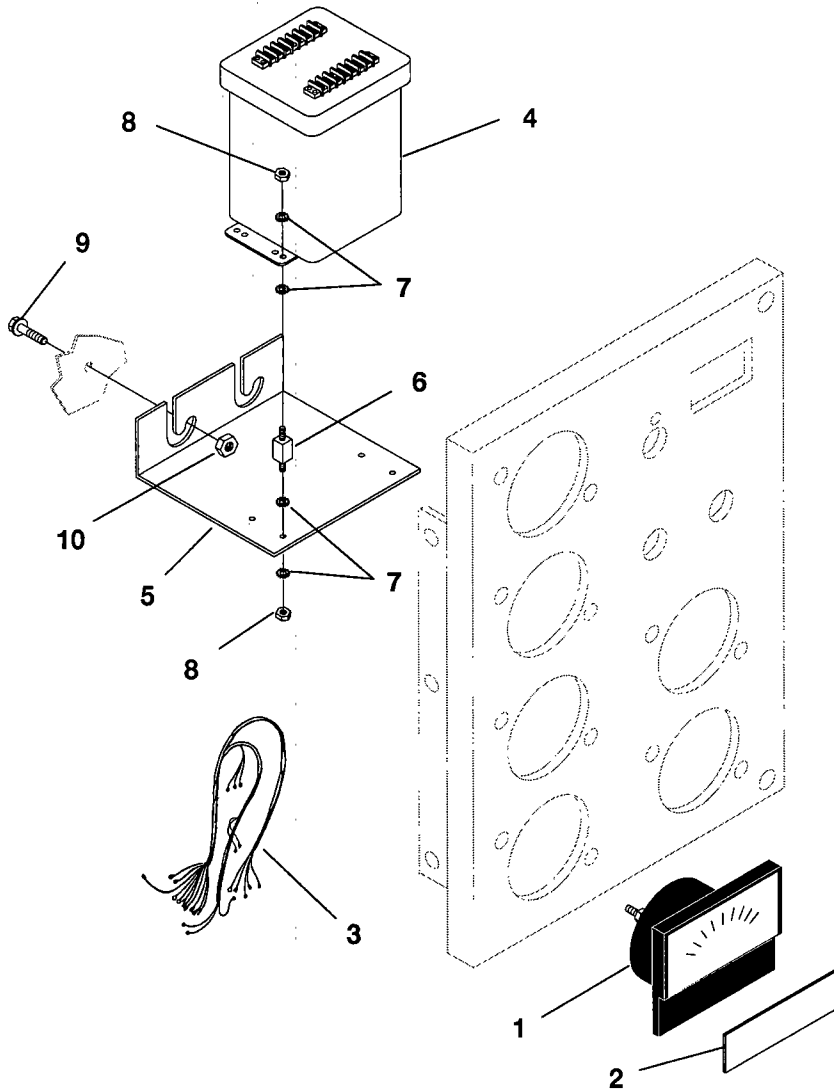
Audible Alarm



300-3729

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	333-0133	1	Alarm, Audible (DS2)	4	815-0385	2	Screw, Machine – Round Head (#6-32 x 1/2")
2	319-0898	1	Plate, Mounting	5	870-0183	2	Nut, Hex – W/ET (#6-32)
3	517-0302	1	Plug, Hole				

Wattmeter

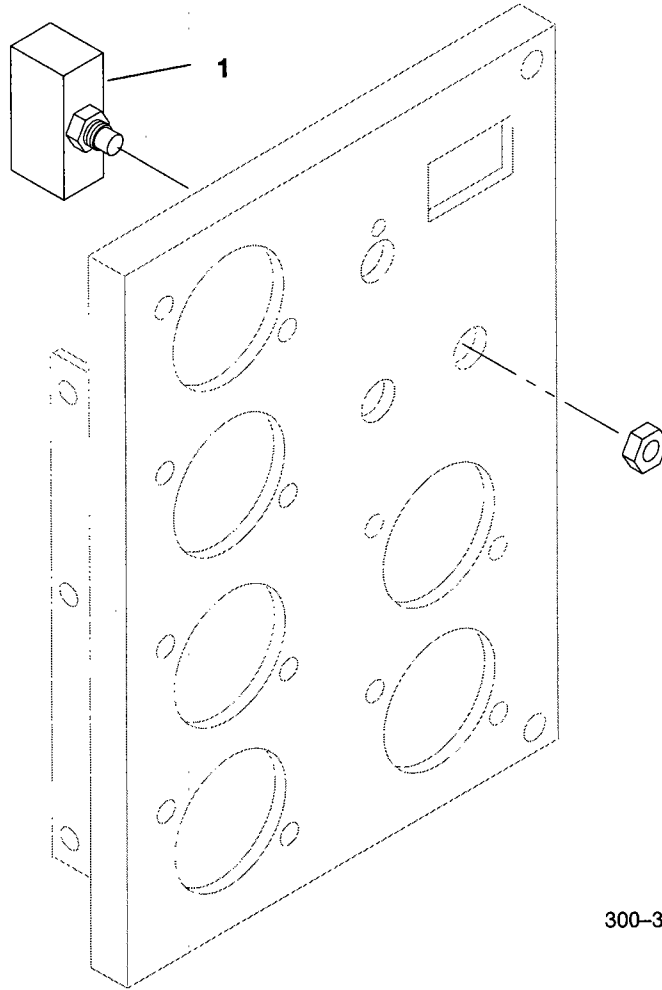


300-4736

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	302-1722	1	Wattmeter (Dial Not Included) (M24)
2			Dial, Wattmeter
	302-1721-05	1	0-115 kW Rating
	302-1721-06	1	0-160 kW Rating
	302-1721-07	1	0-180 kW Rating
	302-1721-08	1	0-200 kW Rating
3			Harness, Wiring
	338-3310	1	Single Phase, 120/240 Volt
	338-3309	1	Three Phase, 120/240 Volt DELTA and Reconnectable WYE

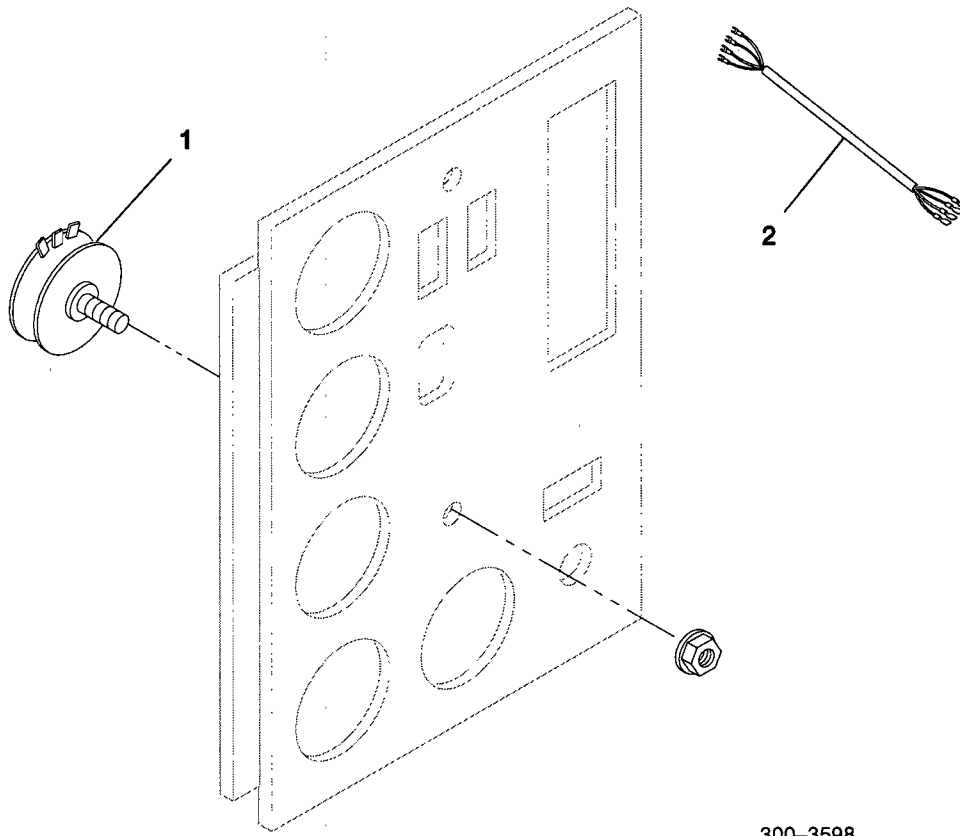
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4			Transducer, Watts (A21)
	302-1982-09	1	2 Element Watt, Single Phase, 120/240 Volt
	302-1982-10	1	3 Element Watt, Three Phase, Reconnectable WYE
	302-1982-11	1	3 Element Watt, Three Phase, 120/240 Volt DELTA
5	301-6987	1	Bracket, Mounting
6	402-0354	4	Mount, Shock
7	856-0002	16	Washer, Lock - W/ET (#8)
8	860-0008	8	Nut, Hex (#8-32)
9	821-0017	2	Screw, Self-Locking - Hex Washer Head (5/16-18 x 1/2")
10	870-0257	2	Nut, Locking - Hex (5/16-18)

Circuit Breaker AC Control Door



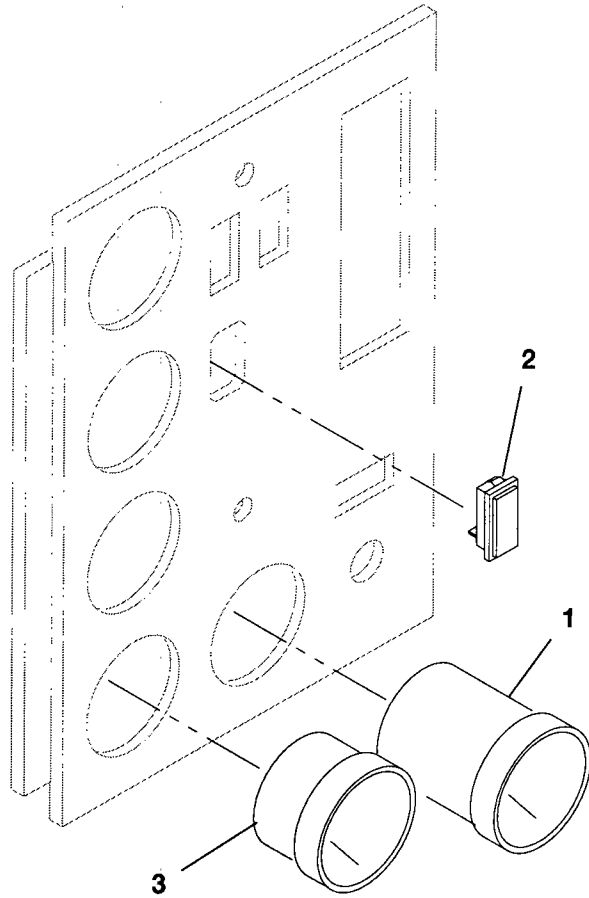
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	320-1688-01	1	Breaker, Circuit (CB21)				

Potentiometer Speed Adjust



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	151-0402	1	Potentiometer, Speed Adjusting	2	334-0116	1	Cable, Shielded (6-1/2')

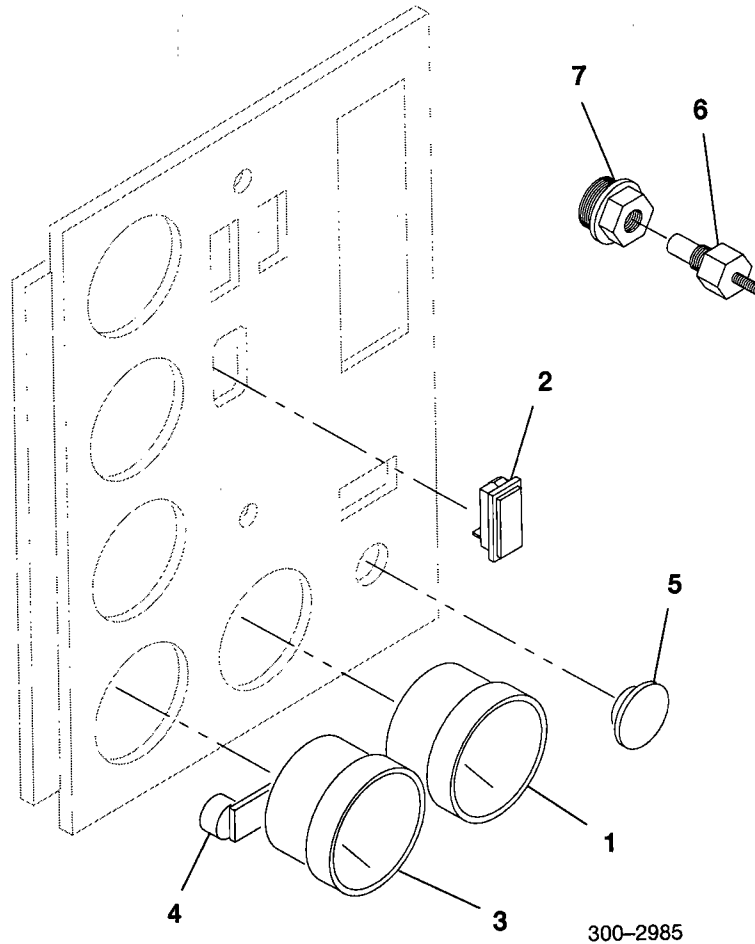
Tachometer



300-3350

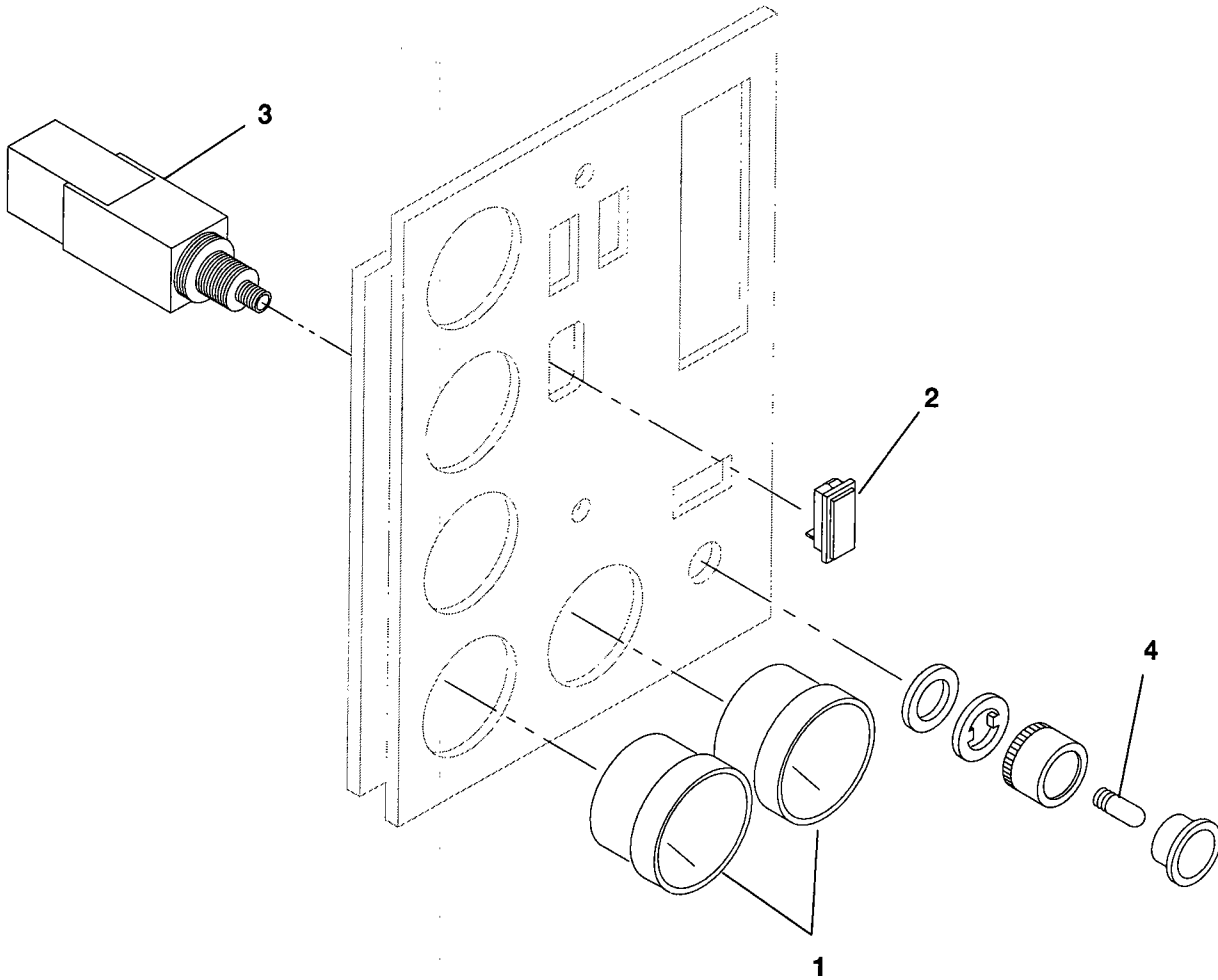
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	302-1873-01	1	Tachometer (0-4000 RPM) (M16)	2	301-6257	1	Switch - Blank
				3	302-1723	1	Ammeter - Blank Scale

Oil Temperature Gauge



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	302-1723	1	Ammeter – Blank Scale	5	517-0137	1	Plug, Hole
2	301-6257	1	Switch – Blank	6	193-0388	1	Sender, Oil Temperature (E4)
3	193-0435	1	Gauge, Oil Temperature (M15)	7	505-1373	1	Bushing, Reducer
4	193-0250	1	Resistor (R13)				

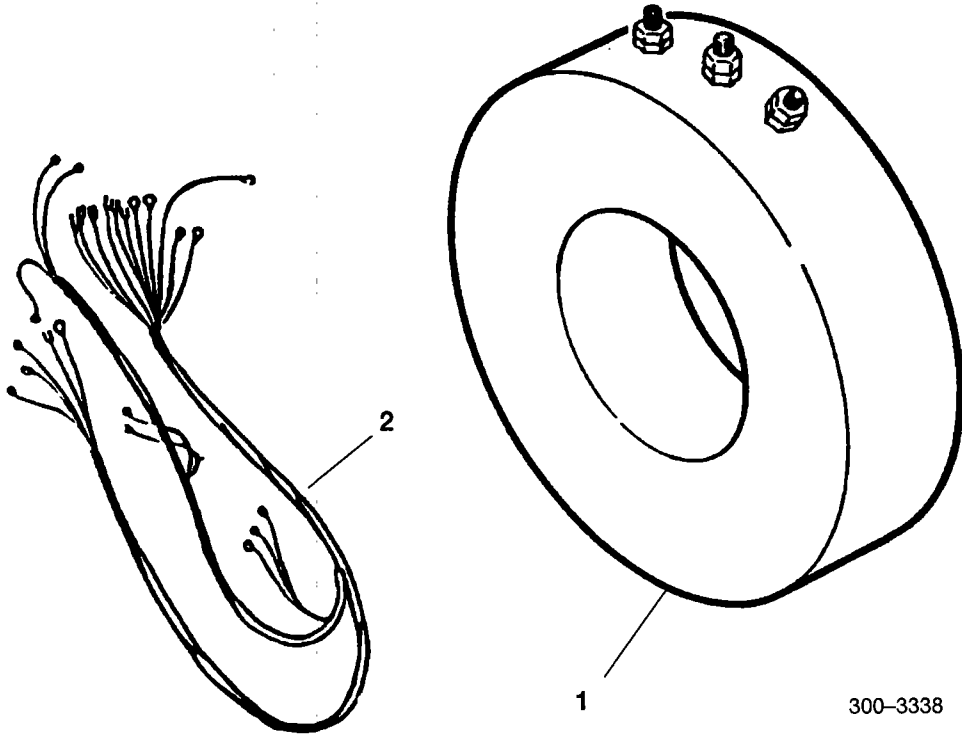
Emergency Stop Switch



300-3127

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	302-1723	2	Ammeter - Blank Scale	4	322-0394	1	Bulb, Replacement
2	301-6257	1	Switch - Blank				
3	308-0853	1	Switch, Pushbutton - Emergency Stop (Includes Bulb) (S14)				

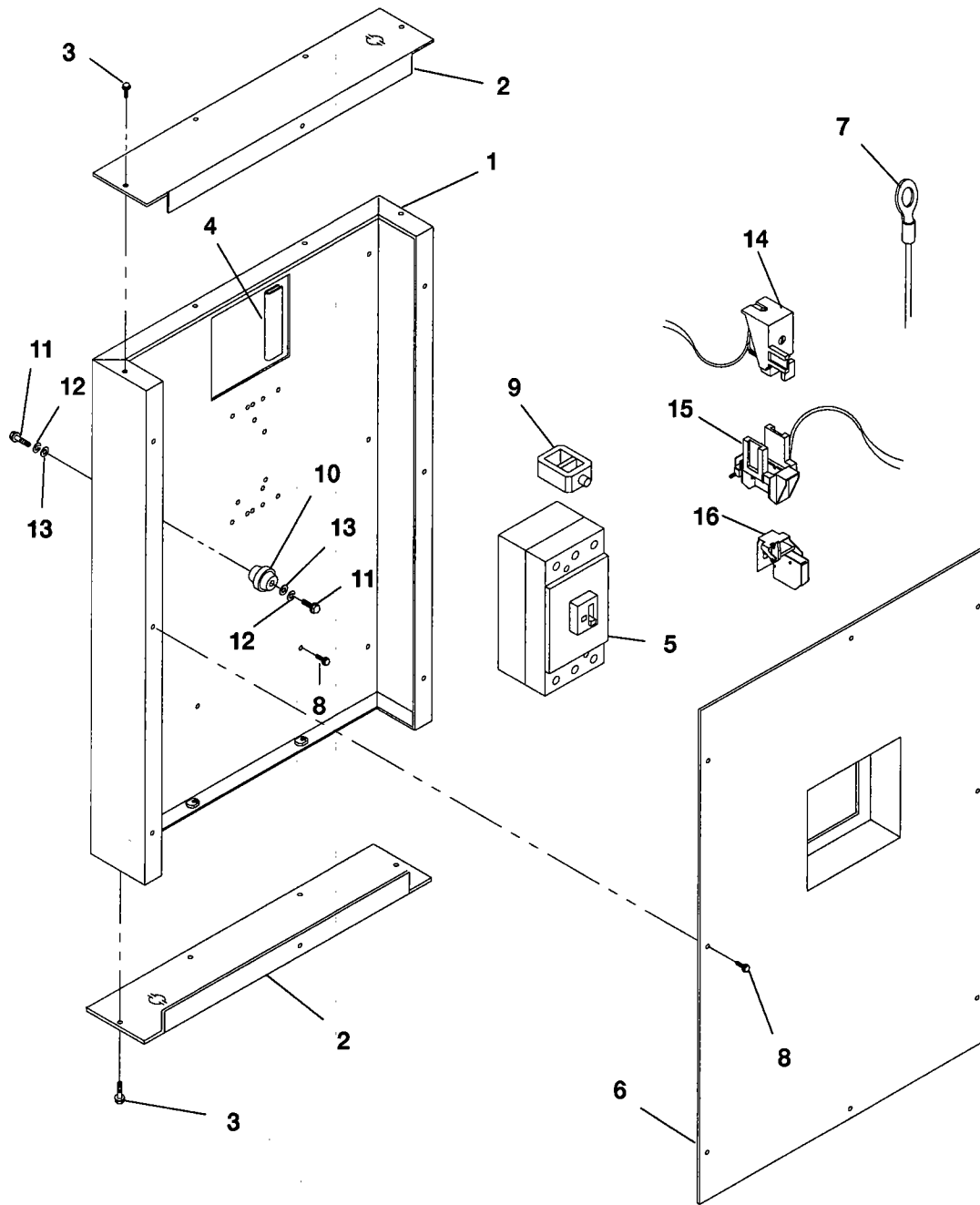
Current Transformer



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Transformer, Current (CT21, CT22, CT23)
	302-1845-06	3	Ratio 200/5 or 400/5
	302-1845-07	3	Ratio 250/5 or 500/5
	302-1845-08	3	Ratio 375/5 or 750/5

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
2	338-2229	1	Harness, Wiring

Circuit Breaker Non-UL Approved

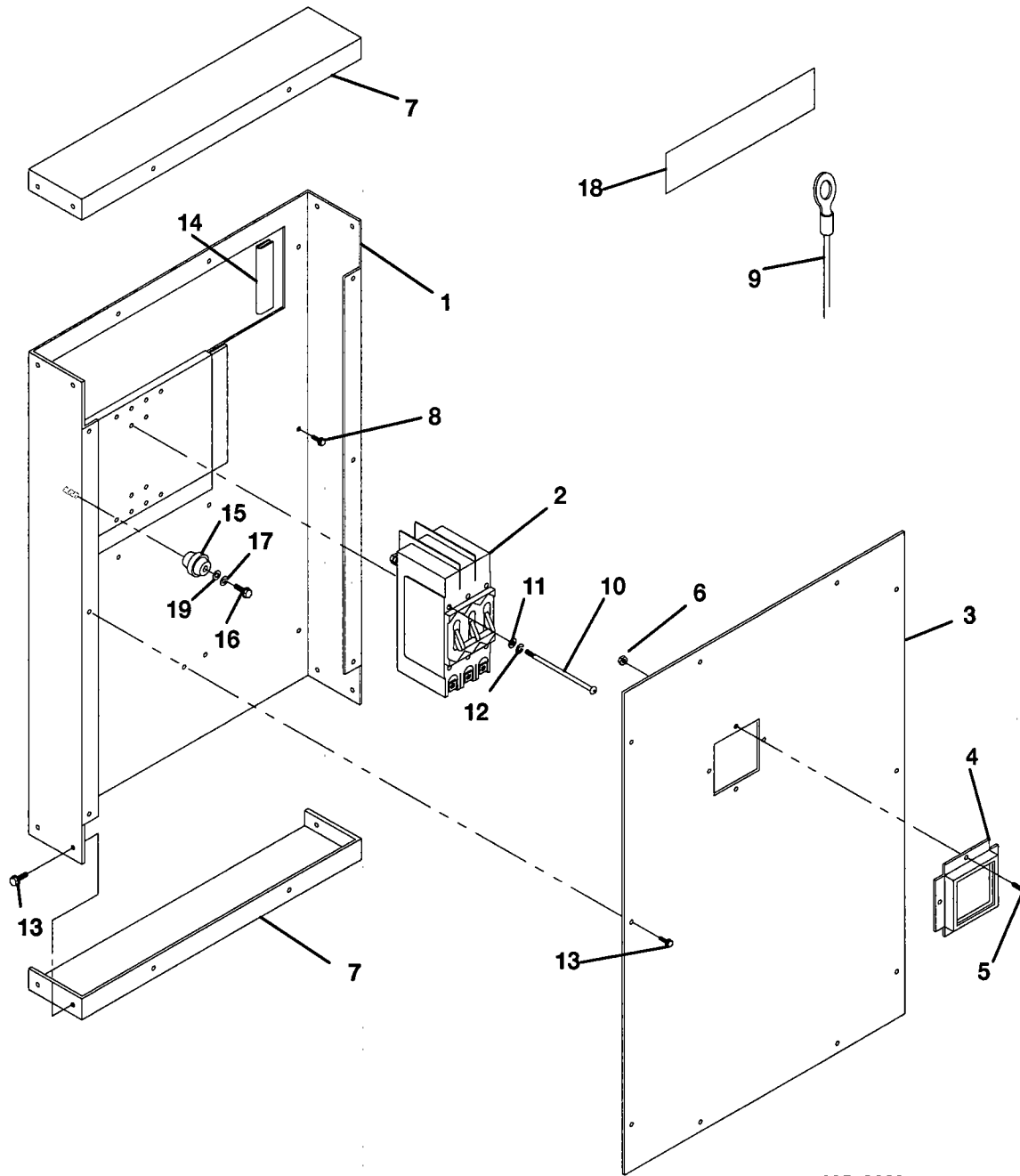


625-2431

Circuit Breaker Non-UL Approved

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-1332	1	Box, Mounting – Circuit Breaker	8	821-0010	13	Screw, Self-Locking – Hex Washer Head (1/4-20 x 1/2")
2	319-1333	2	Panel, Box	9			Lug Set – Circuit Breaker (Packaged in Sets – Two Lugs Per Set) (Quantity Used As Required)
3	821-5002-03	8	Screw, Self-Locking – Hex Washer Head (1/4-20 x 1/2")				
4	508-0239	–	Edging – Bulk (Order By The Foot – 2 Feet Required)				
5			Breaker, Circuit (Includes Mounting Screws) (Circuit Breaker Lugs Not Included) (CB21)		320-1755-11	1	160 Amp Breakers
					320-1755-12	1	200, 250 Amp Breakers
					320-1755-13	1	320, 400 Amp Breakers
					320-1755-14	1	500, 630 Amp Breakers
			Three Pole Breakers	10	332-2744-07	1	*Standoff, Insulator
	320-1725-06	1	160 Amp	11	800-0048	2	*Screw, Cap – Hex Head (3/8-16 x 3/4")
	320-1726-06	1	200 Amp				
	320-1726-07	1	250 Amp	12	850-0050	2	*Washer, Lock – Spring (3/8")
	320-1727-02	1	320 Amp	13	526-0029	2	*Washer, Flat (25/64" ID)
	320-1727-03	1	400 Amp	14			Trip, Shunt
	320-1728-02	1	500 Amp		320-1749-02	1	160-250 Amp Breakers
	320-1728-03	1	630 Amp		320-1749-03	1	400-630 Amp Breakers
			Four Pole Breakers	15			Alarm, Bell
	320-1725-12	1	160 Amp		320-1748-02	1	160-250 Amp Breakers
	320-1726-13	1	200 Amp		320-1748-03	1	400-630 Amp Breakers
	320-1726-14	1	250 Amp	16			Contact, Auxiliary
	320-1727-05	1	320 Amp		320-1747-03	1	160-250 Amp Breakers
	320-1727-06	1	400 Amp		320-1747-05	1	400-630 Amp Breakers
	320-1728-05	1	500 Amp				
	320-1728-06	1	630 Amp				
6			Cover, Box	* – Parts Used for Three Pole Circuit Breaker Application			
	319-1335	1	160, 200, 250 Amp Breakers				
	319-1330	1	320, 400 Amp Breakers				
	319-1331	1	500, 630 Amp Breakers				
7			Lead – Circuit Breaker (Quantity Used As Required)				
	226-0893	1	No Markings (33") Marked "LO"				
	226-3505-04	1	3 Pole Breakers (30")				
	226-1587	1	4 Pole Breakers (33")				

**Circuit Breaker
UL Approved**



625-3022

Circuit Breaker UL Approved

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-2422	1	Box, Mounting – Circuit Breaker				
2			Breaker, Circuit (Includes Lugs) (CB21)				With Auxiliary Contacts and Shunt Trip
			Two Pole Breakers – 600 Amp	320-1491-08	1		175 Amp
				320-1491-09	1		200 Amp
320-1513-12	1		Standard	320-1491-10	1		225 Amp
320-1516-12	1		With Auxiliary Contacts	320-1492-06	1		250 Amp
320-1522-12	1		With Shunt Trip	320-1492-07	1		300 Amp
320-1537-12	1		With Auxiliary Contacts and Shunt Trip	320-1492-08	1		350 Amp
			Three Pole Breakers	320-1492-09	1		400 Amp
			Standard	320-1492-10	1		450 Amp
320-1459-08	1		175 Amp	320-1492-12	1		600 Amp
320-1459-09	1		200 Amp	320-1641-18	1		With Auxiliary Contacts and Bell Alarm – 250 Amp
320-1459-10	1		225 Amp	320-1637-13	1		With Bell Alarm and Shunt Trip – 250 Amp
320-1460-06	1		250 Amp	3	319-2425	1	Cover, Box
320-1460-07	1		300 Amp	4	301-9891	1	Cutout, Cover
320-1460-08	1		350 Amp	5	813-0100	4	Screw, Machine – Round Head (#10-32 x 1/2")
			400 Amp	6	870-0131	4	Nut, Hex – W/ET (#10-32)
320-1555-18	1		240 Volt	7	319-2426	2	Cover, Box
320-1460-09	1		600 Volt	8	821-5000-05	8	Screw, Self-Locking – Hex Washer Head (#10-32 x 1/2")
320-1460-10	1		450 Amp				Lead – Circuit Breaker (Quantity Used As Required)
320-1460-11	1		500 Amp	9			No Marking (33")
320-1460-12	1		600 Amp		226-0893	1	Marked "LO" (30")
			With Auxiliary Contacts	10	226-3505-04	1	Screw, Machine – Round Head #8-32 x 2-3/4"
320-1463-08	1		175 Amp		812-0092	4	#10-32 x 4"
320-1463-09	1		200 Amp		813-0190	4	1/4-20 x 1-3/4"
320-1464-06	1		250 Amp	11	812-0157	4	Washer, Flat #8
320-1464-07	1		300 Amp		526-0048	4	#10
320-1464-08	1		350 Amp	12	526-0008	4	Washer, Lock #10 – Spring
			400 Amp		850-0030	4	1/4" – W/IT
320-1556-18	1		240 Volt	13	854-0014	4	Screw, Self-Locking – Hex Washer Head (1/4-20 x 1/2")
320-1464-09	1		600 Volt	14	821-5002-03	20	Edging – Bulk (Order By The Foot – 2 Feet Required)
320-1464-10	1		450 Amp	15	508-0239	–	*Standoff, Insulator
320-1464-11	1		500 Amp	16	332-2744-07	1	*Screw, Cap – Hex Head (3/8-16 x 5/8")
320-1464-12	1		600 Amp	17	800-0047	1	*Washer, Lock – Spring (3/8")
			With Shunt Trip	18	850-0050	1	Strip, Copper (Used for wrapping ends of leads before securing to circuit breakers) (Quantity Used As Required)
320-1471-08	1		175 Amp	19	091-0002	1	*Washer, Flat (3/8")
320-1471-09	1		200 Amp				
320-1471-10	1		225 Amp				
320-1472-06	1		250 Amp				
320-1472-07	1		300 Amp				
320-1472-08	1		350 Amp				
			400 Amp				
320-1557-66	1		240 Volt				
320-1472-09	1		600 Volt				
320-1472-10	1		450 Amp				
320-1472-11	1		500 Amp				
320-1472-12	1		600 Amp				

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