



Parts Catalog

Onan Model

Cummins Model

DGBA

DGBB

DGBC

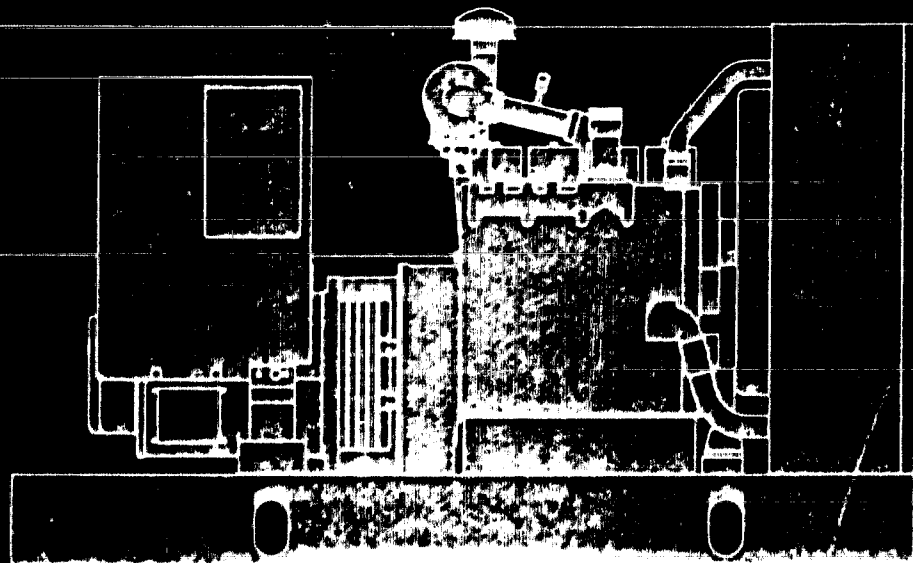
DGCA

DGCB

BT41

BT42

GENERATOR SET



Printed in U.S.A.

960-0231 (DGBA, DGCA, DGCB Spec B-J)

6-93

(DGBB Spec A, B - DGBC Spec A)

Replaces (Spec B-J)

2-93

(DGBB Spec A)

Introduction

This catalog applies to Onan Generator Models DGBA, DGBB, DGBC, DGCA, DGCB and Cummins Generator Models BT41 and BT42 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 dealer for assistance in ordering replacement parts.

Replacement Engine

<u>Onan/Cummins Generator Model</u>	<u>Cummins Generator Model</u>	<u>Cummins Engine Model</u>	<u>Cummins Engine Spec No.</u>
32DGBA		4B3.9-G	SES1168
37DGBA		4B3.9-G	SES1168
32DGBB		4B3.9-G	SES1691
35DGBB		4B3.9-G	SES1691
32DGBC		4B3.9-G	SES1691
40DGBC		4B3.9-G	SES1691
40DGCA	40BT41	4BT3.9-G1	SES1169
50DGCA	50BT41	4BT3.9-G1	SES1169
50DGCB	50BT42	4BT3.9-G2	SES1170
60DGCB	60BT42	4BT3.9-G2	SES1170

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

Generator Set Data Table

MODEL AND SPECIFICATION	ELECTRICAL DATA					BATTERY VOLTAGE
	WATTS	VOLTS	HERTZ	WIRE	PHASE	
32DGBA/*	32,000	#	50	12	1 or 3	24
37DGBA/*	37,000	#	60	12	1 or 3	24
32DGBB/*	32,000	#	50	12	1 or 3	24
35DGBB/*	35,000	#	60	12	1 or 3	24
32DGBC/*	32,000	#	50	12	1 or 3	24
40DGBC/*	40,000	#	60	12	1 or 3	24
40DGCA/*	40,000	#	50	12	1 or 3	24
40BT41						
50DGCA/*	50,000	#	60	12	1 or 3	24
50BT41						
50DGCB/*	50,000	#	50	12	1 or 3	24
50BT42						
60DGCB/*	60,000	#	60	12	1 or 3	24
60BT42						

- * - 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 a standard model. The specification letter advances (A to B, B to C, etc.) with major manufacturing changes.
- # - Broad range reconnectable.

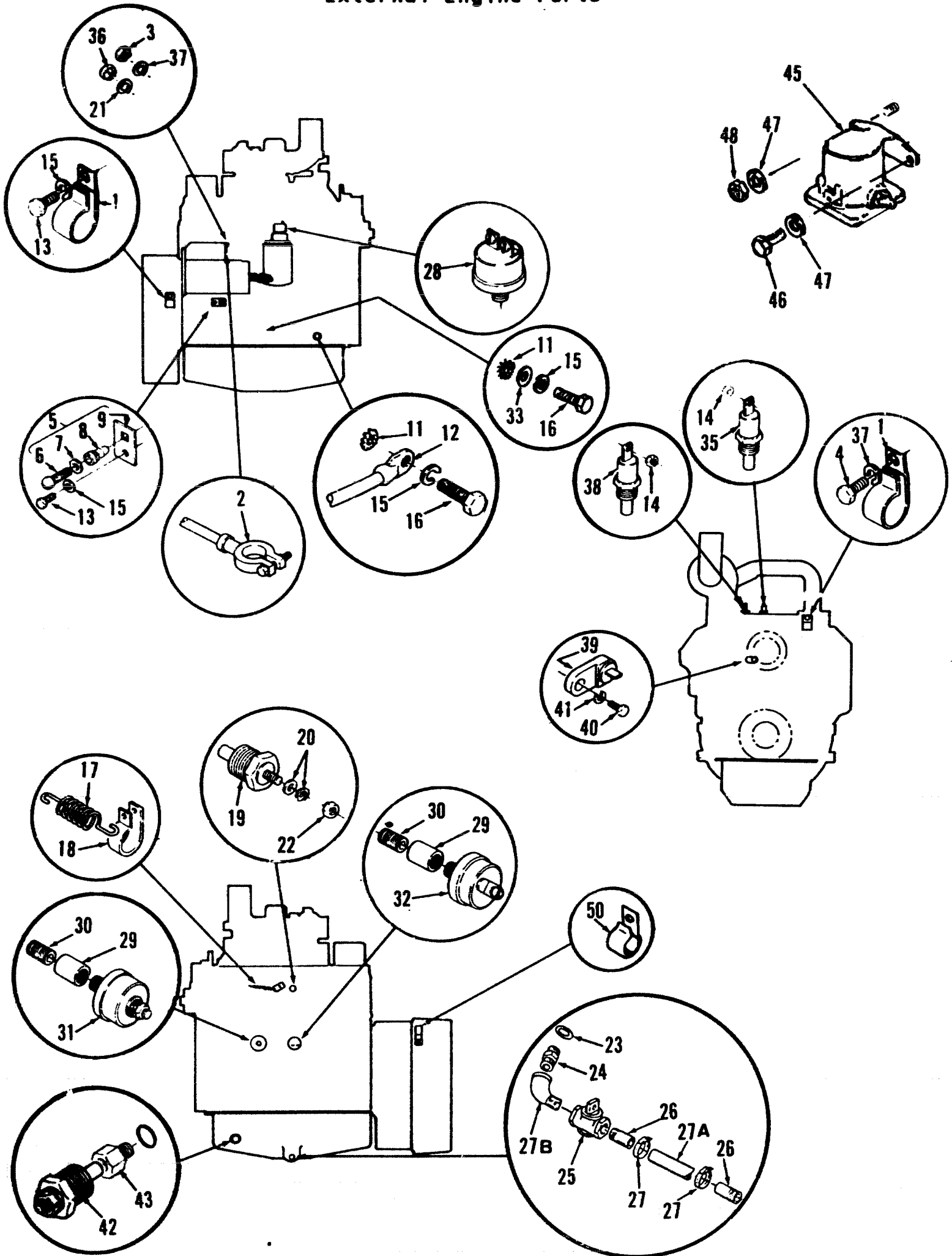
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External Engine Parts

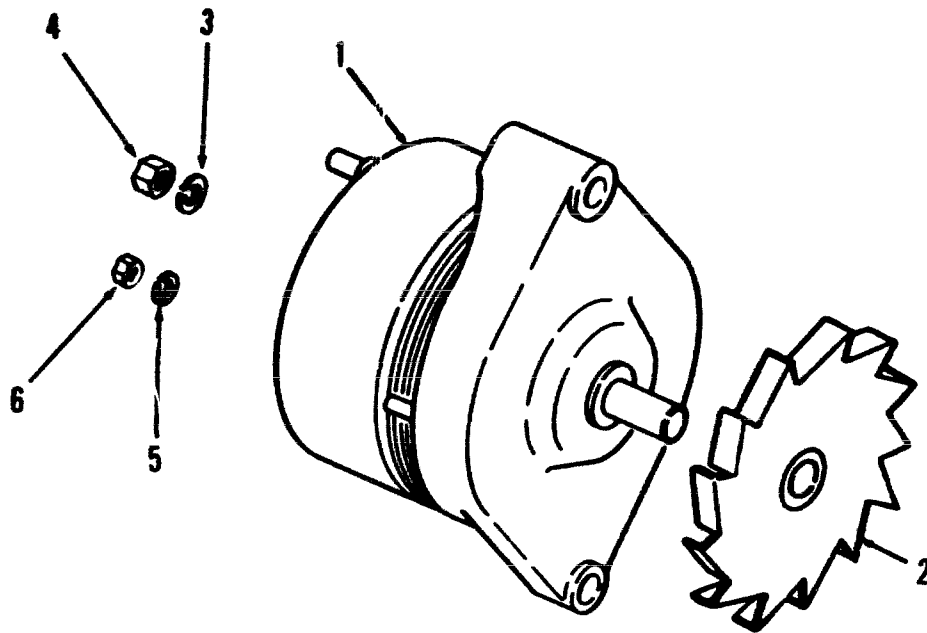


External Engine Parts

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-2921	2	Clamp, "J"	27B	505-0050	1	Elbow, Pipe
2	416-0921-01	1	Cable, Battery (24") To Starter	28	309-0272	1	Switch, Pressure - Oil (S5 - Pre-Alarm)(Closes at 20 lbs. Descending)
3	860-2009	1	Nut, Hex - Brass (M10)	29	505-0026	2	Coupling, Pipe (1/8")
4	800-2085	1	Screw, Cap - Hex Head (M10x1.5 x 20mm)	30	505-0098	2	Nipple, Pipe (1/8" x 3/4")
5	332-2739	1	Terminal Assembly (Includes Parts Marked *) (T26)	31	193-0244	1	Sender, Pressure - Oil (E1)
6	809-0036	1	*Screw, Sheet Metal - Round Head (#8 x 7/8")	32	309-0561	1	Switch, Pressure - Oil (S1)
7	508-0015	1	*Washer, Fiber	33	526-2140	1	Washer, Flat (M12)
8	870-0196	1	*Nut, Insulation	35	309-0554	1	Switch, Thermostat - High Engine Coolant Temperature (Opens at 205°F - Closes at 230°F) (S2)
9	332-2738	1	*Bracket, Terminal				
11	856-0013	2	Washer, Lock - EIT (1/2")	36	860-2006	1	Nut, HMS (M5 x.8)
12	416-0893	1	Cable, Battery - Ground (10")	37	850-2010	2	Washer, Lock (M10)
13	800-2110	2	Screw, Cap - Hex Head (M12 x 20mm)	38	309-0553	1	Switch, Thermostat - High Engine Coolant Temperature (Opens at 195°F - Closes at 220°F) (S6 - Pre-Alarm)
14	870-0221	2	Nut, Hex W/ET (#8-32)	39	309-0269	1	Switch, Temperature - Low Engine Coolant (S4)
15	850-2012	4	Washer, Lock - Spring (M12)	40	800-2058	1	Screw, Cap - Hex Head (M8 x 35mm)
16	800-2111	2	Screw, Cap - Hex Head (M12x1.75 x 20mm)	41	850-2008	1	Washer, Lock - Spring (M8)
17	150-2546	1	Spring, Throttle Expansion	42	193-0388	1	Sender, Temperature - Oil
18	518-0350	1	Clamp, Insulated	43	505-1373	1	Bushing, Reducer (M22 x 1/8) (Includes Sealing Washer)
19	193-0375	1	Sender, Temperature - Water (E2)	45	300-2167	1	Relay, Solenoid - Start (Not Shown)
20	526-0008	2	Washer, Flat (#10)	46	821-0010	1	Screw, Locking - Hex Washer Head (1/4-20 x 1/2")
21	850-0030	2	Washer, Lock - Spring (#10)	47	856-0006	2	Washer, Lock - EIT (1/4")
22	870-0131	2	Nut, Hex W/ET (#10-32)	48	862-0013	1	Nut, Hex (1/4-20)
23	102-1147	1	Gasket, Drain - Oil	50	332-3196	1	Clamp, "J"
24	102-1237	1	Adapter, Drain - Oil				
25	504-0011	1	Valve, Drain - Oil				
26	505-0185	2	Nipple, Pipe				
27	503-0197	2	Clamp, Hose				
27A	503-1195	1	Hose, Drain - Oil				

* - Parts Included in 332-2739 Terminal Assembly.

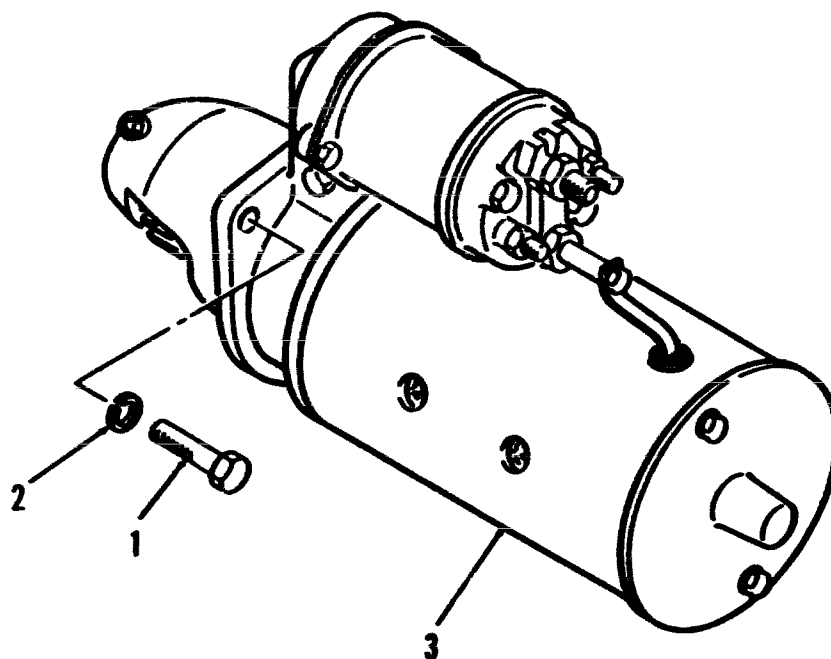
Alternator DGBA



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	191-1983-02	1	Alternator - 24 Volt
2	191-1981	1	Fan, Alternator
3	850-2008	1	Washer, Lock (M8)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	860-2008	1	Nut, Hex (M8)
5	850-2005	2	Washer, Lock (M5)
6	860-2006	2	Nut, Lock (M5)

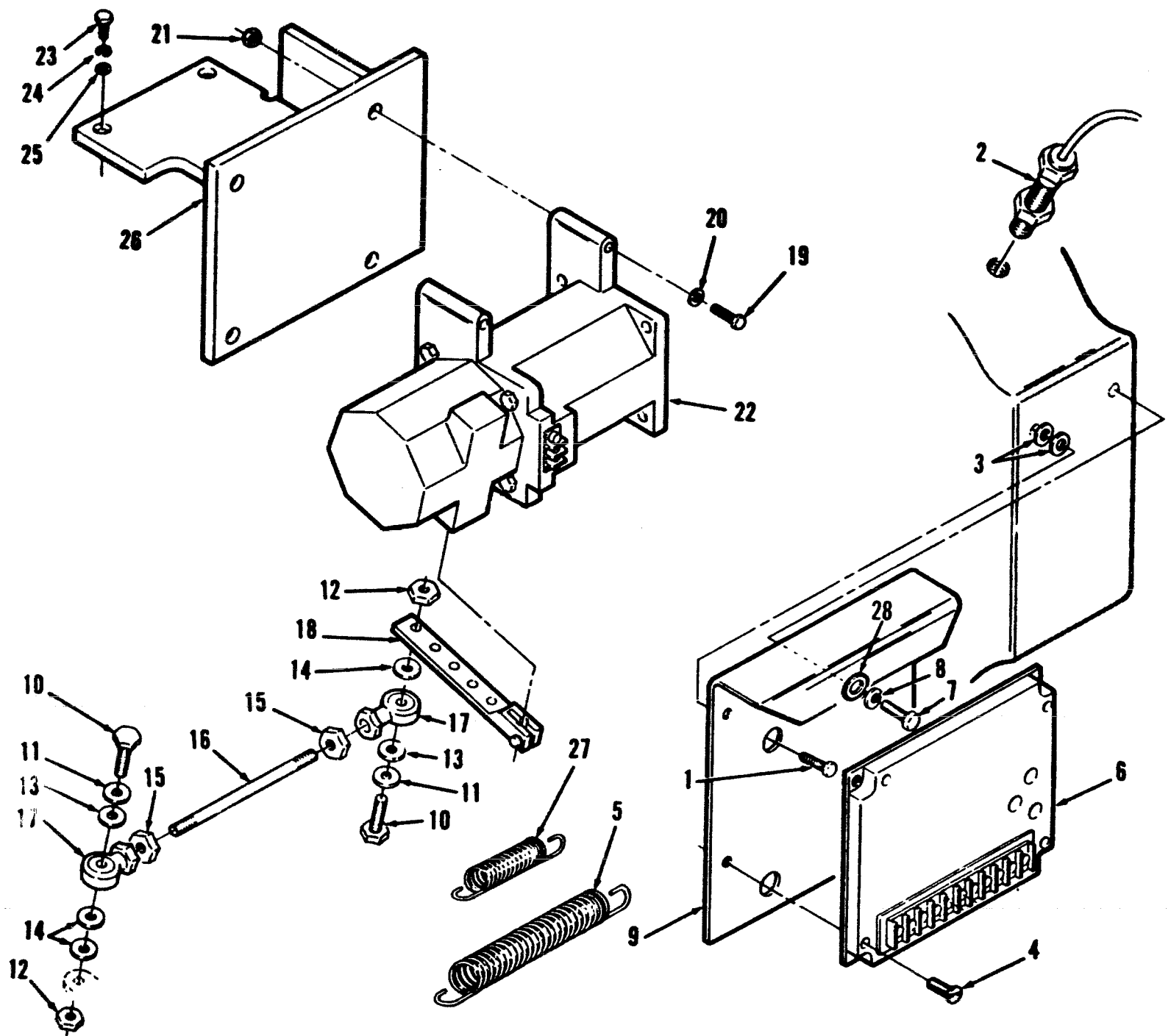
**Starter
D8BA D8CA**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	800-2088	3	Screw, Cap -- Hex Head (M10 x 1.5 x 35)
2	850-2010	3	Washer, Lock - Spring (M10)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
3			Starter -- 24 Volt
	191-1962-02	1	Negative Ground (Spec B-F)
	191-1963-02	1	Isolated Ground (Spec B-F)
	191-2103	1	Negative Ground (Spec G)

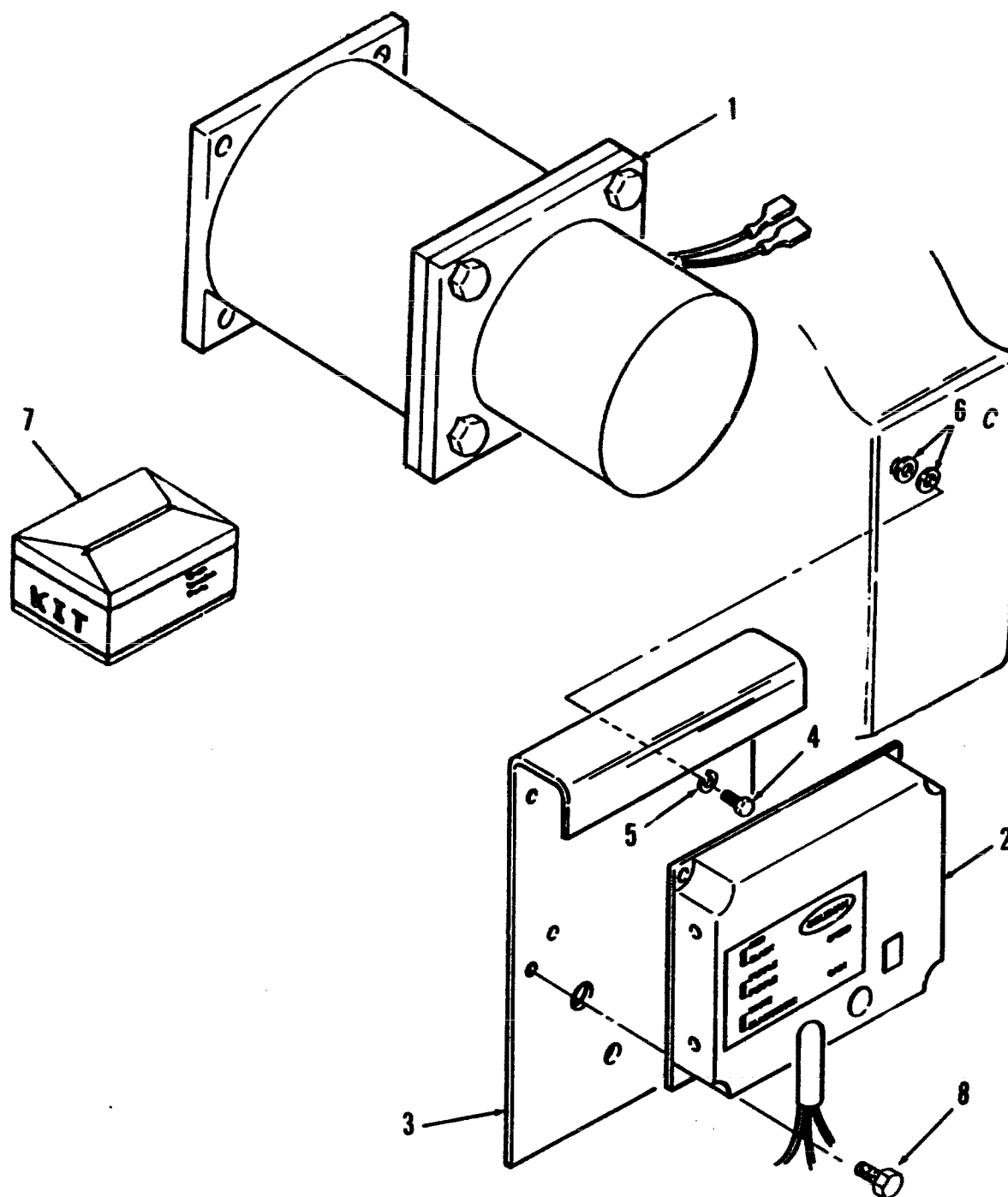
Electronic Governor



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	800-2111	1	Screw, Cap - Hex Head (M12 x 25mm)
2	150-2201	1	Sensor, Speed - Magnetic
3	526-0219	2	Washer, Flat (1/2")
4	821-0005	4	Screw, Whizlock (#10-32 x 3/4")
5	150-2232	1	Spring, Governor (2" Long)
6	151-0611	1	Control, Governor (24 Volt DC)
7	800-2110	2	Screw, Cap - Hex Head (M12 x 20mm)
8	850-2012	2	Washer, Lock - Spring (M12)
9	150-2007	1	Bracket, Controller
10	815-0172	2	Screw, Machine - Hex Head (#10-32 x 1")
11	526-0179	2	Washer, Flat - Special
12	870-0131	2	Nut, Hex - With ET (#10-32)
13	526-0008	2	Washer, Flat (#10)
14	526-0196	3	Washer, Flat - Aluminum (7/32")

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
15	870-0053	2	Nut, Hex (#10-32)
16	150-2218-01	1	Rod, Governor
17	150-2251	2	End, Rod
18	150-2203	1	Lever, Actuator
19	800-0013	4	Screw, Cap - Hex Head (1/4-20 x 2-1/2")
20	526-0018	4	Washer, Flat (1/4")
21	870-0212	4	Nut, Self-Locking (1/4-20)
22	151-0632	1	Actuator (24 Volt DC) (A1)
23	800-2060	3	Screw, Cap - Hex Head (M8 x 35mm)
24	850-2008	3	Washer, Lock - Spring (M8)
25	526-0115	3	Washer, Flat (5/16")
26	150-2187	1	Bracket, Governor
27	150-2231	1	Spring, Governor (5/8" Long)
28	526-2140	2	Washer, Flat

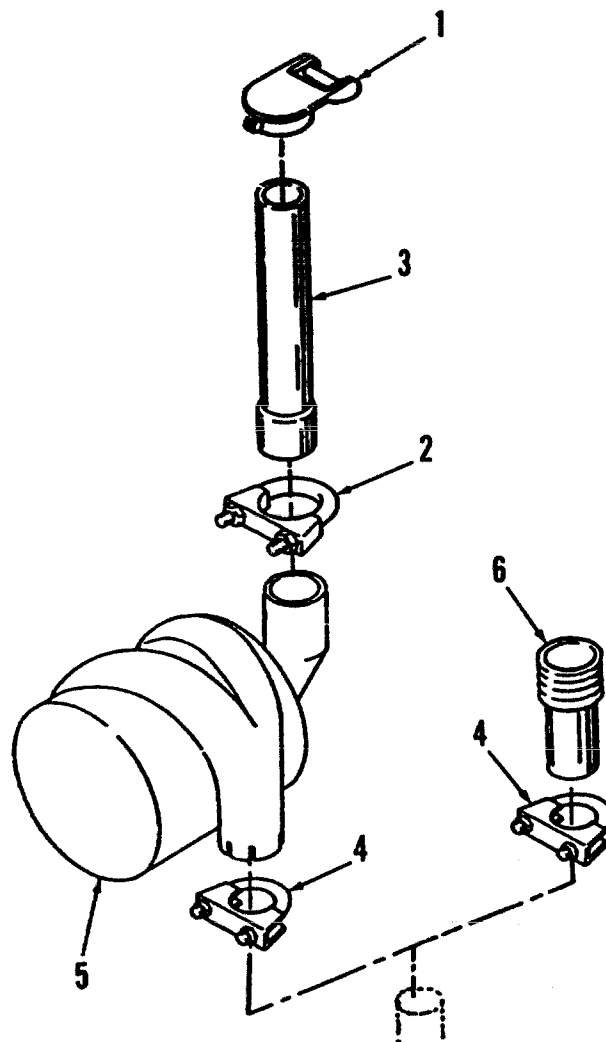
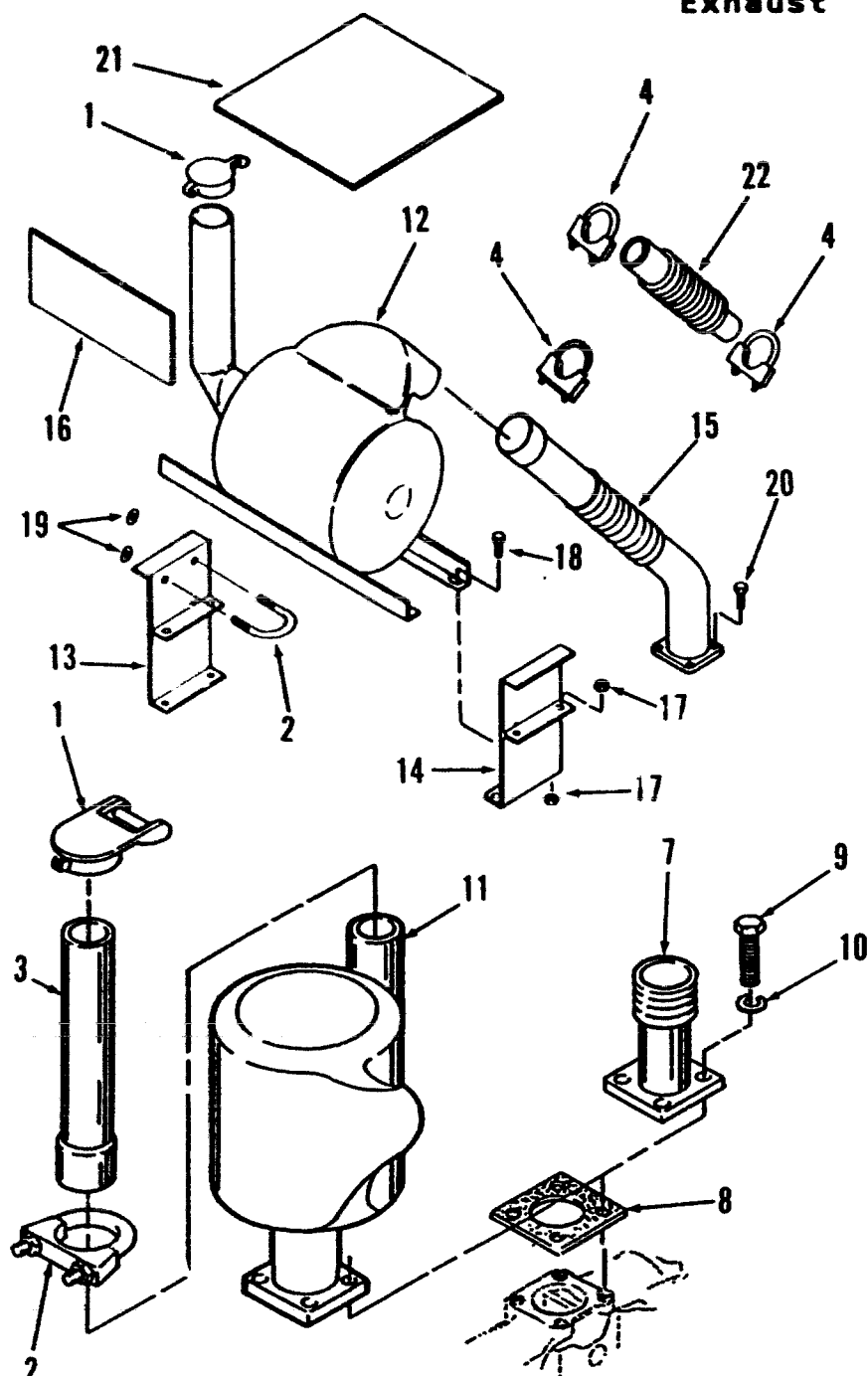
Electronic Governor



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	150-2331	1	Actuator, 24 Volt
2	151-0715-02	1	Control, Governor - 24 Volt
3	149-2309	1	Bracket, Controller
4	800-2110	2	Screw, Cap - Hex Head (M12 x 1.75 x 20mm)
5	850-2012	2	Washer, Lock (M12)

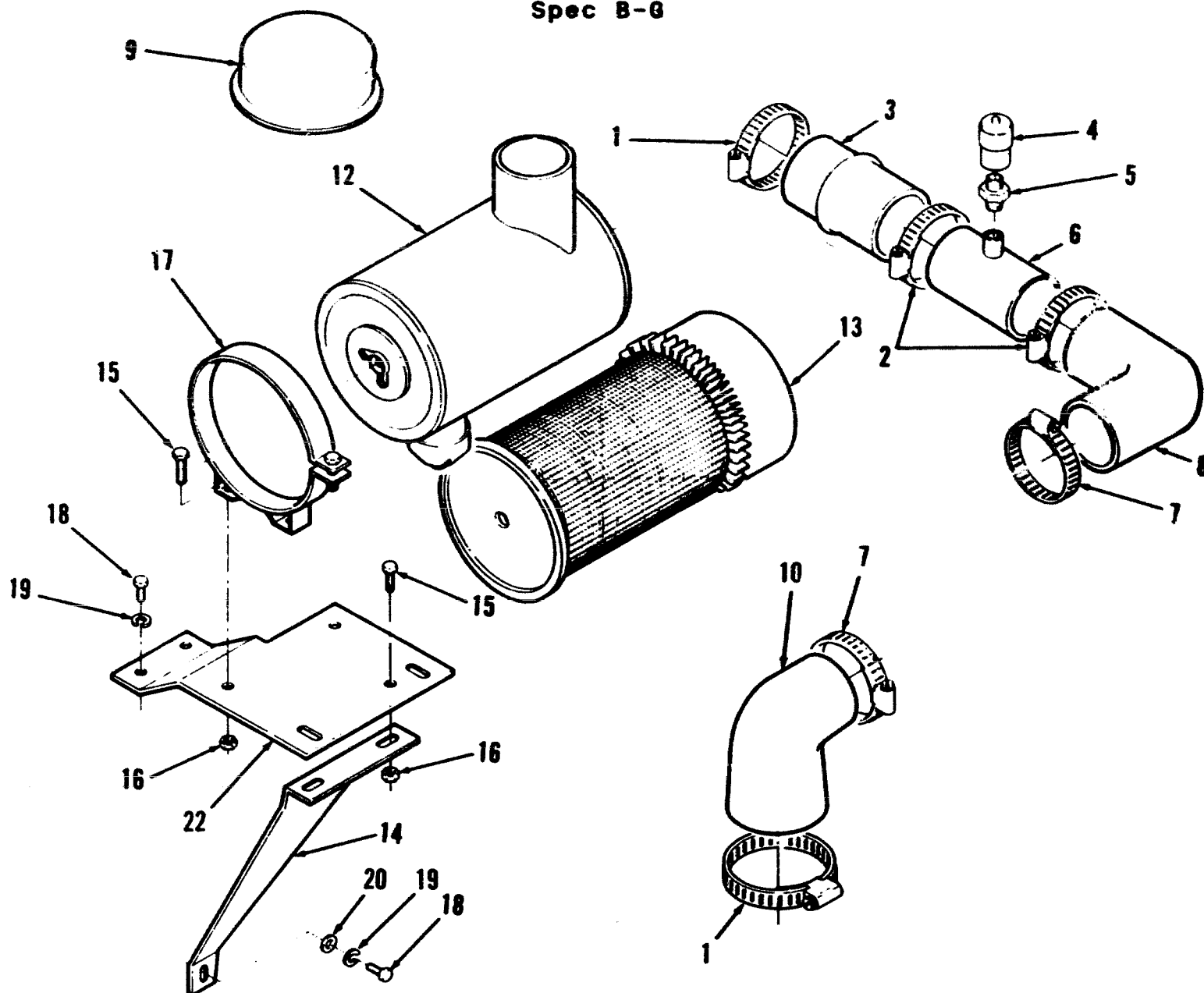
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
6	526-2140	2	Washer, Flat (M12)
7	150-2578	1	Package, Mounting - Governor (Includes Bracket, Clevis Spring and Lever)
8	821-0005	4	Screw, Cap - Hex Head (#10-32 x .375")

Exhaust



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-2062-01	1	Cap, Rain	13	155-2660	1	Bracket, Front DGCA, DGCA, DGCB (Spec H)
2	155-2080	1	Clamp, Muffler (2.5")	14	155-2661	1	Bracket, Rear DGCA, DGCA, DGCB (Spec H)
3	154-2581	1	Tube, Exhaust	15	155-2701	1	Pipe, Exhaust DGCA, DGCA, DGCB (Spec H)
4	155-2175	1	Clamp, Exhaust - DGCA, DGCB	16	128-0154-01	1	Insulation, Foam DGCA, DGCA, DGCB (Spec H)
5	155-2256	1	Muffler, Exhaust - DGCA, DGCB (Spec B-G)	17	870-0257	8	Nut, Hex - Lock (5/16-18)
6	155-2253	1	Adapter, Exhaust - DGCA, DGCB (Spec B-G)	18	821-0016	4	Screw, Locking Hex Head (5/16-18 x .75")
7	154-2706	1	Adapter, Exhaust - DGCA (Spec B-G)	19	526-0115	4	Washer, Flat (5/16")
8	154-2708	1	Gasket, Exhaust - DGCA (Spec B-G)	20	800-2086	4	Screw, Cap - Hux Head (M10x25mm)
9	800-2086	4	Screw, Cap - Hex Head (M10 x 1.5 x 25) - DGCA (Spec B-G)	21	128-0154-02	1	Insulation, Foam DGCA, DGCA, DGCB (Spec H)
10	850-2010	4	Washer, Lock (M10) - DGCA (Spec B-G)	22	155-2659	1	Tubing, Flexible DGCA, DGCB (Spec H)
11	155-2257	1	Muffler, Exhaust - DGCA (Spec B-G)				
12	155-2687	1	Silencer DGCA, DGCA, DGCB (Spec H)				

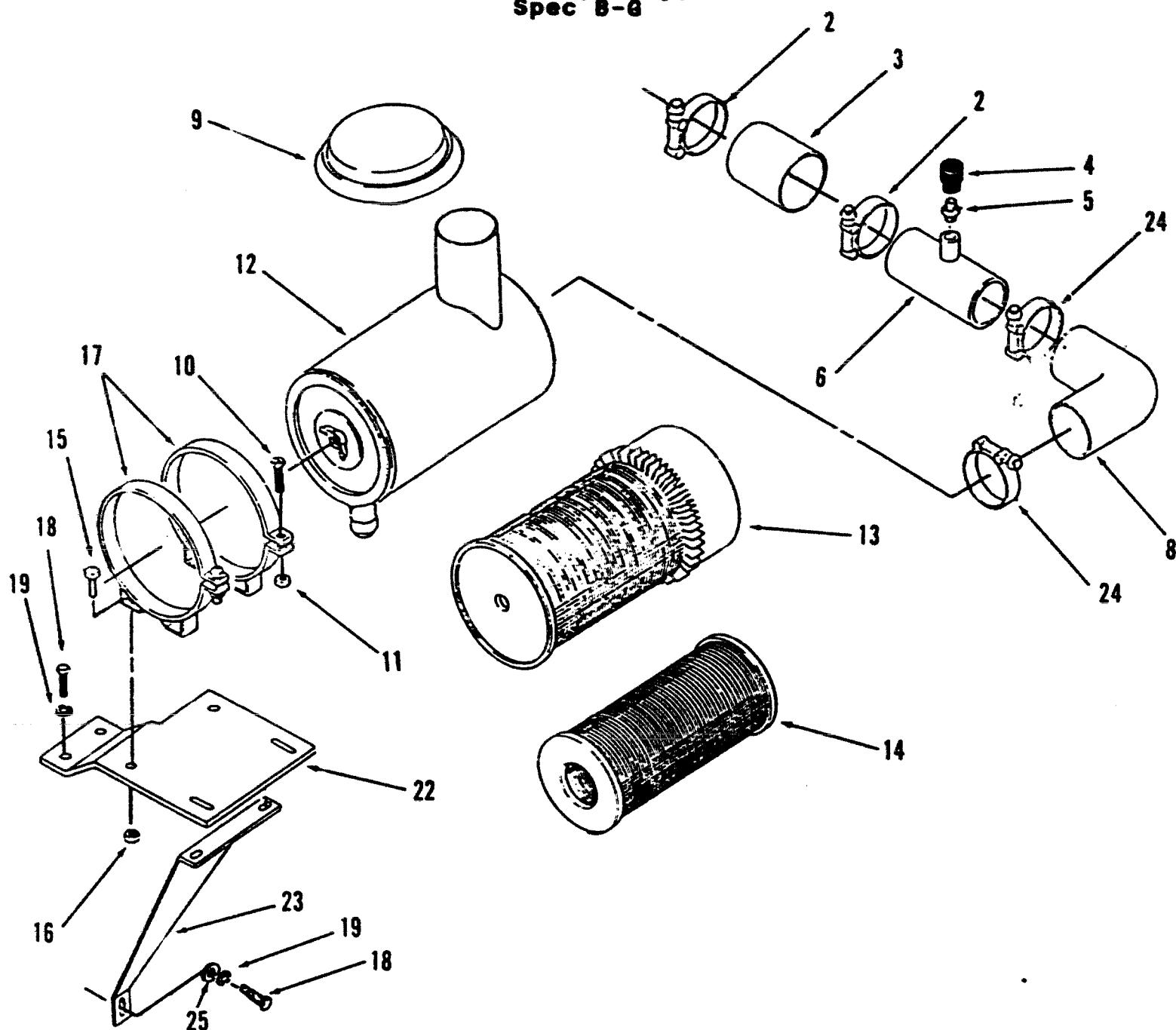
Air Cleaner Spec B-G



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	503-0868	1	Clamp, Hose - T-Bolt (3-1/2")
2	503-0998	2	Clamp, Hose
3	503-1543	1	Hose, Reducer (3"ID to 2-3/4"ID) - DGCA, DGCB
4			Indicator
	140-2008	1	DGBA
	140-1548	1	DGCA, DGCB
5	140-1260	1	Fitting, Service Indicator
6			Tube, Air Inlet
	140-2177	1	DGBA
	140-2166	1	DGCA, DGCB
7			Clamp, Hose
	503-0999	3	DGBA
	503-0999	1	DGCA, DGCB
8			Elbow, Air Inlet
	140-1864	1	DGBA
	140-1542	1	DGCA, DGCB (Reducing)
9	140-2157	1	Cap, Air Cleaner
10	503-1520	1	Elbow, Reducing - 90° (3"ID to 2-1/4"ID) - DGBA
12	140-2158	1	Cleaner, Air (Incl Element)
13	140-2159	1	Element, Air Cleaner
14			Bracket, Air Cleaner
	140-2179	1	DGBA
	140-2163	1	DGCA, DGCB

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
15			Screw, Hex Washer Head - Locking (5/16-18 x 3/4")
	821-0016	4	DGBA
	821-0016	5	DGCA, DGCB
16			Nut, Lock - Hex Washer Head (5/16-18)
	870-0257	4	DGBA
	870-0257	5	DGCA, DGCB
17	140-2227	2	Band, Air Cleaner Mounting
18			Screw, Cap - Hex Head
	800-2085	2	DGBA (M10 x 1.5 x 20)
	800-2110	1	DGBA (M12 x 20mm)
	800-2110	3	DGCA, DGCB (M12 x 20mm)
19			Washer, Lock - Spring
	850-2010	2	DGBA (M10)
	850-2012	1	DGBA (M12)
	850-2012	3	DGCA, DGCB (M12)
20			Washer, Flat
	526-2120	2	DGBA (M10)
	526-2140	1	DGBA (M12)
	526-2140	3	DGCA, DGCB (M12)
22			Bracket, Air Cleaner
	140-2178	1	DGBA
	140-2164	1	DGCA, DGCB

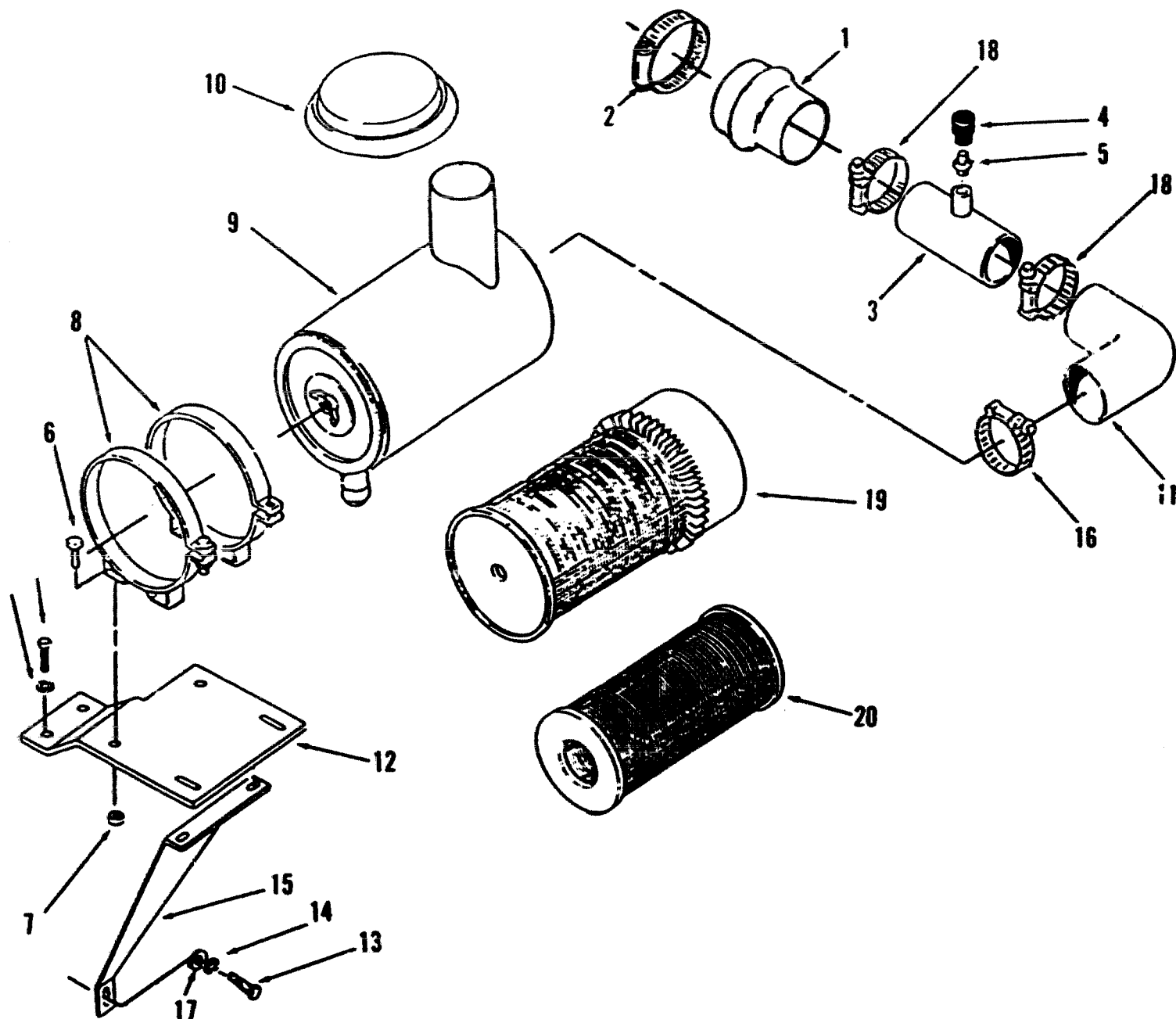
**Air Cleaner
(Heavy Duty)
Spec B-8**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
2	503-0868	2	Clamp, Hose
3	503-1460	1	Hose, Radiator
4	140-1548	1	Indicator, Service
5	140-1260	1	Adapter, Filter - Indicator
6	140-2168	1	Tube, Inlet - Air
8	140-1467	1	Elbow, Reducing - Molded Rubber
9	140-1435	1	Hood, Inlet - Air
10	815-0115	2	Screw, Machine - Fillister Head (1/4-20 x 1")
11	863-0002	2	Nut, Square (1/4-20)
12	140-2160	1	Cleaner, Air (Includes Element)
13	140-2148	1	Element, Cleaner - Air (Primary)
14	140-2150	1	Element, Cleaner - Air (Secondary)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
15	821-0016	5	Screw, Self-Locking Washer Head (5/8-18 x .75)
16	870-0257	5	Nut, Self-Locking - Hex (5/8-18)
17	140-0317	2	Band, Mounting
18	800-2110	3	Screw, Cap - Hex Head (M12 x 1.75 x 20mm)
19	850-2012	3	Washer, Lock (M12)
22	140-2164	1	Bracket, Mounting - Air Cleaner
23	140-2163	1	Bracket, Mounting - Air Cleaner
24	503-1813-07	2	Clamp, T-Bolt
25	526-2140	1	Washer, Flat (M12)

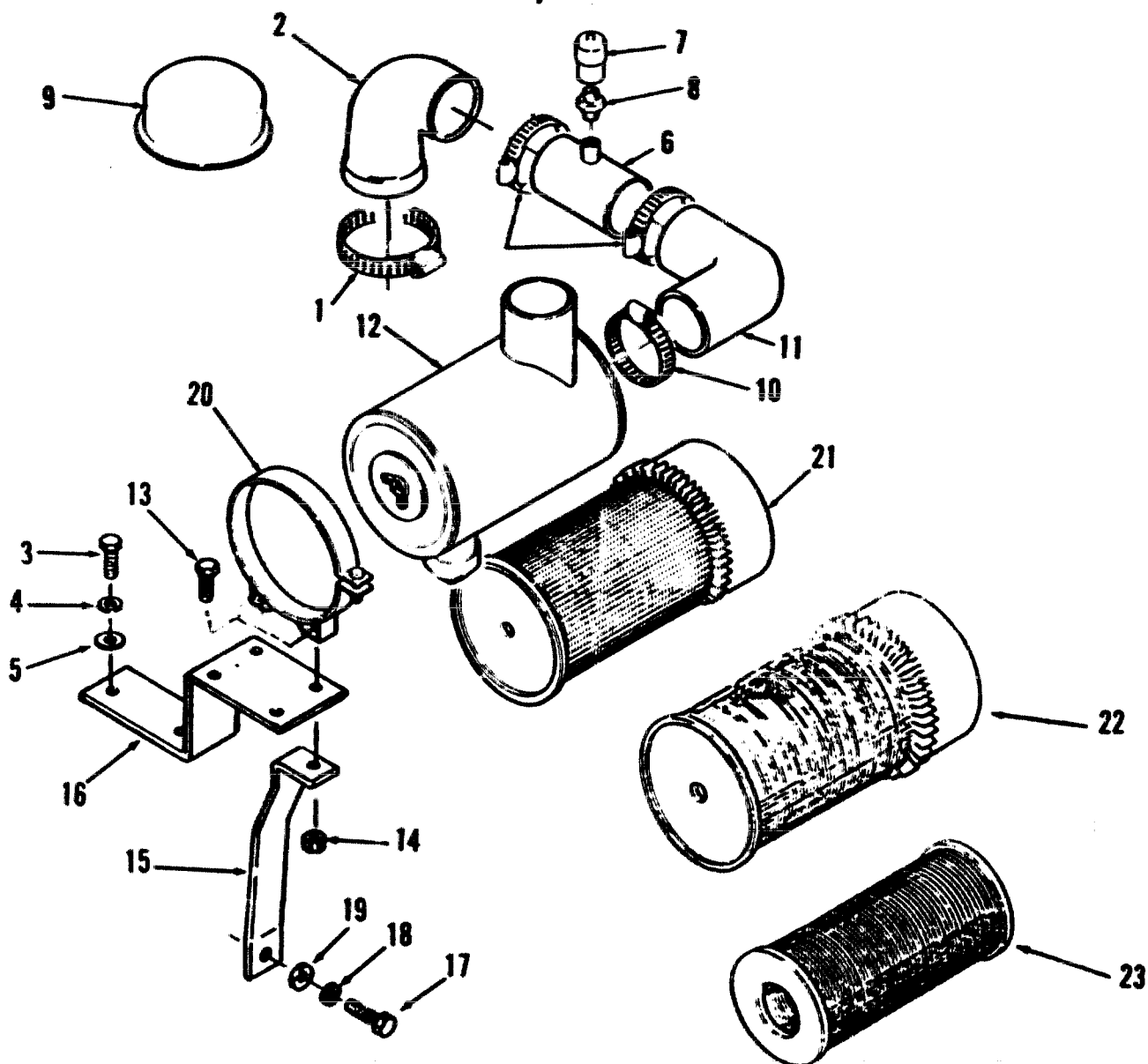
Air Cleaner DGBA Spec J



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	503-1543	1	Hose, Reducer
2	503-0868	1	Clamp T-Bolt (3-1/2")
3	140-2166	1	Tube, Inlet - Air
4	140-1260	1	Fitting, Safety Filter
5	140-1548	1	Indicator, Service
6	821-0016	5	Screw, Locking - Hex Head (5/16-18 x 3/4")
7	870-0257	5	Nut, Locking - Hex Head (5/16-18)
8	140-2227	2	Band, Air Cleaner Mounting
9			Cleaner, Air (Includes Element)
	140-2763	1	Heavy Duty
	140-2158	1	Normal Duty
10	140-2157	1	Cap, Air Cleaner

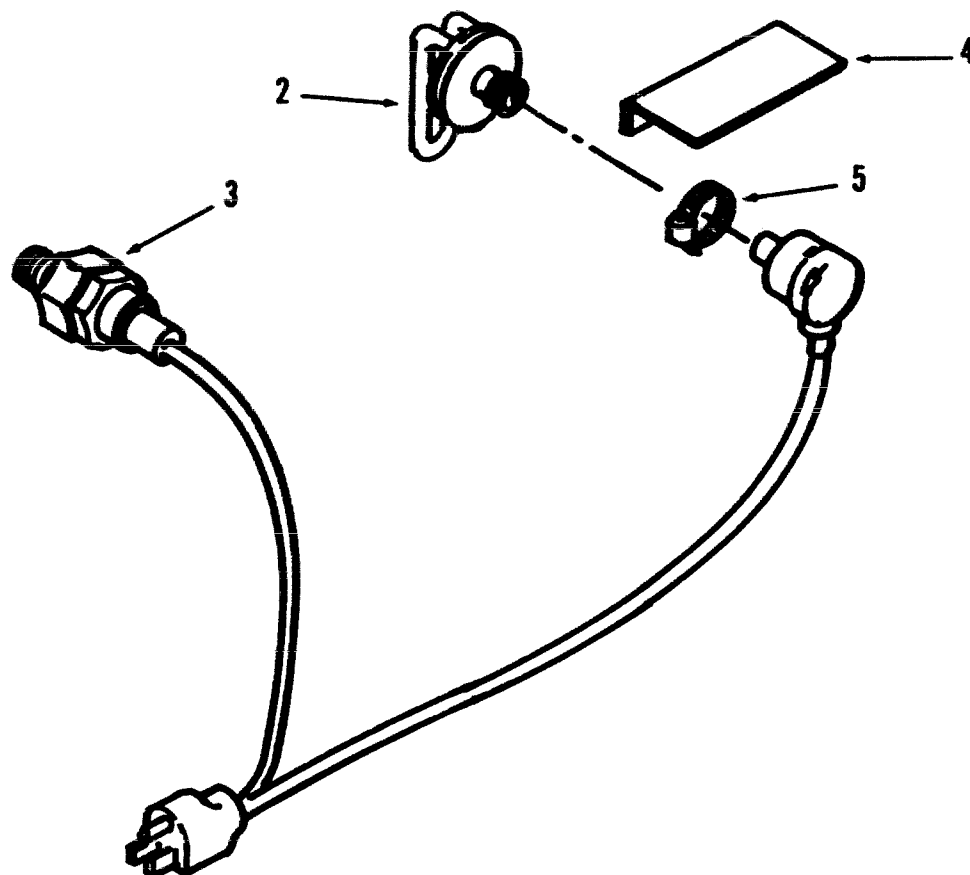
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
11	503-1542	1	Elbow, Reducing (2-3/4" to 2-1/4")
12	140-2164	1	Bracket
13	800-2110	3	Screw, Cap - Hex Head (M12x1.75 x 20mm)
14	850-2012	3	Washer, Lock (M12)
15	140-2163	1	Bracket
16	503-0999	1	Clamp, T-Bolt (2.75")
17	526-2140	1	Washer, Flat (M12)
18	503-0998	2	Clamp, T-Bolt (3-1/4")
19			Element, Cleaner - Air
	140-2697	1	Normal Duty
	140-2159	1	Heavy Duty (Primary)
20	140-2762	1	Element, Air Cleaner - Heavy Duty (Secondary)

**Air Cleaner
D8CA, D8CB - Spec J
D8BB - Spec A**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	503-0868	1	Clamp, T-Bolt (3-1/2")	13	821-0016	4	Screw, Locking - Hex Head (5/16-18 x 3/4")
2	140-2683	1	Elbow, Reducing - 74° (3"ID to 2-1/4"ID)	14	870-0257	4	Nut, Locking - Hex (5/16-18)
3	800-2085	2	Screw, Cap - Hex Head (M10x1.5 x 20mm)	15	140-2684	1	Bracket
4	850-2010	2	Washer, Lock (M10)	16	140-2682	1	Bracket
5	526-2120	2	Washer, Flat (M10)	17	800-2110	1	Screw, Cap - Hex Head (M12 x 20mm)
6	140-2177	1	Tube, Inlet - Air	18	850-2012	1	Washer, Lock (M12)
7	140-200P	1	Indicator, Service	19	526-2140	1	Washer, Flat (M12)
8	140-1260	1	Fitting, Safety - Filter	20	140-2227	2	Band, Cleaner - Air
9	140-2157	1	Cap, Cleaner - Air	21	140-2697	1	Element - Normal Duty
10	503-0999	3	Clamp, T-Bolt (2-3/4")	22	140-2159	1	Element, Primary (HD)
11	140-1864	1	Elbow, 90° (2-1/4")	23	140-2762	1	Element, Secondary (HD)
12	140-2763	1	Cleaner, Air Heavy Duty				
	140-2693	1	Normal Duty				

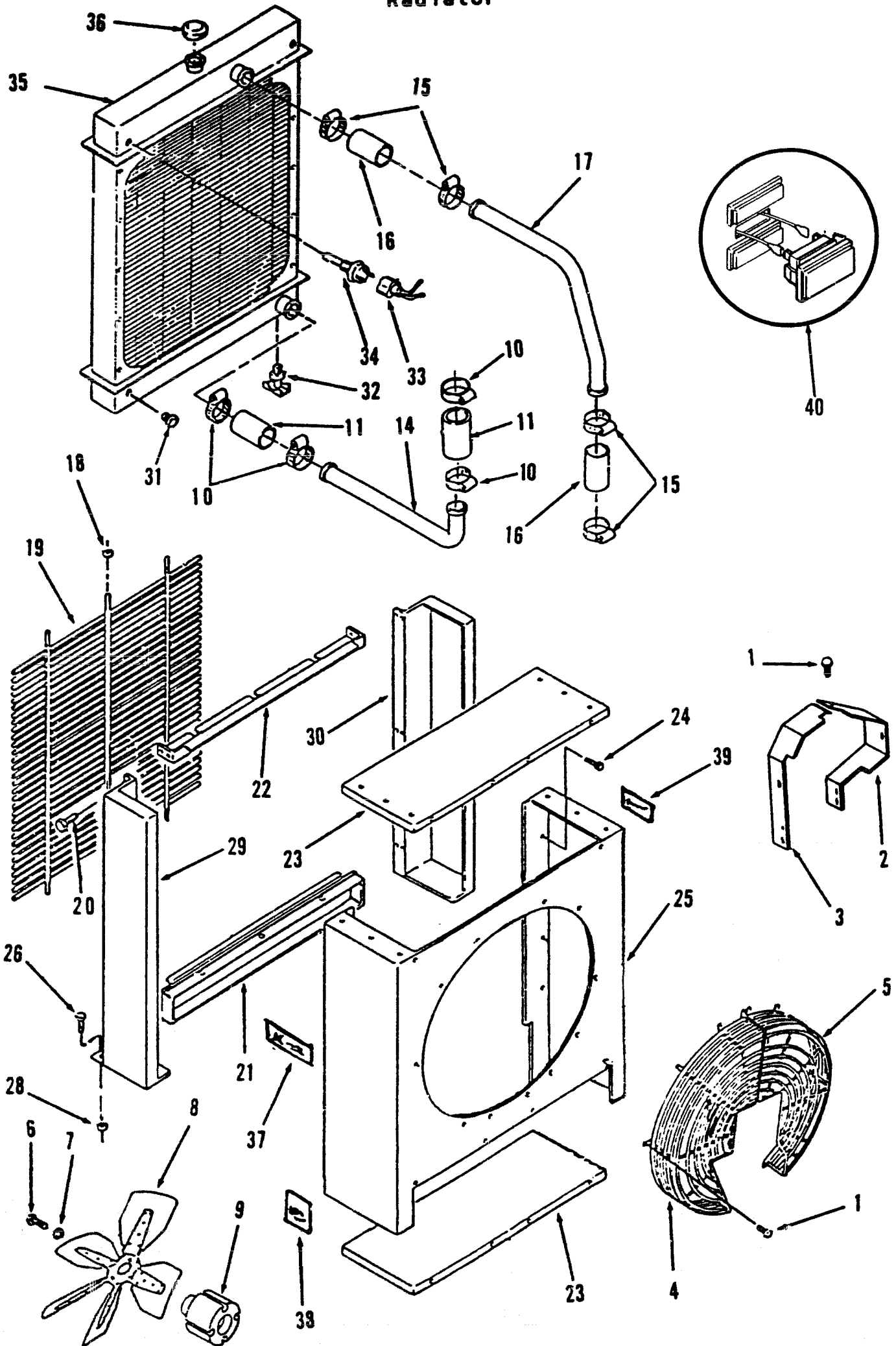
Engine Coolant Heater



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
2			Heater, Coolant - Engine (1000 Watt)
	333-0505-01	1	120 Volt AC
	333-0505-02	1	240 Volt AC

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
3	333-0478		Thermostat
4	154-2903	1	Shield, Heat
5	503-0189	1	Clamp

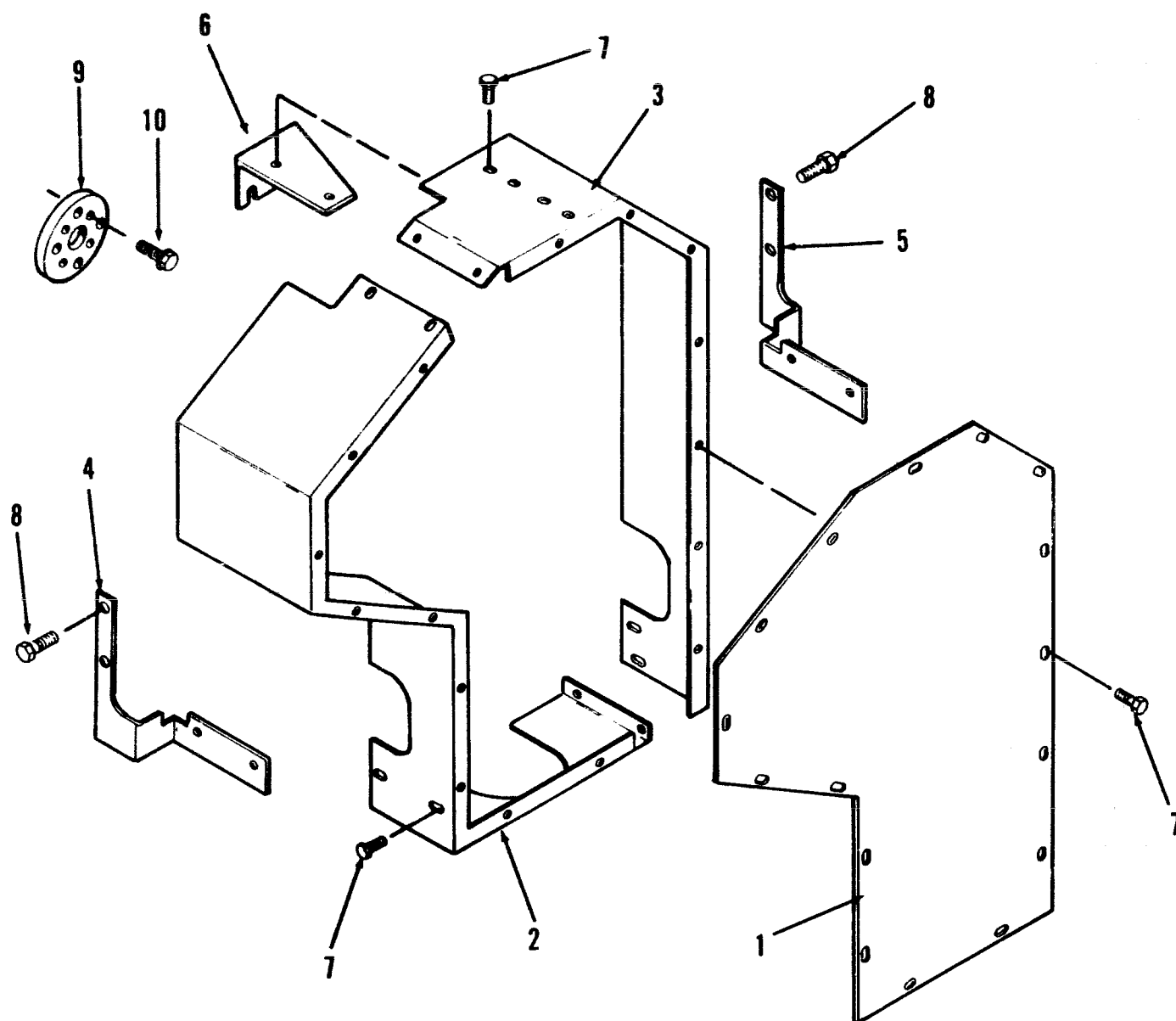
Radiator



Radiator

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	821-0018	18	Screw, Locking - Hex Washer Head (1/4-20 x 5/8")	26			Screw, Locking - Hex Washer Head (3/8-16 x 3/4")
2	130-3086	1	Guard, Belt (LH)	821-0029	6		DGBA (in Fan Guards)
3	130-3085	1	Guard, Belt (RH)	821-0029	12		DGCA, DGCGB (in Radiator Guards)
4	130-3069-01	1	Guard, Fan (RH)	29	130-3087-01	1	Guard, Radiator (RH)
5	130-3069-02	1	Guard, Fan (LH)	30	130-3087-02	1	Guard, Radiator (LH)
6	800-2068	4	Screw, Cap - Hex Head (M8 x 75mm)	31	502-0153	1	Plug, Pipe - Hex (1/4 NPT)
7	850-2008	4	Washer, Lock - Spring (M8)	32	504-0028	1	Valve, Drain (3/8 NPT)
8			Fan, Radiator	33			Harness, Wiring - Coolant Level Sender - Standard
	130-3166	1	DGBA		338-2877	1	DGBA - Spec B-G,
	130-3161	1	DGCA, DGCGB				DGBB - Spec A,
9	130-3082	1	Spacer, Fan				DGCA - Spec B-G,
10	503-0465	4	Clamp, Hose				DGCGB - Spec B-G
11	503-1379-01	2	Hose, Radiator - Lower		338-2871	1	DGBA - Begin Spec J
14	130-3084	1	Tube, Outlet - Radiator				DGBB - Begin Spec B
15	503-0365	4	Clamp, Hose				DGBC - Begin Spec A
16	503-1391-01	2	Hose, Radiator - Upper				DGCA - Begin Spec J
17	130-3083	1	Tube, Outlet - Radiator				DGCGB - Begin Spec J
18	870-0281	15	Nut, Self-Locking - Hex (3/8-16)		338-3035-01		Canadian Standard Association
19	130-3088	1	Grille, Radiator	34	193-0322	1	Sender, Level - Coolant (S2/S6)
20	821-0010	8	Screw, Locking Hex Washer Head (1/4-20 x 1/2")	35	130-3064	1	Radiator (Includes Cap)
21	130-3090	1	Support, Grille - Lower	36	130-1788	1	Cap, Radiator (14 PSI)
22	130-3089	1	Support, Grille - Upper	37	98-5390	2	Decal, Warning Rotating Fan
23	130-3092	2	Shroud	38	98-1003	2	Decal, Water Drain
24	821-0002	12	Screw, Locking - Hex Washer Head (3/8-16 x 1/2")	39	98-0961	2	Decal, Water Level
25			Wrapper, Shroud - Fan	40	322-0431-07	1	Lens, Replacement - Low Coolant Level
	130-3167	1	DGBA				
	130-3091	1	DGCA, DGCGB				

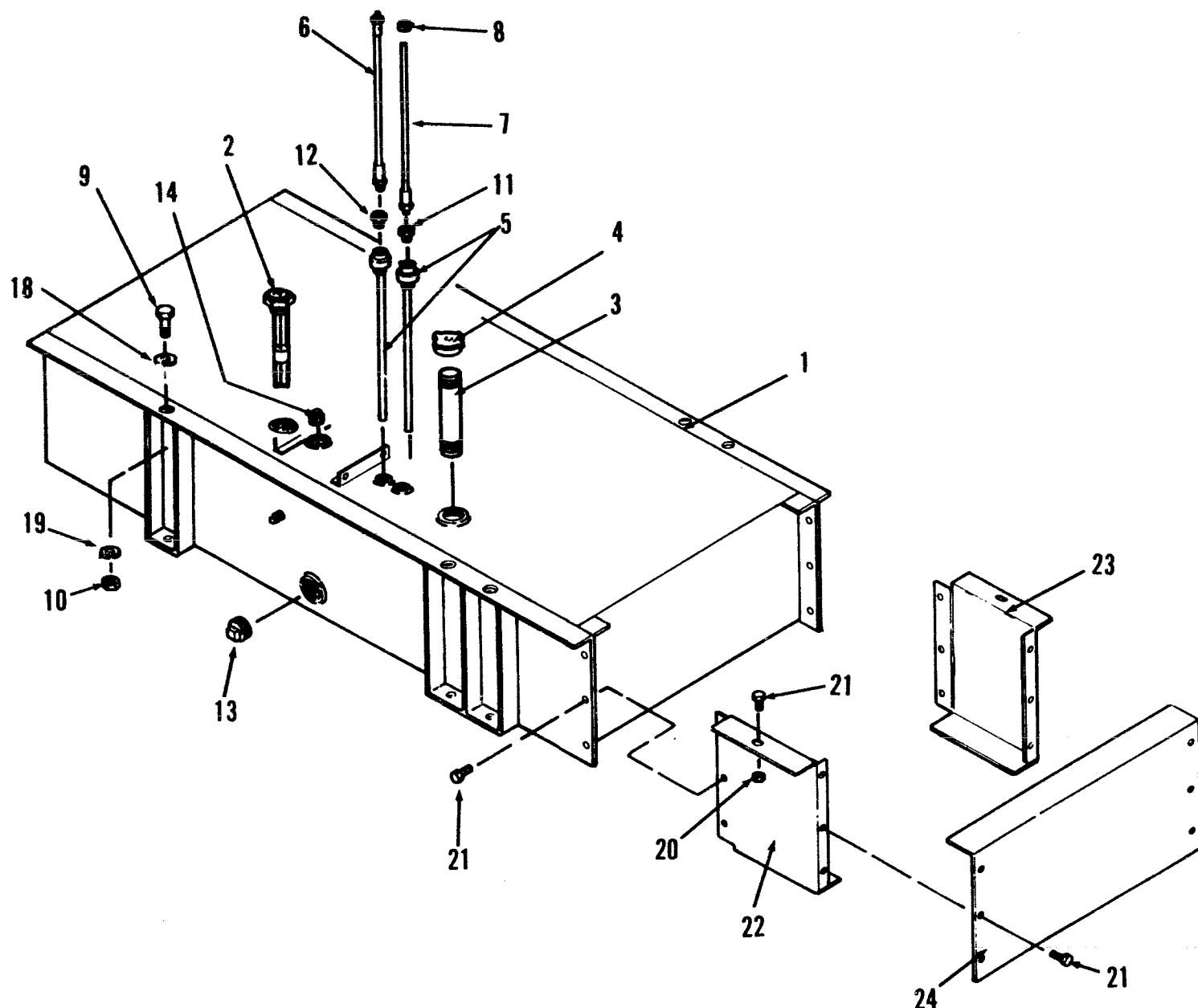
Remote Radiator



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-3168	1	Cover. Guard - Belt
2	130-3169	1	Guard. Belt
3	130-3170	1	Guard. Belt
4	130-3171-01	1	Bracket. Guard - Belt (LH)
5	130-3171-02	1	Bracket. Guard - Belt (RH)
6	130-3172	1	Bracket. Guard - Belt
7	821-0018	24	Screw. Washer - Lock (1/4"-20 x .62)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
8	800-2110	4	Screw. Cap - Hex (M12 x 1.75 x 20)
9	130-3582	1	Plate. Clamping
10	718-1812	4	Screw. Cap - Hex (M8 x 1.25 x 25)

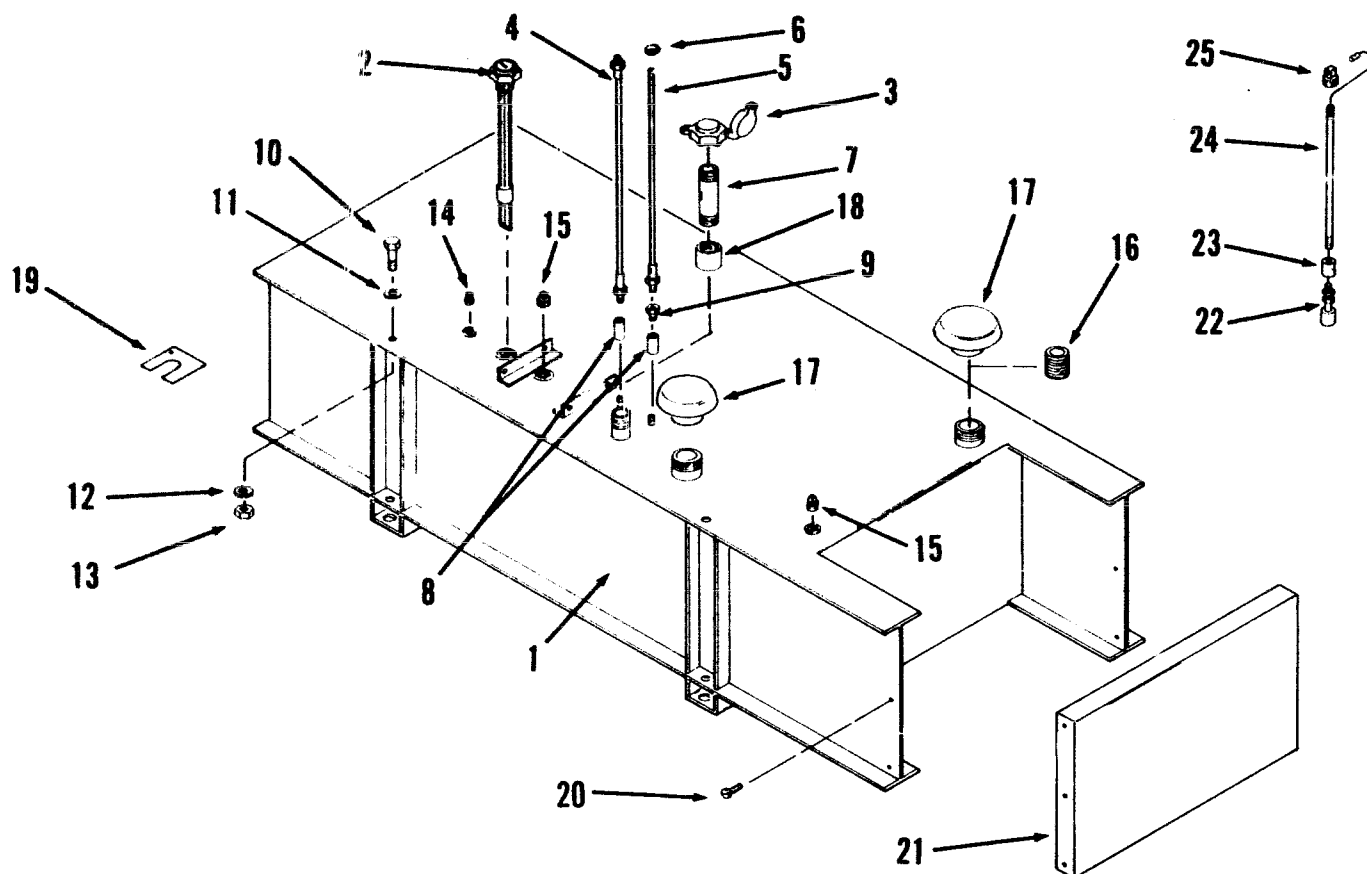
Fuel Tank



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	159-1180	1	Tank, Fuel (100 Gal)
2	415-0565-03	1	Gauge, Liquid Level
3	505-0748	1	Nipple, Pipe (2 x 9")
4	159-1208	1	Cap, Fuel
5	415-0566-01	2	Pipe, Fuel Tank Suction
6		1	Line, Flex Fuel
7	501-0480-01	1	Line, Flex Fuel
8	503-0685	1	Clamp, Hose
9	800-0156	4	Screw, HHC (3/4-10 x 1/4")
10	862-0008	4	Nut, Hex (3/4-10")
11	505-0151	1	Bushing, Reducer (.12 x .50)

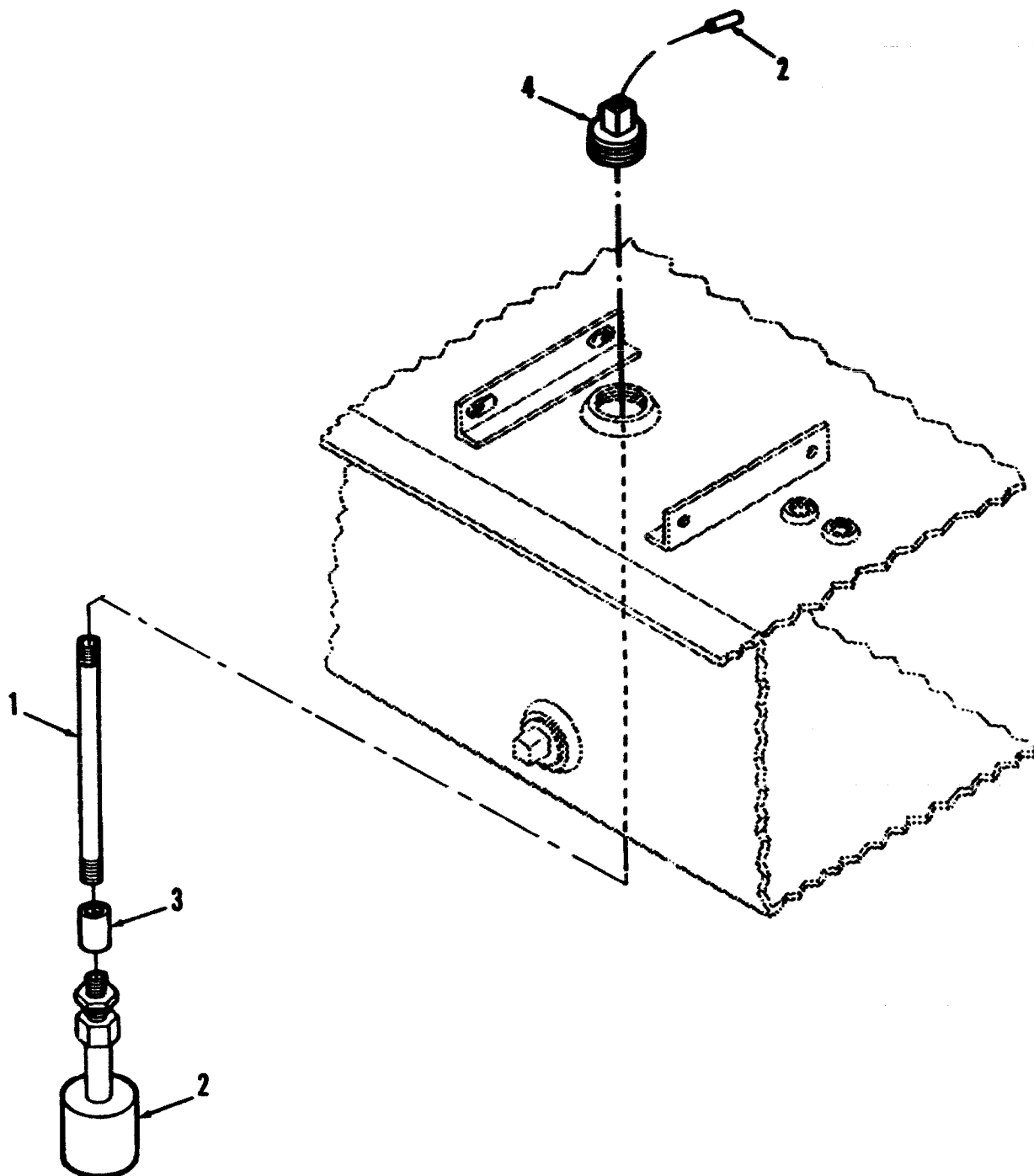
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
12	505-0018	1	Bushing, Reducer (.25 x .50)
13		1	Plug, Pipe (2" NPT)
14		1	Plug, Pipe (1-1/4" NPT)
18	526-0238	4	Washer, Flat (3/4)
19	850-0079	4	Washer, Lock (3/4)
20	870-0257	2	Nut, Self-Locking (5/16-18)
21	821-0014	14	Screw, Locking - Hex Washer Head (5/16-18 x .50)
22	159-1307-01	1	Wrapper - Fuel Tank (RH)
23	159-1307-02	1	Wrapper - Fuel Tank (LH)
24	159-1308	1	End Cap - Tank

SUB BASE FUEL TANK **(Double Wall - 12 and 24 Hour)**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	159-1359	1	Tank, Fuel	16	505-0172	2	Nipple, Close (2"NPT) used on 60 gallon fuel tank
	159-1360	1	60 Gallon (12 Hour)	17			Cap, Vent
2	415-0565-11	1	120 Gallon (24 Hour)		159-1371-03	2	60 Gallon Fuel Tank
	415-0565-02	1	Gauge, Level - Liquid		159-1371-05	2	120 Gallon Fuel Tank
3	415-0043	1	60 Gallon Tank	18	505-0203	1	Coupling, Pipe (2"NPT)
4	501-0441	1	120 Gallon Tank	19	159-1378	8	Shim, Tank - Fuel
5	501-0502	1	Cap	20	821-0014	6	Screw, Hex Head - Locking (5/16-18 x .50")(Included with Fuel Tank)
6	503-0685	1	Line, Fuel - Flex (Fuel In)	21			End-Cap, Tank - Fuel
7	505-0401	1	Line, Fuel - Flex (Fuel Out)		159-1365	1	120 Gallon Tank (Included with 159-1360 Fuel Tank)
8	505-0027	2	Clamp, Hose		159-1366	1	60 Gallon Tank (Included with 159-1359 Fuel Tank)
9	505-0007	1	Nipple, Pipe (2"NPT x 6")	22	308-0916-01	1	Switch, Basin
10	800-0156	4	Coupling, Pipe (1/4"NPT)	23	505-0026	1	Coupling (1/8")
11	526-0238	4	Bushing, Reducer (1/4"NPT x 3/8"NPT)	24			Nipple, Pipe (1/8")
12	850-0079	4	Screw, Cap - Hex Head (3/4-10 x 2.25")		505-1458-04	1	Used on 60 Gallon Tank
13	862-0008	4	Washer, Flat (3/4")		505-1458-03	1	Used on 120 Gallon Tank
14	505-0110	1	Washer, Lock (3/4")	25	505-1050	1	Plug, Pipe - Square Head
15	505-0359	2	Nut, Hex (3/4")				
			Plug, Pipe (3/8"NPT)				
			Plug, Pipe (1-1/4"NPT)				

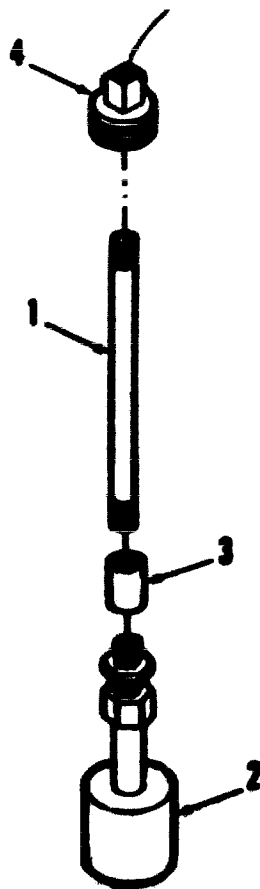
Low Fuel Alarm



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	505-1458-01	1	Pipe Nipple (1/8) Used on 159-1180 Fuel Tank (100 Gallons)

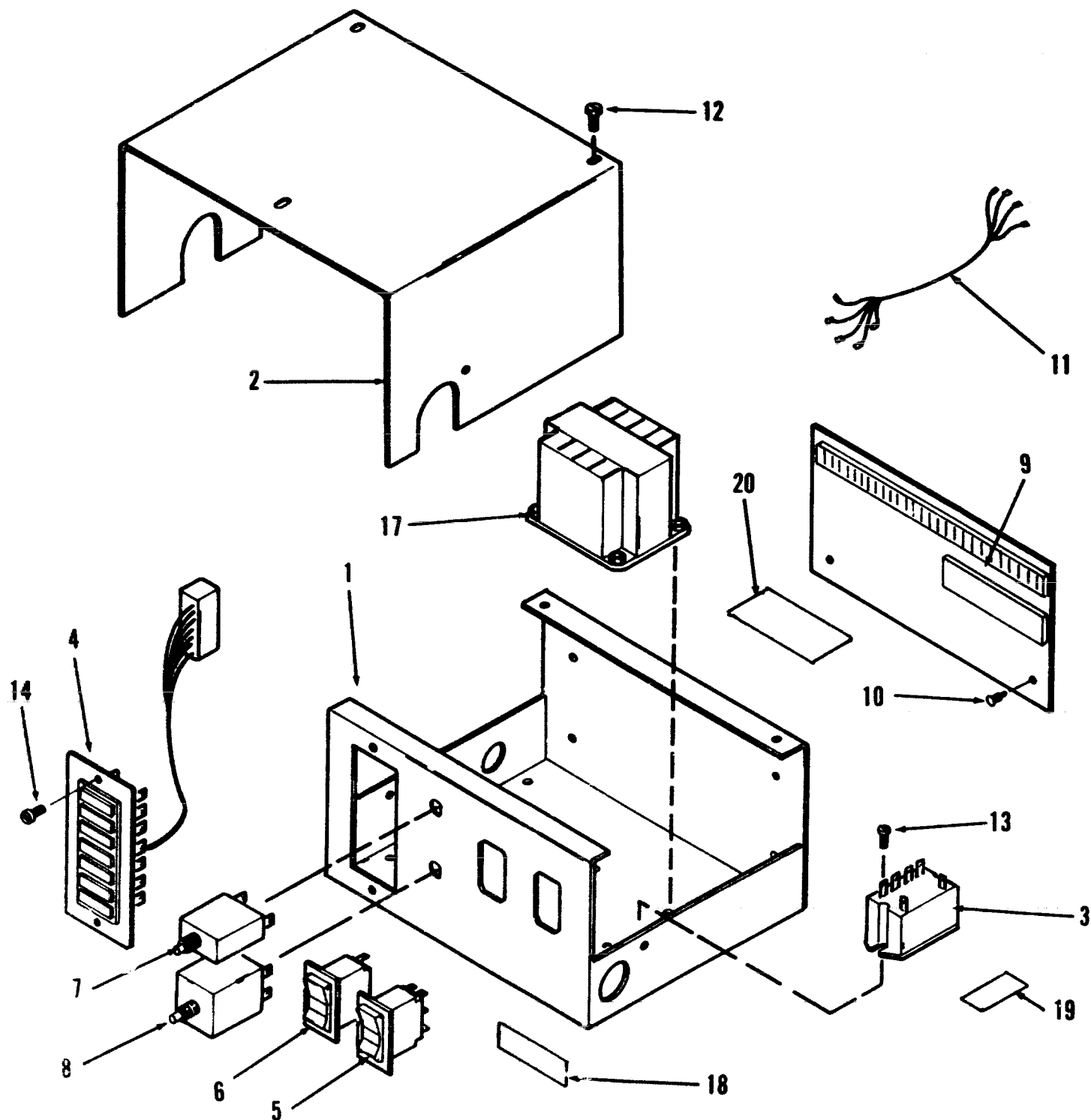
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
2	308-0963-01	1	Switch Basin
3	505-0026	1	Coupling
4	505-1050	1	Pipe-Square Head

Low Fuel Alarm
(Sub Base Fuel Tank - Double Wall - 12 and 24 Hour)



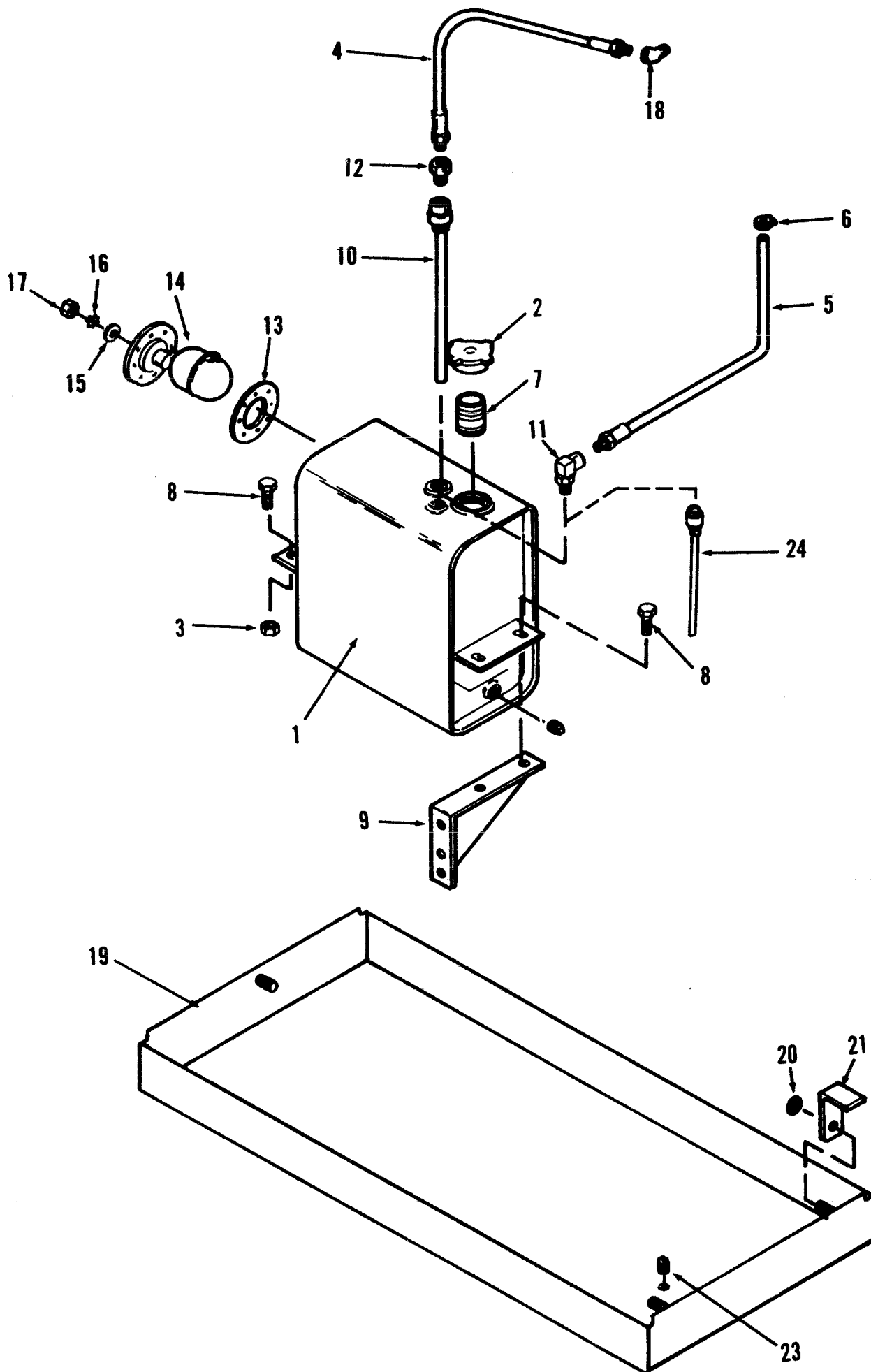
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Pipe, Nipple (1/8)	2	308-0963-01	1	Switch, Basin
	505-0768	1	Used on 60 gal Fuel Tank	3	505-0026	1	Coupling (1/8")
	505-0890	1	Used on 120 gal Fuel Tank	4	505-1050	1	Plug, Pipe-Square Head

Control Box Day Tank



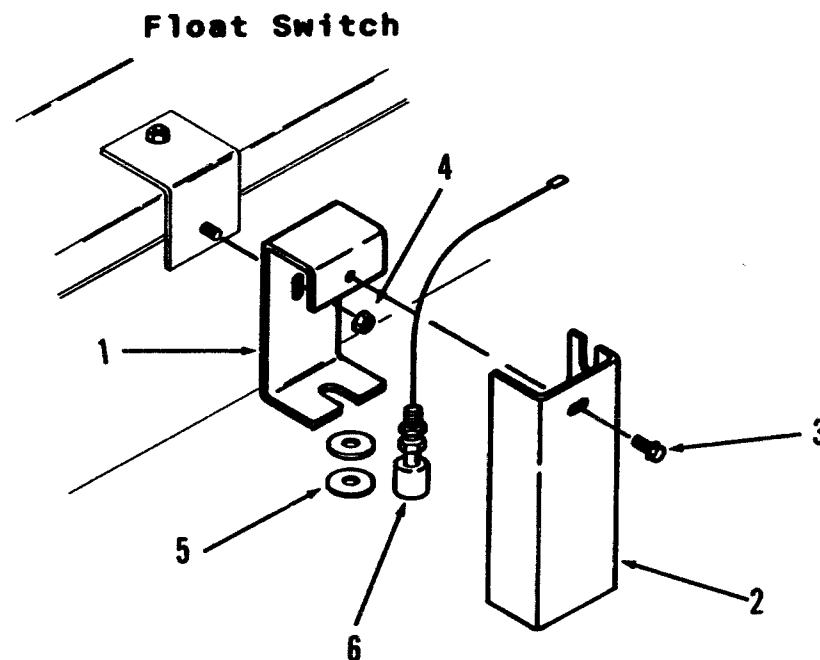
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-0486	1	Box, Control	11	338-2382	1	Harness, Control
2	319-0485	1	Cover, Control	12	815-0350	5	Screw, Head - Slotted Hex (10-32 x 3/8)
3	307-2677-02	1	Relay, 2 PST	13	812-0075	2	Screw, RHM (8-32 x 1/4)
4	322-0403-02	1	Lamp Assembly, 7 Lite	14	815-0385	2	Screw, RHM (6-32 x 1/4)
5	308-0912	1	Switch, Rocker	17	315-0687	1	Transformer
6	308-0852	1	Switch, Rocker	18	98-5953	1	Label, Front Panel
7	320-1653	1	Breaker, Circuit - 1 Pole	19	98-5961	1	Label, PNL (Rear Front)
8	320-1654	1	Breaker, Circuit - 2 Pole	20	98-5955	1	Label, BOT Panel
9	300-3464	1	Circuit Board Assembly				
10	870-0458	4	Spacer, PCB				

Day Tank and Rupture Basin



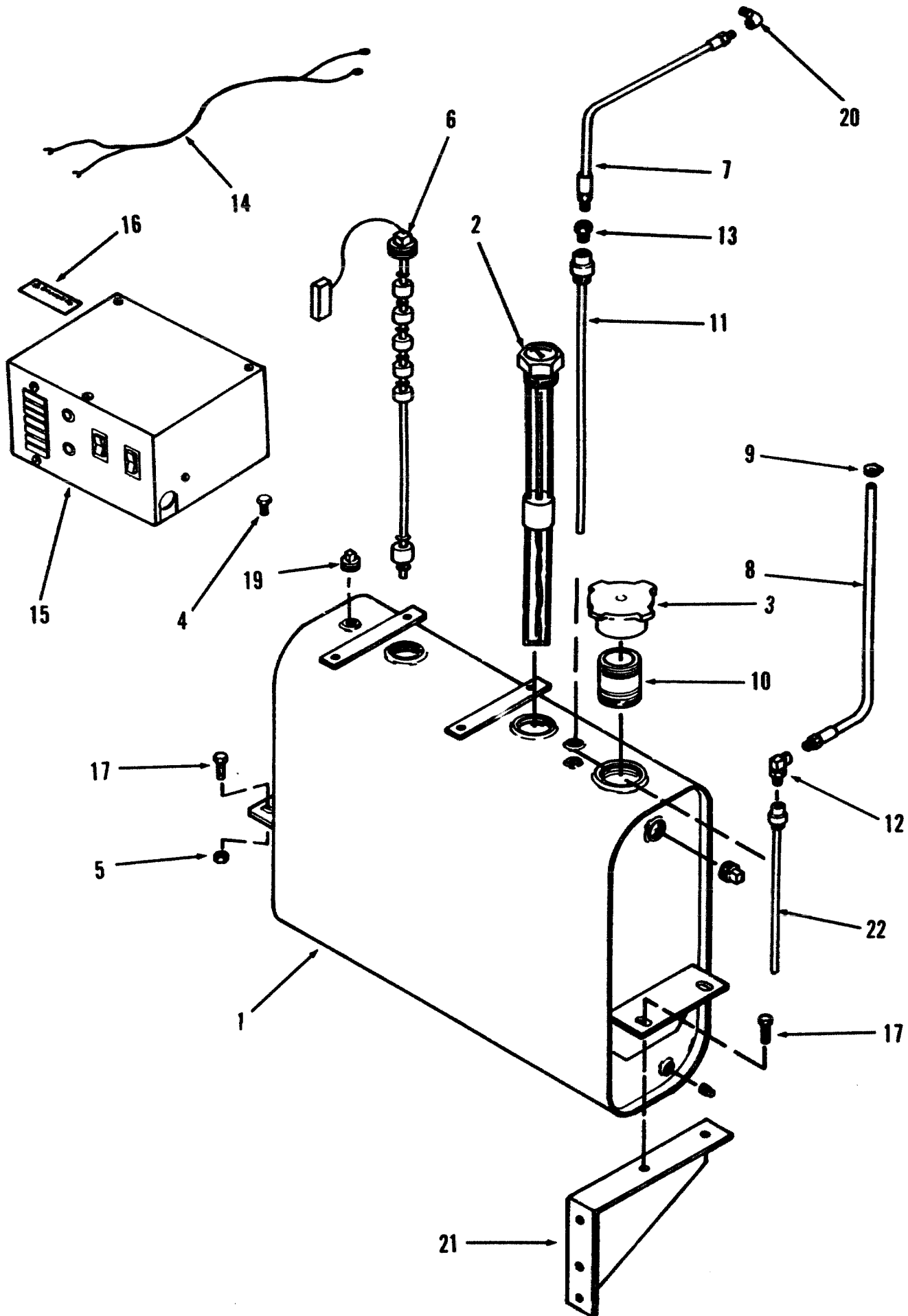
Day Tank and Rupture Basin

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	415-0647	1	Day Tank (7.5 Gal)	12	505-0018	1	Bushing, Reducer (1/4 x .50)
2	159-1208	1	Cap, Fuel	13	415-0660	1	Gasket
3	870-0212	2	Nut, LKH (1/4-20)	14	415-0657	1	Float Valve Assembly
4	501-0539	1	Line, Fuel - Flex (Tank to Eng)	15	526-0008	8	Washer-Flat
5	501-0502-01	1	Line, Fuel - Flex (Fuel to Tank)	16	853-1008	8	Washer - ET LK
6	503-0685	1	Clamp, Hose	17	867-0028	8	Nut, Hex
7	505-0172	1	Nipple, Close (2 x 2)	18	502-0053	1	Elbow - Street (1/8)
8	821-0018	4	Screw - LKH (1/4-20 x .625)	19	159-1269	1	Basin - Rupture
9	159-1206	1	Bracket, Tank	20	870-0212	4	Nut, Whizlock (1/4-20)
10	415-0566-04	1	Pipe, Fuel Tank	21	159-1268	3	Hanger - Rupture Basin
11	505-0049	1	Elbow 1/8 NPT	23	505-0058	1	Plug - Pipe (1/4)
				24	415-0752-01	1	Pipe, Fuel Tank - Suction



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-0490	1	Bracket, Switch	4	870-0212	1	Nut, Self-Locking (1/4-20 FLG)
2	319-0489	1	Cover, Switch	5	526-0029	1	Washer, Flat (3/8)
3	821-0010	1	Screw, Whizlock (1/4-20 x 1/2")	6	308-0916-01	1	Switch, Basin

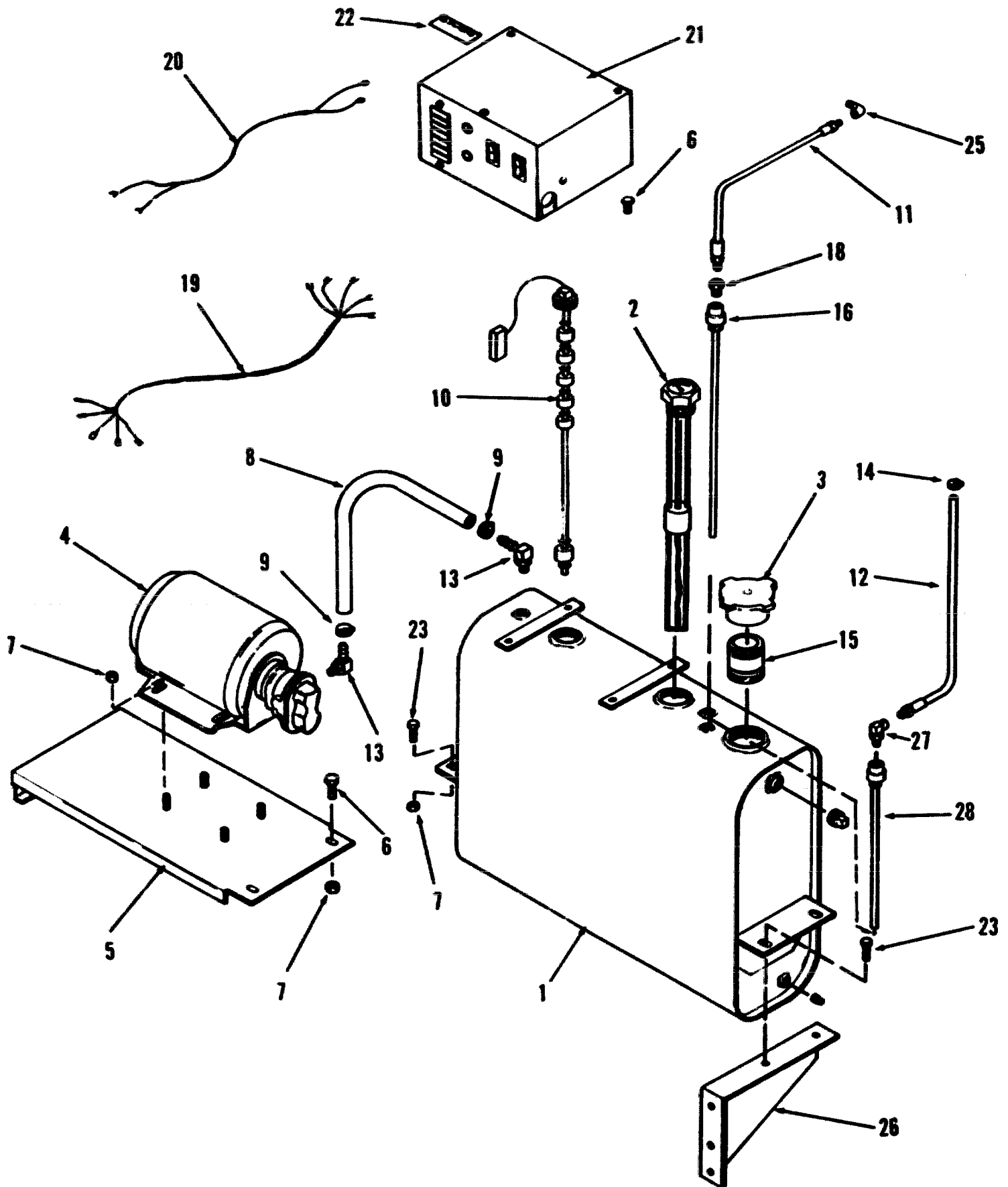
Day Tank With Control



Day Tank With Control

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	415-0574	1	Tank, Day (8.0 Gal)	11	415-0566-04	1	Pipe, Tank - Fuel
2	415-0565-04	1	Gauge, Fuel	12	505-0049	1	Elbow, 1/8 NPT
3	159-1208	1	Cap, Fuel	13	505-0018	1	Bushing, Reducer (1/4 x .50)
4	821-0010	4	Screw, LKH (1/4 - 20 x .50")	14	338-2398	1	Harness, Wiring
5	870-0212	2	Nut, LKH (1/4-20)	15	625-2141-01	1	Control (See Separate Page For Components)
6	308-0913	1	Switch, Float	16	98-5387	1	Label, Danger
7	501-0539	1	Line, Fuel - Flex (Tank to Engine)	17	821-0018	4	Screw, LKH (1/4-20 x .625)
8	501-0502-01	1	Line, Fuel - Flex (Fuel to Tank)	19	505-0266	1	Plug, Pipe (3/8 NPT)
9	503-0685	1	Clamp, Hose	20	502-0053	1	Elbow, Street (1/8 x 90°)
10	505-0172	1	Nipple, Close (2 x 2)	21	159-1206	1	Bracket, Tank
				22	415-0752-01	1	Pipe, Suction - Fuel Tank

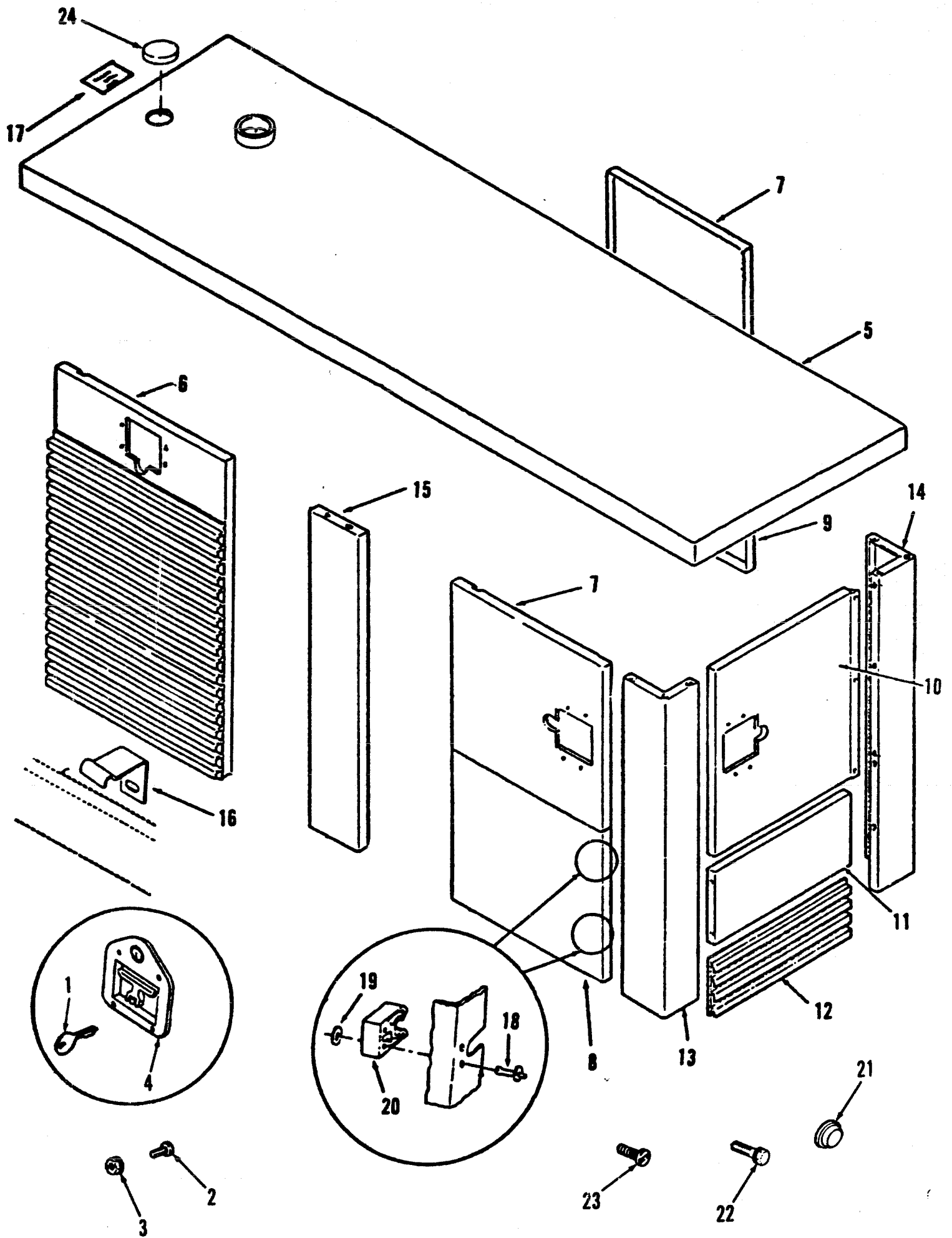
Day Tank With Pump And Control



Day Tank With Pump And Control

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	415-0574	1	Tank, Day (8.0 Gal)	14	503-0685	1	Clamp, Hose
2	415-0565-04	1	Gauge, Fuel	15	505-0172	1	Nipple, Close (2" x 2")
3	159-1208	1	Cap, Fuel	16	415-0566-04	1	Pipe, Fuel Tank
4	399-0117	1	Pump	18	505-0018	1	Bushing, Reducer (1/4" x 1/2")
5	159-1207	1	Bracket, Pump	19	338-2397	1	Harness, Wiring
6	821-0010	4	Screw, Head - Lock (1/4-20 x 1/2")	20	338-2398	1	Harness, Wiring
7	870-0212	8	Nut, Head - Lock (1/4-20)	21	625-2141-01	1	Control (See Separate Page for Breakdown)
8	503-1660-01	1	Hose, Fuel (Pump to Tank)	22	98-5387	1	Label, Danger
9	503-0183	2	Clamp, Hose	23	821-0018	8	Screw, Head - Lock (1/4-20 x 5/8")
10	308-0913	1	Switch, 5 Float	25	502-0053	1	Elbow, Street (1/8 x 90°)
11	501-0539	1	Line, Fuel -- Flex (Tank to Engine)	26	159-1206	1	Bracket - Tank
12	501-0502-01	1	Line, Fuel -- Flex (Fuel to Tank)	27	505-0049	1	Elbow 1/8 NPT
13	502-0942	2	Elbow 90°	28	415-0752-01	1	Pipe, Suction - Fuel Tank

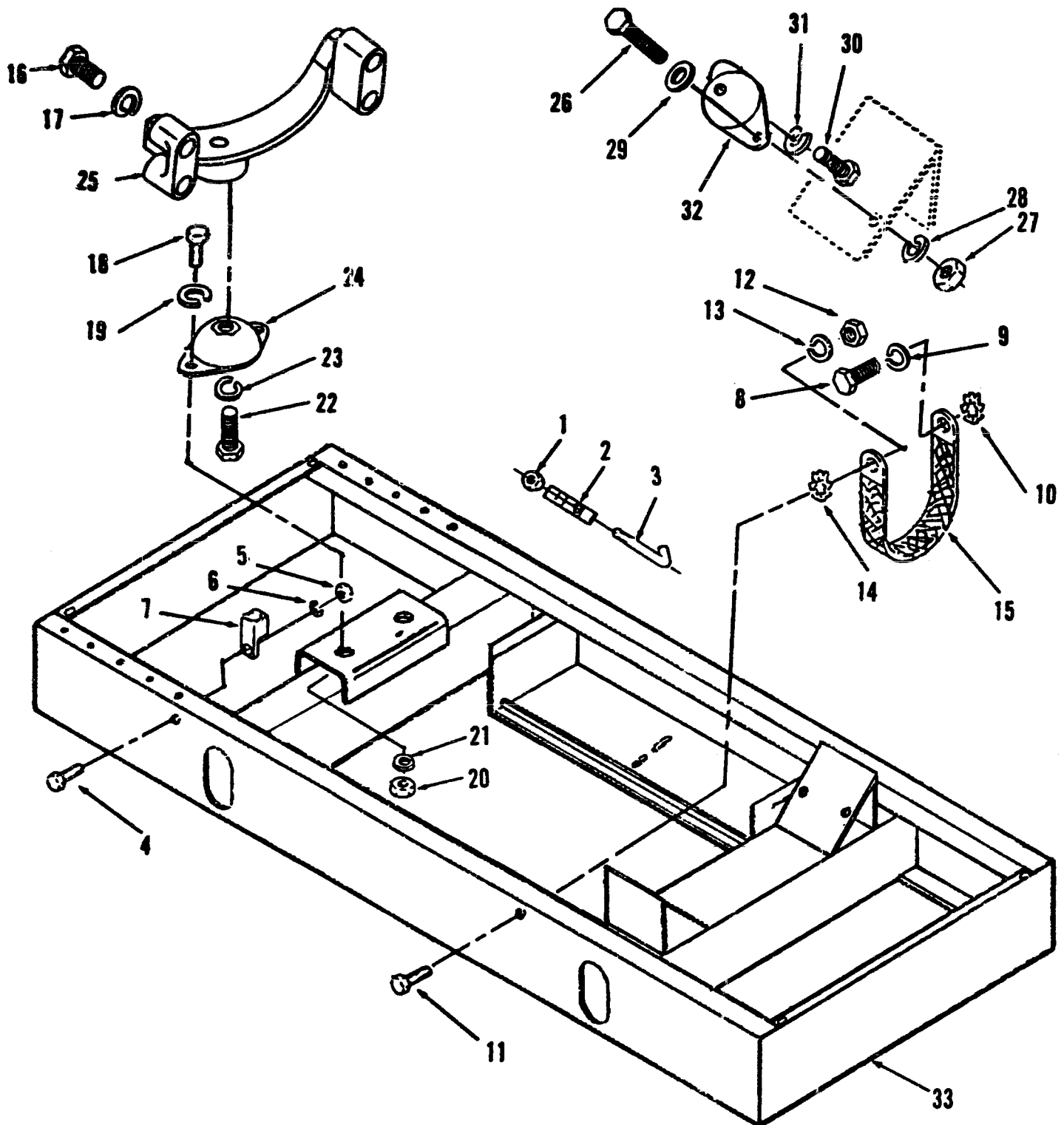
Housing



Housing

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	406-0639	1	Key, Door Lock	10			Door, Control
2	815-0607	20	Screw, Machine - Oval Head (#8-32 x 3/8")		405-3836	1	Spec B-H
					405-4875	1	Spec J
3			Nut, Hex Self Locking	11	405-3828	1	Panel, Housing - Rear
	870-0235	20	#8-32	12	405-3833	1	Grille
	870-0257	4	5/16-18	13	405-3826-01	1	Post, Housing - Rear (RH)
	870-0281	22	3/8-16	14	405-3826-02	1	Post, Housing - Rear (LH)
4	406-0626	5	Handle, Door (Includes Key)	15	405-4124	2	Post, Housing - Center
5			Panel, Top	16	406-0624	4	Hinge, Door (Spec B-H)
	405-4377	1	DGBA	17	98-5429	2	Decal (Coolant Fill)
	405-4126	1	DGCA, DGCB (Spec B-G)	18	818-0150	8	Rivet, Drive
	405-4766	1	DGCA, DGCB (Spec H-J)	19	526-0003	8	Washer, Flat
6	405-3841	2	Door, Housing	20	405-1872	4	Clip, Door
7			Door, Housing - Side	21	508-0231	6	Bumper, Door
	405-3835	2	Spec B-H	22			Screw, Locking - Hex Head
	405-4874-01	2	Spec J		821-0029	22	3/8-16 x 3/4"
8			Door, Access - Right Side (Includes Door Clips)		821-0014	8	5/16-18 x 1/2"
	405-3984	1	Spec B-H	23	819-1083	15	Screw, Machine - Pan Head (1/4-20 x 7/16")
	405-4870	1	Spec J	24	517-0138-09	1	Plug, 2.5 Dia.
9			Door, Access - Left Side				
	405-3985	1	Spec B-H				
	405-4871-01	1	Spec J				

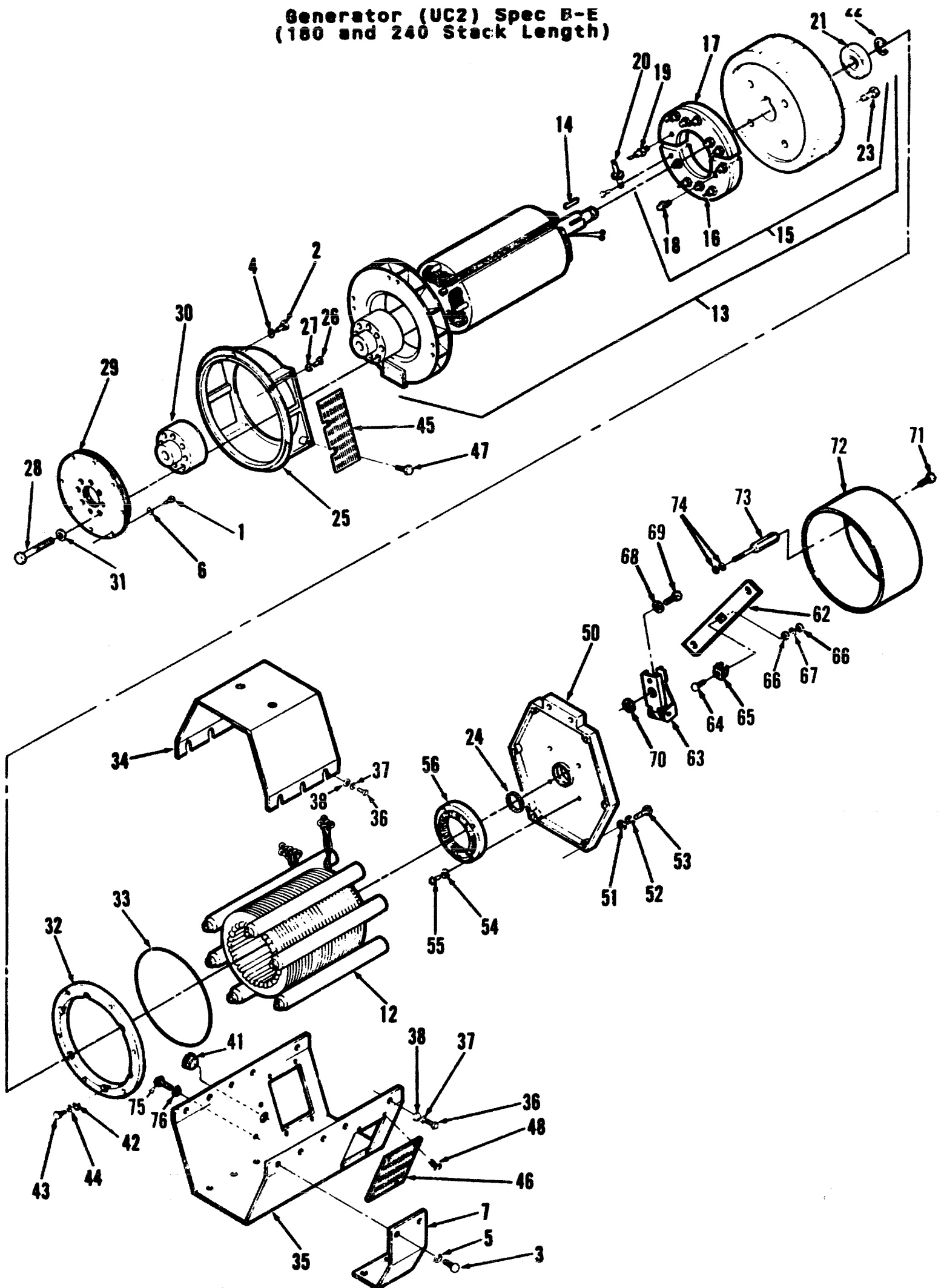
Skid



Skid

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	870-0212	1	Nut, Self-Locking - Hex (1/4-20)	18	800-0091	2	Screw, Cap - Hex Head (1/2-13 x 1.25)
2	416-0975	1	Holddown, Battery	19	850-0060	2	Washer, Lock - Spring (1/2")
3	416-0853	1	Stud, Holddown - Battery	20	862-0016	2	Nut, Hex (1/2-13)
4	800-0026	1	Screw, Cap - Hex Head (5/16-18 x 3/4")	21	526-0219	2	Washer, Flat (1/2")
5	870-0257	1	Nut, Lock (5/16-18)	22	800-0151	1	Screw, Cap - Hex Head (3/4-10 x 1")
6	856-0008	1	Washer, Lock - EIT (5/16)	23	850-0079	1	Washer, Lock - Spring (3/4")
7	332-1473	1	Lug, Solderless	24	402-0030	1	Mount, Vibration - Engine
8	800-2111	1	Screw, Cap - Hex Head (M12 x 1.75 x 25mm)	25	403-2567	1	Support, Engine
9	850-2012	1	Washer, Lock - Spring (M12)	26	800-0071	4	Screw, Cap - Hex Head (7/16-14 x 1")
10	856-0013	1	Washer, Lock - EIT (1/2")	27	862-0004	4	Nut, Hex (7/16-14)
11	800-0091	1	Screw, Cap - Hex Head (1/2-13 x 1.25)	28	850-0055	4	Washer, Lock - Spring (7/16")
12	862-0016	1	Nut, Hex (1/2-13)	29	526-0141	4	Washer, Flat (7/16)
13	850-0060	1	Washer, Lock - Spring (1/2")	30	800-0520	2	Screw, Cap - Hex Head (3/4-10 x 1")
14	856-0013	1	Washer, Lock - EIT (1/2")	31	850-0079	2	Washer, Lock - Spring (3/4")
15	337-0090	1	Strap, Electrical	32	402-0568	2	Mount, Vibration - Generator
16	800-2121	4	Screw, Cap - Hex Head (M12 x 1.75 x 75mm)	33		1	Skid, Base
17	850-2012	4	Washer, Lock (M12)		403-2907	1	Spec B-G
					403-3431	1	Spec H-J

Generator (UC2) Spec B-E
(180 and 240 Stack Length)



Generator (UC2) Spec B-E (180 and 240 Stack Length)

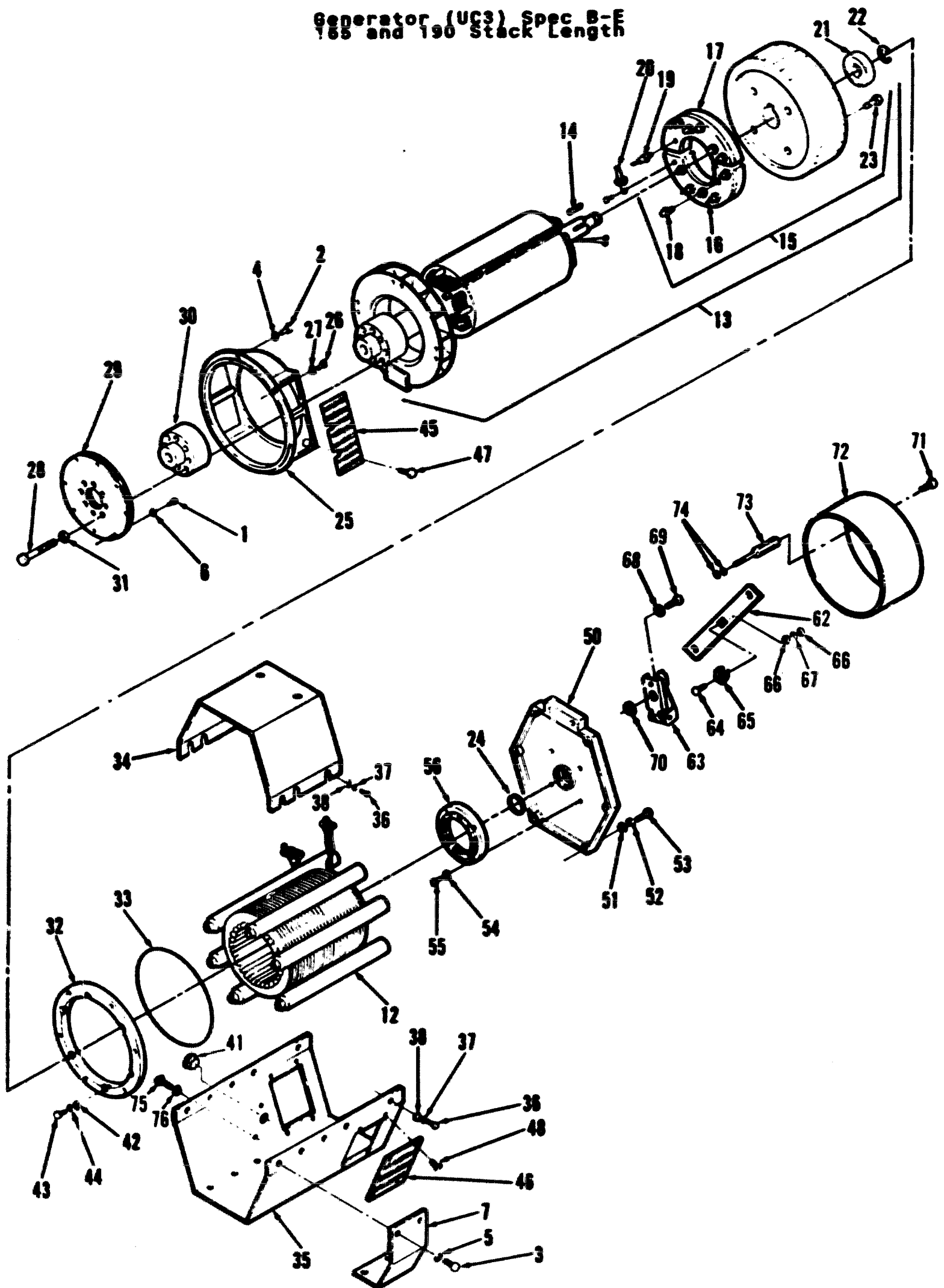
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	805-0015	8	Bolt, Place (3/8-16 x 3/4")	36	800-2088	8	Screw, Cap - Hex Head (M10 x 35)
2	800-2088	8	Screw, Cap - Hex Head (M10 x 1.5 x 35)	37	850-2010	8	Washer, Lock - Spring (M10)
	800-2090	4	M10 x 1.5 x 45	38	526-2120	12	Washer, Flat (M10)
3	800-2088	8	Screw, Cap - Hex Head (M10 x 1.5 x 35)	41	517-0135	1	Plug
4	850-2010	12	Washer, Lock - Spring (M10)	42	232-3441	6	Washer, Flat (M8)
5	850-2010	8	Washer, Lock - Spring (M10)	43	800-2058	6	Screw, Cap - Hex Head (M8 x 25)
6	526-0174	8	Washer, Flat (1/2")	44	850-2008	6	Washer, Lock - Spring (M8)
7	232-3452	2	Bracket, Generator Mounting	45	234-0863	2	Guard, Fan
12			Stator	46	234-0878	2	Screen, Air Inlet
	220-4228-03	1	Stack Length 180	47	821-2020	8	Screw, Cap - Self-Locking (M5 x 0.8 x 10)
	220-4228-04	1	Stack Length 240	48	821-2020	8	Screw, Cap - Self-Locking (M5 x 0.8 x 10)
13			Rotor Assembly (Includes Parts Marked *)	50	211-0422	1	Bell, End
	201-3439-03	1	Stack Length 180	51	232-3441	6	Washer, Flat (M8)
	201-3439-04	1	Stack Length 240	52	850-2008	6	Washer, Lock - Spring (M8)
14	515-0298-02	1	*Key	53	800-2058	6	Screw, Cap - Hex Head (M8 x 1.25 x 25)
15	201-3434-02	1	*Rotor Assembly, Exciter (Includes Parts Marked ¶)	54	850-2006	4	Washer, Lock - Spring (M6)
16	357-0091	1	*¶Rectifier Assembly, Forward (Includes Diodes)	55	800-2042	4	Screw, Cap - Hex Head
17	357-0092	1	*¶Rectifier Assembly, Reverse (Includes Diodes)	56	220-4293-05	1	Stator, Exciter
18	358-0135-01	3	*¶Diode, Positive (Forward) Includes Lead	62	150-2309	1	Bracket, Overspeed Switch
19	358-0135-02	3	*¶Diode, Negative (Reverse) Includes Lead	63	150-0956	1	Switch, Overspeed
20	304-0807	1	*Varistor	64	150-0723	1	Point, Overspeed
21	510-0165	1	*Bearing, Ball	65	870-0250	1	Nut, Insulated
22	518-0122	1	*Ring, Retaining	66	862-0001	2	Nut, Hex (1/4-20)
23	821-2021	2	*Screw, Cap - Locking Head (M5 x 12)	67	853-0013	1	Washer, Lock - ET (1/4")
24	509-0266-01	1	Ring, "O"	68	856-0010	1	Washer, Lock - EIT (3/8")
25	231-0316	1	Adapter, Generator (SAE 2)	69	800-2087	1	Screw, Cap - Hex Head (M10 x 30mm)
26	800-2090	6	Screw, Cap - Hex Head (M10 x 45)	70	526-0240	1	Washer, Flat (13/32" ID x 1-1/2" OD x 1/8" Thk)
27	850-2010	6	Washer, Lock - Spring (M10)	71	821-2020	4	Screw, Self-Locking - Hex Washer Head (M5 x 10mm)
28	720-1126	8	Screw, Cap - Hex Head (M16 x 2 x 75)	72	234-0875-01	1	Cover, End Bell
29	232-3443	2	Disc, Generator Drive (SAE 11.5)	73	232-3462-01	4	Spacer, Cover
30	232-3456-01	1	Spacer, Drive Disc	74	526-2080	4	Washer, Flat (M6)
31	526-0259	8	Washer, Flat (M16)	75	800-4073	2	Screw, Cap-Hex Head (M4 x 0.7 x 10)
32	231-0318	1	Ring, Adapter	76	850-2004	2	Washer, Lock-Spring (M4)
33	508-0139	-	Seal, Edging (Order by the foot - 3 feet required)				
34	234-0860-02	1	Cover, Stator - Upper				
35	232-3430-02	1	Cover, Stator - Lower				

* - Parts Included in Rotor Assembly.

¶ - Parts Included in Exciter Rotor Assembly.

NOTE: When ordering Rotor and Stator parts, furnish complete model, spec and serial number of the generator set.

Generator (UC3) Spec B-E
185 and 190 Stack Length



**Generator (UC3) Spec B-E
165 and 190 Stack Length**

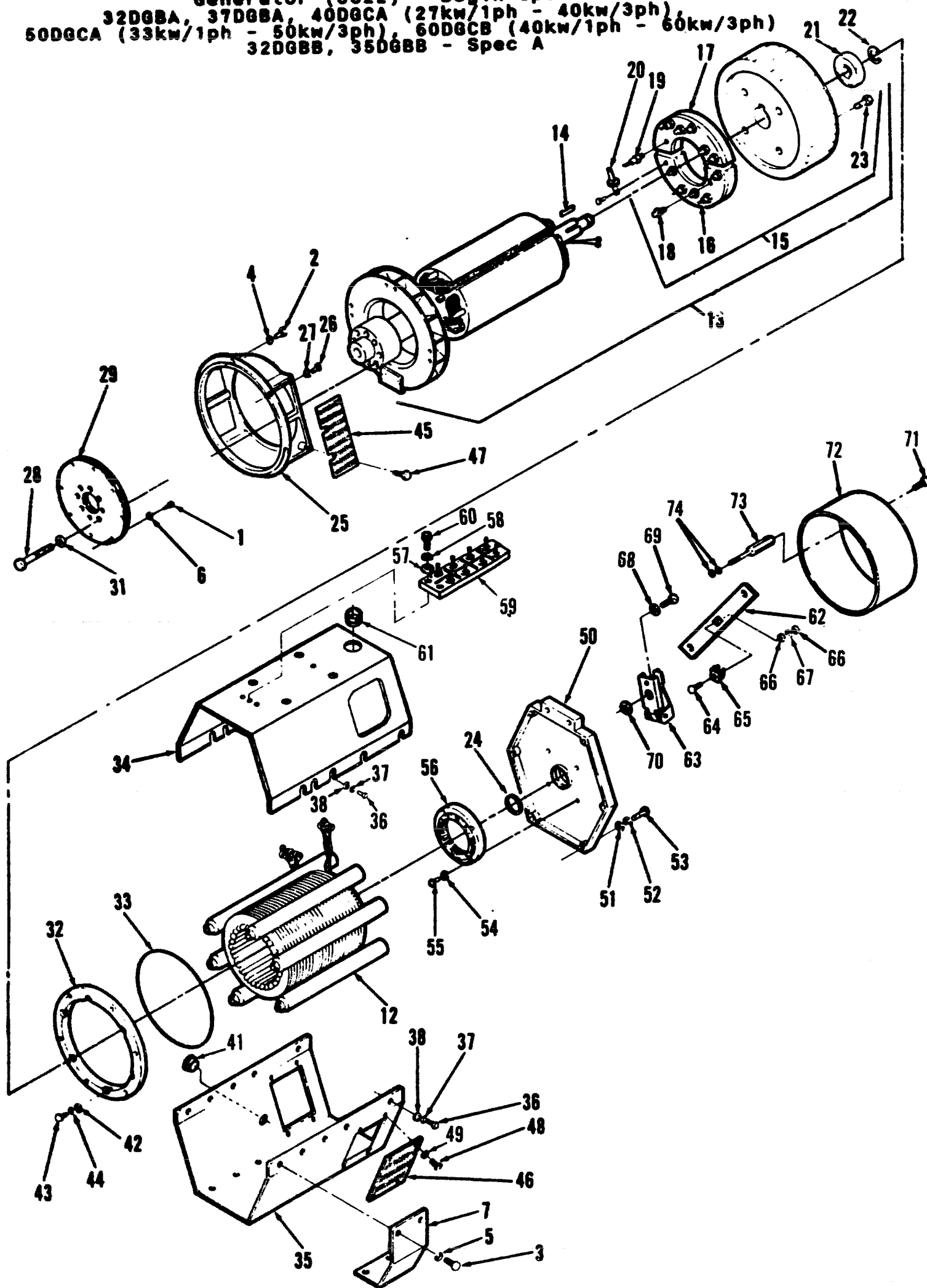
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	805-0015	8	Bolt, Place (3/8-16 x 3/4")	37	850-2012	8	Washer, Lock - Spring (M12)
2	800-2088	12	Screw, Cap - Hex Head (M10 x 1.5 x 35)	38	526-2140	8	Washer, Flat (M12)
3	800-2112	8	Screw, Cap - Hex Head (M12 x 1.75 x 30)	41	517-0135	1	Plug
4	850-2010	12	Washer, Lock - Spring (M10)	42	526-0077	6	Washer, Flat (M10)
5	850-2012	8	Washer, Lock - Spring (M12)	43	800-2528	6	Screw, Cap - Hex Head (M10 x 1.5 x 30)
6	526-0174	8	Washer, Flat (3/8")	44	850-2010	6	Washer, Lock - Spring (M10)
7	232-3454	2	Bracket, Generator Mounting	45	234-0867	2	Guard, Fan
12			Stator	46	234-0879	2	Screen, Air Inlet
	220-4225-01	1	Stack Length 165	47	821-2020	8	Screw, Cap - Self-Locking (M5 x 0.8 x 10)
	220-4225-02	1	Stack Length 190	48	821-2020	8	Screw, Cap - Self-Locking (M5 x 0.8 x 10)
13			Rotor Assembly (Includes Parts Marked *)	50	211-0423	1	Bell, End
	201-3436-01	1	Stack Length 165	51	526-0077	6	Washer, Flat (M10)
	201-3436-02	1	Stack Length 190	52	850-2010	6	Washer, Lock - Spring (M10)
14	515-0298-02	1	*Key	53	800-2528	6	Screw, Cap - Hex Head (M10 x 1.5 x 30)
15	201-3434-02	1	*Rotor Assembly, Exciter (Includes Parts Marked †)	54	850-2006	4	Washer, Lock - Spring (M6)
16	357-0091	1	*†Rectifier Assembly, Forward (Includes Diodes)	55	800-2042	4	Screw, Cap - Hex Head
17	357-0092	1	*†Rectifier Assembly, Reverse (Includes Diodes)	56	220-4293-05	1	Stator, Exciter
18	358-0135-01	3	*†Diode, Positive (Forward) Includes Lead	62	150-2309	1	Bracket, Overspeed Switch
19	358-0135-02	3	*†Diode, Negative (Reverse) Includes Lead	63	150-0956	1	Switch, Overspeed
20	304-0807	1	*Varistor	64	150-0723	1	Point, Overspeed
21	510-0164	1	*Bearing, Ball	65	870-0250	1	Nut, Insulated
22	518-0083	1	*Ring, Retaining	66	862-0001	2	Nut, Hex (1/4-20)
23	821-2021	2	*Screw, Cap - Locking Head (M5 x 12)	67	853-0013	1	Washer, Lock - ET (1/4")
24	509-0266-02	1	Ring, "O"	68	856-0010	1	Washer, Lock - EIT (3/8")
25	231-0317	1	Adapter, Generator (SAE 21)	69	800-2087	1	Screw, Cap - Hex Head (M10 x 30mm)
26	800-2091	6	Screw, Cap - Hex Head (M10 x 1.5 x 50)	70	526-0240	1	Washer, Flat (13/32" ID x 1-1/2" OD x 1/8" Thk)
27	850-2010	6	Washer, Lock - Spring (M10)	71	821-2020	4	Screw, Self-Locking - Hex Washer Head (M5 x 10mm)
28	720-1126	8	Screw, Cap - Hex Head (M16 x 2 x 75)	72	234-0875-01	1	Cover, End Bell
29	232-3443	3	Disc, Generator Drive (SAE 11.5)	73	232-3462-01	4	Spacer, Cover
30	232-3456-01	1	Spacer, Drive Disc	74	526-2080	4	Washer, Flat (M6)
31	526-0259	8	Washer, Flat (M16)	75	800-4073	2	Screw, Cap-Hex Head (M4 x 0.7 x 10)
32	231-0319	1	Ring, Adapter	76	850-2004	2	Washer, Lock-Spring (M4)
33	508-0139	-	Seal, Edging (Order by the foot - 3 feet required)				
34	234-0855-01	1	Cover, Stator - Upper				
35	234-0853-01	1	Cover, Stator - Lower				
36	800-2112	8	Screw, Cap - Hex Head (M12 x 1.75 x 30)				

* - Parts Included in Rotor Assembly.

† - Parts Included in Exciter Rotor Assembly.

NOTE: When ordering stator and rotor parts, always furnish complete model, spec and serial number of the generator set.

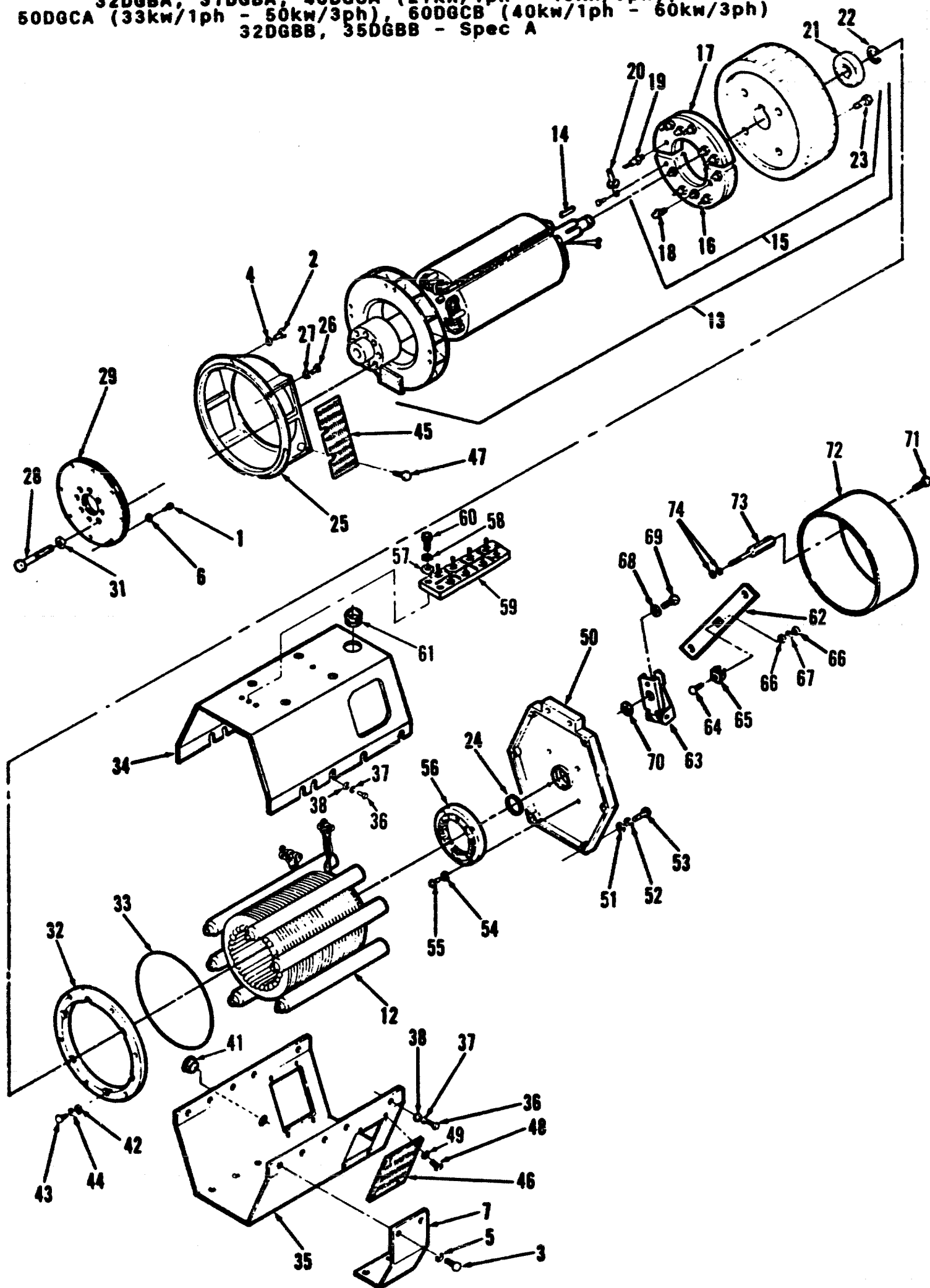
Generator (UC22) - Begin Spec F
 32DGBA, 37DGBA, 40DGBA (27kw/1ph - 40kw/3ph)
 50DGBA (33kw/1ph - 50kw/3ph), 60DGBB (40kw/1ph - 60kw/3ph)
 32DGBB, 35DGBB - Spec A



Generator (UC22) - Begin Spec F
32DGBA, 37DGBA, 40DGCA (27kw/1ph - 40kw/3ph),
50DGCA (33kw/1ph - 50kw/3ph), 60DGBB (40kw/1ph - 60kw/3ph)
32DGBB, 35DGBB - Spec A

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	805-0015	8	Bolt, Place (3/8-16 x 3/4")	20	304-0807	1	*Var stor
2			Screw, Cap - Hex Head	21	510-0165	1	*Bearing, Ball
	800-2088	8	M10 x 1.5 x 35	22	518-0122	1	*Ring, Retaining
	800-2090	4	M10 x 1.5 x 45	23	821-2021	2	*Screw, Cap - Locking Head (M5 x 12)
3	800-2087	8	Screw, Cap - Hex Head (M10 x 1.5 x 30)	24	509-0266-01	1	Ring, "O"
4	850-2010	12	Washer, Lock - Spring (M10)	25			Adapter, Generator
5	850-2010	8	Washer, Lock - Spring (M10)		231-0316	1	SAE 2
6	526-0174	8	Washer, Flat (3/8")		231-0328	1	SAE 3
7	232-3452	2	Feet, Generator Mounting	26			Screw, Cap - Hex Head
12			Stator		800-2090	5	M10 x 45
	220-4289-32	1	32DGBA (160 Stack Length)		800-2092	1	M10 x 55
			32DGBB, 35DGBB	27	850-2010	6	Washer, Lock - Spring (M10)
	220-4289-31	1	130 Stack Length	28	720-1119	8	Screw, Cap - Hex Head (M16 x 40)
	220-4289-32	1	160 Stack Length				Disc, Generator Drive (SAE 11.5)
	220-4289-33	1	40DGCA, 50DGCA (180 Stack Length)	29			3-15/16" ID
	220-4289-34	1	37DGBA, 40DGCA, 50DGCA, 50DGBB, 60DGBB (240 Stack Length)		232-3443	2	2-3/4" ID
				31	526-0259	8	Washer, Flat (M16)
	220-4289-36	1	37DGBA (130 Stack Length)	32	231-0318	1	Ring, Adapter
	220-4289-38	1	37DGBA, 40DGCA, 50DGCA (180 Stack Length)	33	508-0139	-	Seal, Edging (Order by the foot - 3 feet required)
	220-4289-39	1	40DGCA, 50DGCA, 50DGBB, 60DGBB (240 Stack Length)	34			Cover, Stator - Upper
	220-4289-41	1	37DGBA (130 Stack Length)		234-0918	1	32DGBA (130 and 160 Stack Length)
	220-4289-42	1	37DGBA (160 Stack Length)		234-0916-01	1	37DGBA, 40DGCA, 50DGCA, 50DGBB, 60DGBB (180 and 240 Stack Length)
	220-4289-43	1	40DGCA, 50DGCA (180 Stack Length)		234-0936-01	1	32DGBB, 35DGBB (130 and 160 Stack Length)
	220-4289-44	1	40DGCA, 50DGCA, 50DGBB, 60DGBB (240 Stack Length)	35			Cover, Stator - Lower
13			Rotor Assembly (Includes Parts Marked *)		232-3430-01	1	32DGBA, 32DGBB, 35DGBB (130 and 160 Stack Length)
	201-3484-01	1	37DGBA (130 Stack Length)		232-3430-02	1	37DGBA, 40DGCA, 50DGCA, 50DGBB, 60DGBB (180 and 240 Stack Length)
	201-3484-02	1	32DGBA (160 Core Length)	36			Screw, Cap - Hex Head (10 x 25)
	201-3484-03	1	40DGCA, 50DGCA (180 Core Length)		800-2086	8	32DGBA, 32DGBB, 35DGBB
	201-3484-04	1	37DGBA, 50DGBB, 60DGBB (240 Core Length)		800-2086	10	37DGBA, 40DGCA, 50DGCA, 50DGBB, 60DGBB
	201-3496-01	1	130 Core Length	37			Washer, Lock - Spring (M10)
	201-3496-02	1	160 Core Length		850-2010	8	32DGBA, 32DGBB, 35DGBB
14			*Key		850-2010	10	37DGBA, 40DGCA, 50DGCA, 50DGBB, 60DGBB
	515-0298-01	1	32DGBA (160 Core Length), 32DGBB, 35DGBB	38			Washer, Flat (M10)
	515-0298-02	1	37DGBA, 40DGCA, 50DGCA, 50DGBB, 60DGBB (180 and 240 Core Length)		526-2120	8	32DGBA, 32DGBB, 35DGBB
15			*Rotor Assembly, Exciter (Includes Parts Marked *)		526-2120	10	37DGBA, 40DGCA, 50DGCA, 50DGBB, 60DGBB
	201-3434-01	1	32DGBA, 32DGBB, 35DGBB (130 and 160 Core Length)	41	517-0135	1	Plug
	201-3434-02	1	37DGBA, 40DGCA, 50DGCA, 50DGBB, 60DGBB (180, 240 and 300 Core Length)	42	526-0213	6	Washer, Flat (M8)
16	357-0091	1	*Rectifier Assembly, Forward (Includes Diodes)	43	800-2058	6	Screw, Cap - Hex Head (M8 x 25)
17	357-0092	1	*Rectifier Assembly, Reverse (Includes Diodes)	44	850-2008	6	Washer, Lock - Spring (M8)
18	358-0135-01	3	*Diode, Positive (Forward) Includes Lead	45			Guard, Fan
19	358-0135-02	3	*Diode, Negative (Reverse) Includes Lead		234-0863	2	With Two Notches
					234-0903	2	Without Notches
				46	234-0878	2	Screen, Air Inlet
				47	821-2020	8	Screw, Locking - Flange (M5 x 10)
				48	815-0793-03	8	Screw, Hex - Flange (M5 x .8 x 12)
				49	850-2005	8	Washer, Lock - Spring (M5)
				50	211-0422	1	Bell, End

Generator (UC22) - Begin Spec F
 32DGBA, 37DGBA, 40DGCA (27kw/1ph - 40kw/3ph),
 50DGCA (33kw/1ph - 50kw/3ph), 60DGCB (40kw/1ph - 60kw/3ph)
 32DGBB, 35DGBB - Spec A



Generator (UC22) - Begin Spec F
32DGBA, 37DGBA, 40DGCA (27kw/1ph - 40kw/3ph),
50DGCA (33kw/1ph - 50kw/3ph), 60DGCB (40kw/1ph - 60kw/3ph)
32DGBB, 35DGBB - Spec A

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
51	232-3441	6	Washer, Flat
52	850-2008	6	Washer, Lock - Spring (M8)
53	800-2058	6	Screw, Cap - Hex Head (M8 x 25mm)
54	850-2006	4	Washer, Lock - Spring (M6)
55			Screw, Cap - Hex Head
	800-2039	4	32DGBA, 32DGBB, 35DGBB
	800-2042	4	37DGBA, 40DGCA, 50DGCA, 50DGCB, 60DGCB
56			Stator, Exciter
	220-4293-04	1	32DGBA, 32DGBB, 35DGBB (30 Core Length)
	220-4293-05	1	37DGBA, 40DGCA, 50DGCA, 50DGCB, 60DGCB (40 Core Length)
57	526-2100	3	Washer, Flat (M8)
58	850-2008	3	Washer, Lock - Spring (M8)
59	232-3421	1	Block, Main Terminal

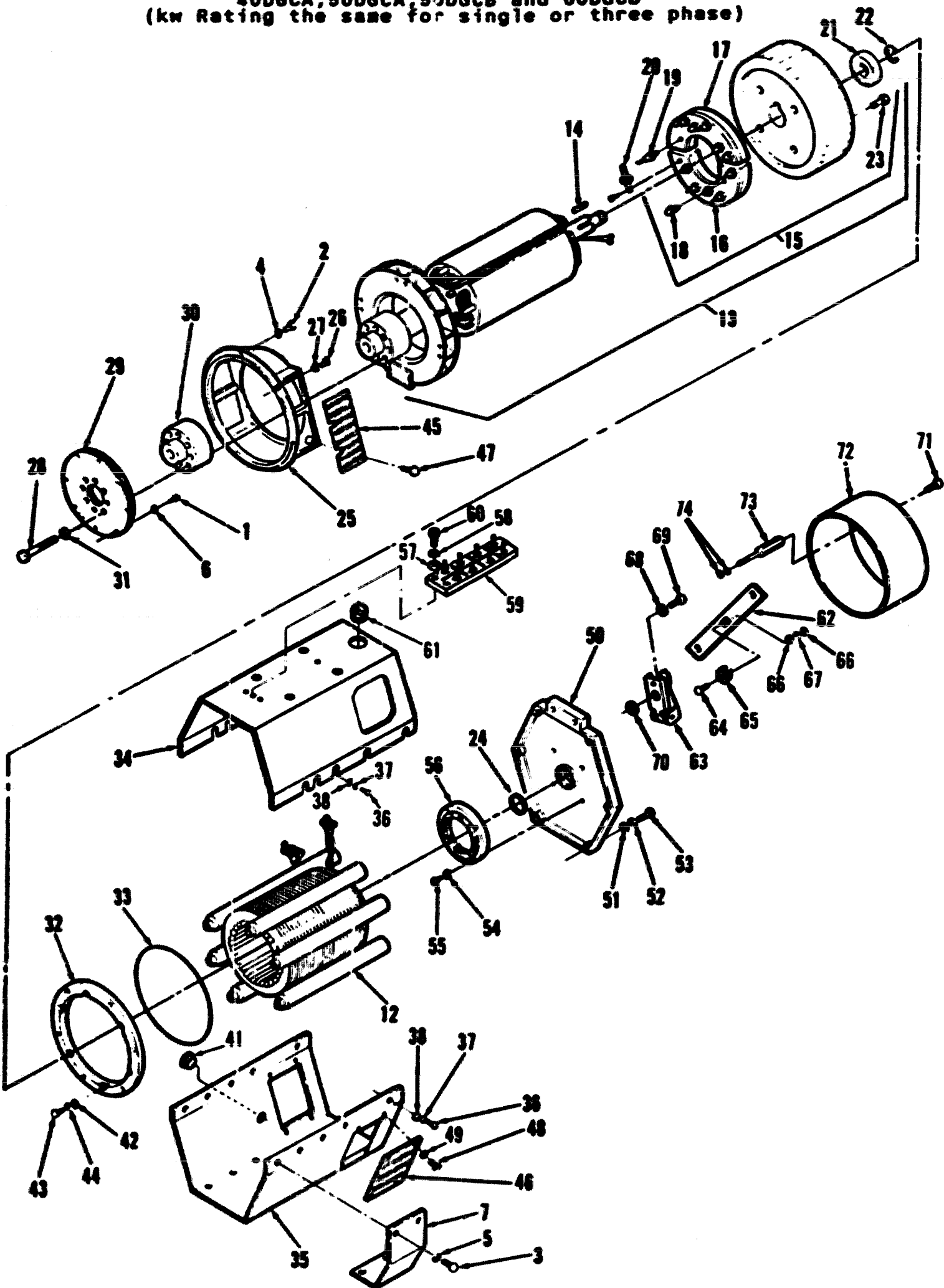
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
60	800-2060	3	Screw, Cap - Hex Head
61	508-1057	1	Grommet
62	150-2309	1	Bracket, Overspeed Switch
63	150-0956	1	Switch, Overspeed
64	150-0723	1	Point, Overspeed
65	870-0250	1	Nut, Insulated
66	862-0001	2	Nut, Hex (1/4-20)
67	853-0013	1	Washer, Lock - ET (1/4")
68	856-0010	1	Washer, Lock - EIT (3/8")
69	800-2087	1	Screw, Cap - Hex Head (M10 x 30mm)
70	526-0240	1	Washer, Flat (13/32" ID x 1-1/2" OD x 1/8" Thk)
71	821-2020	4	Screw, Self-Locking - Hex Washer Head (M5 x 10mm)
72	234-0875-01	1	Cover, End Bell
73	232-3462-01	4	Spacer, Cover
74	526-2080	4	Washer, Flat (M6)

* - Parts Included in Rotor Assembly.

† - Parts Included in Exciter Rotor Assembly.

NOTE: When ordering rotor and stator parts, furnish complete model, spec and serial number of the generator set.

Generator (UC27)
 40DGCA, 50DGCA, 50DGCB and 60DGCB
 (kw Rating the same for single or three phase)



**Generator (UC27)
40DGCA, 50DGCA, 50DGCB and 60DGCB
(kw Rating the same for single or three phase)**

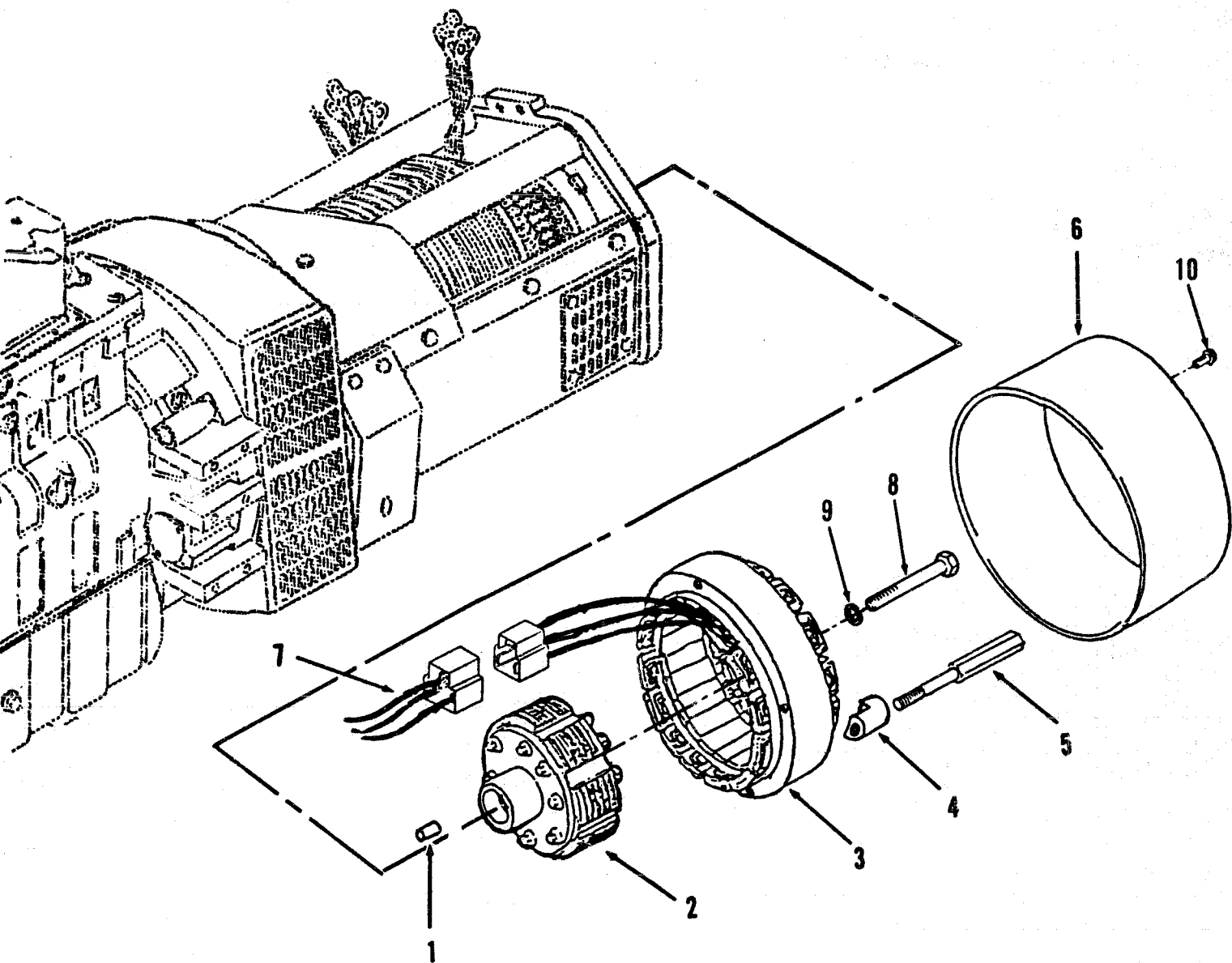
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	805-0015	8	Bolt, Place (3/8-16 x 3/4")	33	508-0139	-	Seal, Edging (Order by the foot - 3 feet required)
2	800-2088	12	Screw, Cap - Hex Head (M10 x 1.5 x 35)	34	234-0917-01	1	Cover, Stator - Upper
3	800-2113	8	Screw, Cap - Hex Head (M12 x 1.75 x 35)	35	234-0853-01	1	Cover, Stator - Lower
4	850-2010	12	Washer, Lock - Spring (M10)	36	800-2112	8	Screw, Cap - Hex Head (M12 x 30)
5	850-2012	8	Washer, Lock - Spring (M12)	37	850-2012	8	Washer, Lock - Spring (M12)
6	526-0174	8	Washer, Flat (M12)	38	526-2140	10	Washer, Flat (M12)
7	232-3454	2	Feet, Generator Mounting	41	517-0135	1	Plug
12			Stator	42	526-0077	6	Washer, Flat (M10)
	220-4298-31	1	40DGCA, 50DGCA (165 Stack Length)	43	800-2087	6	Screw, Cap - Hex Head (M10 x 30)
	220-4298-32	1	50DGCB, 60DGCB (190 Stack Length)	44	850-2010	6	Washer, Lock - Spring (M10)
	220-4298-37	1	50DGCB, 60DGCB (165 Stack Length)	45	234-0867	2	Guard, Fan
	220-4298-43	1	50DGCB, 60DGCB (165 Stack Length)	46	234-0879	2	Screen, Air Inlet
13			Rotor Assembly (Includes Parts Marked *)	47	821-2020	8	Screw, Cap - Locking Head (M5 x 10)
	201-3485-01	1	40DGCA, 50DGCA (165 Core Length)	48	815-0793-03	8	Screw, Cap - Locking Head (M5 x .8 x 12)
	201-3485-02	1	50DGCB, 60DGCB (190 Core Length)	49	850-2005	8	Washer, Lock - Spring (M5)
14	515-0298-02	1	*Key	50	211-0423	1	Bell, End
15	201-3434-02	1	*Rotor Assembly, Exciter (Includes Parts Marked ¶)	51	526-0077	6	Washer, Flat (M10)
16	357-0091	1	*¶Rectifier Assembly, Forward (Includes Diodes)	52	850-2010	6	Washer, Lock (M10)
17	357-0092	1	*¶Rectifier Assembly, Reverse (Includes Diodes)	53	800-2087	6	Screw, Cap - Hex Head (M10 x 30)
18	358-0135-01	3	*¶Diode, Positive (Forward) Includes Lead	54	850-2006	4	Washer, Lock - Spring (M6)
19	358-0135-02	3	*¶Diode, Negative (Reverse) Includes Lead	55	800-2042	4	Screw, Cap - Hex Head (M6 x 1 x 60)
20	304-0807	1	*Varistor	56	220-4293-05	1	Stator, Exciter (165 and 190 Stack Length)
21	510-0164	1	*Bearing, Ball	57	526-2100	3	Washer, Flat (M8)
22	518-0083	1	*Ring, Retaining	58	850-2008	3	Washer, Lock - Spring (M8)
23	821-2021	2	*Screw, Cap - Locking Head (M5 x 12)	59	232-3421	1	Block, Main Terminal
24	509-0266-02	1	Ring, "O"	60	800-2060	3	Screw, Cap - Hex Head (M8 x 1.25 x 35)
25	231-0317	1	Adapter, Generator (SAE 2)	61	508-1057	1	Grommet
26			Screw, Cap - Hex Head (M10 x 56)	62	150-2309	1	Bracket, Overspeed Switch
	800-2091	5	M10 x 60	63	150-0956	1	Switch, Overspeed
	800-2093	1	M10 x 60	64	150-0723	1	Point, Overspeed
27	850-2010	6	Washer, Lock - Spring (M10)	65	870-0250	1	Nut, Insulated
28	720-1119	8	Screw, Cap - Hex Head (M16 x 40)	66	862-0001	2	Nut, Hex (1/4-20)
29	232-3443	3	Disc, Generator Drive (SAE 11.5)	67	853-0013	1	Washer, Lock - ET (1/4")
30	232-3593	1	Hub, Drive-Generator	68	856-0010	1	Washer, Lock - EIT (3/8")
31	526-0259	8	Washer, Flat (M16)	69	800-2088	1	Screw, Cap - Hex Head (M10 x 35mm)
32	231-0319	1	Ring, Adapter	70	526-0240	1	Washer, Flat (13/32" ID x 1-1/2" OD x 1/8" Thk)
				71	821-2020	4	Screw, Self-Locking - Hex Washer Head (M5 x 10mm)
				72	234-0875-01	1	Cover, End Bell
				73	232-3462-01	4	Spacer, Cover
				74	526-2080	4	Washer, Flat (M6)

* - Parts Included in the Rotor Assembly.

¶ - Parts Included in the Exciter Rotor Assembly.

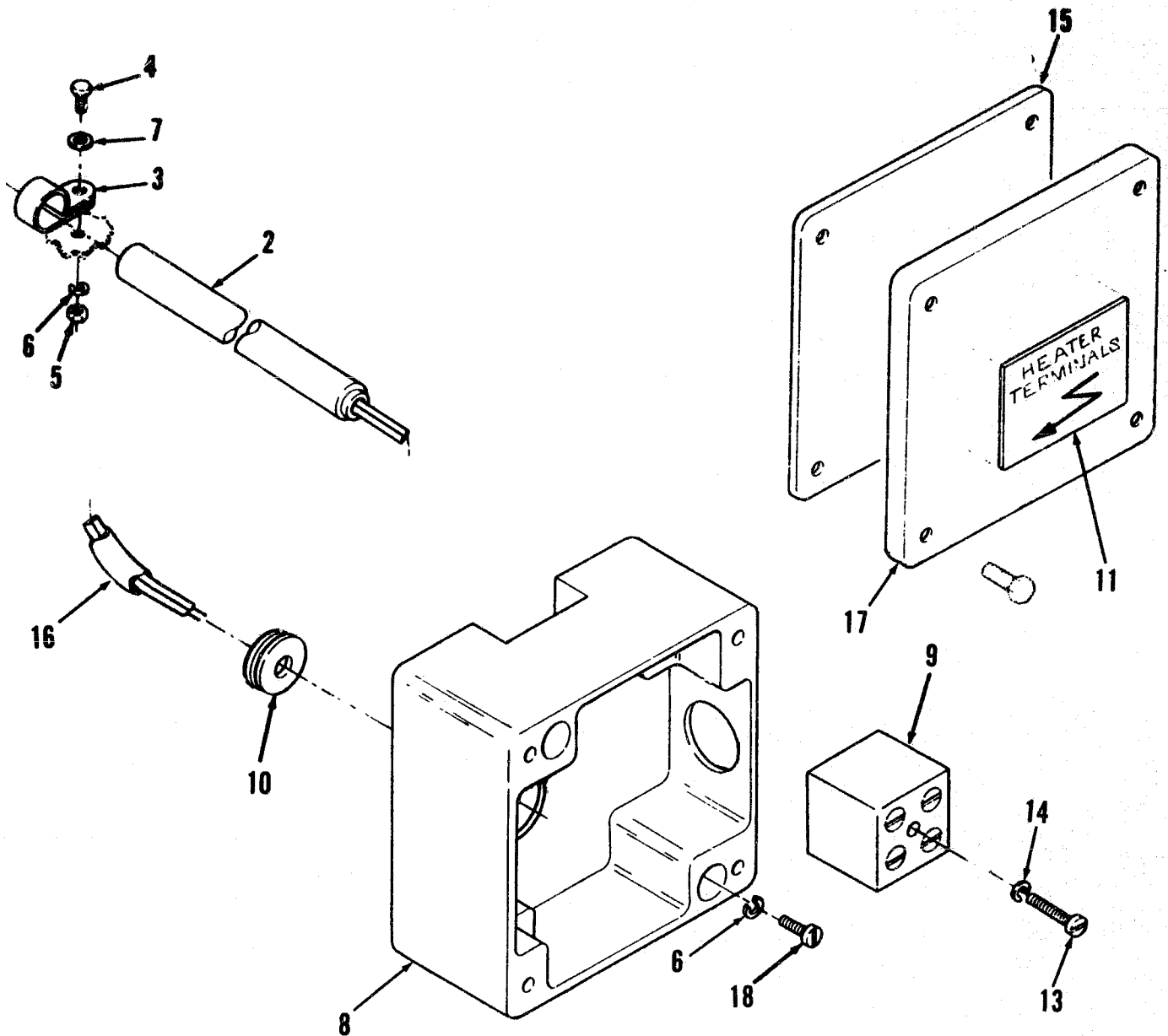
NOTE: When ordering rotor and stator parts, furnish complete model, spec and serial number of the generator set.

Permanent Magnet Exciter



REF NO.	ONAN PART NO.	NEWAGE PART NO.	QTY USED	PART DESCRIPTION	REF NO.	ONAN PART NO.	NEWAGE PART NO.	QTY USED	PART DESCRIPTION
1	775-0049	054-20505	1	Pin, Dowel	6	234-0875-02	450-14360	1	Cover, Bell - End
2	201-3446	130-20136	1	Rotor, Exciter	7	249-0462	450-22000	1	Harness, Wiring
3	220-4233	420-17200	1	Stator, Exciter	8	815-0761-01	350-14950	1	Bolt (M10 x 1.5 x 110)
4	232-3511	130-20101	4	Clamp, Stator	9	850-2010	028-31509	1	Washer, Lock - Spring (M10)
5	232-3462-02	450-14370	4	Spacer, Mounting - Corner	10	821-2020		4	Screw, Locking - Hex Head Flange (M5 x 0.8 x 10)

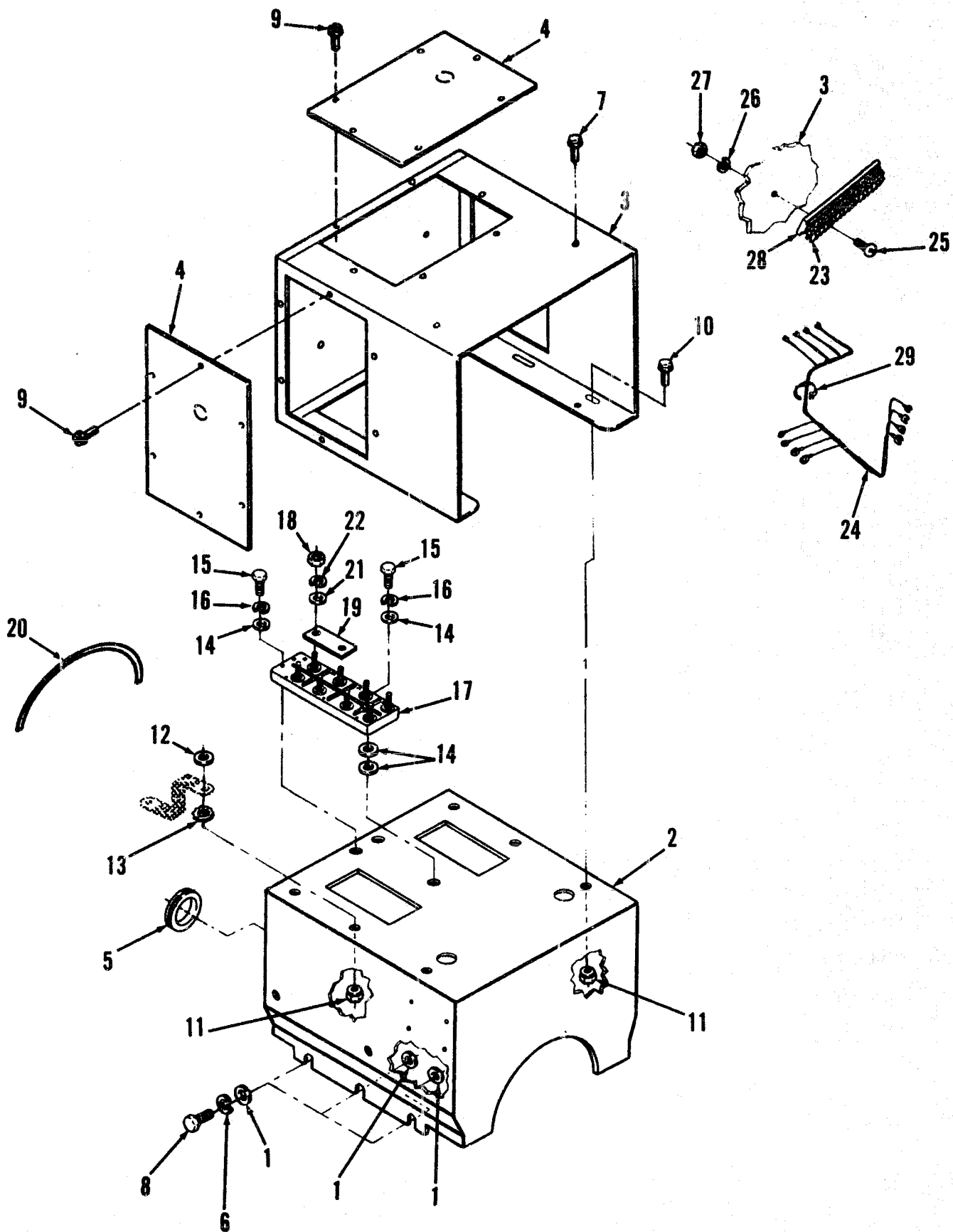
Generator Heater



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
2	333-0438-07	1	Cartridge, Heater
	333-0438-08	1	120 Volt
	333-0438-08	1	240 Volt
3	332-3024-11	2	Clamp, Loop
4	822-3075	6	Screw, Head-Pan (M4 x 16)
5	860-2005	2	Nut, Hex (M4)
6	850-2004	4	Washer, Lock-Spring (M4)
7	526-2050	2	Washer, Flat (M4)
8	330-0142	1	Terminal, Box - Heater
9	332-3023	1	Block, Terminal

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
10	508-0228	1	Grommet
11	98-6142	1	Label, Heater ADJ
13	822-3047	1	Screw, Head-Pan (M3 x 20mm)
14	850-2003	1	Washer, Lock-Spring (M3)
15	330-0141-04	1	Gasket, Box-Terminal
16	898-1254-19	1	Sleeving, CL200 Insulation
17	330-0141-03	1	Cover, Box-Terminal
18	815-0446	2	Screw, Round Head - Cross Recessed with Internal Tooth Lock Washer (#8-32 x 1/2")

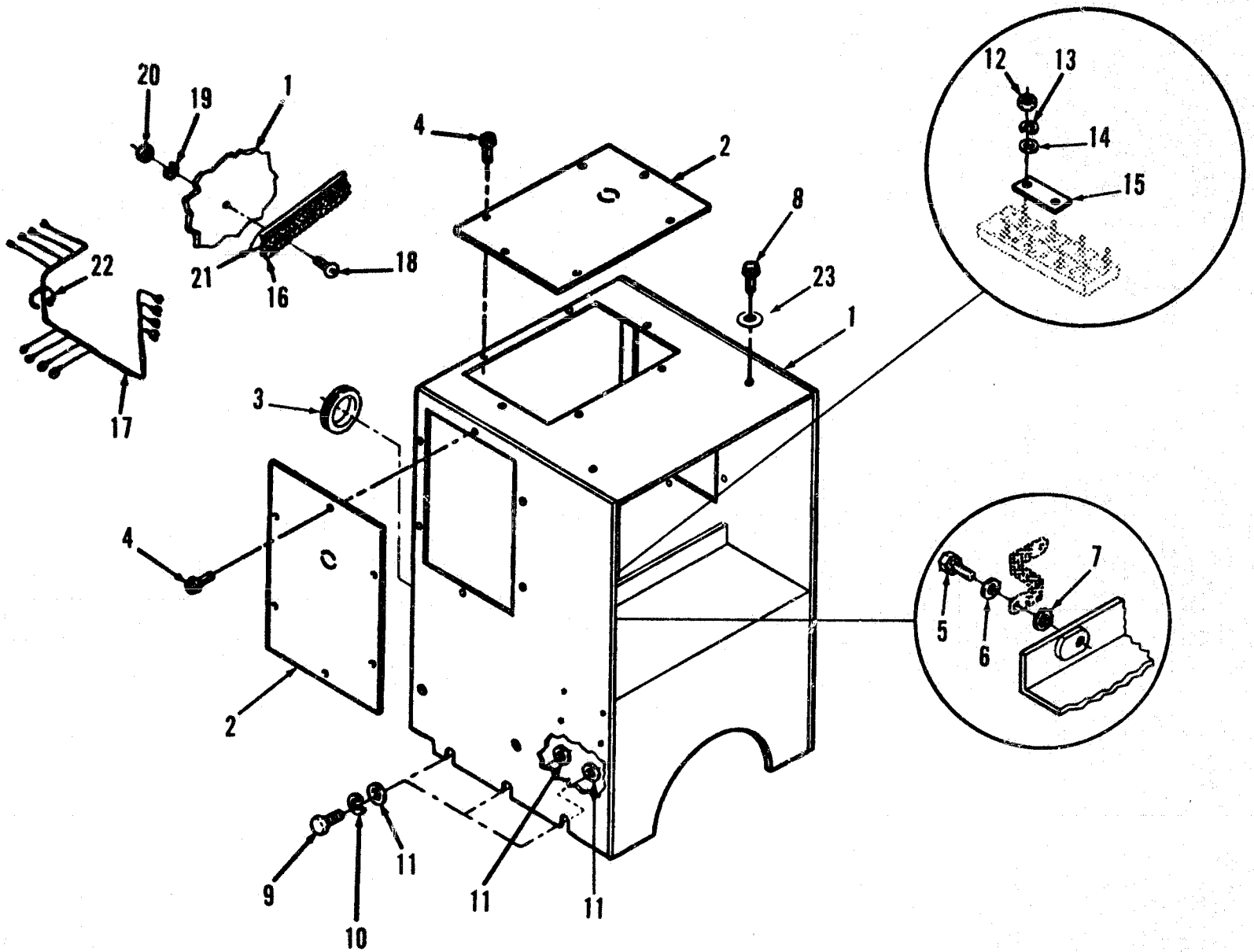
Control Housing Spec B thru E



Control Housing Spec B thru E

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Washer, Flat	11	870-0212	6	Nut, Hex - Locking (1/4-20)
	526-2120	8	UC2 Generator (M10)	12	526-0018	2	Washer, Flat (1/4")
	526-2140	8	UC3 Generator (M12)	13	856-0006	1	Washer, Lock - EIT (1/4")
2			Saddle, Box - Control	14	526-2100	5	Washer, Flat (M8)
	319-0660	1	UC2 Generator	15	800-2060	3	Screw, Cap - Hex Head (M8 x 1.25 x 35)
	319-0664	1	UC3 Generator				
3	319-0714	1	Housing, Box - Control	16	850-2008	3	Washer, Lock - Spring (M8)
4	301-3156	3	Panel, Box - Control	17	232-3421	1	Block, Terminal
5	508-0051	1	Grommet	18	860-2009	8	Nut, Hex (M10 x 1.5)
6			Washer, Lock - Spring	19	332-2987	4	Link, Terminal
	850-2010	6	UC2 Generator (M10)	20	508-1051	2	Trim, Edge
	850-2012	6	UC3 Generator (M12)	21	526-2120	8	Washer, Flat (M10)
7	821-0014	4	Screw, Cap - Locking Head (5/16-18 x 1/2")	22	850-2010	8	Washer, Lock - Spring (M10)
8			Screw, Cap-Hex Head	23	332-3107	1	Block, Terminal
	800-2088	6	M10 x 1.5 x 35mm (UC2 Generator)	24	338-2506	1	Harness, Wiring (Auxillary Terminal Block to TB21)
	800-2112	6	M12 x 1.75 x 30mm (UC3 Generator)	25	812-0085	3	Screw, Machine - Round Head (#8-32 x 1-1/8")
9	815-0350	18	Screw, Cap - Hex Slotted Head (#10-32 x 3/8")	26	850-0025	3	Washer, Lock - Spring (#8)
10	821-0018	6	Screw, Cap - Locking Head (1/4-20 x 5/8")	27	870-0221	3	Nut, Machine - Hex (#8-32)
				28	232-3536	1	Base, Block - Terminal
				29	332-1445	4	Tie, Cable

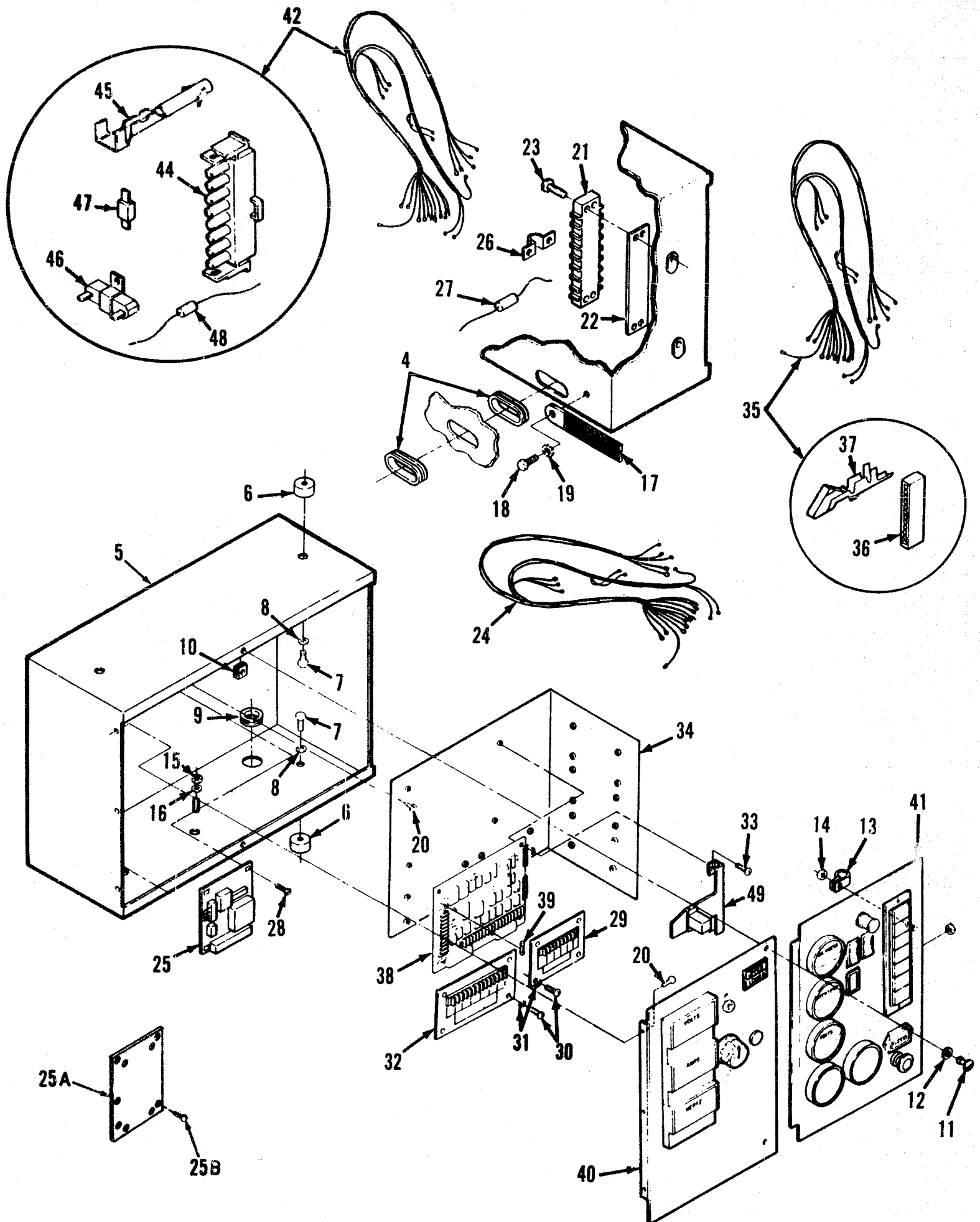
Control Housing
Begin Spec F



Control Housing Begin Spec F

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Box, Mounting - Control	11			Washer, Flat
	319-1189	1	UC22 Generator		526-2120	6	M10 (UC22 Generator)
	319-1193	1	UC27 Generator		526-2140	6	M12 (UC27 Generator)
2	301-3156	3	Panel, Box - Control Mounting	12	860-2009	8	Nut, Hex (M10 x 1.5)
3	508-1057	1	Grommet	13	850-2010	8	Washer, Lock - Spring (M10)
4	815-0350	18	Screw, Hex Head - Slotted (#10-32 x .38")	14	526-2120	8	Washer, Flat (M10)
5	821-0018	1	Screw, Cap - Locking Head (1/4-20 x .62")	15	332-2987	4	Link, Terminal
6	526-0018	1	Washer, Flat (1/4)	16	332-3107	1	Block, Terminal
7	856-0006	1	Washer, Lock - EIT (1/4)	17	338-2506	1	Harness, Wiring
8	821-0014	5	Screw, Cap - Locking Head (5/16-18 x 1/2")	18	812-0085	3	Screw, Machine - Round Head (#8-32 x 1-1/8")
9			Screw, Cap-Hex head	19	850-0025	3	Washer, Lock - Spring (#8)
	800-2088	6	M10 x 35mm (UC22 Generator)	20	870-0221	3	Nut, Hex - Machine (#8-32)
	800-2112	6	M12 x 30mm (UC27 Generator)	21	232-3536	1	Base, Block - Terminal
10			Washer, Lock-Spring	22	332-1445	4	Tie, Cable
	850-2010	6	M10 (UC22 Generator)	23	526-0013	2	Washer, Flat (25/64")
	850-2012	6	M12 (UC27 Generator)				

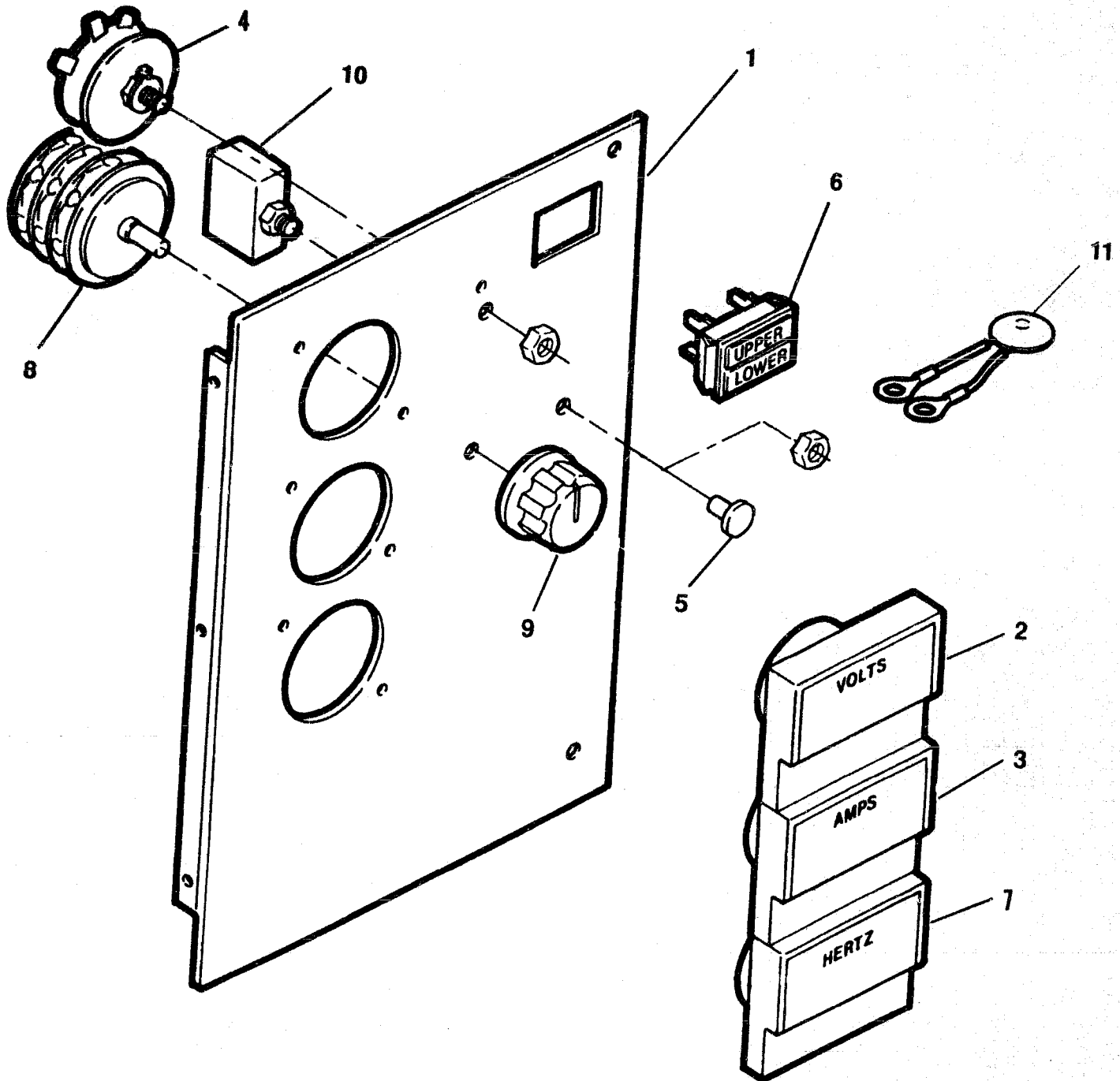
Control



Control

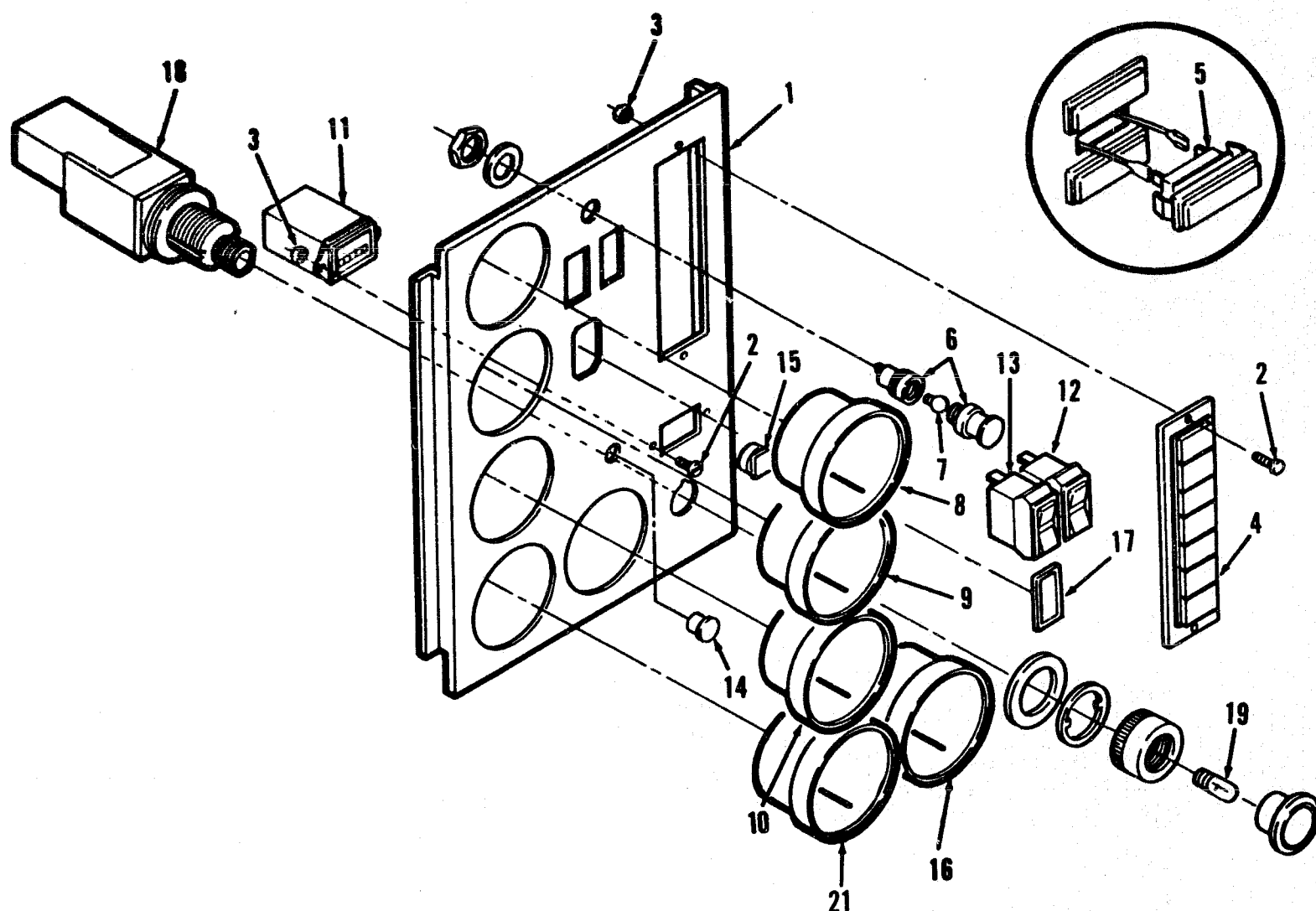
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	508-0051	1	Grommet (2" Hole)	29	300-2856	1	Board, Printed Circuit - Alarm Relay (A14)
5	301-8065	1	Box, Control	30	812-0063	8	Screw, Machine - Round Head (#6-32 x 1/2")
6	402-0527	4	Isolator, Vibration	31	953-0003	8	Washer, Lock - ET (#6)
7	800-0045	4	Screw, Cap - Hex Head (5/16-18 x 3/8")	32	300-2863	1	Board, Printed Circuit - Alarm Relay (A13)
8	850-0045	4	Washer, Lock - Spring (5/16")	33	815-0544	4	Screw, Machine - Round Head - Cross Recessed with IT (#6-32 x 1/2")
9	508-0001	1	Grommet (1-1/16" Hole)	34	301-8851	1	Bracket, Mounting
10	406-0332	2	Receptacle, Fastener	35	338-2277	1	Harness, Wiring - DC (Includes Connector Housing and Contact Pins) (DC Door Assembly to Engine Monitor) Housing, Connector
11	406-0333	2	Stud, Fastener	36	323-1308	1	12 Place (J4)
12	406-0334	2	Washer, Retainer - Stud		323-1310	1	13 Place (J3)
13	332-0052	2	Clip, Wire	37	323-1302	12	Pin, Contact
14	870-0131	6	Nut, Hex - With ET (#10-32)	38			Monitor, Engine (Includes Fuses) (A11)
15	871-0015	1	Nut, Hex (1/4-20) Grounding Stud		300-2810	1	7 Light Control
16	853-0013	1	Washer, Lock - ET (1/4") Grounding Stud		300-2812	1	12 Light Control
17	337-0049	1	Strap, Ground	39			Fuse
18	800-0024	1	Screw, Cap - Hex Head (5/16-18 x 1/2")		321-0270	2	20 Amp (F1,F2)
19	856-0008	1	Washer, Lock - EIT (5/16")		321-0231	1	15 Amp (F3)
20	821-0004	8	Screw, Self-Locking - Hex Washer Head (#10-32 x 5/16")		321-0094	2	5 Amp (F4,F5)
21	332-0607	1	Block, Terminal - 12 Place (TB21)	40	-	1	Door Assembly, Control - AC (See Separate Page for Components)
22	332-2723	1	Strip, Marker - 12 Place	41	-	1	Door Assembly, Control - DC (See Separate Page for Components)
23	812-0065	2	Screw, Machine - Round Head (#6-32 x 5/8")	42			Harness, Wiring - Engine to Control (Includes Grommet, Resistor, Rectifier, Diode, Connector Housing and Sockets)
24	338-2278	1	Harness, Wiring AC Door Assembly to TB21 Terminal Block (Includes TB21 Terminal Block)		338-2430	1	Spec B through D
	338-1835	1	Alarm Relay (8 Wire) (A13 to A11TB1 and TB2)		338-2620	1	Spec E-G
	338-1836	1	Alarm Relay (5 Wire) (A14 to A11TB2)		338-2864	1	Spec H
25			Board, Voltage Regulator (VR21)	44			Housing, Connector
	305-0824	1	Non-PMG Generator		323-1304	1	6 Place (J2)
	305-0823	1	PMG Generator		323-1306	1	8 Place (J1)
25A	319-0652	1	Plate, Mounting - Voltage Regulator - PMG Generator	45	323-1200	11	Socket, Female
25B	815-0544	6	Screw, Locking Head (#6-32 x 1/2") PMG Generator	46	353-0094-01	1	Resistor (R1)
26	332-1043	1	Jumper, Terminal (TB21-22 to 21)	47	357-0030	1	Rectifier (CR1)
27	350-1222	1	Resistor (TB21-32 to 26)	48	359-0051	1	Diode (CR2)
28	815-0540	4	Screw, Machine - Round Head - Cross Recessed with IT (#8-32 x 1")	49	-	1	Relay, Run (See Separate Page 23 for Components)

AC Control Door Assembly



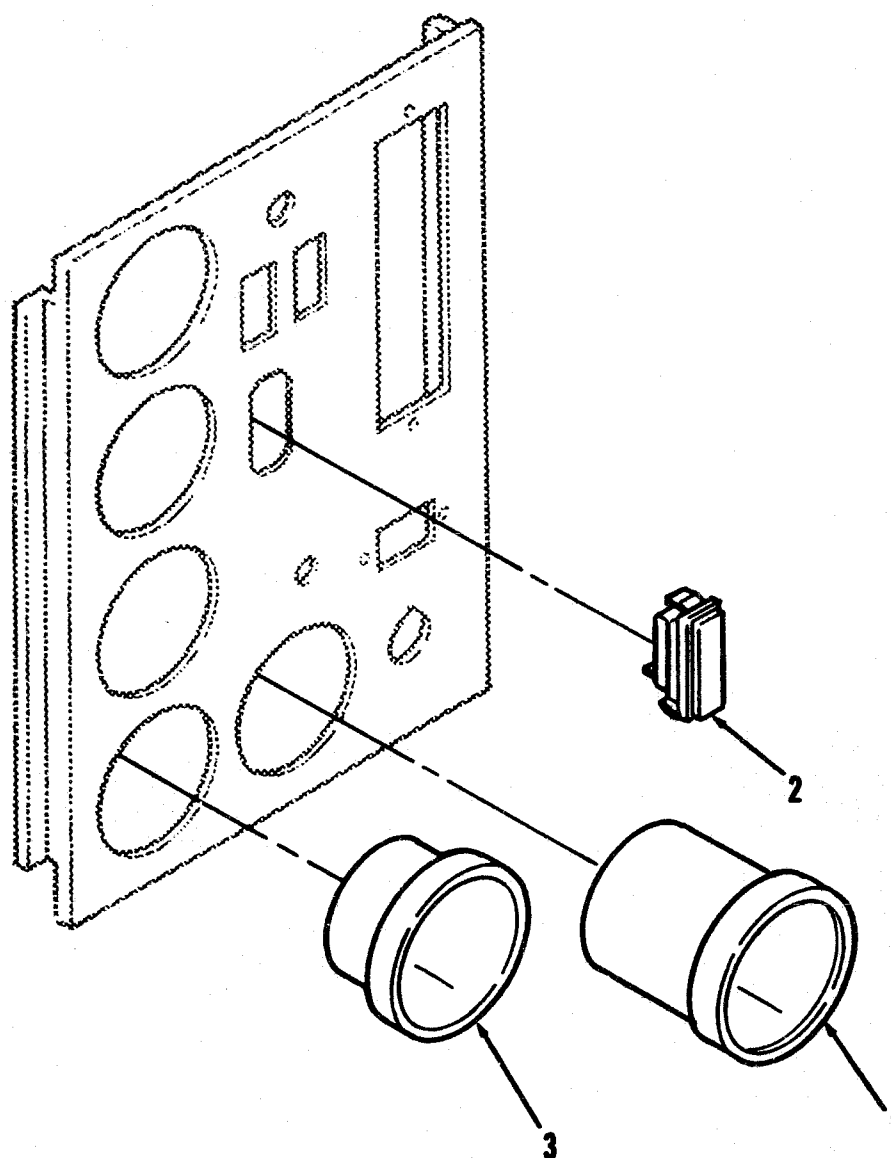
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	301-9054-03	1	Door, Control - AC Without Meter Holes	5	517-0131	1	Plug, Hole (3/8" Hole)
	301-9054-02	1	With Three Meter Holes	6	322-0363	1	Light, Indicator - Upper/Lower Scale (DS21, DS22)
	301-9054-01	1	With Four Meter Holes	7	302-1720	1	Meter, Frequency (M23)
	301-9054-04	1	With Five Meter Holes	8	308-0882	1	Switch, Rotary - Voltmeter/Ammeter (Knob Not Included) (S21)
2	302-1148	1	Voltmeter (M21) 0-300/600	9	303-0032	1	Knob, Switch - Rotary Breaker, Circuit (CB21)
	302-1753	1	0-750	10	320-1688-01	1	Without Auxiliary Contact
3	302-1147	1	Ammeter (M22) 0-75/150		320-1688-02	1	With Auxiliary Contact
	302-1683	1	0-100/200	11	355-0189	1	Capacitor - Voltmeter (.1 Mfd., 500 WVDC) (C21)
	302-1684	1	0-150/300				
4	303-0261	1	Potentiometer, Adjust - Voltage (R21) 1.5K Ohms (Used with Model SX440 Voltage Regulator) (Non-PMG Generator)				
	303-0285	1	5K Ohms (Used with Model MX321 Voltage Regulator) (PMG Generator)				

DC Control Door Assembly



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	301-9055-02	1	Door, Control - DC With Three Holes	11	302-0885	1	Meter, Totalizing - Time (M14)
	301-9055-01	1	With Five Holes	12	308-0892	1	Switch, Rocker - Restart/ Panel Light (S11)
2	815-0385	4	Screw, Machine - Round Head (#6-32 x 1/2")	13	308-0784	1	Switch, Rocker - Run/Stop/ Remote (S12)
3	870-0183	4	Nut, Hex - With ET (#6-32)	14	517-0131	1	Plug, Hole (3/8" Hole)
4			Light Assembly, Indicator (Includes Wiring Harness and Connector Housing) (A12)	15	193-0250	3	Resistor (Mounted on Oil Pressure, Oil Temperature Gauges, and Water Temperature Gauges (R11,R12,R13))
	322-0358-02	1	7 Light Assembly	16	302-1723	2	Ammeter, Scale - Blank
	322-0360-02	1	12 Light Assembly	17	301-6257	1	Blank, Switch
5	322-0369-02	1	Light, Indicator - Replacement	18	308-0853	1	Switch, Pushbutton - Emergency Stop (S14)
6	322-0361	1	Light, Panel (DS11)	19	322-0223	1	Bulb, Switch - Pushbutton Replacement
7	322-0017	1	Bulb, Light - Replacement	21	193-0330	1	Gauge, Temperature - Oil
8	193-0352	1	Gauge, Pressure - Oil (M11)				
9	193-0351	1	Gauge, Temperature - Water (M12)				
10	302-1642	1	Voltmeter (M13)				

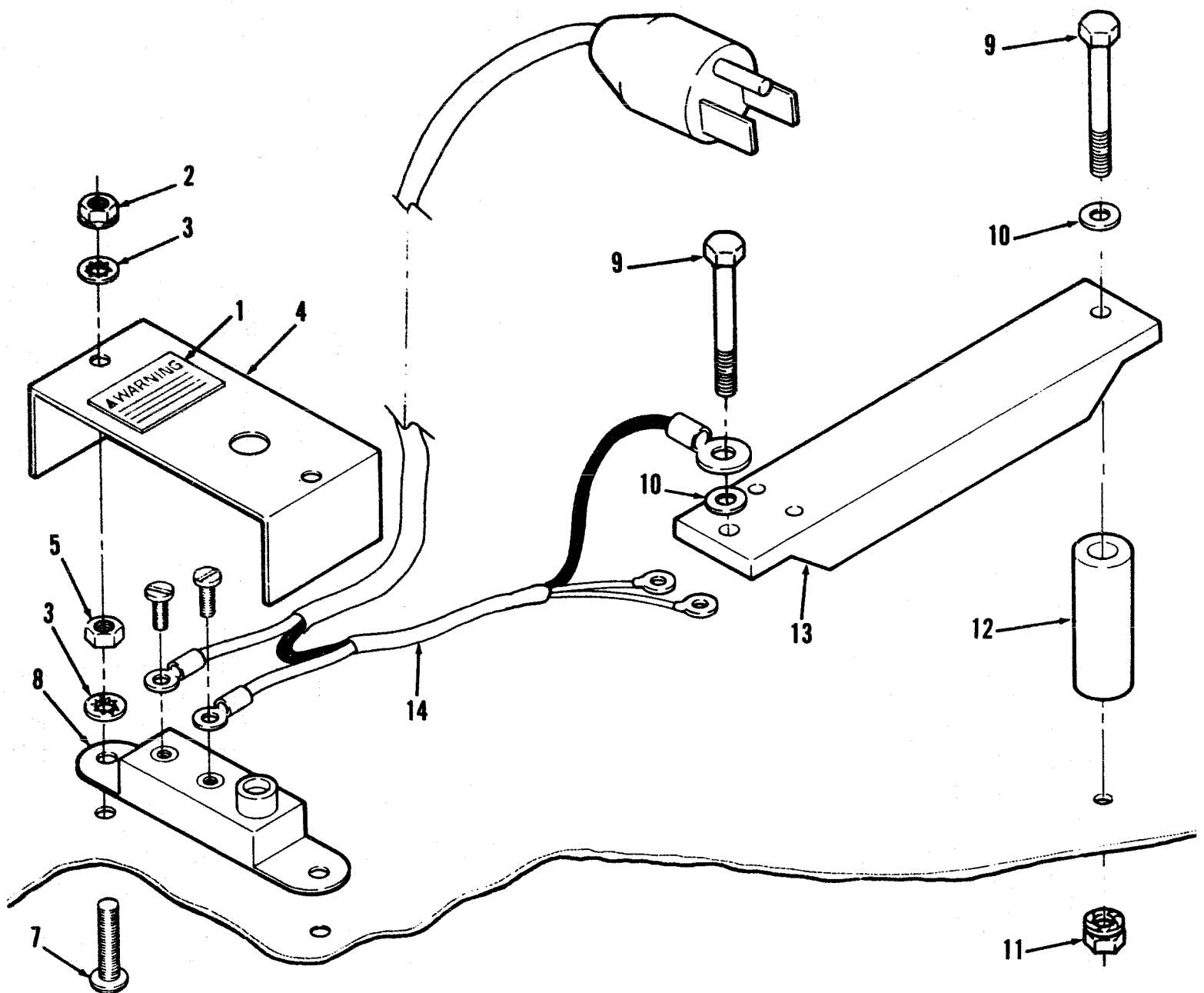
Tachometer



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

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
3	302-1723	1	Ammeter - Blank Scale

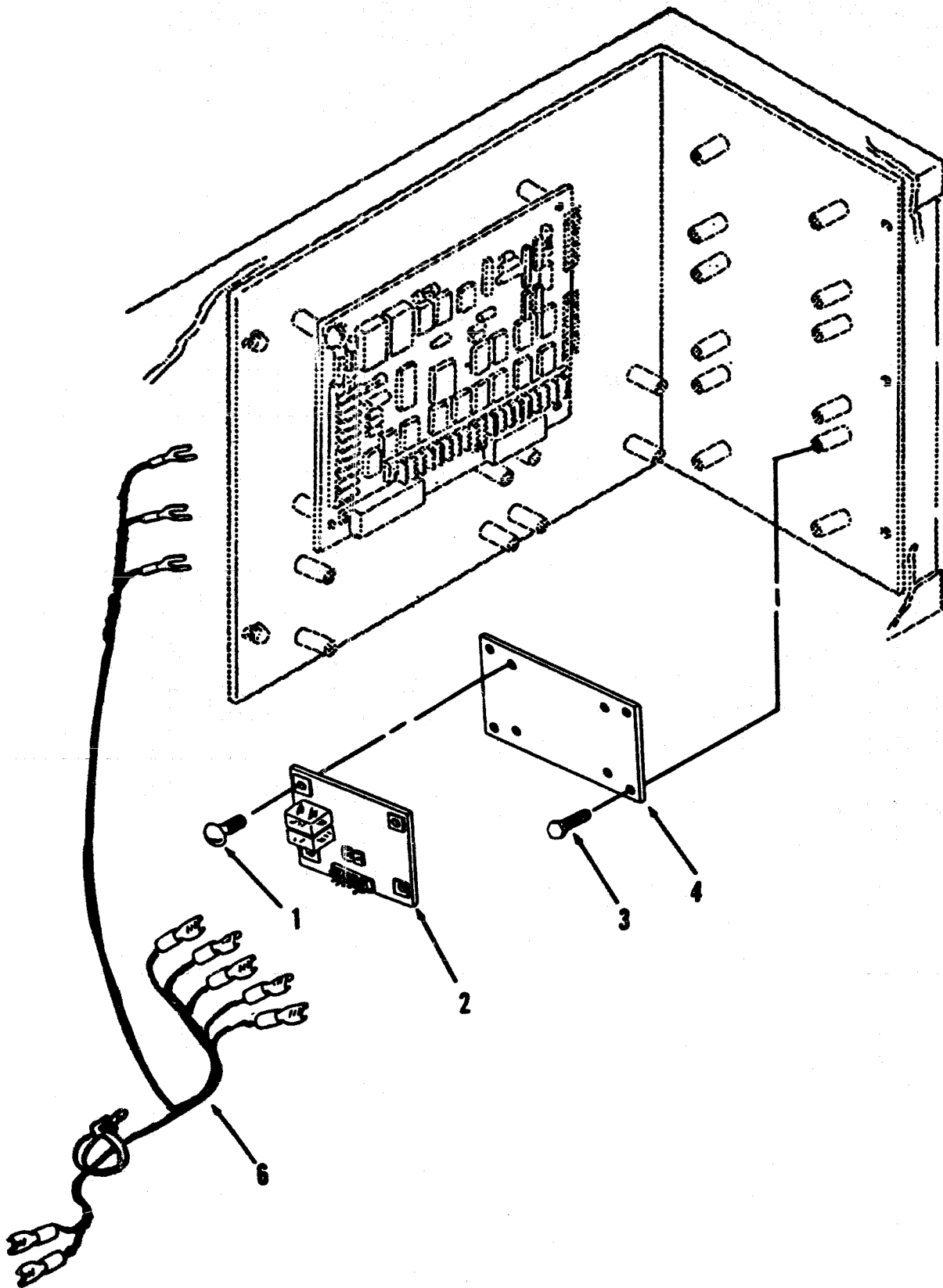
Control Space Heater



950B

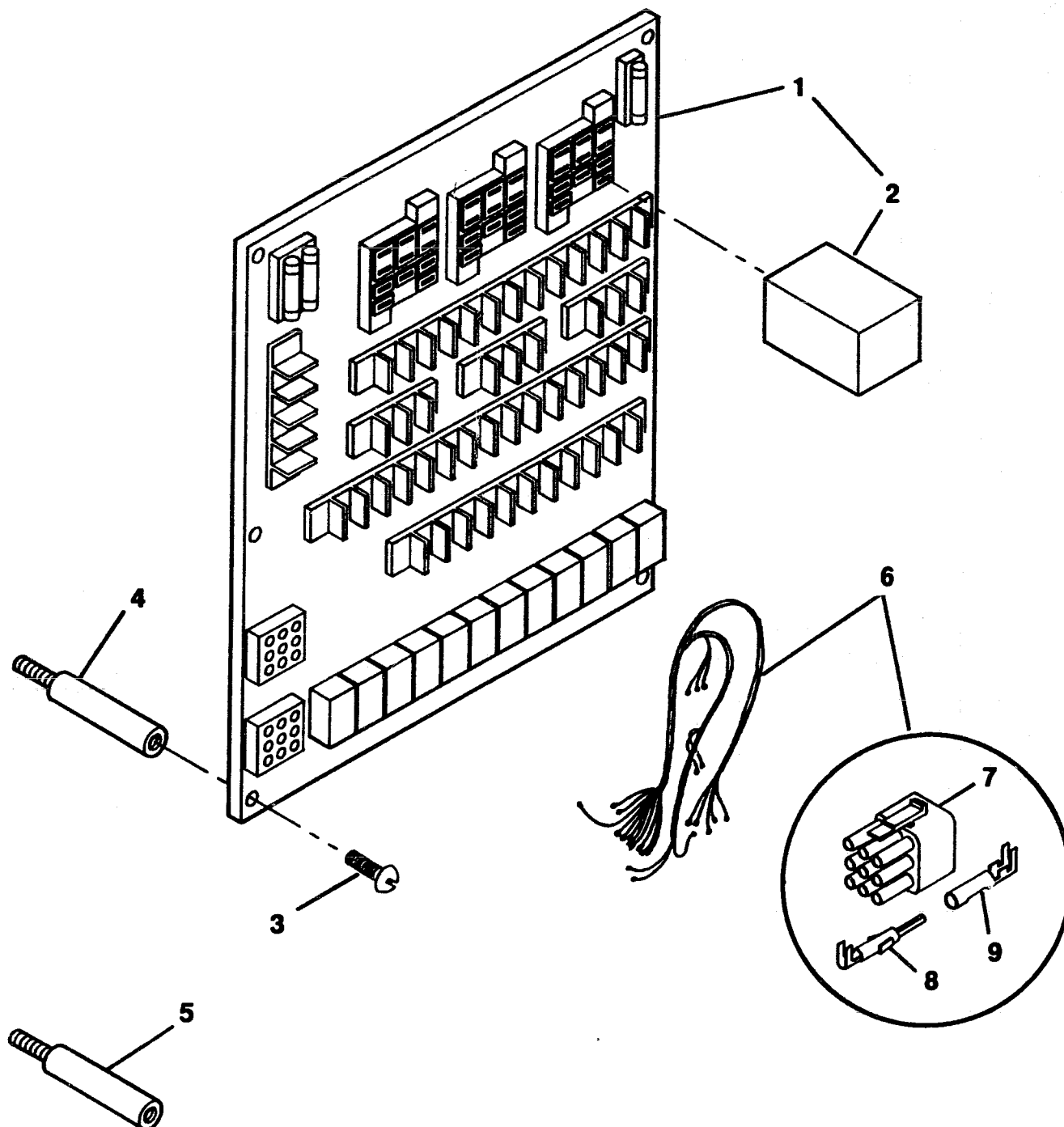
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	98-3232	1	Decal, Warning "Shock Hazard"	11	870-0257	2	Nut, Self-Locking - Hex (5/16-18)
2	870-0183	2	Nut, Self-Locking - Hex (#6-32)	12	130-1107	2	Spacer
3	854-0006	4	Washer, Lock - IT (#6)	13	333-0151	1	Heater, Electrical 75 Watt, 120 VAC
4	301-1886	1	Cover		333-0378	1	300 Watt, 240 VAC
5	860-0006	2	Nut, Hex (#6-32)	14	335-0161	1	Cable, Electrical 120 VAC
7	812-0070	2	Screw, Machine - Round Head (#6-32 x 1-1/4")		338-2181	1	240 VAC (Wiring Harness with Diode 357-0013, Less Plug)
8	309-0128	1	Thermostat - Adjustable				
9	800-0034	2	Screw, Cap - Hex Head (5/16-18 x 2-1/4")				
10	526-0113	2	Washer, Flat (5/16")				

Electronic Overspeed Module



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	812-0084	4	Screw, Machine - Round Head (#8-32 x 1/2")	4	319-0754	1	Plate, Mounting - Overspeed Module
2	305-0818 02	1	Module, Overspeed - 24 VDC (Frequency Detection Module)	6	338-2493	1	Harness, Wiring (A16 to A11 and AUX-P2,P3)
3	815-0544	4	Screw, Cap - Hex Head with ET Lockwasher (#6-32 x 1/2")				

Alarm Relay Board
DGBA, DGCA, DGCB Begin Spec J
DGBB Begin Spec B, DGBE Begin Spec A

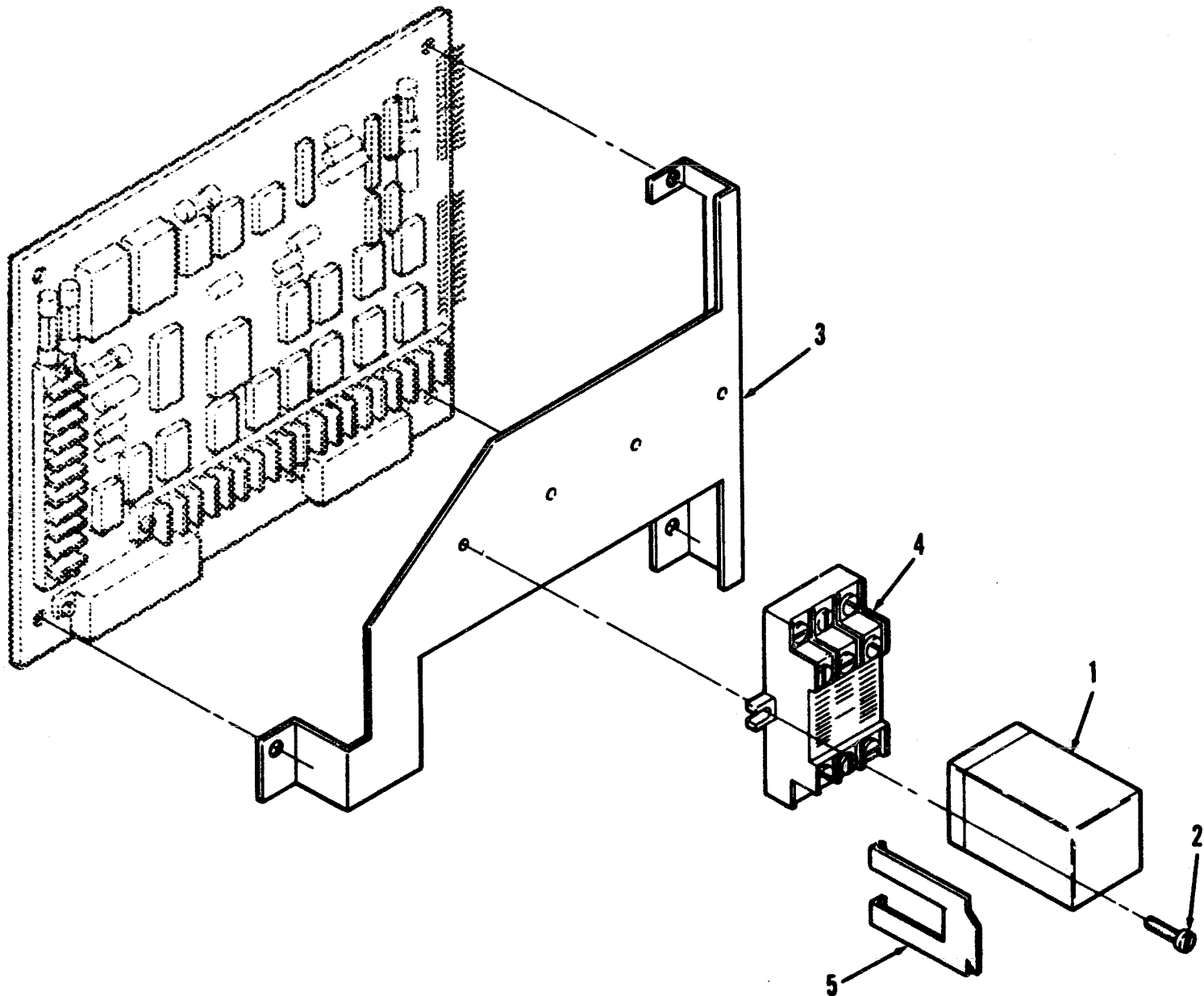


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Board, Relay - Alarm (Includes Relay)
	300-4111-02	1	Without Form C Relays
	300-4111-04	1	With Form C Relays
2	307-1056	1	Relay (Quantity Used As Required) (K1,K2,K3)
3	815-0544	6	Screw, Machine - Round Head Cross-Recessed with Internal Tooth (#6-32 x 1/2")

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	870-0517-01	4	Standoff (Clear) (1-7/8")
5	870-0517-02	2	Standoff (Yellow) (2")
6	338-2875	1	Harness, Wiring (Includes Parts Marked *) (A11-TB1 and TB2 to Alarm Relay Board)
7	323-1291	2	*Plug - 9 Place (P1,P2)
8	323-1199	9	*Pin, Contact
9	323-1200	8	*Socket, Contact

* - Parts Included in 338-2875 Wiring Harness

Run Relay
DGBA, DGBA, DGBB Spec B-G, DGBB Spec A

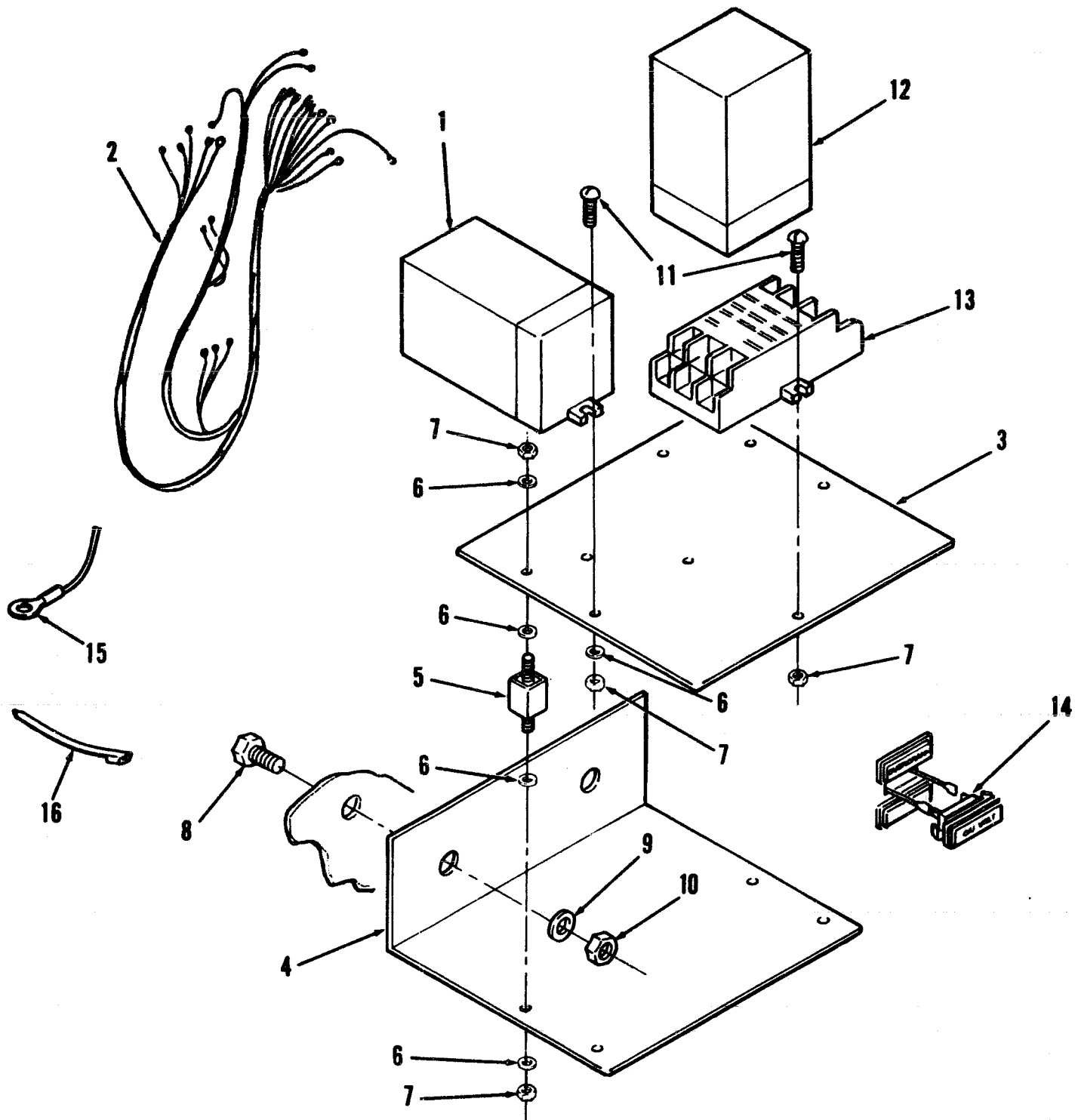


577B

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	307-1056	3	Relay, Run (K11)
2	815-0388	4	Screw, Pan Head - Cross Recessed Thread (#6-32 x 1/2")

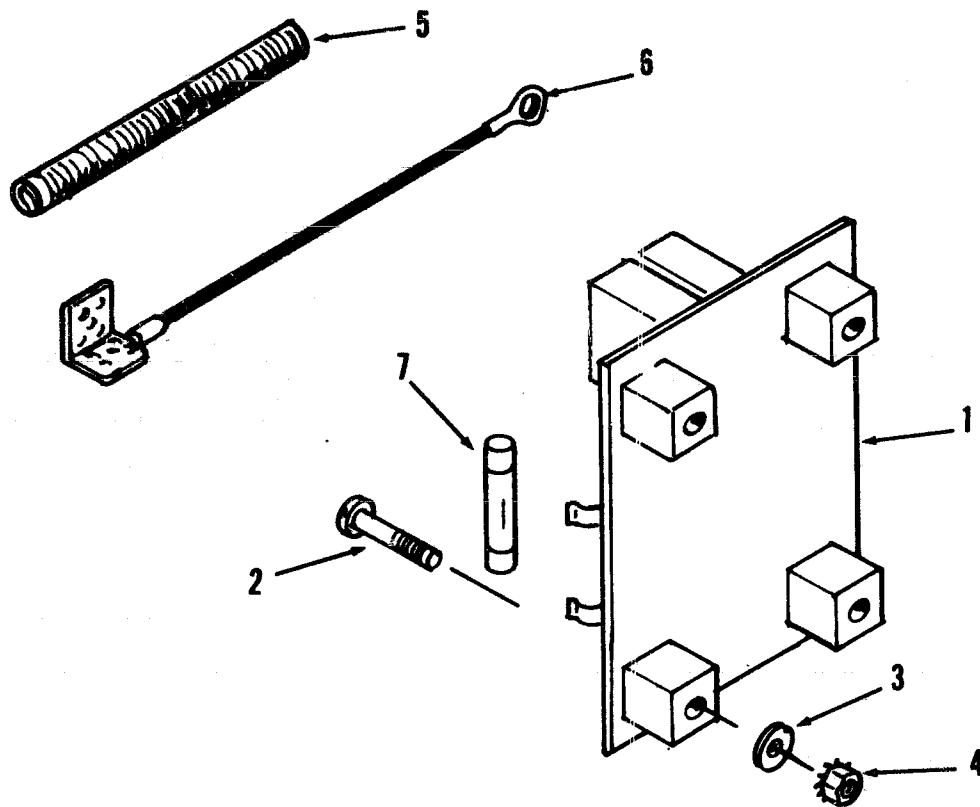
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
3	319-0447	1	Bracket, Mounting - Relay
4	323-0804	3	Socket, Relay
5	307-1987	6	Holddown, Relay

Over/Under Voltage Relay



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	307-2552	1	Relay, Voltage - Over/Under (120VAC) (A17)	9	850-0045	2	Washer, Lock - Spring (5/16")
2	338-2123	1	Harness, Wiring - Over/Under Voltage	10	862-0014	2	Nut, Hex (5/16-18)
3	301-9933	1	Plate, Mounting - Relay	11	812-0082	4	Screw, Machine - Round Head (#8-32 x 3/4")
4	301-6987	1	Bracket, Mounting - Relay	12	307-1911	1	Relay, Delay - Time (.1 to 10 Seconds) (K17)
5	402-0354	4	Mount, Shock	13	323-0804	1	Socket, Relay
6	856-0002	18	Washer, Lock - EIT (#8)	14	322-0384-09	1	Light, Indicator - "O/U Volt"
7	860-0008	12	Nut, Hex (#8-32)	15	332-0898	1	Terminal, Ring
8	821-0017	2	Screw, Cap - Self-Locking (5/16-18 x 1/2")	16	332-0942	3	Tie, Cable

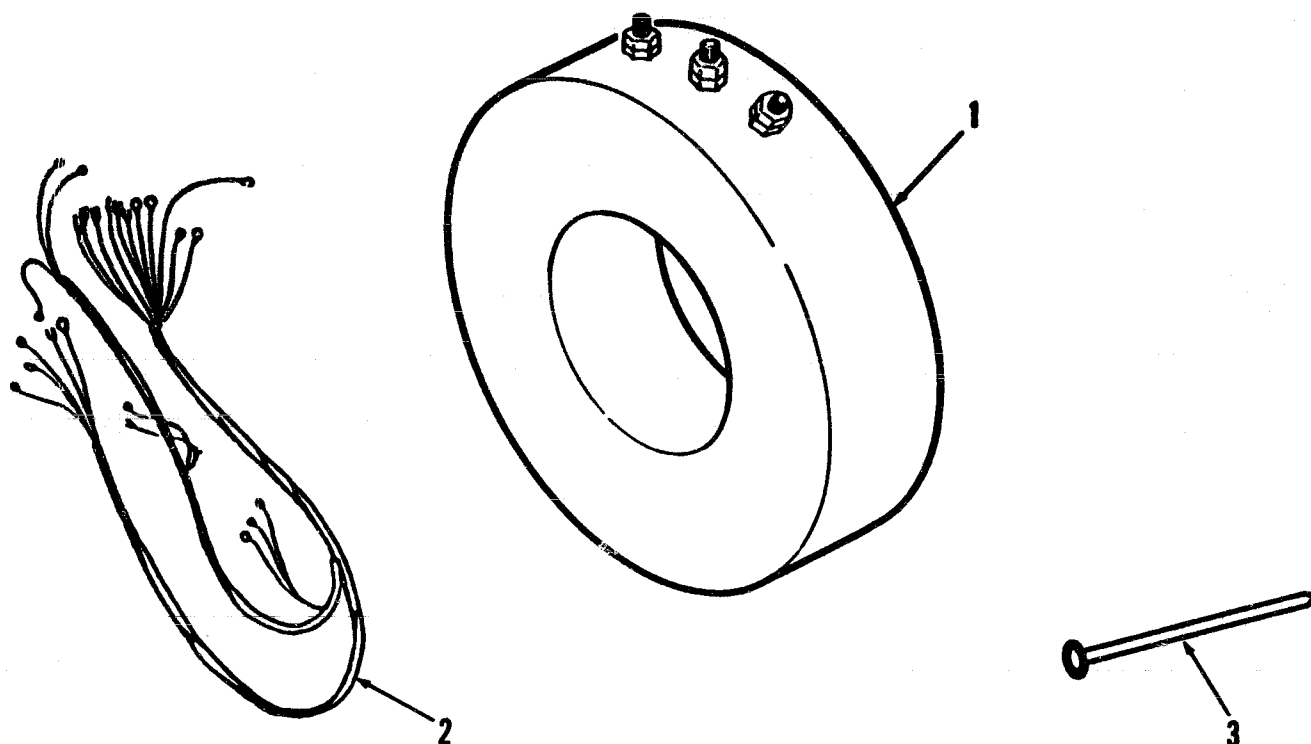
RFI Module



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	314-0212	1	Module, RFI
2	813-0107	4	Screw, Round Head - Slotted (#10-32 x 1-1/4")
3	526-0008	4	Washer, Flat

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	870-0131	4	Nut, Hex - W/ET (#10-32)
5	314-0213	1	Shield, Wiring (3"x16.4')
6	226-4536	1	Lead
7	321-0327-01	1	Fuse, 5 Amps

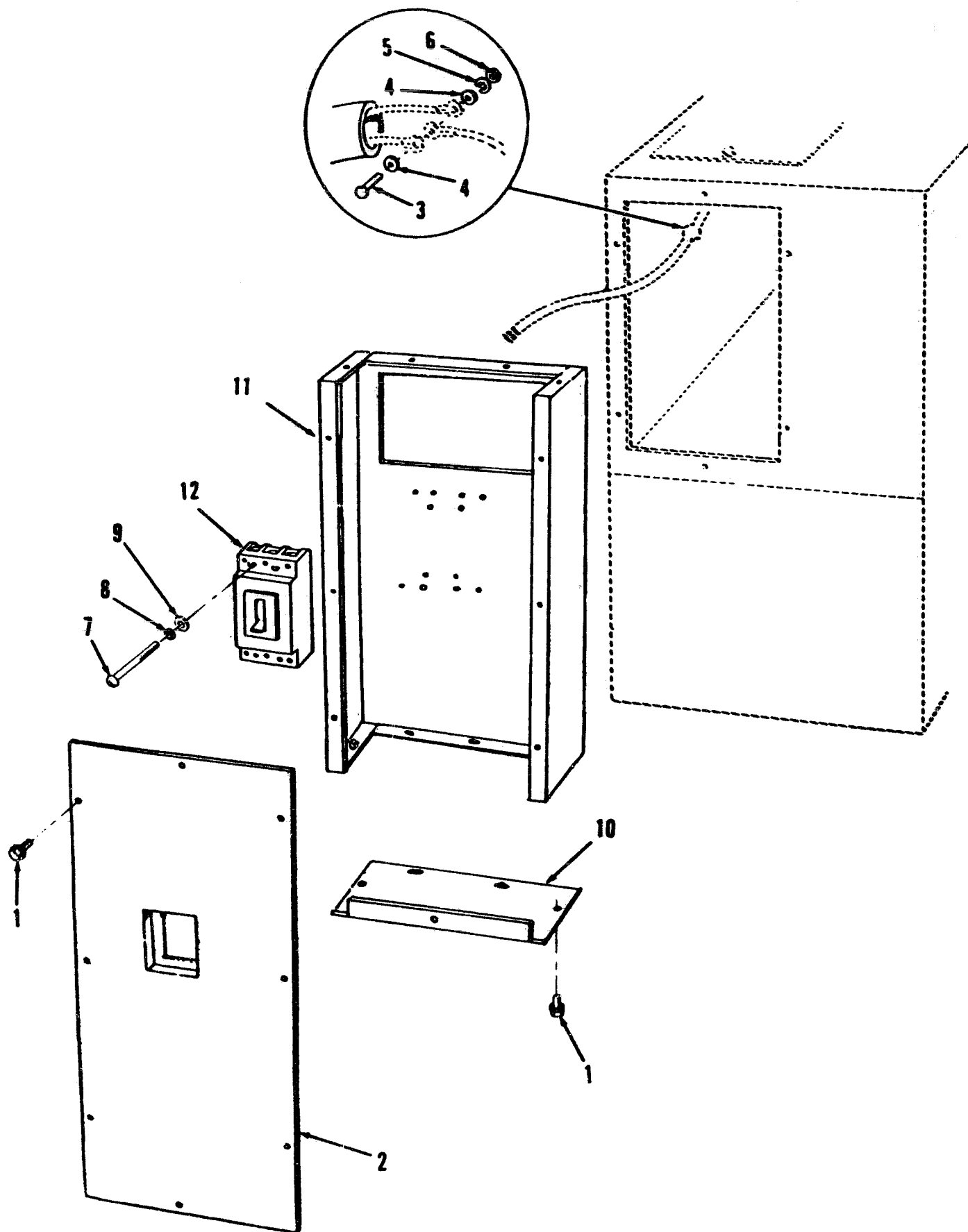
Current Transformer



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Transformer, Current (CT21, 22, 23)
	302-1845-03	3	Ratio 150/5
	302-1845-04	3	Ratio 200/5
	302-1845-05	3	Ratio 300/5

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
2	338-2229	1	Harness, Wiring
3	332-1389	6	Tie, Wire

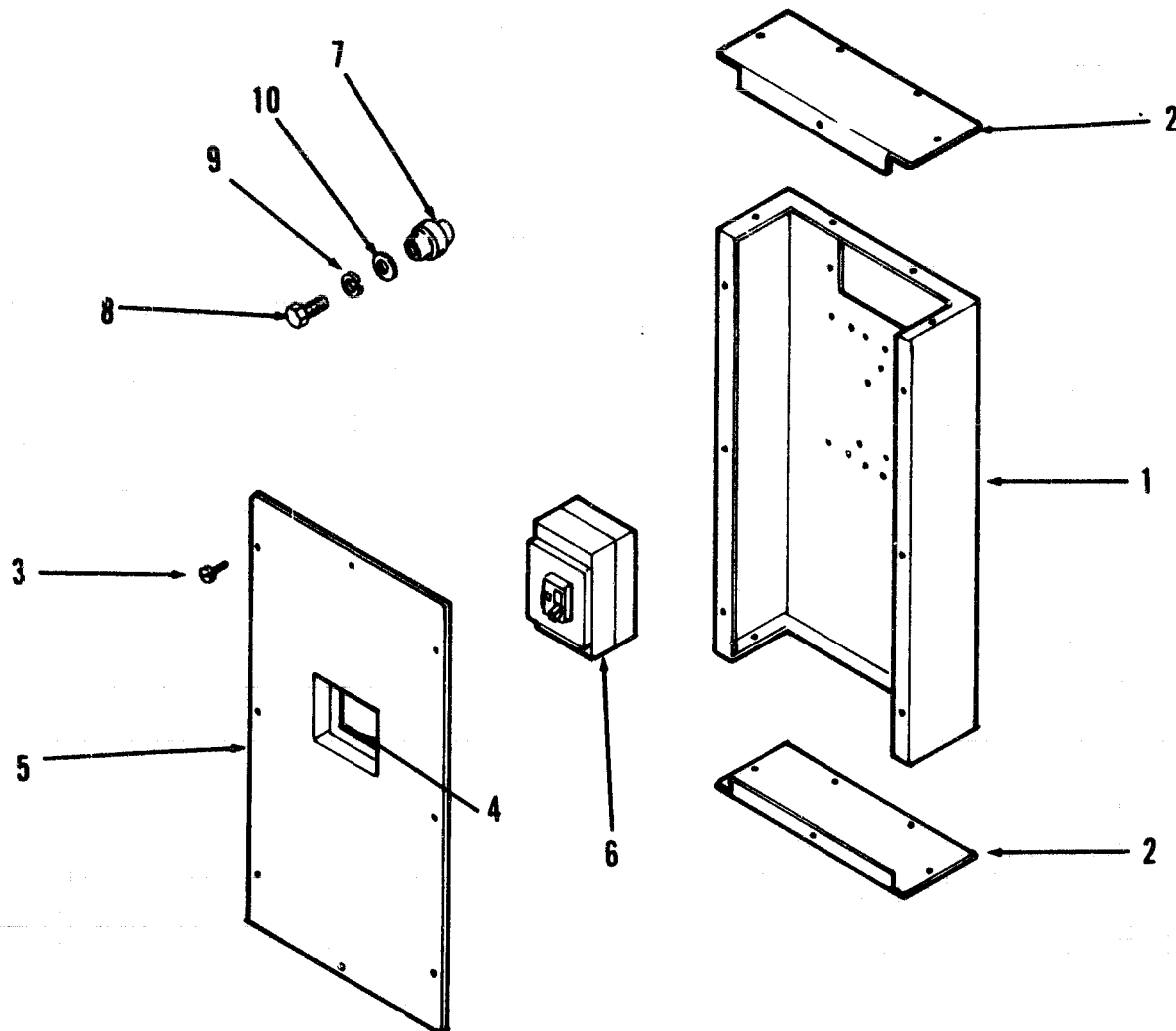
Circuit Breaker



Circuit Breaker

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	821-0010	16	Screw, Cap - Self-Locking (1/4-20 x 1/2")	10	301-9669	2	Panel, Box
2			Cover	11	301-9668	1	Box, Breaker
	319-0285	1	1.25" x 3" Opening - 2.12 Deep	12			Breaker, Circuit
	301-9892	1	2.87" x 3.62" Opening		320-1555-04	1	240 Volt, 2 Pole
	301-9682	1	1.25" x 3" Opening - .62 Deep		320-1555-05	1	200 Ampere
					320-1555-05	1	225 Ampere
					320-1555-11	1	250 Ampere
					320-1555-12	1	300 Ampere
3	800-0028	5	Screw, Cap - Hex Head (5/16-18 x 1")		320-1555-13	1	350 Ampere
4	526-0022	5	Washer, Flat (5/16")				240 Volt, 3 Pole
5	850-0045	5	Washer, Lock - Spring (5/16")		320-1555-06	1	125 Ampere
6	862-0015	5	Nut, Hex (5/16-18)		320-1555-07	1	150 Ampere
7			Screw, Machine - Round Head		320-1555-08	1	175 Ampere
	812-0165	4	1/4-20 x 4-1/2" - 240 Volt, 2 Pole below 250 Amp		320-1555-09	1	200 Ampere
	812-0157	4	1/4-20 x 1-3/4" - 240 Volt, 2 Pole, 250 Amp and Above		320-1458-24	1	480 Volt, 3 Pole
	812-0157	4	1/4-20 x 1-3/4" - 240 Volt, 3 Pole		320-1458-25	1	60 Ampere
	812-0094	4	#8-32 x 3-5/8" - 480 and 600 Volt, 3 Pole		320-1458-26	1	70 Ampere
	813-0118	4	480/600 Volt, 3 Pole		320-1458-26	1	80 Ampere
8			Washer, Lock - Spring		320-1458-27	1	90 Ampere
	850-0040	4	1/4" - 240 Volt Breakers		320-1458-40		600 Volt, 3 Pole
	850-0025	4	#8 - 480 and 600 Volt Breakers		320-1458-41	1	50 Ampere
9			Washer, Flat		320-1458-42	1	60 Ampere
	526-0008	4	13/64"		320-1458-43	1	70 Ampere
	526-0108	4	1/4" - 240 Volt Breakers		320-1458-44	1	80 Ampere
	526-0048	4	#8 - 480 and 600 Volt Breakers		320-1458-45	1	90 Ampere
					320-1458-48	1	100 Ampere
							150 Ampere

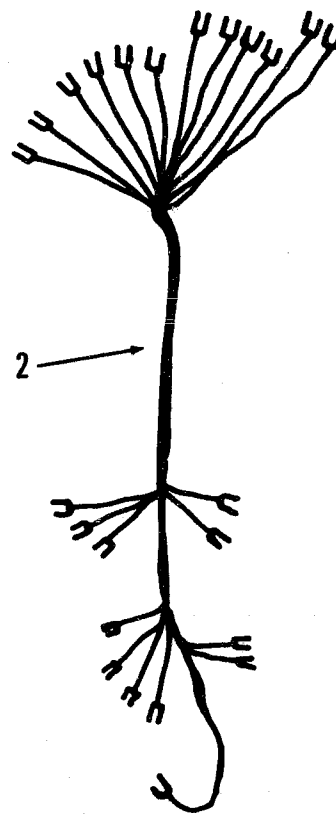
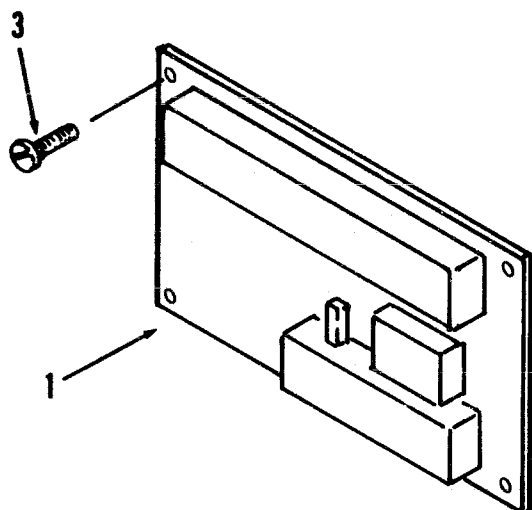
Circuit Breaker Box



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-1332	1	Box, Circuit Breaker
2	319-1333	2	Panel, Circuit Breaker Box
3	821-0010	13	Screw (1/4-20 x 1/2")
5			Cover, Box
6	319-1335	1	160, 200, 250 Amp
			Circuit Breaker
	320-1725-51	1	660 Volt, 3 Pole, 25 Amp
	320-1725-54	1	660 Volt, 3 Pole, 100 Amp
	320-1725-05	1	660 Volt, 3 Pole, 125 Amp
	320-1725-06	1	660 Volt, 3 Pole, 160 Amp
	320-1726-06	1	660 Volt, 3 Pole, 200 Amp
	320-1726-07	1	750 Volt, 3 Pole, 250 Amp
	320-1724-04	1	660 Volt, 4 Pole, 80 Amp
	320-1725-60	1	660 Volt, 4 Pole, 100 Amp
	320-1725-61	1	660 volt, 4 Pole, 125 Amp
	320-1725-12	1	660 Volt, 4 Pole, 160 Amp
	320-1726-14	1	750 Volt, 4 Pole, 250 Amp

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
7	332-2744-07	1	Standoff, Insulator
8	800-0050	2	Screw (3/8-16 x 1")
9	850-0050	2	Washer, Lock (3/8")
10	526-0029	2	Washer, Flat (3/8")

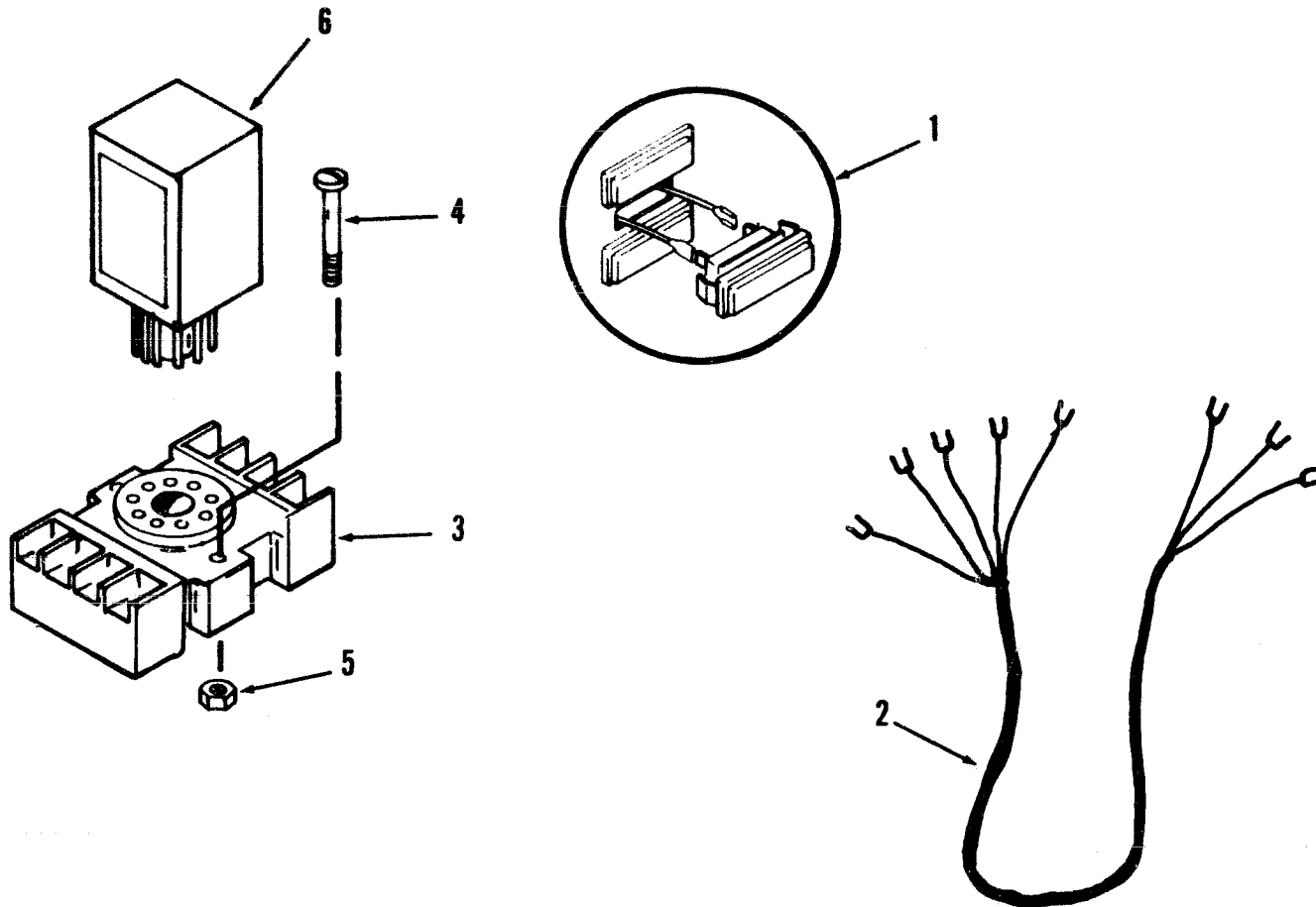
**Common Alarm
(Canadian Standard Association)**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-4218-02	1	PCB Assy, Diode
2	338-3033	1	Harness, Wiring

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
3	812-0063	4	Screw, Machine - Round Head (#6-32 x 1/2")

**Low Battery Voltage
(Canadian Standards Association)**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	322-0431-08	1	Lens, Replacement - "Lo Battery"
2	338-3034	1	Harness, Wiring
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/External Tooth (#8-32)
6	305-0901	1	Sensor

Paint

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Onan Green Enamel (Non-Metalic)				Cummins Beige Enamel
525-0305		-	13 oz. Pressurized Spray	525-0551-02	-	-	13 oz. Pressurized Sprav
			Can	525-0551-03	-	-	Quart Can
525-0306		-	Quart Can	525-0551-04	-	-	Gallon Can
525-0304		-	Gallon Can				

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800-2090	39	815-0172	8	821-0029	17	850-2008	17
800-2091	37	815-0350	23	821-0029	31	850-2008	35
800-2091	43	815-0350	47	821-2020	35	850-2008	35
800-2092	39	815-0350	49	821-2020	35	850-2008	39
800-2093	43	815-0385	23	821-2020	35	850-2008	41
800-2110	5	815-0385	53	821-2020	37	850-2008	41
800-2110	8	815-0388	58	821-2020	37	850-2008	43
800-2110	9	815-0446	45	821-2020	37	850-2008	47
800-2110	11	815-0540	51	821-2020	39	850-2010	5
800-2110	11	815-0544	51	821-2020	41	850-2010	7
800-2110	12	815-0544	51	821-2020	43	850-2010	10
800-2110	13	815-0544	56	821-2020	43	850-2010	11
800-2110	14	815-0544	57	821-2020	44	850-2010	14
800-2110	18	815-0607	31	821-2021	35	850-2010	35
800-2111	5	815-0761-01	44	821-2021	37	850-2010	35
800-2111	8	815-0793-03	39	821-2021	39	850-2010	35
800-2111	33	815-0793-03	43	821-2021	43	850-2010	35
800-2112	37	818-0150	31	822-3047	45	850-2010	37
800-2112	37	819-1083	31	822-3075	45	850-2010	37
800-2112	43	821-0002	17	850-0025	47	850-2010	37
800-2112	47	821-0004	51	850-0025	49	850-2010	37
800-2112	49	821-0005	8	850-0025	63	850-2010	39
800-2113	43	821-0005	9	850-0030	5	850-2010	39
800-2121	33	821-0010	5	850-0040	63	850-2010	39
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800-2528	37	821-0010	25	850-0045	59	850-2010	39
800-4073	35	821-0010	27	850-0045	63	850-2010	43
800-4073	37	821-0010	29	850-0050	64	850-2010	43
805-0015	35	821-0010	63	850-0055	33	850-2010	43
805-0015	37	821-0010	64	850-0060	33	850-2010	43
805-0015	39	821-0014	19	850-0060	33	850-2010	44
805-0015	43	821-0014	20	850-0079	19	850-2010	47
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SPECIAL PARTS LIST FOR MODEL 400GCA SPEC 66745J
 FOR STANDARD PARTS REFER TO CATALOG 960-0231 KEY
 WIRING DIAGRAM NUMBER 612-6490-04 (AC) 612-6488-02 (DC)

This special parts list applies to generator set models 400GCA 66745J and 500GCA 67366J. For replacement parts refer to this parts list first. For parts not on this list refer to the standard DGCA parts catalog, 960-0231. Left and right sides are determined by facing the engine end (front) of the set.

Part No.	Qty Used	Part Description
155-2895	1	Tubing, Exhaust - Flexible
155-2175	2	Clamp - Exhaust Tubing
130-4345	1	Guard, Belt - Right Side
130-4332	1	Wrapper, Shroud - Fan
130-4341	1	Guard, Radiator - Left Side
526-2100	4	Washer, Flat (M8) Fan Mounting
130-3166	1	Fan, Radiator
130-4333	1	Guard, Radiator - Right Side
821-0028	18	Screw, Cap - Hex Head (3/8-16 x 1/2") Radiator and Shroud Mounting
403-3678	1	Skid
800-0140	2	*Screw, Cap - Hex Head (5/16-18 x 3-1/2")
870-0491	3	**Nut, Hex - Self-Locking (5/8-11)
402-0637	3	**Isolator, Vibration
403-3042-02	3	**Washer, Retaining (2-3/4" OD x 3/16" Thk)
403-3005	3	**Spacer (3" OD x 1/2" Thk)
800-0142	1	#Screw, Cap - Hex Head (5/8-11 x 4")
403-2567-01	1	#Support, Engine
800-2121	4	#Screw, Cap - Hex Head (M12 x 75mm) Engine Support Mounting
850-2012	4	#Washer, Lock - Spring (M12) Engine Support Mounting
232-3550	2	Foot, Generator Mounting (Mounting hardware for generator mounting feet are indented below.)
800-2087	8	Screw, Cap - Hex Head (M10 x 30mm)
850-2010	8	Washer, Lock - Spring (M10)
526-2120	8	Washer, Flat (M10)

* - Vibration isolators and mounting hardware used on generator end.
 # - Vibration isolators and mounting hardware used on engine end.

SPECIAL PARTS LIST FOR MODEL 500GCA SPEC 67366J
 FOR STANDARD PARTS REFER TO CATALOG 960-0231 KEY
 WIRING DIAGRAM NUMBER 612-6490-04 (AC) 612-6488-02 (DC)

This special parts list applies to generator set models 400GCA 66745J and 500GCA 67366J. For replacement parts refer to this parts list first. For parts not on this list refer to the standard DGCA parts catalog, 960-0231. Left and right sides are determined by facing the engine end (front) of the set.

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 # - Vibration isolators and mounting hardware used on engine end.