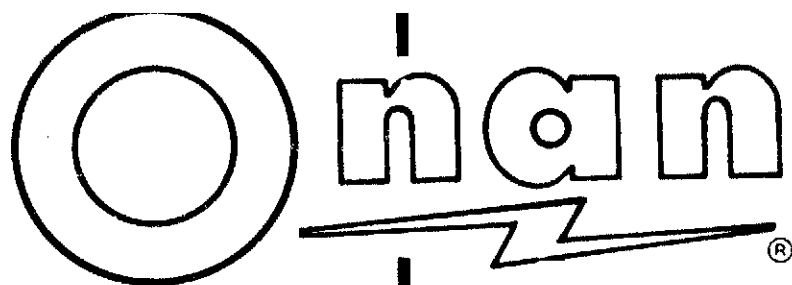


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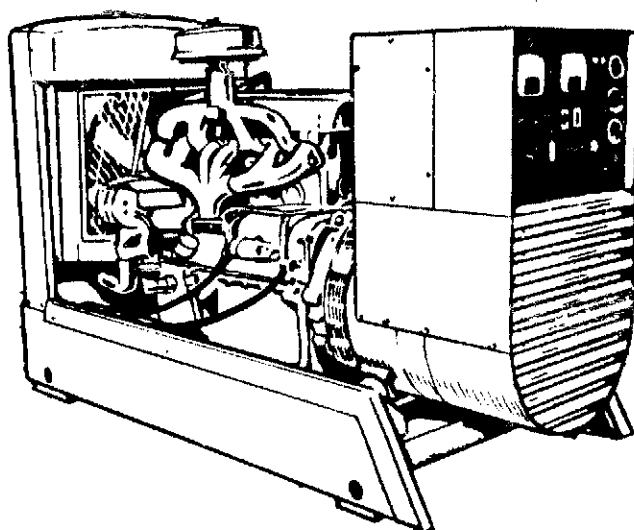
PARTS CATALOG

FOR
ELECTRIC GENERATING SETS

DEG

SERIES

BEGIN SPEC. C



ISSUE DATE

9-78

(Specs C - K)

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PARTS CATALOG

INSTRUCTIONS FOR ORDERING REPAIR PARTS

ONAN PARTS

All parts in this list are Onan parts. For Onan parts or service, contact the dealer from whom you purchased this equipment or your nearest authorized service station. To avoid errors or delay in filling your order, please refer to the Onan nameplate and give the complete MODEL, SERIAL and SPECIFICATION NUMBER.

Onan	
ELECTRIC GEN SET	
MODEL	
SERIAL NO.	
IMPORTANT - ALWAYS GIVE ABOVE NOS. WHEN ORDERING PARTS	
CONTINUOUS RATING	
HERTZ-60 RPM - 1800	
3 PHASE 1 PHASE	
KW	KVA
KW	KVA
VOLTS 120/208 127/220 139/216 120/240 240/416	
AMPS	
VOLTS 254/440 277/480 347/600 120/240	
AMPS	
BAT. VOLTS	
MANUFACTURED BY	
ONAN	
DIV. OF ONAN CORPORATION	
MINNEAPOLIS, MINN. 55432, U.S.A.	
FOR ELECT. EQUIPMENT ONLY	
99A1C34	

FORD PARTS

All Ford parts must be ordered from the Ford Motor Company of Dearborn Michigan, or your nearest authorized distributor. When ordering parts, refer to the Ford nameplate and give the complete SERIAL, TYPE and OPTIONS NUMBER.

Ford	
REG. U.S. PAT. OFF.	
INDUSTRIAL ENGINE	
SERIAL	
TYPE	OPTIONS

This catalog applies to the standard DEG Generating Sets as listed below, powered by a Ford 2704E engine (see Ford Manual). Engine parts modified or added by Onan will be in this list and have Onan part numbers. These supersede similar parts listed in the Ford manual. Onan parts are arranged in groups of related items and are identified by a reference. All parts illustrations are typical. Unless otherwise mentioned, parts are interchangeable. *Right and left sides are determined by facing the front end of the engine.*

GENERATING SET DATA TABLE

MODEL AND SPEC NO.	ELECTRICAL DATA				
	WATTS	HERTZ	PHASE	WIRE	KEY
40.0DEG-515R/*	40,000	50	£	12	1
45.0DEG-15R50/*	45,000	60	£	12	2
50.0DEG-3R/*	50,000	60	1	3	3
50.0DEG-6DR/*	50,000	60	3	4	4
50.0DEG-7R/*	50,000	60	3	4	5
50.0DEG-9XR/*	50,000	60	3	3	6
50.0DEG-15R/*	50,000	60	£	12	7

* - Specification Letter Advances (A to B, B to C, etc.) with Manufacturing changes.

£ - These Sets are reconnectable; refer to Wiring Diagram inside Control Box Cover.

REPLACEMENT ENGINE

100-0998

1

Engine, Replacement (Ford Motor Company Model 2714E)

General Description:

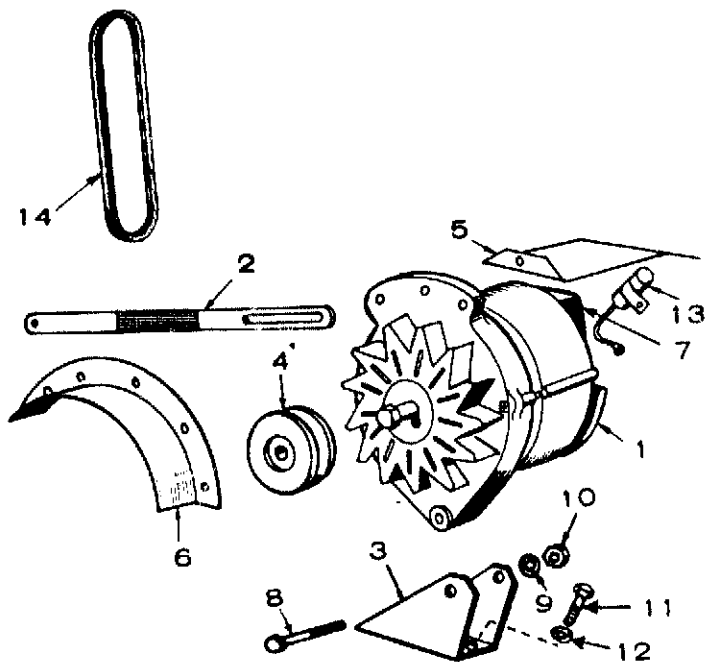
Includes—Complete Cylinder Block, Fuel Pump, Fuel Filter, Oil Filter, Starter Motor, Governor, Flywheel, Water Pump, Oil Pan, Exhaust Manifold.

Excludes—Alternator, Alternator Mounting Brackets, Alternator Belt, Temperature Sender, Oil Pressure Sender, Air Cleaner, Radiator, Fan Blades, Fan Belt and Front Mounting Brackets.

NOTICE!

ITEMS REFERENCED AS **OPTIONAL** INDICATE PART IS FACTORY INSTALLED AND MAY NOT BE APPLICABLE TO ALL MODELS. FOR FIELD CONVERSIONS ADDITIONAL PARTS ARE USUALLY REQUIRED.

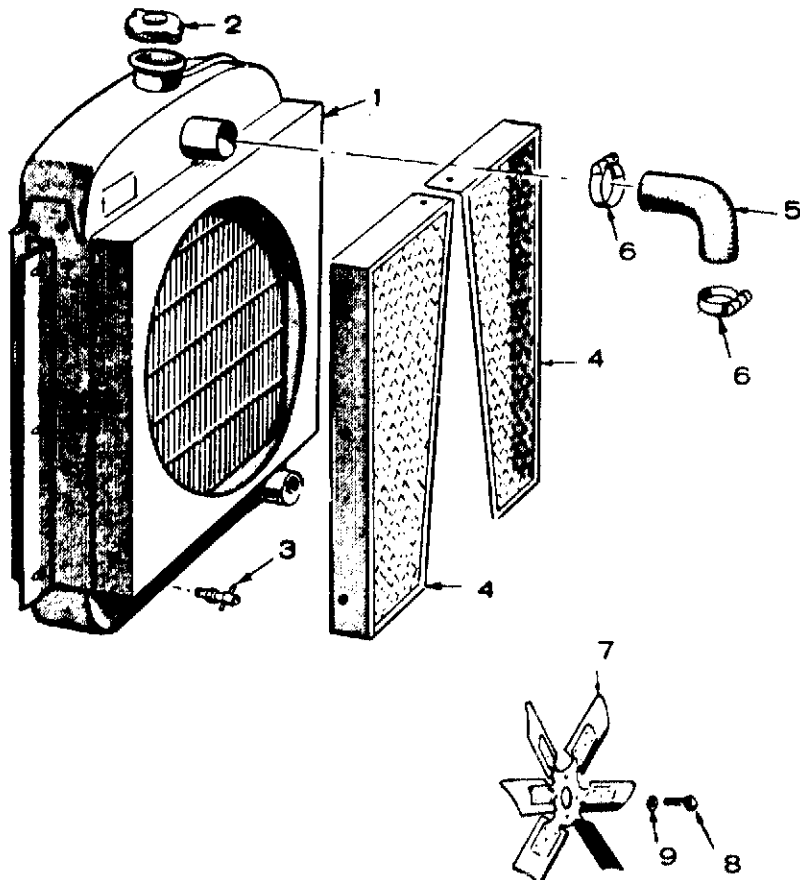
ALTERNATOR



REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	191-0665	1	*Alternator, Charge - Includes Regulator & Fan (Motorola #70D44039B)
2	191-0101	1	Bracket, Alternator Adjusting
3	191-0786	1	Bracket, Alternator Mounting
4	191-0781	1	Pulley, Charge Alternator
5	191-0619	1	Shield, Heat - Alternator
6	191-0725	1	Guard, Alternator Belt
7	191-0732	1	Regulator, Alternator
8	800-0095	1	Screw, Cap - Hex Head (1/2-13 x 2-1/4") - Alternator Mounting
9	850-0060	1	Washer, Lock - Spring (1/2") - Alternator Mounting
10	862-0016	1	Nut, Hex (1/2-13) - Alternator Mounting
11	800-0048	2	Screw, Cap - Hex Head - (3/8-16 x 3/4") - Bracket to Engine
12	850-0050	2	Washer, Lock - Spring (3/8") - Bracket to Engine
13	312-0201	1	Condenser (.5 Mfd)
14	511-0084	1	Belt, Charging Alternator

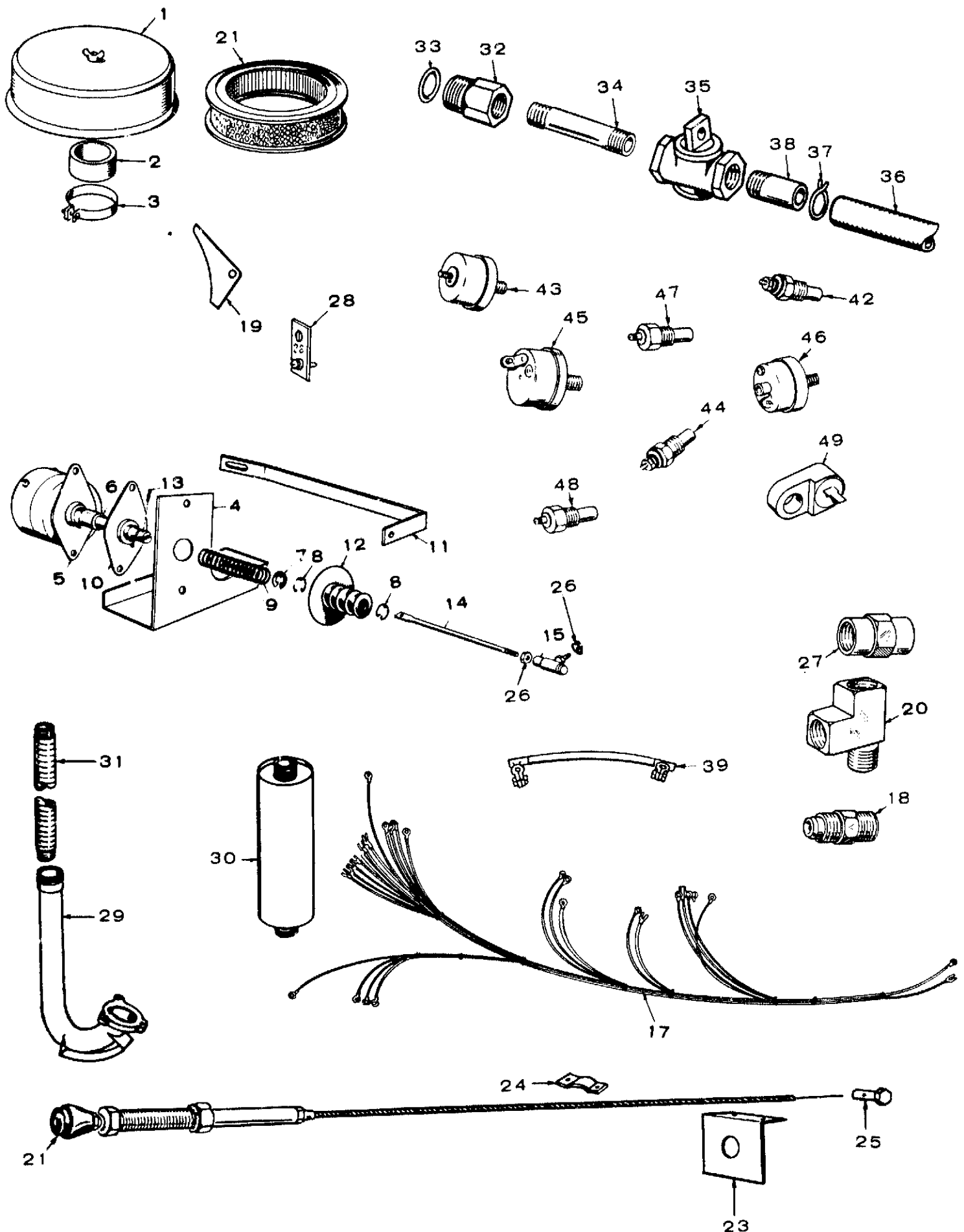
- For Components, contact your nearest Motorola Dealer or Motorola Automotive Products, Inc., 9401 W. Grand Avenue, Franklin Park, Illinois 60131.

COOLING SYSTEM



REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	130-0713	1	Radiator
2	130-0449	1	Cap, Radiator
3	504-0028	1	Valve, Radiator Drain
4	GUARD, FAN		
	130-0351	1	Left Hand
	130-0352	1	Right Hand
5	503-0441	2	Hose, Radiator
6	CLAMP, RADIATOR HOSE		
	503-0311	3	2-1/8" x 1/2"
	503-0365	1	2-1/2" x 1/2"
7	130-0605	1	Blade, Fan
8	801-0024	4	Screw
9	850-0045	4	Washer, Lock - Spring (5/16") - Fan Blade Mounting

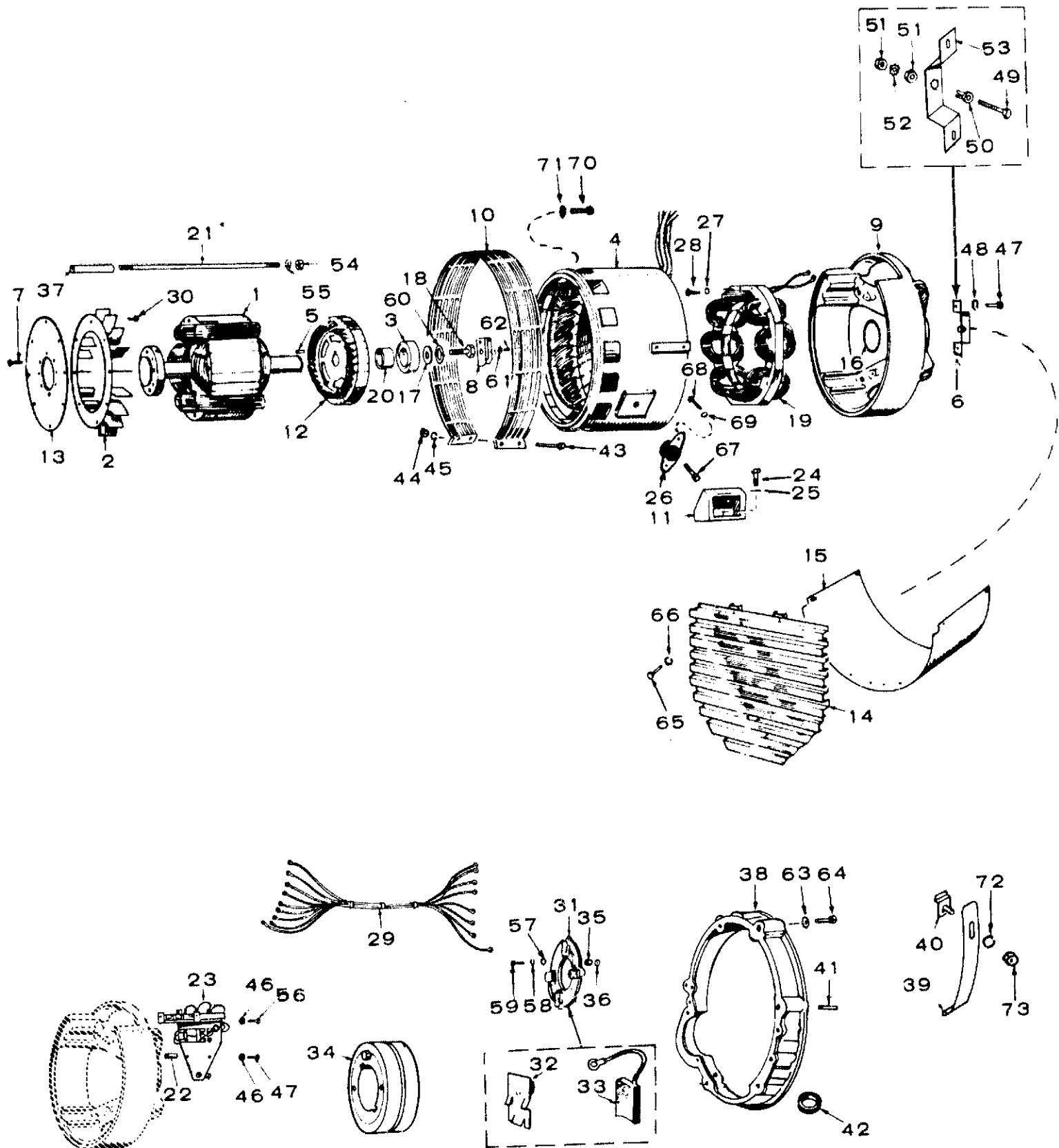
MISCELLANEOUS ENGINE PARTS



MISCELLANEOUS ENGINE PARTS

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	140-1091	1	Cleaner, Air	33	102-0532	1	Gasket, Oil Drain
2	503-0597	1	Hose, Air Cleaner	34	505-0135	1	Nipple, Half - Oil Drain
3	503-0354	2	Clamp, Air Cleaner Hose	35	504-0030	1	Valve, Oil Drain
4	306-0214	1	Bracket, Solenoid Mounting	36		1	Hose, Oil Drain (Order 14" of Bulk Hose #503-0227)
5	307-0628	1	Solenoid, Stop (12 Volt)	37	503-0131	1	Clamp, Hose - Oil Drain
6	306-0222	1	Plunger, Stop Solenoid	38	505-0224	1	Nipple, Pipe - Oil Drain
7	518-0203	1	Ring, Retaining	39	CABLE, BATTERY		
8	518-0218	2	Ring, Retaining		416-0446	1	9" Long
9	306-0161	1	Spring, Plunger		416-0530	1	16" Long
10	306-0162	1	Spacer, Solenoid Mounting		416-0531	1	24" Long
11	306-0226	1	Brace, Solenoid Bracket	40	130-1015	1	Outlet, Water (Begin Spec H)
12	306-0193	1	Cover, Solenoid Plunger	41	130-1016	1	Gasket, Water Outlet (Begin Spec H)
13	516-0103	1	Pin, Roll - Spring Retaining (1/8 x 1/2")	42	SENDER, WATER TEMPERATURE		
14	306-0218	1	Rod, Stop Solenoid to Joint		193-0246	1	Begin Spec J
15	150-0638	1	Joint, Rod to Injection Pump		193-0104	1	Specs C through H
16	312-0058	1	Condenser	43	SENDER, OIL PRESSURE		
17	338-0538	1	Harness, Engine Control		193-0244	1	Begin Spec J
18	502-0051	1	Coupling, Pipe (1/8")		193-0108	1	Specs C through H
19	191-0802	1	Cover, Starter Motor Hole	44	193-0202	1	Sender, Oil Temperature (Optional)
20	502-0361	1	Tee, Fuel Return (1/8")	45	309-0169	1	Switch, Low Oil Pressure Cutoff - NOTE: Used for Pre Alarm along with 309-0064 Low Oil Pressure Cutoff Switch - Optional
21	140-1089	1	Element, Air Cleaner	46	309-0064	1	Switch, Low Oil Pressure Cutoff - Used only with Pre Alarm - Optional
22	152-0157	1	Control, Vernier Throttle - Optional	47	309-0178	1	Switch, High Engine Temperature Cutoff - NOTE: Used for Pre Alarm along with 309-0179 High Engine Temperature Cutoff Switch - Optional
23	151-0230	1	Bracket, Vernier Throttle Control - Optional	48	309-0179	1	Switch, High Engine Temperature Cutoff - Used only with Pre Alarm - Optional
24	152-0036	1	Clamp, Vernier Throttle Control - Optional	49	309-0269	1	Switch, Low Engine Temperature Cutoff - Optional
25	152-0158	1	Swivel, Vernier Throttle Control - Optional	50	LINE, FUEL - BEGIN SPEC J		
26	115-0025	2	Nut, Hex (1/4-28) - Ball Joint		501-0225	1	Outlet
27	502-0193	1	Connector, Fuel Pump Outlet		501-0227	1	Inlet
28	332-1292	1	Bracket, Terminal				
29	155-1116	1	Elbow, Exhaust Outlet				
30	155-0917	1	Muffler, Exhaust				
31	155-0633	1	Tube, Flexible Exhaust				
32	102-0619	1	Adapter, Oil Drain				

GENERATOR

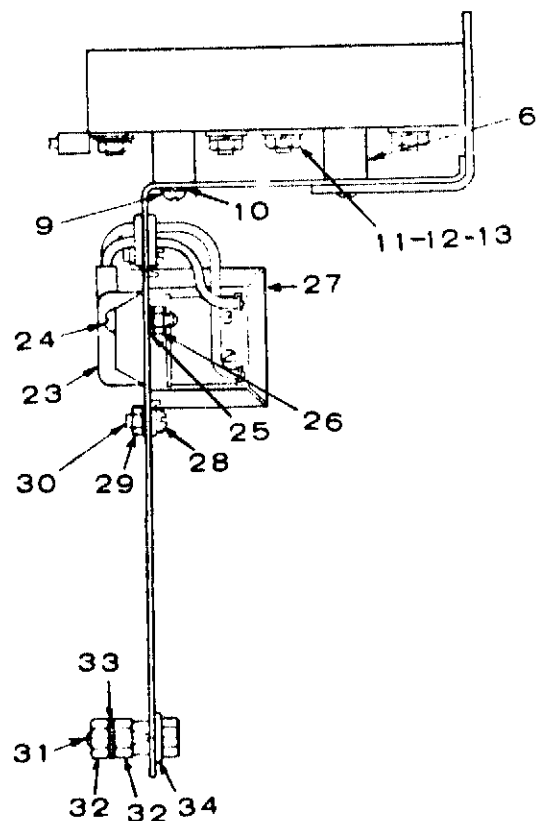
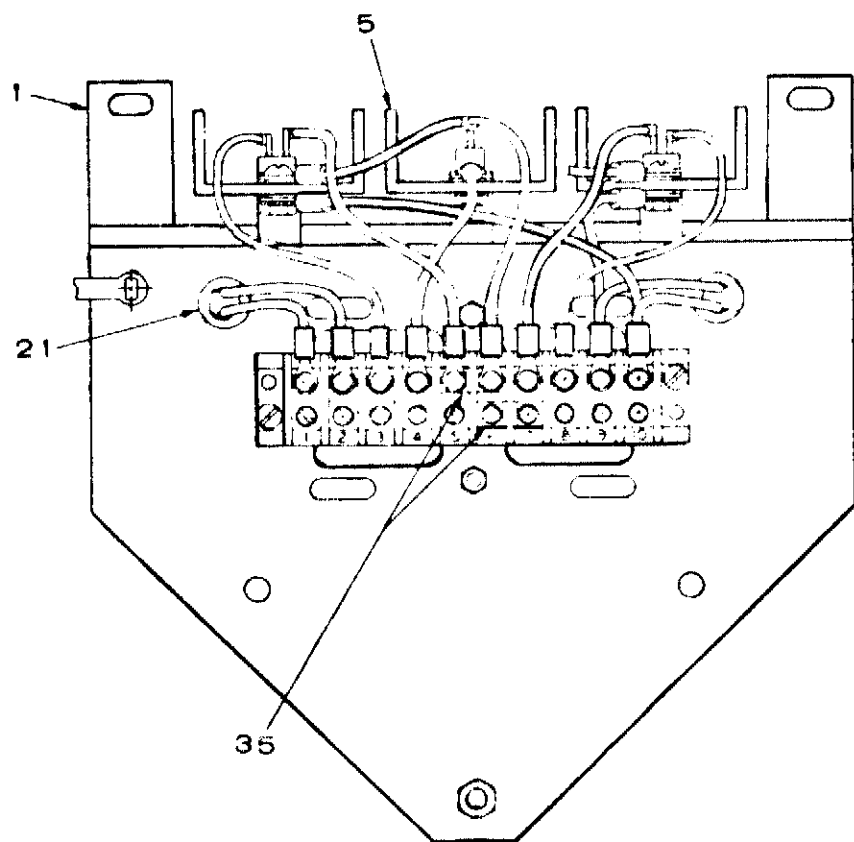
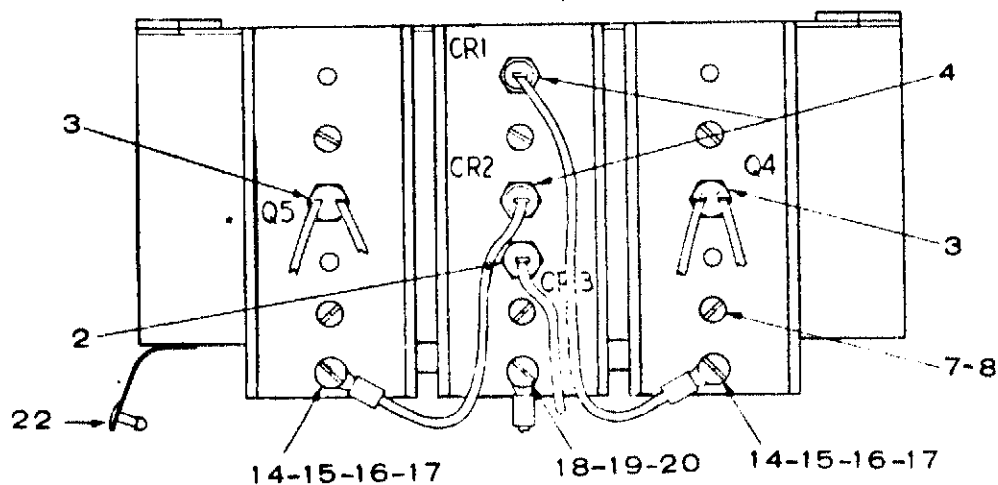


GENERATOR

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	ROTOR ASSEMBLY, WOUND			34	204-0083	1	Ring, Collector - Early Brush Type Generator
	201-2669	1	Begin Spec K	35	212-1225	4	Spacer, Brush Rig Mounting - Early Brush Type Generators
	201-2671	1	Keys 1,2,4,5,6 and 7	36	526-0018	4	Washer, Brush Rig Mounting - Early Brush Type Generators
	201-1719	1	Key 3	37	503-0611	4	Hose, Insulator
			Spec C through J (Includes Collector Ring on Early Brush Type Generators)	38	231-0149	1	Adapter, Generator
2	205-0089	1	Blower	39	232-2210	2	Cover, Adapter Slot - Unhoused Models
3	510-0101	1	Bearing	40	232-2211	2	Catch, Adapter Slot Cover - Unhoused Models
4	STATOR ASSEMBLY, WOUND			41	516-0152	2	Pin, Generator Adapter Alignment
	220-1997	1	Key 1	42	508-0001	1	Grommet, Rubber - Generator Adapter
	220-1454	1	Keys 2 and 7	43	800-0008	2	Screw, Cap - Hex Head (1/4-20 x 1-1/4")
	220-1554	1	Key 3	44	862-0001	2	Nut, Hex (1/4-20)
	220-2624	1	Key 4	45	850-0040	2	Washer, Lock - Spring (1/4")
	220-2462	1	Key 5	46	853-0013	4	Washer, Lock - ET (1/4") - Spec C through G
	220-1602	1	Key 6	47	800-0003	2	Screw, Cap - Hex Head (1/4-20 x 1/2")
5	515-0145	1	Key, Exciter Rotor (Brushless Generator)	48	850-0040	2	Washer, Lock - Spring (1/4")
6	150-1456	1	Bracket and Contact Assembly - Begin Spec H (Includes Parts Marked *)	49	150-0723	1	*Point, Overspeed Switch - Begin Spec H
7	805-0033	8	Bolt, Place (5/8-11 x 1" lg)	50	870-0250	1	*Nut, Insulation - Overspeed Switch - Begin Spec H
8	150-0717	1	Switch Assembly, Overspeed	51	862-0001	2	*Nut, Hex (1/4-20) - Begin Spec H
9	211-0185	1	Bell, End	52	853-0013	1	*Washer, Lock - External - (1/4") - Begin Spec H
10	234-0368	1	Screen, Generator	53	150-1356	1	*Bracket, Overspeed Switch - Begin Spec H
11	232-2106	2	Bracket, Generator Mounting - Specs C through J	54	862-0011	4	Nut, Hex - Machine (3/8-16)
12	201-1739	1	Rotor Assembly, Wound (See Separate Group for Components - Brushless Generators)	55	850-0050	4	Washer, Lock - Spring (3/8")
13	232-2078	1	Disc, Generator Drive	56	800-0009	2	Screw, Cap - Hex Head (1/4-20 x 1-1/2") - Spec C through G
14	234-0370	1	Grille, Generator Air Inlet (Unhoused Sets)	57	526-0018	4	Washer, Flat (17/64" ID x 5/8" OD x 1/16" Thk) - Brush Type Generators
15	234-0361	1	Wrapper, Generator End Bell	58	850-0040	4	Washer, Lock - Spring (1/4") - Brush Type Generator
16	509-0125	1	Seal, "O" Ring	59	114-0023	4	Screw, Cap - Hex Head (1/4-20 x 1-1/4") - Brush Type Generator
17	526-0238	1	Washer, Flat (Bearing Retainer) - (13/16" ID x 2" OD x 3/16" Thk)	60	850-0079	1	Washer, Lock - Spring (3/4")
18	800-0513	1	Screw, Cap - Hex Head (3/4-10 x 1-1/2" lg)	61	856-0010	1	Washer, Lock EIT (3/8")
19	STATOR ASSEMBLY, WOUND (Exciter) - BRUSHLESS			62	812-0189	1	Screw, Machine - Round Head (3/8-16 x 3/4")
	220-2353	1	Keys 1,3,4,5,6 and 7	63	850-0055	9	Washer, Lock - Spring (7/16")
	220-1528	1	Key 2	64	800-0072	9	Screw, Cap - Hex Head (7/16-14 x 1-1/4")
20	232-2102	1	Spacer, Bearing - Brushless Generator	65	812-0146	4	Screw, Machine - Round Head (1/4-20 x 3/8")
21	STUD, GENERATOR THROUGH			66	850-0040	4	Washer, Lock - Spring (1/4")
	520-0723	4	3 Phase Generator (Key 1,2,4, 5,6 and 7)	67	800-0520	2	Screw, Cap - Hex Head (3/4-10 x 1")
	520-0721	4	1 Phase Generator (Key 3)	68	800-0071	4	Screw, Cap - Hex Head (7/16-14 x 1")
22	305-0481	1	Spacer, Voltage Regulator Chassis Mounting - Specs C through G	69	850-0055	4	Washer, Lock - Spring (7/16")
23	CHASSIS ASSEMBLY, VOLTAGE REGULATOR - SPECS C THROUGH G (See Separate Group for Components)			70	800-0051	8	Screw, Cap - Hex Head (3/8-16 x 1-1/4")
	305-0489	1	Brush Type Generators	71	850-0050	8	Washer, Lock - Spring (3/8")
	305-0491	1	Brushless Generators	72	850-0040	2	Washer, Lock - Spring (1/4") - Unhoused Models
24	800-0091	4	Screw, Cap - Hex Head (1/2-13 x 1-1/4" lg) - Specs C through H	73	862-0001	2	Nut, Hex (1/4-20) - Unhoused Models
25	850-0060	4	Washer, Lock - Spring (1/2") - Specs C through H				
26	402-0030	2	Mount, Vibration				
27	850-0040	4	Washer, Lock - Spring (1/4")				
28	800-0009	4	Screw, Cap - Hex Head (1/4-20 x 1-1/2" lg)				
29	338-0521	1	Harness Assembly, Voltage Regulator - Specs C through H				
30	805-0018	8	Bolt, Place (3/8-16 x 1" lg)				
31	212-0342	1	Rig Assembly, Brush - Includes Brushes and Springs - Early Brush Type Generators				
32	212-1105	4	Spring, Brush - Early Brush Type Generator				
33	214-0046	4	Brush - Early Brush Type Generator				

* - Parts included in 150-1456 Bracket and Contact Assembly.

VOLTAGE REGULATOR - SPECS C THROUGH G



VOLTAGE REGULATOR - SPECS C THROUGH G

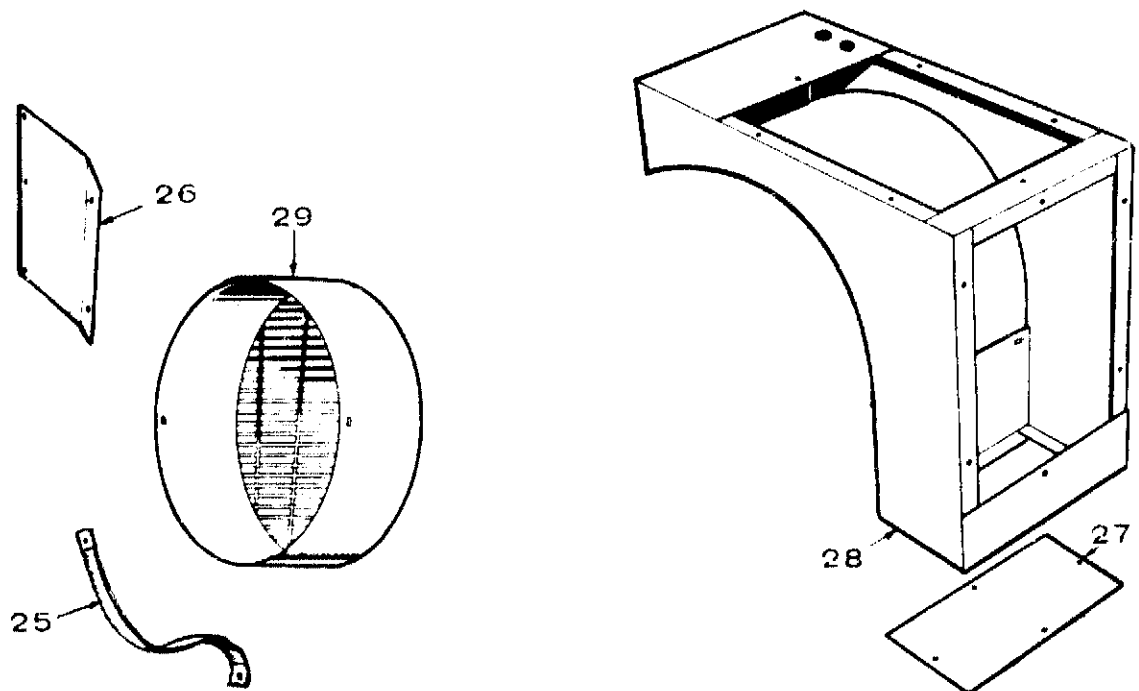
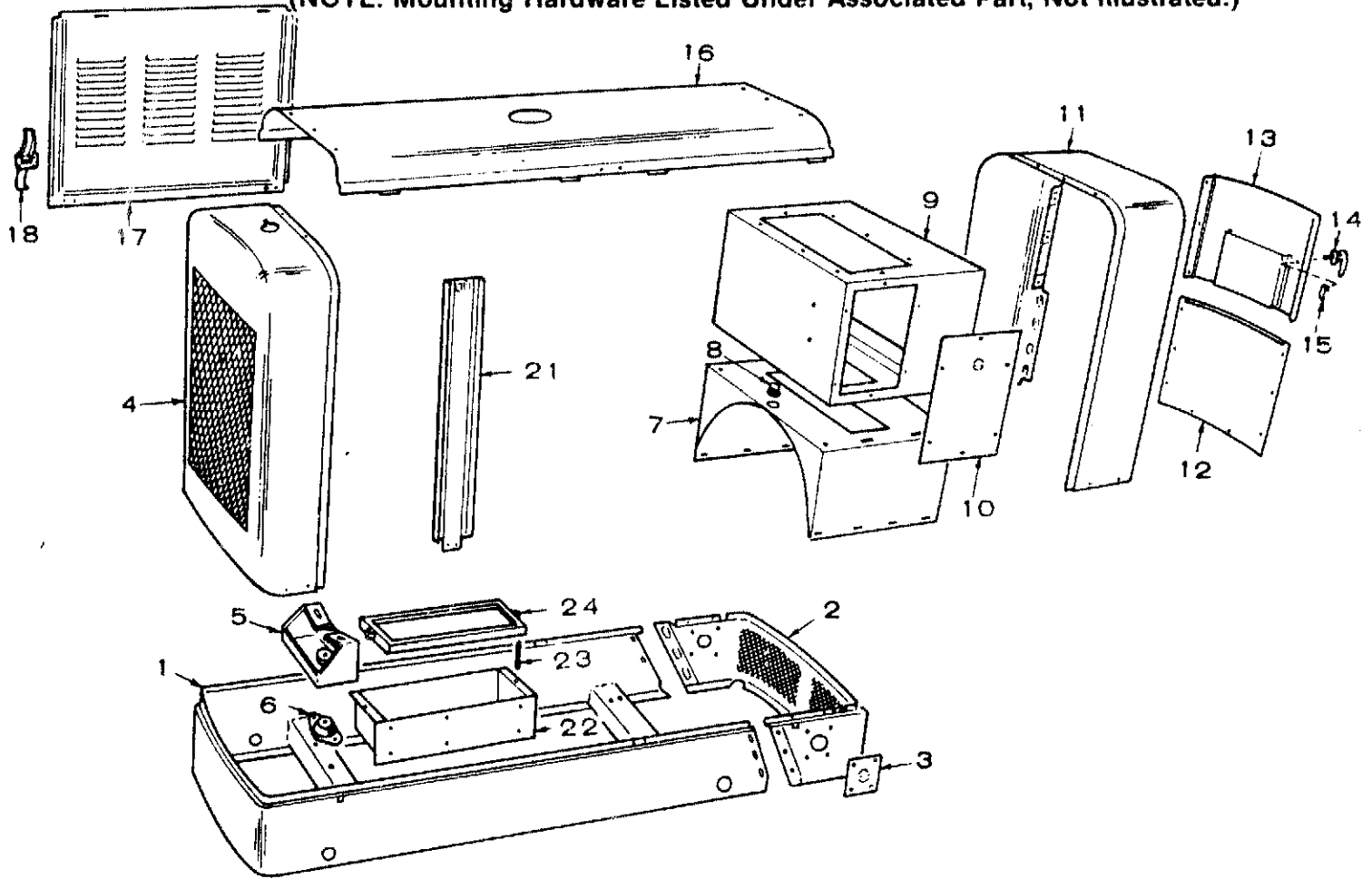
REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
	CHASSIS ASSEMBLY, VOLTAGE REGULATOR (Complete)			17	871-0007	2	*†Nut, Hex - Rectifier Lead to Heat Sink (#8-32)
	305-0491		Brushless Generator (Includes Parts Marked *)	18	812-0079	1	*†Screw, Machine Roundhead - Terminal Block Lead to Heatsink (#8-32 x 1/2")
	305-0489	1	Brush Type Generator (Includes Parts Marked †)	19	853-0005	1	*†Washer, Lock - ET - Terminal Block to Heat Sink (#8)
1	305-0482	1	*†Chassis, Voltage Regulator	20	871-0007	1	*†Nut, Hex - Terminal Block Lead to Heat Sink (#8-32)
2	358-0029	1	*†Rectifier, Silicon (CR3)	21	508-0002	2	*†Grommet, Rubber
3	RECTIFIER, SILICON CONTROLLED			22	332-1415	1	*†Clamp, Cable
	364-0014	2	*Brushless Generator (Q4 & Q5)	23	332-1266	1	*†Block, Terminal
	364-0012	2	*†Brush Type Generator (Q4 & Q5)	24	812-0081	2	*†Screw Machine - Roundhead - Terminal Block Mounting (#8-32 x 5/8")
4	RECTIFIER, SILICON			25	853-0005	2	*†Washer, Lock - ET - Terminal Block Mounting (#8)
	358-0035	2	*Brushless Generator (CR1 & CR2)	26	860-0008	2	*†Nut, Hex - Terminal Block Mounting (#8-32)
	358-0031	* 2	*†Brush Type Generator (CR1 & CR2)	27	REACTOR ASSEMBLY, COMMUTATOR		
5	363-0048	3	*†Heat Sink, Rectifier		315-0343	1	*Brushless Generator
6	332-1265	6	*†Insulator, Stand off		315-0341	1	*†Brush Type Generator
7	812-0077	6	*†Screw, Roundhead - Heat Sink Mtg. (#8-32 x 3/8")	28	812-0077	2	*†Screw, Machine - Roundhead - Reactor Mtg. (#8-32 x 3/8")
8	853-0005	6	*†Washer, Lock - ET - Heat Sink Mtg. (#8)	29	853-0005	2	*†Washer, Lock - ET - Reactor Mounting (#8)
9	812-0077	6	*†Screw, Machine Roundhead - Stand off Insulator Mtg. (#8-32 x 3/8")	30	860-0008	2	*†Nut, Hex - Reactor Mtg. (#8-32)
10	853-0005	6	*†Washer, Lock - ET Stand off Insulator Mtg. (#8)	31	150-0723	1	*†Point, Contact - Overspeed Switch
11	871-0010	3	*†Nut, Hex - Rectifier Mounting (CR1, CR2 & CR3) (#10-32)	32	862-0001	2	*†Nut, Hex - Contact Point (1/4-20)
12	526-0009	3	*†Washer, Flat (7/32" I.D. x 1/2" O.D. x 1/16" Thick) - Rectifier Mtg. (CR1, CR2 & CR3)	33	853-0013	1	*†Washer, Lock - ET Contact Point (1/4)
13	850-0030	3	*†Washer, Lock - Spring - Rectifier Mtg. (CR1, CR2 & CR3) (#10)	34	870-0250	2	*†Nut, Insulator - Contact Point (1/4)
14	812-0079	2	*†Screw, Machine - Roundhead - Rectifier Lead to Heat Sink (#8-32 x 1/2")	35	332-1043	2	*†Jumper - Terminal Block
15	526-0048	2	*†Washer, Flat (Brass) (.172" I.D. x 3/8" O.D. x 1/32" Thick)				
16	853-0005	2	*†Washer, Lock - ET - Rectifier Lead to Heat Sink (#8)				

* - Parts included in 305-0491 Voltage Regulator.

† - Parts included in 305-0489 Voltage Regulator.

MOUNTING AND HOUSING

(NOTE: Mounting Hardware Listed Under Associated Part, Not Illustrated.)



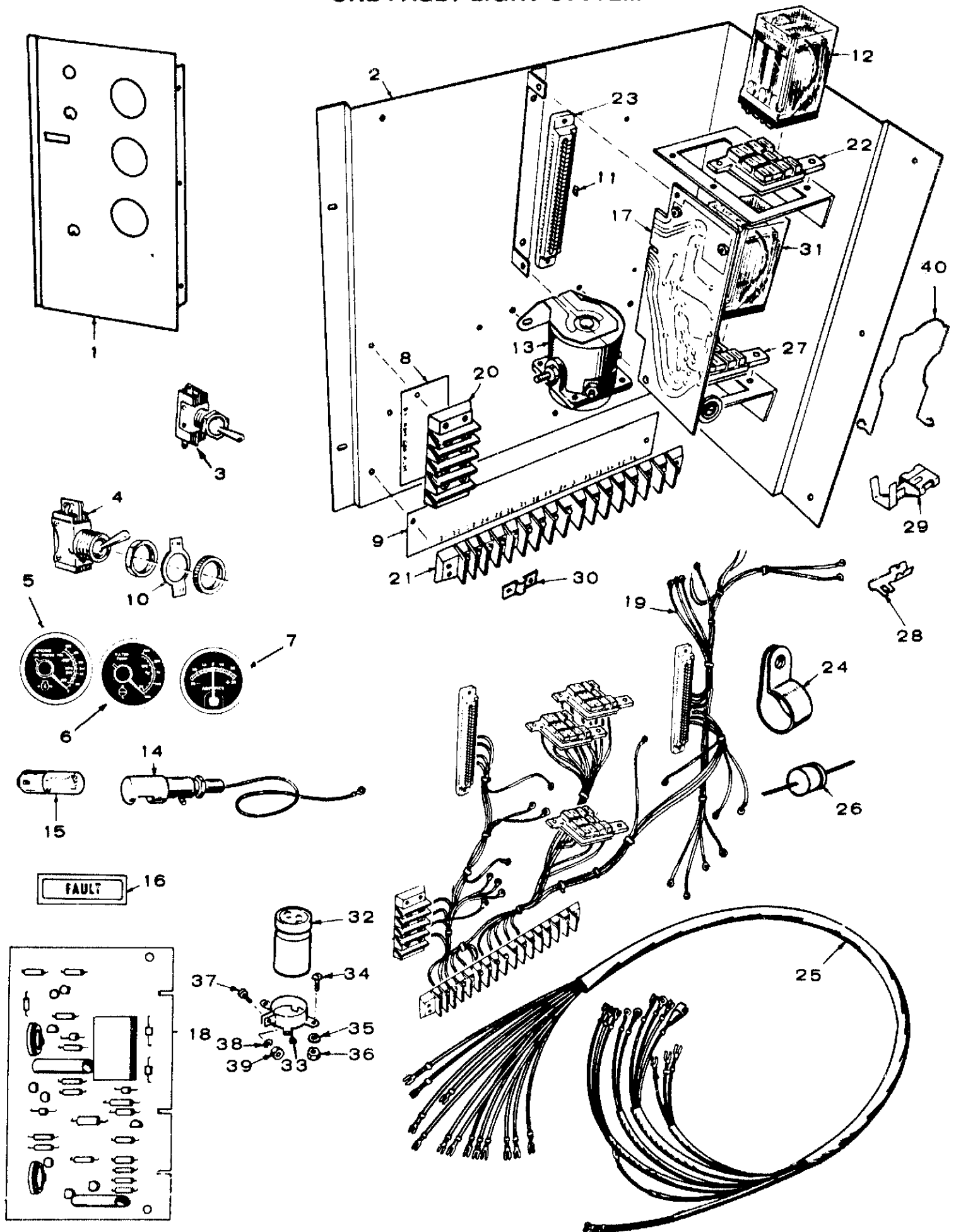
MOUNTING AND HOUSING

(NOTE: Mounting Hardware Listed Under Associated Part, Not Illustrated.)

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	403-0909	1	Chassis, Front	14	406-0157	1	Handle, Door (Includes Keys) - Housed Sets
2	403-0894	1	Chassis, Rear (Housed Sets)	15	406-0089	1	Catch, Door Handle - Housed Sets
	800-0046	6	Screw, Cap - Hex Head (3/8-16 x 3/4" lg)	16	405-1827	1	Panel, Top - Housed Sets
	850-0050	6	Washer, Lock - Spring (3/8")		821-0014	As Req.	Screw, Locking Head (5/16-18 x 1/2" lg)
3	403-0895	2	Cover, Conduit Opening (Housed Sets)		870-0113	As Req.	Nut, Retainer (5/16-18)
	821-0010	8	Screw, Locking Head (1/4-20 x 1/2" lg)	17	405-1808	4	Panel, Side Door - Housed Sets
4	405-1811	1	Panel, Front End Housing - Radiator Cooled Sets	18	406-0105	8	Clamp, Door - Housed Sets
	821-0014	As Req.	Screw, Locking Head (5/16-18 x 1/2" lg)		813-0098	16	Screw, Machine - Roundhead (#10-32 x 3/8" lg)
5	403-0910	1	Support, Engine Mounting (Front End)		850-0030	16	Washer, Lock - Spring (#10)
	800-0050	2	Screw, Cap - Hex Head (3/8-16 x 1" lg)		870-0053	16	Nut, Hex (10-32)
	850-0050	2	Washer, Lock Spring (3/8")	19	332-1473	1	Lug, Solderless
6	402-0371	1	Cushion, Vibration Isolating Mtg.		800-0028	1	Screw, Cap - Hex Head
	800-0090	2	Screw, Cap - Hex Head (1/2-13 x 1" lg)		856-0008	1	Washer, Lock
	850-0060	2	Washer, Lock Spring (1/2")		850-0045	1	Washer, Lock - Spring
	862-0016	2	Nut, Hex (1/2-13)		862-0015	1	Nut, Hex
7	301-3154	1	Saddle, Control Box Housing (Unhoused Sets)	21	405-1828	2	Support, Housing Center - Housed Sets
	821-0010	As Req.	Screw, Locking Head (1/4-20 x 1/2" lg)		821-0014	As Req.	Screw, Locking Head (5/16-18 x 1/2" lg)
	821-0014	As Req.	Screw, Locking Head (5/16-18 x 1/2" lg)	22	416-0666	1	Tray, Battery Mounting
8	508-0001	As Req.	Grommet, Rubber - Control Box Housing - (1 used on Unhoused Sets - 2 used on Housed Sets)		821-0029	6	Screw, Self Locking (3/8-16 x 3/4" lg)
9	301-3155	1	Housing, Control Box - Unhoused Sets		870-0281	6	Nut, Self Locking (3/8-16)
	800-0003	4	Screw, Cap - Hex Head (1/4-20 x 1/2" lg)	23	416-0480	1	Frame, Battery Holddown
	526-0013	8	Washer, Flat (25/64" ID x 1" OD x 1/16" THK)	24	520-0663	2	Stud, Battery Holddown
	850-0040	4	Washer, Lock - Spring (1/4")		526-0115	2	Washer, Flat (11/32" ID x 11/16" OD x 1/16" THK)
	862-0001	4	Nut, Hex (1/4-20)		850-0045	2	Washer, Lock - Spring (5/16")
10	PANEL, CONTROL BOX HOUSING			25	337-0090	1	Nut, Wing (5/16-18)
	301-3156	3	Unhoused Sets		800-0091	1	Strap, Ground
	301-3156	2	Housed Sets Without Circuit Breakers - Unhoused Sets with Circuit Breaker		850-0060	1	Screw, Cap - Hex Head (1/2-13 x 1-1/4" lg)
	301-3156	1	Housed Sets with Circuit Breaker		856-0013	1	Washer, Lock - Spring (1/2")
	815-0350	As Req.	Screw, Slotted Head - Self Tapping (#10-32 x 3/8" lg)		862-0016	1	Washer, Lock - External/Internal (1/2")
11	405-1812	1	Panel, Rear - Housed Sets	26	862-0016	1	Nut, Hex (1/2-13)
	821-0014	As Req.	Screw, Locking Head (5/16-18 x 1/2" lg)		301-3196	1	Bracket, Junction Box - Housed Sets
12	403-1780	1	Panel, Rear Housing Access - Housed Sets		821-0010	As Req.	Screw, Locking Head (1/4-20 x 1/2" lg)
	813-0098	As Req.	Screw, Machine - Roundhead (#10-32 x 3/8" lg)		821-0014	As Req.	Screw, Locking Head (5/16-18 x 1/2" lg)
	850-0030	As Req.	Washer, Lock - Spring (#10)	27	301-3195	1	Plate, Bottom - Junction Box - Housed Sets
13	405-1777	1	Panel, Rear Door - Housed Sets		821-0014	As Req.	Screw, Locking Head (5/16-18 x 1/2" lg)
	809-0059	3	Screw, Sheet Metal - Pan Head (#14 x 1/2" lg)	28	301-3191	1	Junction Box, Output - Housed Sets
	870-0106	3	Nut, Speed (#14)		821-0010	As Req.	Screw, Locking Head (1/4-20 x 1/2" lg)
				29	234-0369	1	Cover, End Bell - Housed Sets

NOTE: For Hardware Illustration, refer to Hardware Identification page (back cover).

CONTROL — ENGINE PORTION ONE FAULT LIGHT SYSTEM



CONTROL —ENGINE PORTION ONE FAULT LIGHT SYSTEM

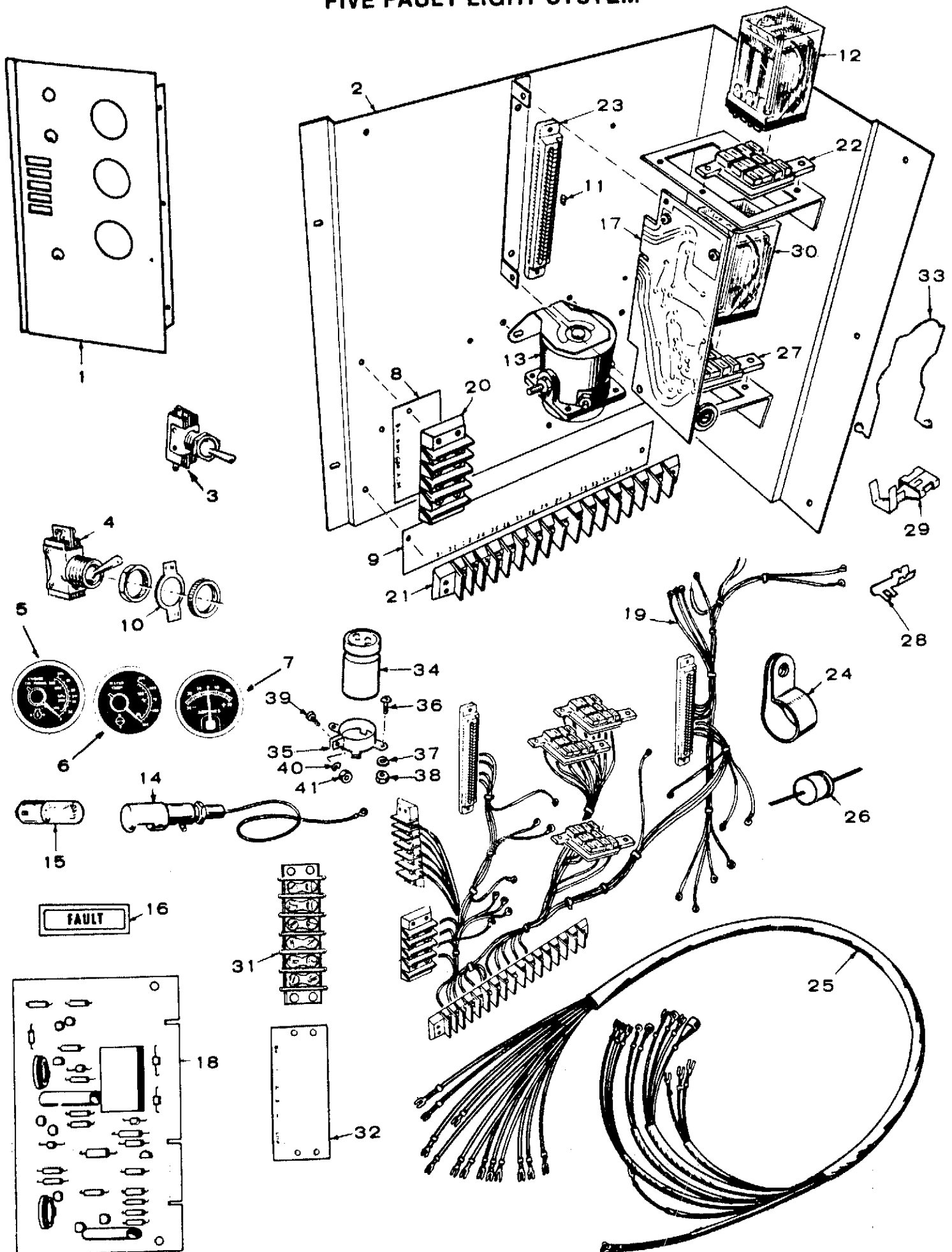
REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	301-3165	1	Panel Only, Engine Control
2	301-3253	1	Bracket, Engine Control
3	SWITCH, SELECTOR		
	308-0138	1	Standard
	308-0327	1	Penn State (Optional) - Begin Spec F
4	308-0002	1	Switch, Panel Light - Specs C through H
5	GAUGE, OIL PRESSURE		
	193-0243	1	Begin Spec J
	193-0107	1	Specs C through H
6	GAUGE, WATER TEMPERATURE		
	193-0245	1	Begin Spec J
	193-0106	1	Specs C through H
7	302-0061	1	Ammeter, Charge (30-0-30)
8	332-1239	1	Strip, Marker (B+, Remote, Ground Alarm)
9	332-1241	1	Strip, Marker (21 through 36)
10	308-0003	1	Plate, Switch (On-Off) - Specs C through H
11	332-1276	2	Plug, Keying
12	307-1058	2	Relay (1) Start-Disconnect, (1) Ignition
13	307-1031	1	Relay, Start Solenoid
14	322-0149	1	Holder, Lamp
15	322-0004	1	Lamp, Panel
16	322-0128	1	Lamp, Fault
17	CONTROL, CRANKER		
	300-0733	1	Standard Cranker
	300-0714	1	Cycle Cranker
18	MONITOR, ENGINE CONTROL (See Separate Group for Components)		
	300-0679	1	Standard
	300-0730	1	Penn State (Optional)

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
19	HARNESSES ASSEMBLY, WIRING - CONTROL (Includes Parts Marked *)		
	338-1065	1	Begin Spec J
	338-0528	1	Specs C through H
20	332-0537	1	*Block, Terminal - 4 Place
21	332-0795	1	*Block, Terminal - 16 Place
22	323-0765	2	*Socket, Relay - 11 Place
23	332-1271	2	*Housing, Printed Circuit Board Terminal
24	332-0051	1	Clip, Tinnerman
25	338-0538	1	Harness Assembly, Wiring - Engine to Control
26	357-0004	1	Rectifier, Diode (Part of Standard Cranker Control)
27	323-0764	1	*Socket, Relay - 8 Place
28	332-1269	As Req	*Terminal, PC Board
29	332-1280	As Req	*Terminal, Crimp
30	332-1043	1	*Jumper, Terminal - Sets With One Fault Light
31	307-1061	1	Relay, Starter Protection - Begin Spec D
32	356-0072	1	*Capacitor (4000 Mfd, 30 VDC)
33	356-0070	1	*Bracket, Capacitor Mounting
34	812-0063	2	*Screw, Machine - Round Head (#6-32 x 1/2")
35	853-0003	2	*Washer, Lock - External/ Internal (#6)
36	860-0006	2	*Nut, Hex (#6-32)
37	812-0061	1	*Screw, Machine - Round Head (#6-32 x 3/8" lg)
38	853-0003	1	*Washer, Lock - External/ Internal (#6)
39	860-0006	1	*Nut, Hex (#6-32)
40	307-1157	3	Spring, Relay Hold-down

* - Included in Wiring Harness Assembly.

★ - Parts added to Control Beginning Serial No.
A780293797 During Spec J to Eliminate False
Shut Downs.

CONTROL GROUP—ENGINE PORTION FIVE FAULT LIGHT SYSTEM

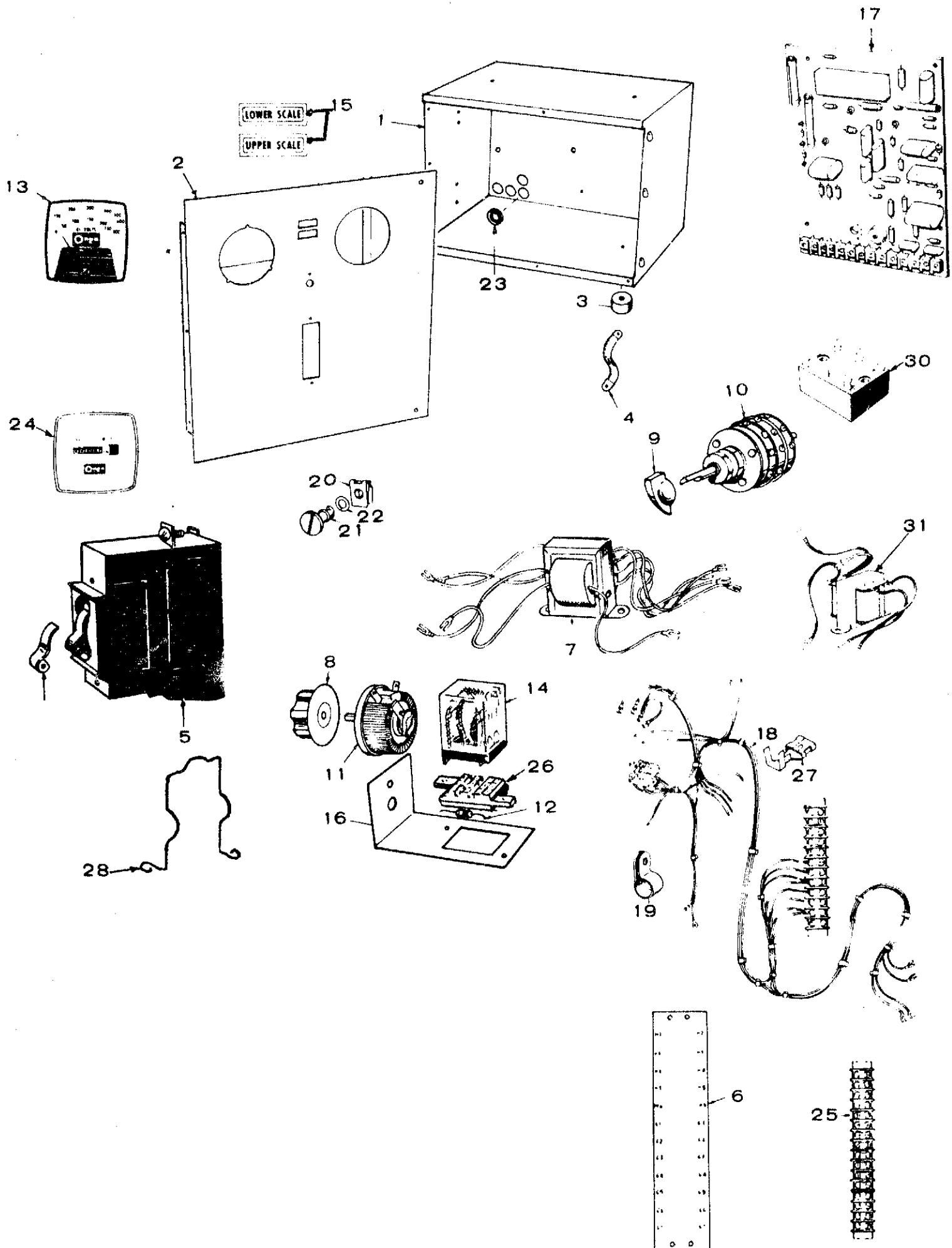


CONTROL—ENGINE PORTION FIVE FAULT LIGHT SYSTEM

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	301-3267	1	Panel Only, Engine Control	19	HARNESSE ASSEMBLY, WIRING - CONTROL (Includes Parts Marked *)		
2	301-3253	1	Bracket, Engine Control		338-1066	1	Begin Spec J
3	SWITCH, SELECTOR				338-0534	1	Specs C through H
	308-0138	1	Standard	20	332-0537	1	*Block, Terminal - 4 Place
	308-0327	1	Penn State (Optional) - Begin Spec F	21	332-1005	1	*Block, Terminal - 16 Place
4	308-0002	1	Switch, Panel Light (Specs C through H)	22	323-0765	2	*Socket, Relay - 11 Place
5	GAUGE, OIL PRESSURE			23	332-1271	2	*Housing, Printed Circuit Board Terminal
	193-0243	1	Begin Spec J	24	332-0051	1	Clip, Tinnerman
	193-0107	1	Specs C through H	25	338-0538	1	Harness Assembly, Wiring - Engine to Control
6	GAUGE, WATER TEMPERATURE			26	357-0004	1	Rectifier, Diode (Part of Standard Cranker Control)
	193-0245	1	Begin Spec J	27	323-0764	1	*Socket, Relay - 8 Place
	193-0107	1	Specs C through H	28	332-1269	As Req	*Terminal, PC Board
7	302-0061	1	Ammeter, Charge (30-0-30)	29	332-1280	As Req	*Terminal, Crimp
8	332-1239	1	Strip, Marker (B+, Remote, Ground Alarm)	30	307-1061	1	Relay, Starter Protection - Begin Spec D
9	332-1559	1	Strip, Marker (21 through 36)	31	332-0699	1	*Block, Terminal (6 Place)
10	308-0003	1	Plate, Switch (On-Off) (Specs C through H)	32	332-1240	1	Strip, Marker (53 through 58)
11	332-1276	1	Plug, Keying	33	307-1157	3	Spring, Relay Hold-down
12	307-1058	2	Relay (1) Start-Disconnect, (1) Ignition	34	356-0072	1	*Capacitor (4000 Mfd, 30 VDC)
13	307-1031	1	Relay, Start Solenoid	35	356-0070	1	*Bracket, Capacitor Mounting
14	322-0149	1	Holder, Lamp	36	812-0063	2	*Screw, Machine - Round Head (#6-32 x 1/2" lg)
15	322-0004	1	Lamp, Panel	37	853-0003	2	*Washer, Lock - External/ Internal (#6)
16	LAMP, FAULT			38	860-0006	2	*Nut, Hex (#6-32)
	322-0107	1	Overcrank	39	812-0061	1	*Screw, Machine - Round Head (#6-32 x 3/8" lg)
	322-0111	1	Overspeed	40	853-0003	1	*Washer, Lock - External/ Internal (#6)
	322-0108	1	Low Oil Pressure	41	860-0006	1	*Nut, Hex (#6-32)
	322-0109	1	High Engine Temperature				
	322-0110	1	Low Engine Temperature				
17	CONTROL, CRANKER						
	300-0733	1	Standard Cranker				
	300-0714	1	Cycle Cranker (See Separate Group for Components)				
18	300-0681	1	Monitor, Engine Control (See Separate Group for Components)				

* - Included in Wiring Harness Assembly.
 * - Parts added to Control Beginning Serial #
 A780293797 During Spec J to
 Eliminate False Shutdowns.

CONTROL (AC PORTION) SETS WITHOUT METER PANEL

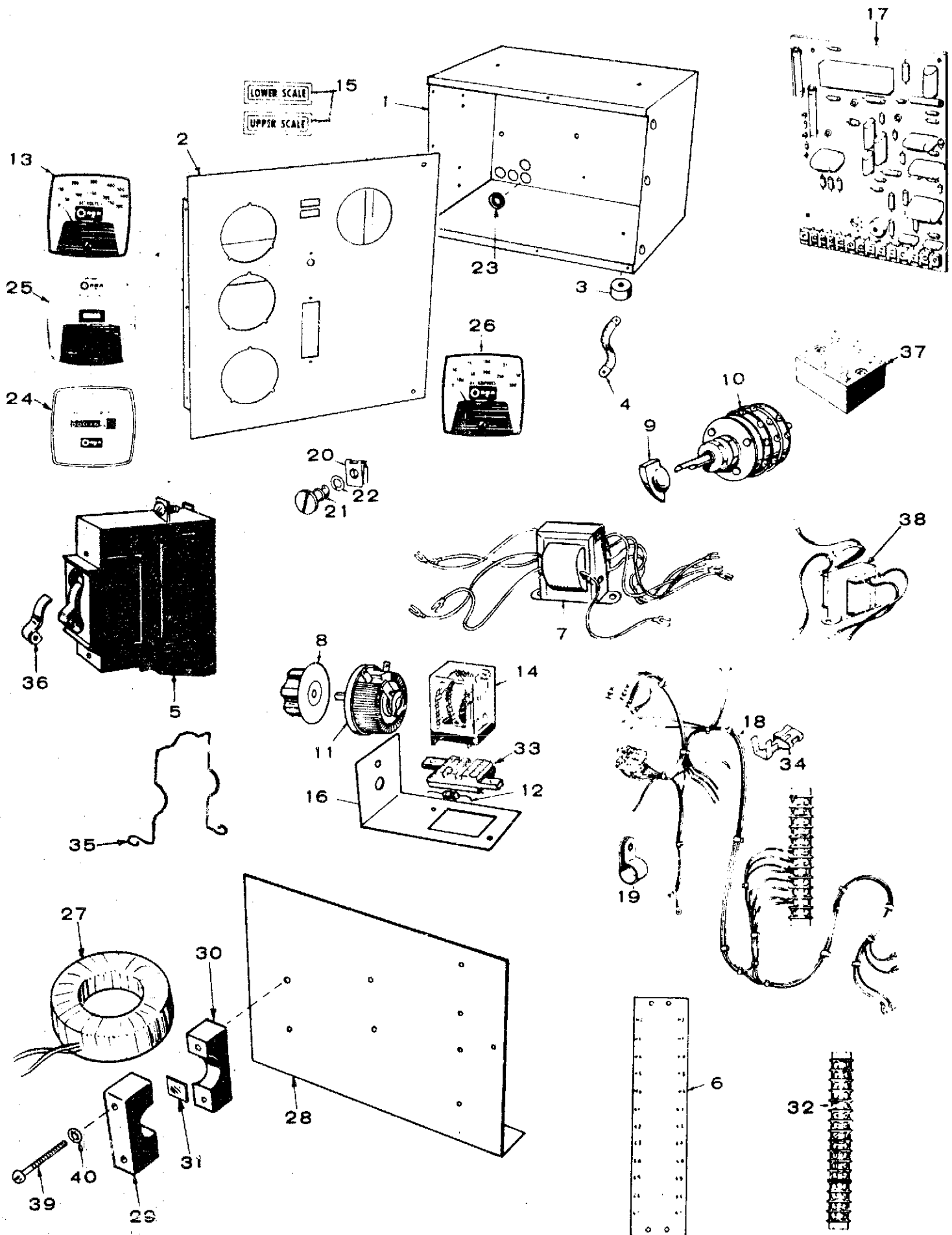


CONTROL (AC PORTION) SETS WITHOUT METER PANEL

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	301-3158	1	Box Only, Control	15	LIGHT, PANEL (Keys 1, 2 and 7)		
2	PANEL ONLY, CONTROL			322-0130	1	Lower Scale	
			Begin Spec H	322-0131	1	Upper Scale	
	301-3274	1	Keys 1, 2 and 7	16	301-3244	1	Bracket, Relay Mounting
	301-3821	1	Keys 4, 5 and 6				(Keys 1, 2 and 7)
	301-3822	1	Key 3 - Begin Spec J	17	BOARD ASSEMBLY, VOLTAGE REGULATOR (See Separate Groups for Components)		
			Specs C through G	332-1264	1	Brush Type Generator	
	301-3168	1	Keys 1, 2 and 7	332-1268	1	Brushless Type Generator	
	301-3341	1	Keys 4, 5 and 6				(Specs C through H)
3	402-0078	4	Dampener, Vibration	332-1956	1	Begin Spec J	
4	337-0049	1	Strap, Ground	18	HARNES, WIRING (Includes Parts Marked *)		
5	BREAKER, CIRCUIT			338-0764	1	Begin Spec H (Keys 1, 2 and 7)	
	320-0431	1	Brushless Generator	338-0524	1	Specs C through G	
	320-0002	1	Brush Type Generator				(Keys 1, 2 and 7)
6	STRIP, TERMINAL MARKER			338-0766	1	Begin Spec H (Keys 4, 5 and 6)	
	332-1248	1	Keys 1,2,4,5,6 and 7	338-0570	1	Specs C through G (Keys	
	332-1242	1	Key 3			4, 5 and 6)	
7	TRANSFORMER, VOLTAGE			338-0765	1	Begin Spec J (Key 3)	
	315-0431	1	Begin Spec J	19	332-0050	1	Clip, Tinnerman
	315-0342	1	Specs C through H	20	406-0332	2	Fastener
8	303-0032	1	Knob, Rheostat	21	406-0333	2	Stud, Fastener
9	303-0076	1	Knob, Voltage Selector	22	406-0334	2	Washer, Stud Fastener
			(Keys 1,2,4,5,6 and 7)	23	508-0001	4	Grommet, Rubber
10	308-0012	1	Switch, Voltage Selector	24	METER, RUNNING TIME		
			(Keys 1,2,4,5,6 and 7)	302-0469	1	Keys 1 and 2	
11	303-0170	1	Rheostat, Voltage Adjust	302-0466	1	Keys 3,4,5,6 and 7	
			(3,500-Ohm, 25 Watt)	25	332-0607	1	*Block, Terminal
12	350-0556	1	*Resistor (47,000-Ohm, 1/2 Watt)-	26	323-0764	1	*Socket, Relay (Keys 1, 2 and 7)
			Keys 1, 2 and 7)	27	332-1280	As Req	*Terminal, Crimp (Keys 1, 2 and 7)
13	VOLTMETER			28	307-1157	1	Spring, Relay Hold-down
	302-0718	1	Keys 1, 2 and 7 - Dual Scale				(Keys 1, 2 and 7)
			(0-300/0-600)	29	320-0307	1	Lock, Circuit Breaker
	302-0779	1	Key 6 (0-750)				Handle (Key 2)
	302-0612	1	Key 5 (0-500)	30	305-0524	1	Rectifier, Bridge - Begin
	302-0422	1	Key 4 (0-600)				Spec H
	302-0421	1	Key 3 (0-300)	31	315-0384	1	Reactor, Commutator - Begin
14	307-1061	1	Relay, Voltage Selector				Spec H
			(Keys 1, 2 and 7)				

* - Parts Included in Wiring Harness Assembly.

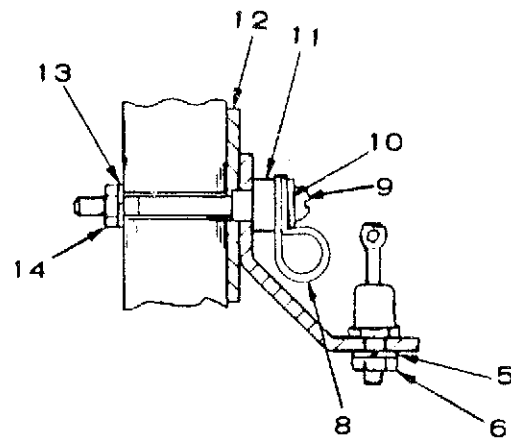
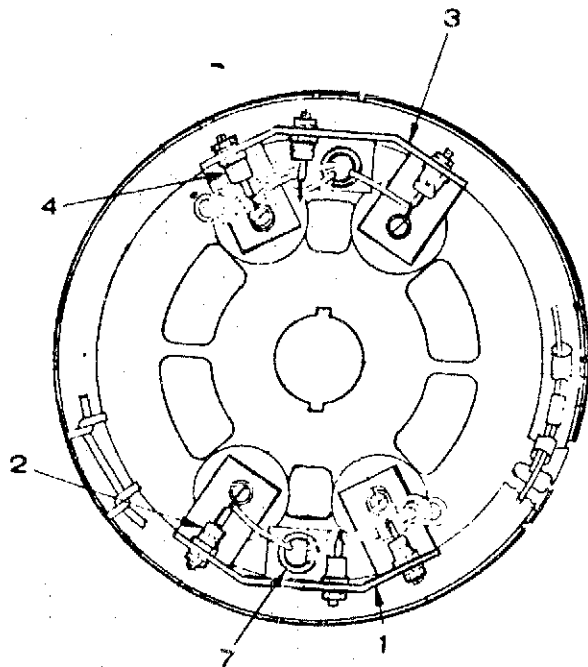
CONTROL (AC PORTION) SETS WITH METER PANEL



CONTROL (AC PORTION) SETS WITH METER PANEL

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	301-3158	1	Box Only, Control	20	406-0332	2	Fastener
2	PANEL ONLY, CONTROL			21	406-0333	2	Stud, Fastener
	301-3170	1	Keys 1, 2 and 7	22	406-0334	2	Washer, Stud Fastener
	301-3342	1	Keys 4, 5 and 6	23	508-0001	4	Grommet, Rubber
	301-3169	1	Key 3	24	METER, RUNNING TIME		
3	402-0078	4	Dampener, Vibration		302-0466	1	60 Hertz
4	337-0049	1	Strap, Ground		302-0469	1	50 Hertz
5	BREAKER, CIRCUIT			25	METER, FREQUENCY		
	320-0002	1	Brush Type Generators		302-0221	1	60 Hertz
	320-0431	1	Brushless Generators		302-0256	1	50 Hertz
6	332-1242	1	Strap, Terminal Block	26	AMMETER, AC		
			Marker		302-0720	1	Key 2
7	TRANSFORMER, VOLTAGE				302-0721	1	Key 7
	315-0431	1	Begin Spec J		302-0406	1	Key 6
	315-0342	1	Specs C through H		302-0410	1	Key 5
8	303-0032	1	Knob, Rheostat		302-0408	1	Key 4
9	303-0076	1	Knob, Selector (Keys 1,2,4,5, 6 and 7)		302-0412	2	Key 3
10	308-0284	1	Switch, Voltmeter/Ammeter (Keys 1,2,4,5,6 and 7)		302-0719	1	Key 1
11	303-0170	1	Rheostat (3,500-Ohm, 25 Watt)	27	TRANSFORMER, CURRENT		
12	350-0556	1	*Resistor (47,000-Ohm, 1/2 Watt) - Keys 1, 2 and 7		302-0079	3	Key 1
13	VOLTMETER				302-0106	3	Key 2
	302-0718	1	Keys 1, 2 and 7 - Dual Scale (0-300/0-600)		302-0209	2	Key 3
	302-0779	1	Key 6 (0-750)		302-0078	3	Key 4
	302-0612	1	Key 5 (0-500)		302-0079	3	Key 5
	302-0422	1	Key 4 (0-600)		302-0076	3	Key 6
	302-0421	1	Key 3 (0-300)		302-0107	3	Key 7
14	307-1061	1	Relay, Voltage Selector (Keys 1, 2 and 7)	28	302-0729	1	Bracket, Current Transformer Mounting
15	LIGHT, PANEL (Keys 1, 2 and 7)			29	CLAMP, TRANSFORMER - UPPER		
	322-0130	1	Lower Scale		302-0235	3	Keys 1,2,4,5,6 and 7
	322-0131	1	Upper Scale	30	CLAMP, TRANSFORMER - LOWER		
16	301-3244	1	Bracket, Relay Mounting (Keys 1, 2 and 7)		302-0236	2	Key 3
17	BOARD ASSEMBLY, VOLTAGE REGULATOR (See Separate Group for Components)				302-0236	3	Keys 1,2,4,5,6 and 7
	332-1956	1	Begin Spec J	31	302-0253	As Req	Shim, Transformer Mounting
	332-1268	1	Brushless Generators (Specs C through H)	32	332-0795	1	*Block, Terminal
	332-1264	1	Brush Type Generators	33	323-0764	1	*Socket, Relay - Keys 1, 2 and 7
18	HARNESS, WIRING (Includes Parts Marked *)			34	332-1280	As Req	*Terminal, Crimp - Keys 1, 2 and 7
	338-0730	1	Keys 1, 2 and 7 - Begin Spec H	35	307-1157	1	Spring, Relay Hold-down
	338-0525	1	Keys 1, 2 and 7 - Specs C through G	36	320-0307	1	Lock, Circuit Breaker Handle - Key 2
	338-0759	1	Keys 4 and 6 - Begin, Spec H	37	305-0524	1	Rectifier, Bridge - Begin Spec H
	338-0571	1	Keys 4 and 6 - Specs C through G	38	315-0384	1	Reactor, Commutator - Begin Spec H
	338-1063	1	Key 5 - Begin Spec J	39	813-0110	As Req	Screw, Machine - Round Head (#10-32 x 2" lg)
	338-0735	1	Key 3 - Begin Spec J	40	854-0010	As Req	Washer, Lock - Internal (#10)
19	332-0050	1	Clip, Tinnerman		815-0203	1	Screw, Machine - Round Head (#10-32 x 7/8" lg)
					871-0010	As Req	Nut, Hex (#10-32)
					526-0049	2	Washer, Flat (.200" ID x 7/16" OD x 1/32" Thk)
					856-0003	1	Washer, Lock - External/Internal (#6)

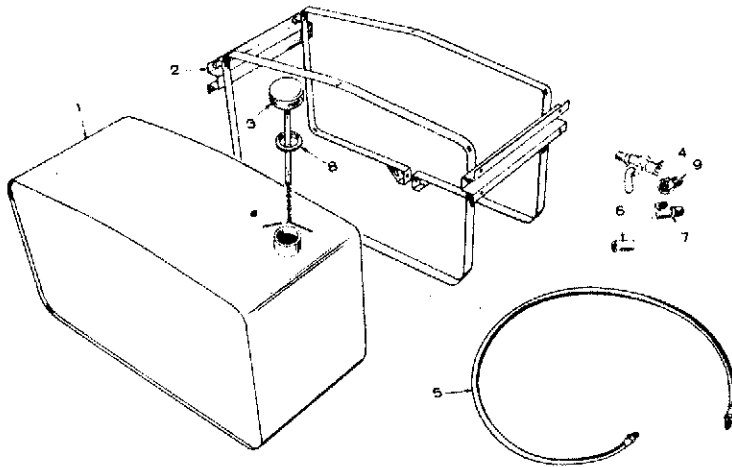
EXCITER ROTOR



REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
	201-1739	1	Rotor Assembly, Wound - Exciter (Complete)
1	363-0055	1	Heat Sink, Rectifier - Negative
2	358-0015	3	Rectifier, Diode - Negative (CR4, CR5 & CR6)
3	363-0054	1	Heat Sink, Rectifier - Positive
4	358-0016	3	Rectifier, Diode - Positive (CR1, CR2 & CR3)
5	850-0030	6	Washer, Lock Spring (#10) Diode Mounting
6	870-0053	6	Nut, Hex - Diode Mounting (10-32)
7	508-0093	2	Grommet, Rubber
8	332-0050	2	Clip, Wire
9	813-0110	4	Screw, Roundhead - Heat Sink Mounting (10-32 x 2")
10	526-0009	4	Washer, Flat - Heat Sink Mounting (#10)
11	508-0124	4	Bushing, Insulating - Heat Sink Mounting
12	508-0156	4	Washer, Insulating - Heat Sink Mounting
13	850-0030	4	Washer, Lock Spring - Heat Sink Mounting (#10)
14	870-0053	4	Nut, Hex - Heat Sink Mtg. (10-32)

MOUNTED FUEL TANK

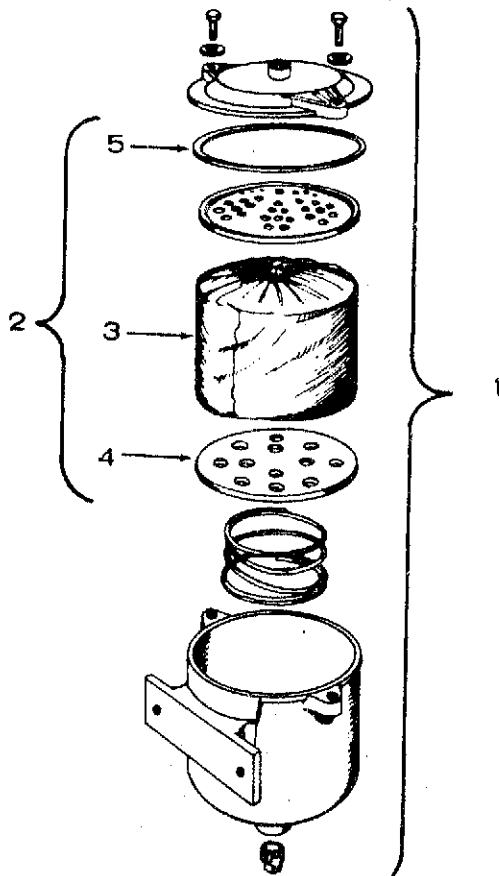
(OPTIONAL)



REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	159-0490	1	Tank, Fuel
2	159-0489	1	Strap Assembly, Fuel Tank Mounting
3	159-0512	1	Cap & Indicator, Fuel Tank
4	VALVE, SHUT-OFF		
	504-0013	1	Fuel Supply - With Screen
	504-0075	1	Fuel Supply - With Screen - Three Way
	504-0007	1	Fuel Return
	504-0004	1	Fuel Return - Three Way
5	LINE, FUEL		
	501-0089	1	Fuel Supply (39")
	501-0088	1	Fuel Return (28")
6	505-0026	1	Coupling, Pipe (1/8")
7	502-0020	1	Elbow, Street
8	159-0751	1	Gasket, Gas Tank Filler Neck
9	502-0003	1	Connector, Inverted Male (Use with Three Way Valve)

WATER FILTER

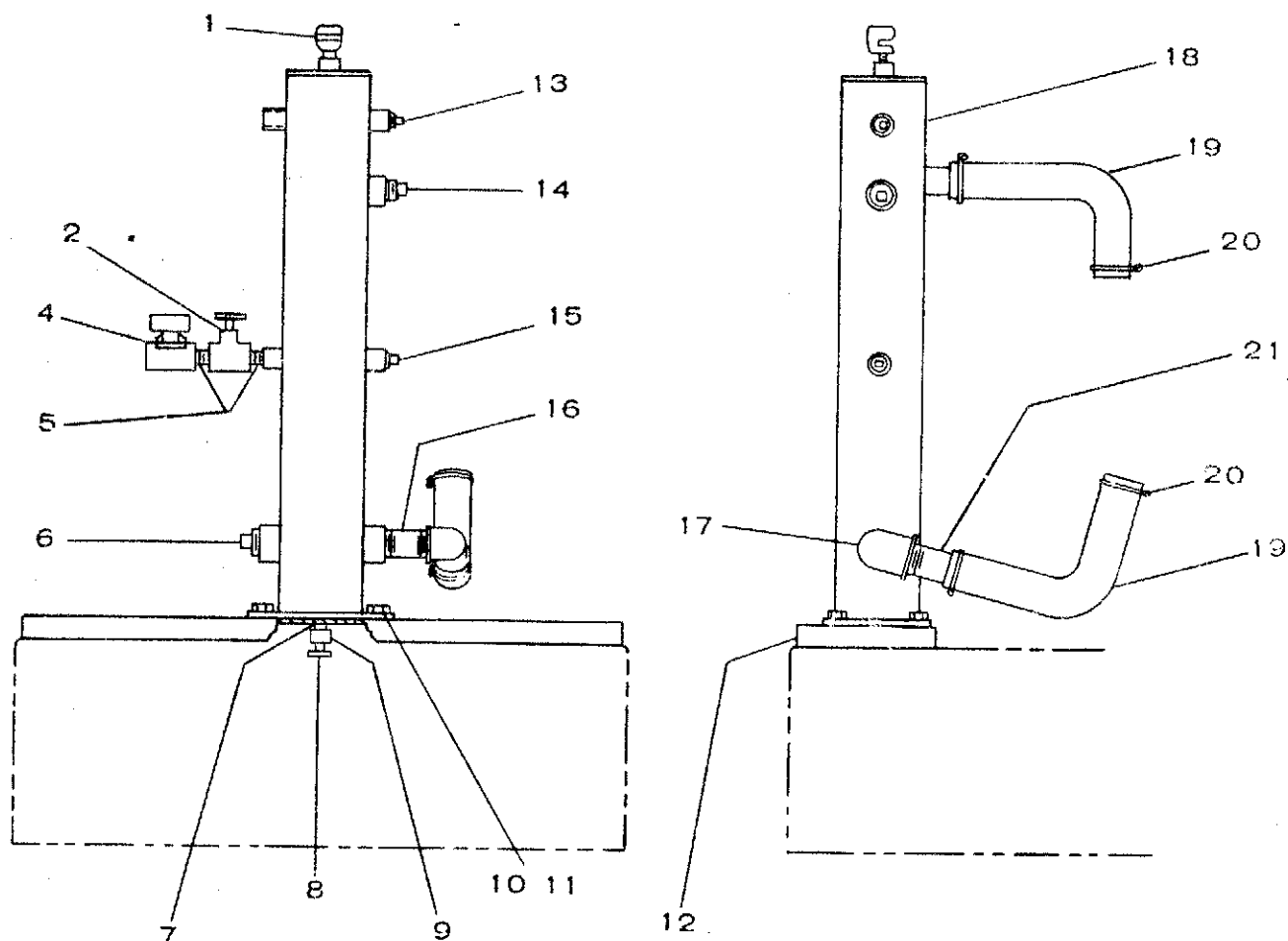
- OPTIONAL



REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	130-0497	1	Filter, Water - Complete
2	ELEMENT REPLACEMENT KIT, WATER FILTER		
	130-0771	1	Chromate Element (Includes Parts Marked *) - Original Equipment
	130-0772	1	All Purpose, Year Around Element (Includes Parts Marked †)
3	ELEMENT, FILTER		
	130-0775	1	*Chromate Element
	130-0776	1	†All Purpose, Year Around
4	130-0780	1	*†Plate, Sacrificial
5	130-0778	1	*†Gasket, Cover

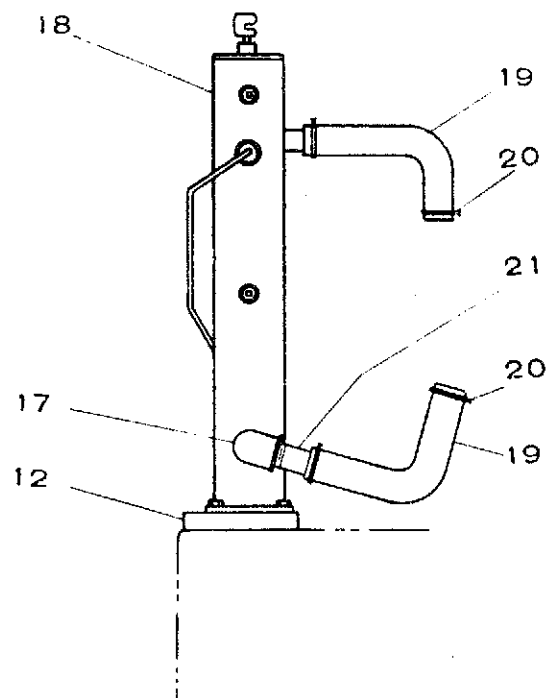
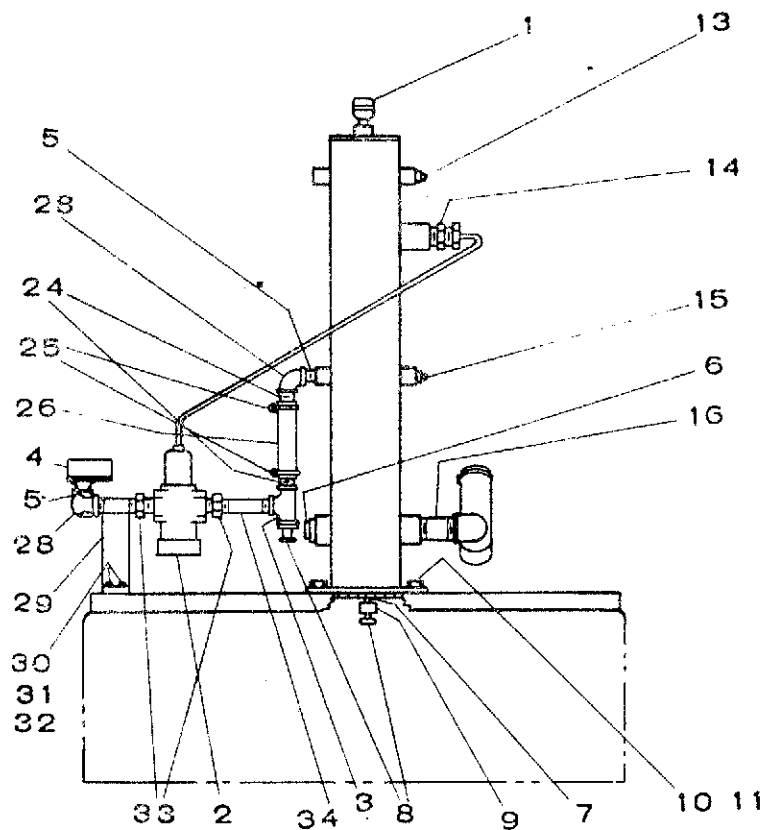
* - Included in #130-0771 Element Replacement Kit.
† - Included in #130-0772 Element Replacement Kit.

STANDPIPE COOLING INSTALLATION



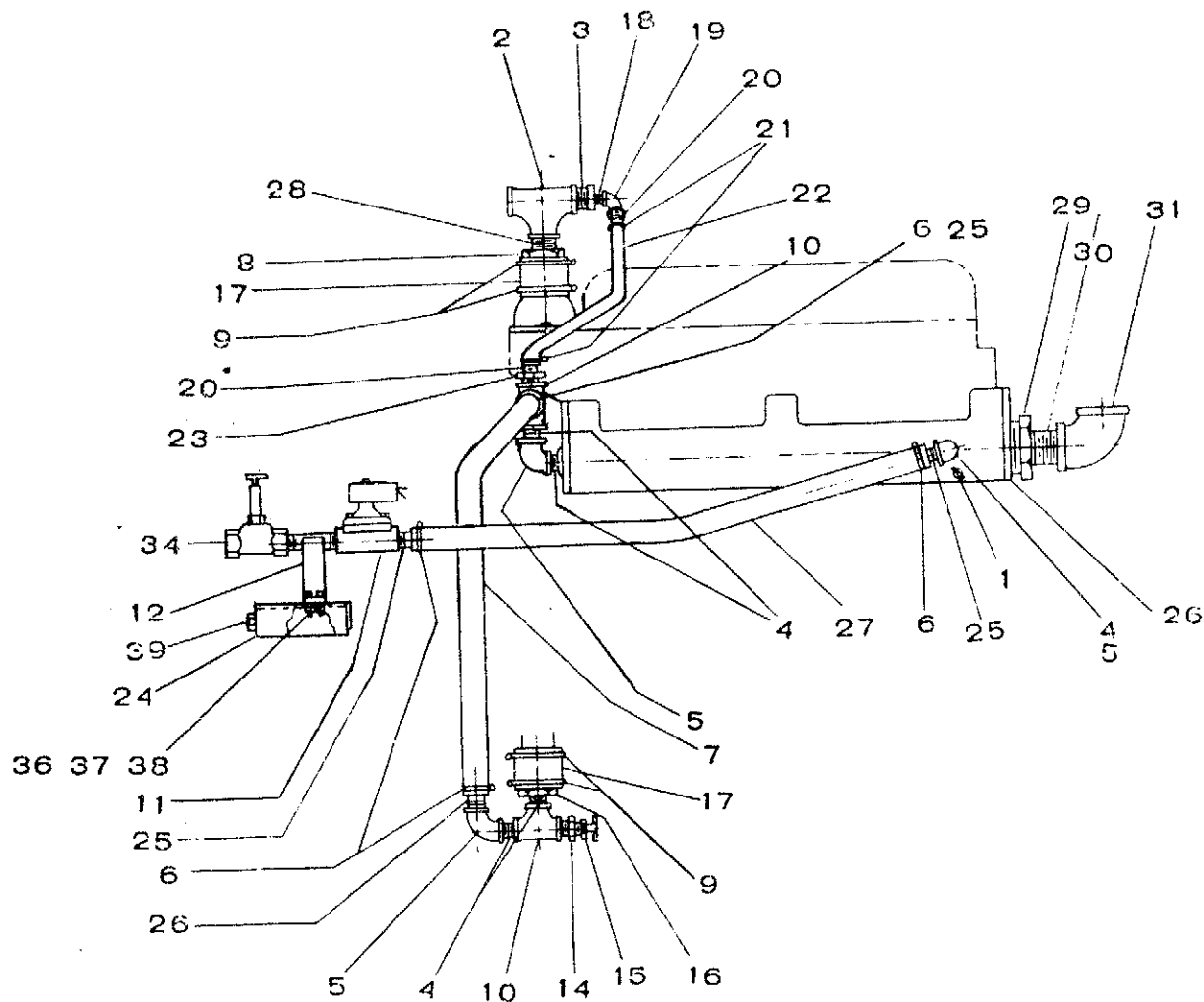
REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	504-0062	1	Valve, Vacuum Relief
2	504-0019	1	Valve, Globe
4	307-0833	1	Valve, Solenoid
5	505-0100	2	Nipple, Pipe (1/2 x Close)
6	505-0359	1	Plug, Pipe (1-1/4)
7	505-0101	1	Nipple, Pipe (3/8 x Close)
8	504-0028	1	Cock, Drain
9	505-0028	1	Coupling (3/8)
10	850-0050	4	Washer, Lock - Spring (3/8)
11	800-0048	4	Screw, Cap - Hex Head (3/8-16 x 3/4")
12	130-0860	1	Support, Standpipe
13	505-0130	1	Plug, Pipe (3/4)
14	505-0140	1	Plug, Pipe (1")
15	505-0056	1	Plug, Pipe (1/2)
16	505-0258	1	Nipple, Pipe (1-1/4 x 3")
17	505-0183	1	Elbow, Reducer (1-1/2 x 1-1/4)
18	130-0659	1	Standpipe
19	503-0441	2	Hose
20	503-0365	4	Clamp
21	505-0385	1	Nipple, Half (1-1/2 x 2")
22	130-0785	1	Guard, Belt (Not Illustrated)

STANDPIPE COOLING WITH REGULATOR INSTALLATION—



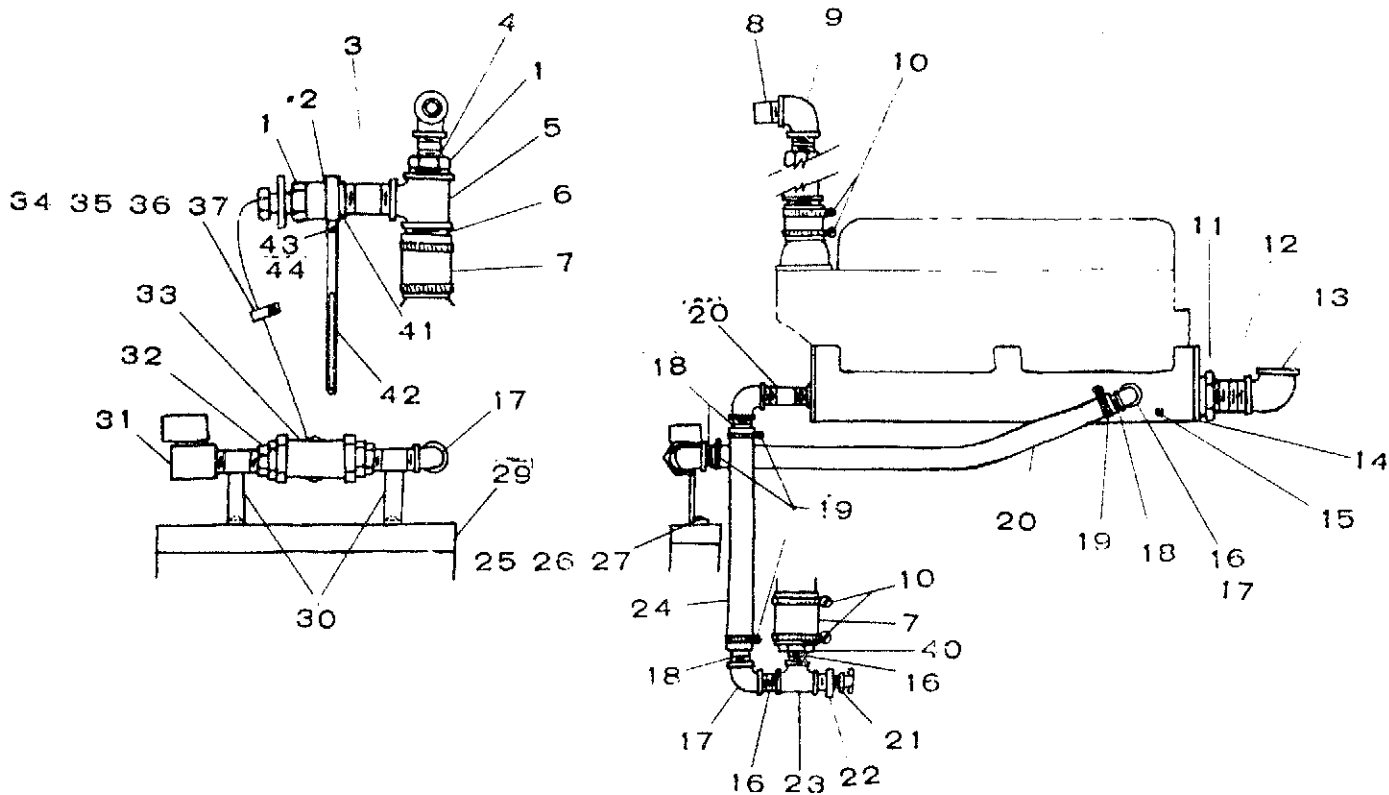
REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	504-0062	1	Valve, Vacuum Relief
2	309-0241	1	Valve, Water Temperature Control (Marsh)
3	505-0108	1	Tee (1/2")
4	307-0833	1	Valve, Solenoid
5	505-0100	2	Nipple, Pipe - Close (1/2")
6	505-0359	1	Plug, Pipe (1-1/4")
7	505-0101	1	Nipple, Close (3/8")
8	504-0028	2	Valve, Drain
9	505-0028	1	Coupling, Pipe (3/8")
10	850-0050	4	Washer, Lock - Spring (3/8")
11	800-0048	4	Screw, Cap - Hex Head (3/8-16 x 3/4" Lg)
12	130-0860	1	Support, Standpipe
13	505-0130	1	Plug (3/4")
14	505-0129	1	Reducer, Pipe (1 x 3/4")
15	505-0056	1	Plug, Pipe
16	505-0258	1	Nipple, Pipe (1-1/4 x 3")
17	505-0183	1	Elbow, Reducer (1-1/2 x 1-1/4")
18	130-0659	1	Standpipe
19	503-0441	2	Hose
20	503-0365	4	Clamp, Hose
21	505-0474	1	Nipple, Half (1-1/2 x 5")
22	130-0785	1	Guard, Belt (Not Shown)
23	505-0185	2	Nipple, Half (1/2")
24	503-0189	2	Clamp, Hose
25	503-0437	1	Hose (3/4" ID x 7-1/2")
26	505-0040	2	Elbow, Pipe (1/2")
27	110-0526	1	Nipple and Bracket Assembly
28	862-0015	2	Nut, Hex (5/16-18)
29	850-0045	2	Washer, Lock - Spring (5/16")
30	800-0027	2	Screw, Cap - Hex Head (5/16-18 x 7/8" Lg)
31	505-0021	2	Bushing, Reducer (3/4 x 1/2")
32	505-0002	1	Nipple, Pipe (1/2 x 3")

CITY WATER COOLING INSTALLATION



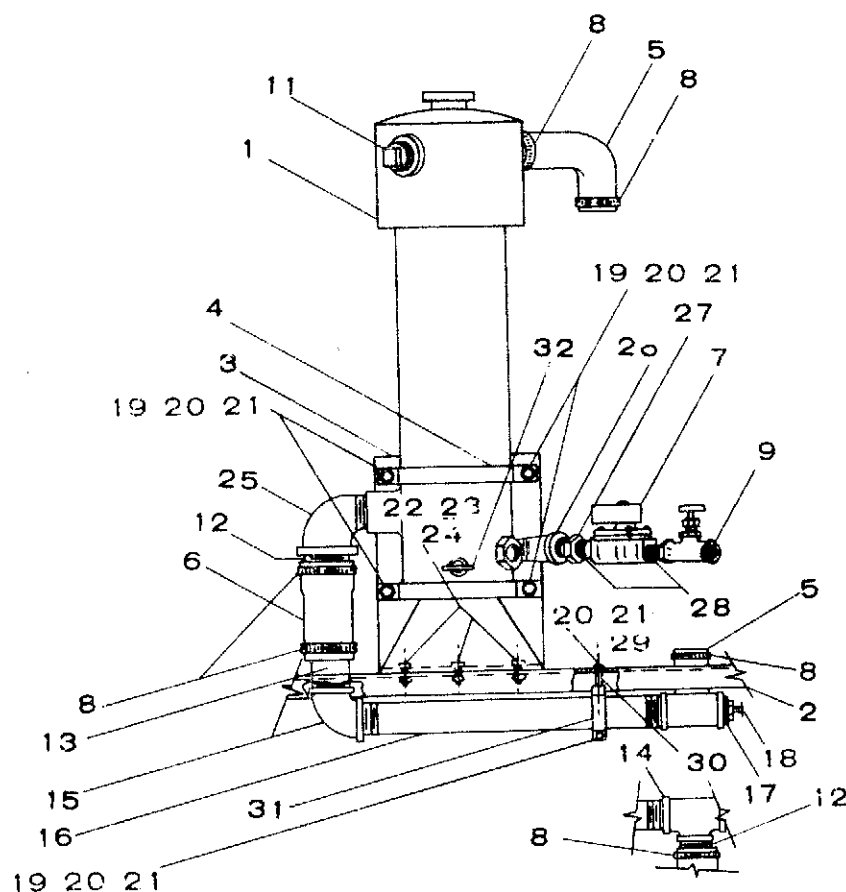
REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	504-0005	1	Cock, Drain	22		1	Hose, Water (Order 12" of Bulk Hose #503-0110)
2	505-0166	1	Tee, Pipe (3/4)	23	505-0018	1	Bushing, Reducer (1/2 x 1/4)
3	505-0020	1	Bushing, Reducer (3/4 x 1/4)	24	130-0499	1	Bracket, Heat Exchanger
4	505-0100	5	Nipple, Pipe (1/2 x Close)	25	505-0185	4	Nipple, Half (1/2 x 1-1/2")
5	505-0040	3	Elbow, Pipe (1/2)	26	154-0889	1	Manifold, Water Cooled Exhaust
6	503-0189	4	Clamp, Hose	27		1	Hose, Water (Order 36" of Bulk Hose #503-0386)
7		1	Hose, Water (Order 14" of Bulk Hose #503-0386)	28	505-0102	1	Nipple, Pipe (3/4 x Close)
8	110-1543	1	Plug, Hose Adapter	29	505-0207	1	Bushing, Reducer (2-1/2 x 2)
9	503-0311	4	Clamp, Hose	30	505-0172	1	Nipple, Pipe (2" x Close)
10	505-0108	2	Tee, Pipe (1/2)	31	505-0175	1	Elbow, Pipe (2")
11	307-0833	1	Valve	32	130-0785	1	Guard, Generator Belt (Not Illustrated)
12	110-0526	1	Bracket and Nipple Assembly	33	526-0030	2	Washer, Belt Guard Mounting (13/32" ID x 7/8" OD x 1/8" Thk) (Not Illustrated)
14	505-0019	1	Bushing, Reducer (1/2 x 3/8)	34	504-0010	1	Valve, Globe
15	504-0028	1	Cock, Drain	36	800-0007	2	Screw, Cap - Hex Head (1/4-20 x 1")
16	110-0576	1	Adapter (1-3/4 x 1/2)	37	850-0040	2	Washer, Lock - Spring (1/4")
17		2	Hose, Water (Order 3" of Bulk Hose #503-0356)	38	862-0001	2	Nut, Hex (1/4-20)
18	505-0099	1	Nipple, Pipe (1/4 x Close)	39	821-0014	6	Screw, Cap - Locking (5/16-18 x 1/2")
19	505-0038	1	Elbow, Pipe (1/4)				
20	505-0302	2	Nipple, Half (1/4 x 1-1/2")				
21	503-0183	2	Clamp, Pipe				

CITY WATER COOLING WITH REGULATOR INSTALLATION



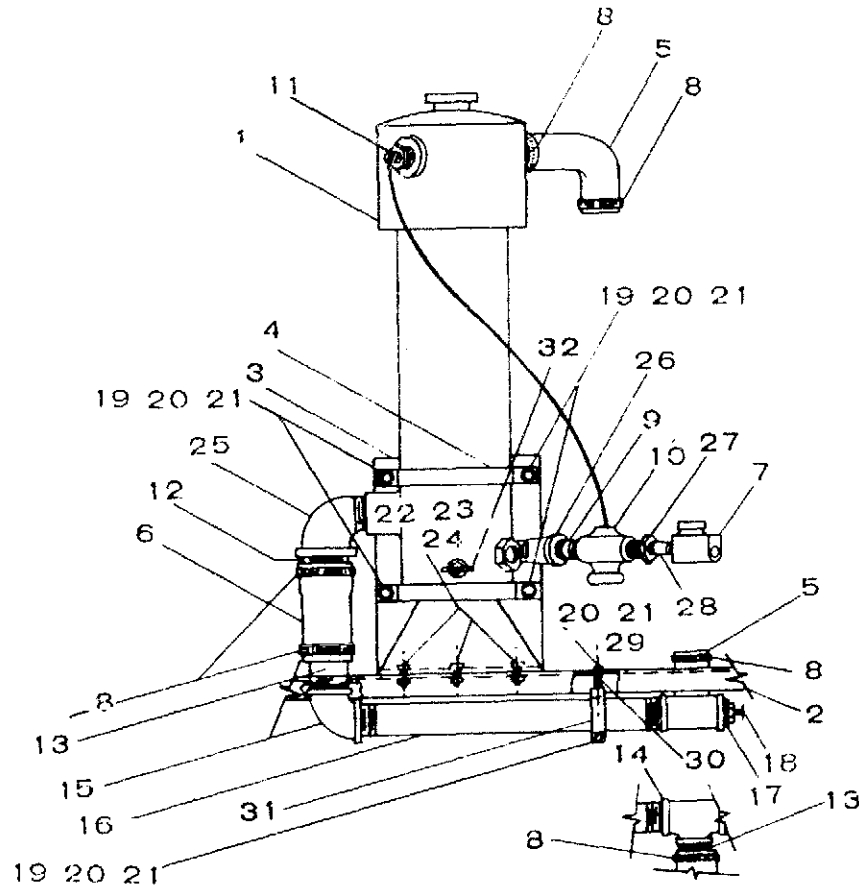
REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	505-0289	2	Bushing, Reducer (1-1/2 x 3/4)	24		1	Hose, Water (Order 14" of Bulk Hose #503-0386)
2	505-0032	1	Coupling, Pipe (1-1/2)	25	800-0027	4	Screw, Cap - Hex Head - (5/16-18 x 7/8")
3	505-0109	1	Nipple, Pipe (1-1/2 x 2-1/2")	26	850-0045	4	Washer, Lock - Spring (5/16")
4	505-0102	1	Nipple, Pipe (3/4 x Close)	27	862-0015	4	Nut, Hex (5/16-18)
5	505-0317	1	Tee, Pipe (1-1/2)	28	505-0176	1	Nipple, Pipe (1/2 x 3-1/2")
6	505-0385	1	Nipple, Half (1-1/2 x 2")	29	130-0499	1	Bracket, Heat Exchanger
7		2	Hose, Water (Order 3" of Bulk Hose #503-0356)	30	110-0526	2	Bracket and Nipple Assembly
8	505-0324	1	Nipple, Half (3/4 x 2")	31	307-0833	1	Valve, Solenoid
9	505-0051	1	Elbow, Street (3/4 x 90°)	32	505-0021	2	Bushing, Reducer (3/4 x 1/2)
10	503-0311	4	Clamp, Hose	33	309-0241	1	Valve, Water Temperature Control
11	505-0207	1	Bushing, Reducer (2-1/2 x 2)	34	332-0050	1	Clip, Wire
12	505-0172	1	Nipple, Pipe (2" x Close)	35	812-0079	1	Screw, Machine - Round Head (8-32 x 1/2")
13	505-0175	1	Elbow, Pipe (2" x 90°)	36	860-0009	1	Nut, Hex (8-32)
14	154-0889	1	Manifold, Water Cooled Exhaust	37	850-0025	1	Washer, Lock - Spring (#8)
15	504-0005	1	Cock, Drain	38	130-0785	1	Guard, Belt (Not Illustrated)
16	505-0100	3	Nipple, Pipe (1/2 x Close)	39	526-0030	2	Washer, Flat (13/32" ID x 7/8" OD x 1/8" Thk) (Not Illustrated)
17	505-0040	3	Elbow, Pipe (1/2 x 90°)	40	110-0576	1	Adapter
18	505-0185	4	Nipple, Half (1/2 x 1-1/2")	41	130-0522	1	Clamp
19	503-0189	4	Clamp, Hose	42	191-0235	1	Strap
20		1	Hose, Water (Order 36" of Bulk Hose #503-0386)	43	800-0005	1	Screw, Cap - Hex Head (1/4-20 x 3/4")
21	504-0028	1	Cock, Drain	44	850-0040	1	Washer, Lock - Spring (1/4")
22	505-0019	1	Bushing, Reducer (1/2 x 3/8)				
23	505-0108	1	Tee, Pipe (1/2)				

HEAT EXCHANGER COOLING INSTALLATION—



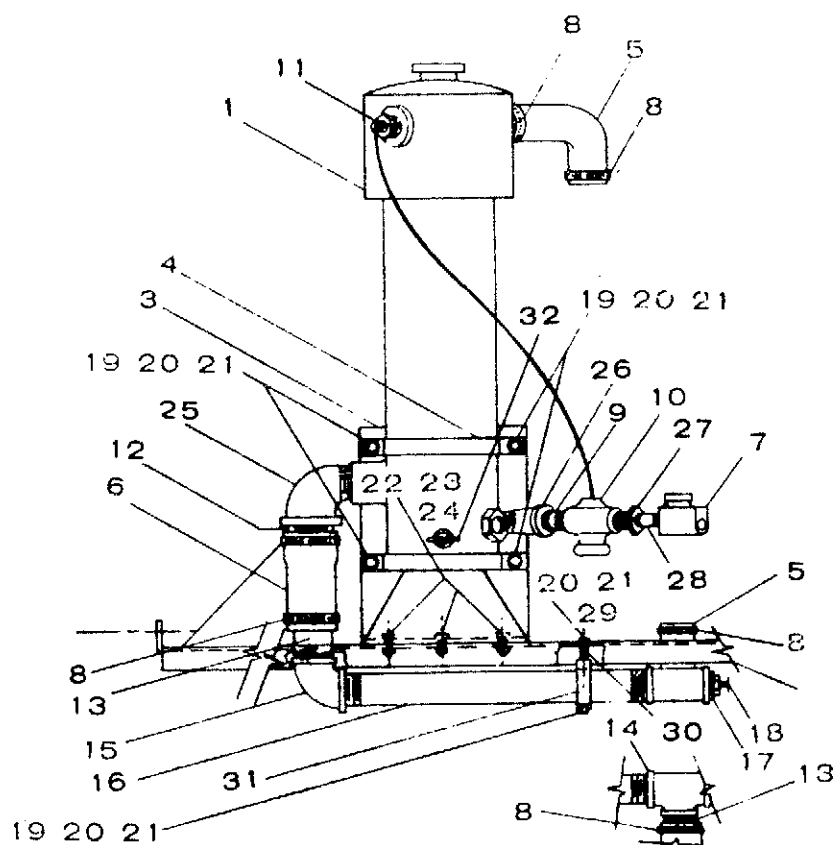
REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	130-0796	1	Exchanger, Heat	18	504-0003	1	Cock, Drain (1/4 NPT)
2	130-0805	1	Bracket, Heat Exchanger	19	800-0004	5	Screw, Cap - Hex Head (1/4-20 x 5/8")
3	130-0819	1	Bracket, Heat Exchanger Mounting	20	850-0040	6	Washer, Lock - Spring (1/4")
4	130-0802	2	Strap, Heat Exchanger Mounting	21	862-0001	6	Nut, Hex (1/4-20)
5	503-0441	2	Hose, Radiator (1-3/4" ID) - (Molded)	22	800-0026	3	Screw, Cap - Hex Head (5/16-18 x 3/4")
6		1	Hose, Radiator (Order 8" of Bulk Hose #503-0356)	23	850-0045	3	Washer, Lock - Spring (5/16")
7	307-0833	1	Valve, Solenoid	24	862-0015	3	Nut, Hex (5/16-18)
8	503-0311	6	Clamp, Hose	25	505-0462	1	Elbow, Street (1-1/2 x 90°)
9	504-0019	1	Valve, Globe	26	505-0691	1	Elbow, Street (3/4 x 45°)
11	505-0140	1	Plug, Pipe (1")	27	505-0021	1	Bushing, Reducer (3/4 x 1/2)
12	505-0444	1	Nipple, Half (1-1/2 x 2-1/4")	28	505-0100	2	Nipple, Pipe (1/2 x 1-1/8")
13	505-0628	2	Nipple, Half (1-1/2 x 3")	29	800-0012	1	Screw, Cap - Hex Head (1/4-20 x 2-1/4")
14	505-0317	1	Tee, Pipe (1-1/2)	30	232-1197	1	Spacer (1-11/16" Lg)
15	505-0043	1	Elbow, Pipe (1-1/2 x 90°)	31	331-0101	1	Hanger
16	505-0424	1	Nipple, Pipe (1-1/2 x 16-1/2")	32	504-0005	1	Cock, Drain (1/8 NPT)
17	505-0426	1	Bushing, Reducer (1-1/2 x 1/4)	33	130-0785	1	Guard, Belt (Not Illustrated)

HEAT EXCHANGER COOLING WITH REGULATOR INSTALLATION



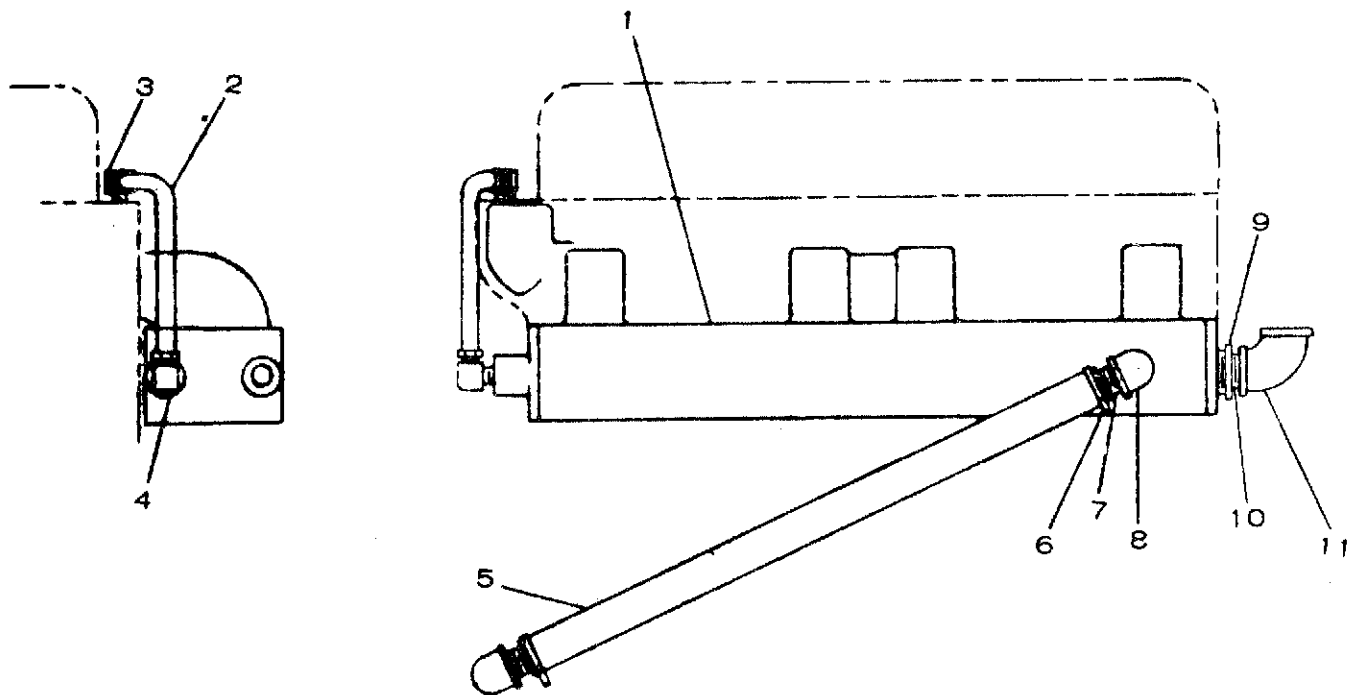
REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	130-0796	1	Exchanger, Heat	17	505-0426	1	Bushing, Reducer (1-1/2 x 1/4)
2	130-0828	1	Bracket, Heat Exchanger	18	504-0003	1	Cock, Drain (1/4 NPT)
3	130-0819	1	Bracket, Heat Exchanger Mounting	19	800-0004	5	Screw, Cap - Hex Head (1/4-20 x 5/8")
4	130-0802	2	Strap, Heat Exchanger Mounting	20	850-0040	6	Washer, Lock - Spring (1/4")
5	503-0441	2	Hose, Radiator (1-3/4" ID) - (Molded)	21	862-0001	6	Nut, Hex (1/4-20)
6		1	Hose, Radiator (Order 8" of Bulk Hose #503-0356)	22	800-0026	7	Screw, Cap - Hex Head (5/16-18 x 3/4" Lg)
7	307-0833	1	Valve, Solenoid	23	850-0045	7	Washer, Lock - Spring (5/16")
8	503-0311	6	Clamp, Hose	24	862-0015	7	Nut, Hex (5/16-18)
9	505-0102	1	Nipple (3/4 x Close)	25	505-0462	1	Elbow, Street (1-1/2 x 90°)
10	309-0241	1	Valve, Regulator	26	505-0691	1	Elbow, Street (3/4 x 45°)
11	505-0129	1	Bushing, Reducer (1 x 3/4)	27	505-0021	1	Bushing, Reducer (3/4 x 1/2)
12	505-0444	1	Nipple, Half (1-1/2 x 2-1/4")	28	505-0100	1	Nipple, Pipe (1/2 x 1-1/8")
13	505-0628	2	Nipple, Half (1-1/2 x 3")	29	800-0012	1	Screw, Cap - Hex Head (1/4-20 x 2-1/4")
14	505-0317	1	Tee, Pipe (1-1/2)	30	232-1197	1	Spacer (1-11/16" Lg)
15	505-0043	1	Elbow, Pipe (1-1/2 x 90°)	31	331-0101	1	Hanger
16	505-0424	1	Nipple, Pipe (1-1/2 x 16-1/2")	32	504-0005	1	Cock, Drain (1/8 NPT)
				33	130-0785	1	Guard, Belt (Not Illustrated)

HEAT EXCHANGER WITH WATER TEMPERATURE CONTROL VALVE INSTALLATION



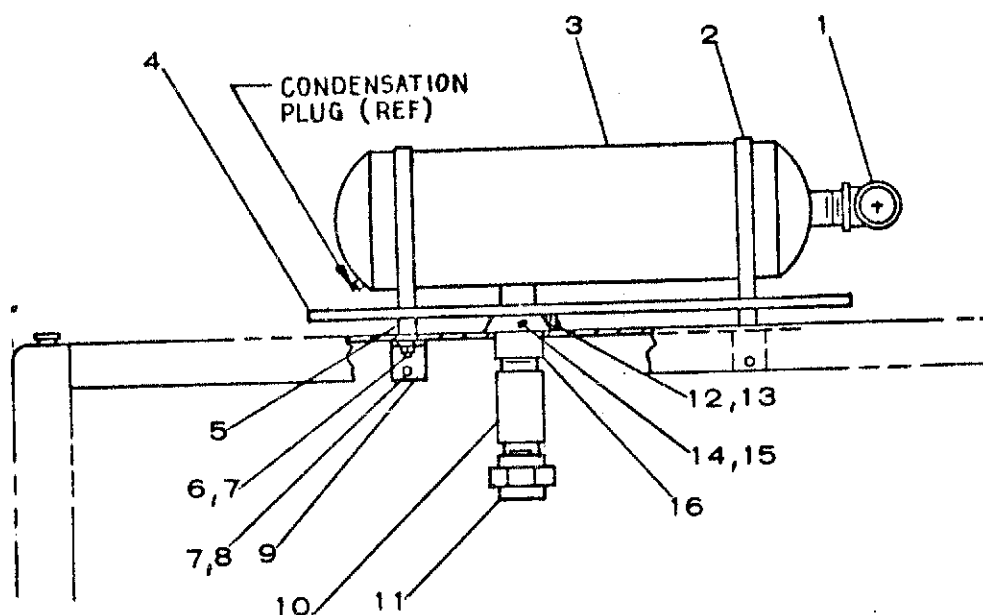
REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	130-0796	1	Exchanger, Heat	18	504-0003	1	Valve, Drain (1/4")
2	130-0805	1	Bracket, Heat Exchanger	19	800-0004	5	Screw, Cap - Hex Head (1/4-20 x 5/8" Lg)
3	130-0819	1	Bracket, Heat Exchanger Mounting	20	850-0040	6	Washer, Lock - Spring (1/4")
4	130-0802	2	Strap, Heat Exchanger Mounting	21	862-0001	6	Nut, Hex (1/4-20)
5	503-0441	2	Hose, Radiator (1-3/4" ID)	22	800-0026	3	Screw, Cap - Hex Head (5/16-18 x 3/4" Lg)
6		1	Hose (Order 8" of Bulk Hose #503-0356)	23	850-0045	3	Washer, Lock - Spring (5/16")
7	307-0833	1	Valve, Solenoid	24	862-0015	3	Nut, Hex (5/16-18)
8	503-0311	6	Clamp, Hose	25	505-0462	1	Elbow, Street (1-1/2" x 90°)
9	505-0102	1	Nipple, Pipe (3/4")	26	505-0691	1	Elbow, Street (3/4" x 45°)
10	309-0241	1	Valve, Regulator (Marsh)	27	505-0021	1	Bushing, Reducer (3/4 x 1/2")
11	505-0129	1	Bushing, Reducer (1 x 3/4")	28	505-0100	1	Nipple, Pipe (1/2 x 1-1/2")
12	505-0444	1	Nipple, Half (1-1/2 x 2-3/4")	29	800-0012	1	Screw, Cap - Hex Head (1/4-20 x 2-1/4" Lg)
13	505-0628	2	Nipple, Half (1-1/2 x 3")	30	232-1197	1	Spacer (1-11/16" Lg)
14	505-0317	1	Tee (1-1/2")	31	331-0101	1	Hanger
15	505-0043	1	Elbow, Pipe (1-1/2" x 90°)	32	504-0005	1	Valve, Drain (1/8")
16	505-0424	1	Nipple, Pipe (1-1/2 x 16-1/2")	33	130-0785	1	Guard, Belt (Not Illustrated)
17	505-0426	1	Bushing, Reducer (1-1/2 x 1/4")				

WATER COOLED MANIFOLD INSTALLATION—



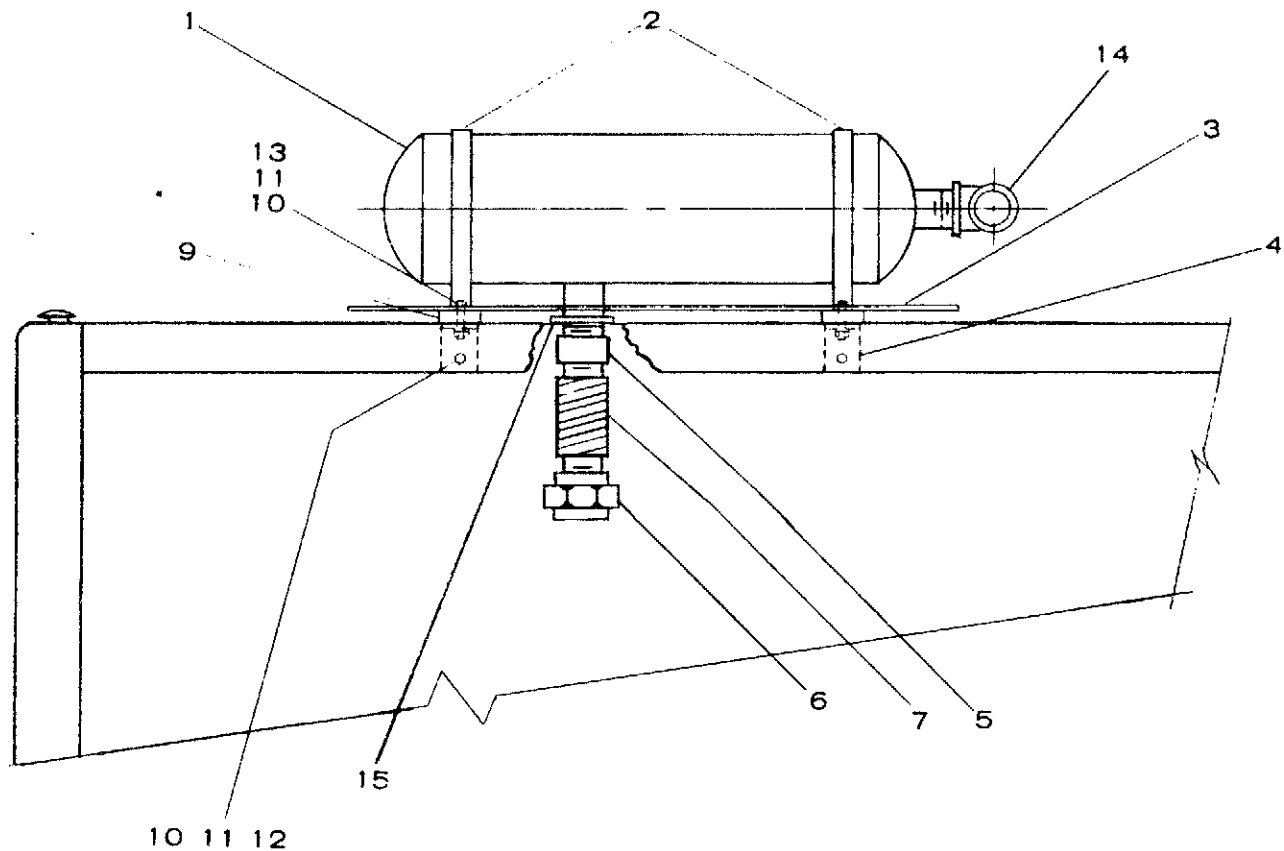
REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	154-0889	1	Manifold
2	130-0674	1	Water Line Assembly
3	502-0074	1	Elbow, Inverted Male (1/2" Tubing x 3/8 NPT)
4	502-0073	1	Elbow, Inverted Male (1/2" Tubing x 1/2 NPT)
5		1	Hose - 5/8" ID (Order 30' of Bulk Hose #503-0386)
6	503-0183	2	Clamp, Hose
7	505-0135	2	Nipple, Half (3/8 x 1-1/2" Lg)
8	505-0120	2	Elbow, Street (3/8 x 90°)
9	505-0207	1	Bushing, Pipe (2-1/2 x 2")
10	505-0172	1	Nipple, Pipe (2" x Close)
11	505-0175	1	Elbow, Pipe (2" x 90°)

EXHAUST MUFFLER INSTALLATION BEGIN SERIAL #K760188598 DURING SPEC J



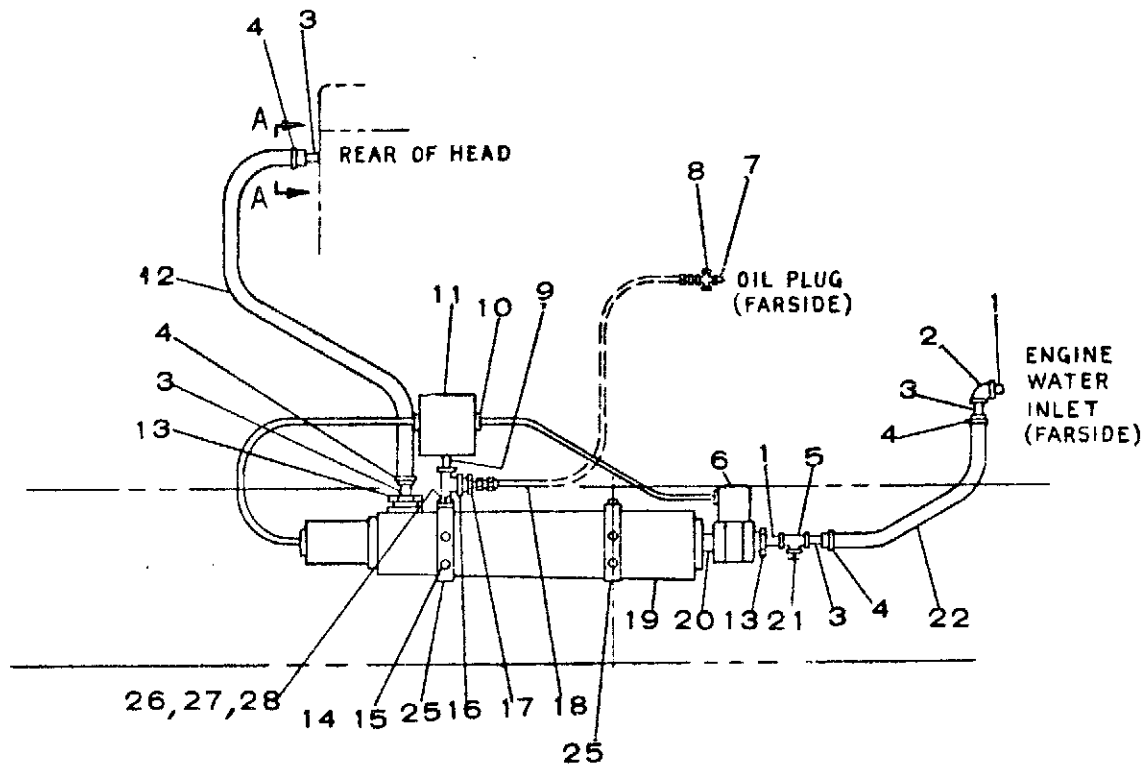
REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
	179-0367	1	Muffler Installation - Complete
1	505-0453	1	Elbow (3 x 90°)
2	140-0049	2	Band, Muffler Mounting
3	155-0988	1	Muffler, Exhaust
4	155-0978	1	Shield, Muffler Heat
5	155-1430	4	Spacer, Muffler
6	800-0037	4	Screw, Cap - Hex Head (5/16-18 x 3" lg)
7	870-0048	10	Nut, Self Locking Hex (5/16-18)
8	800-0026	6	Screw, Cap - Hex Head (5/16-18 x 3/4" lg)
9	155-0789	2	Bracket, Muffler Support
10	155-1591	1	Tube, Exhaust
11	505-0454	1	Union, Pipe (2")
12	813-0105	2	Screw, Machine - Round Head (#10-32 x 1" lg)
13	870-0188	1	Nut, Self Locking Hex (#10-32)
14	155-1420	1	Shield, Rain (2")
15	895-0157	1	Asbestos
16	505-0203	1	Coupling (2")

EXHAUST MUFFLER INSTALLATION PRIOR TO SERIAL #K760188598 DURING SPEC J



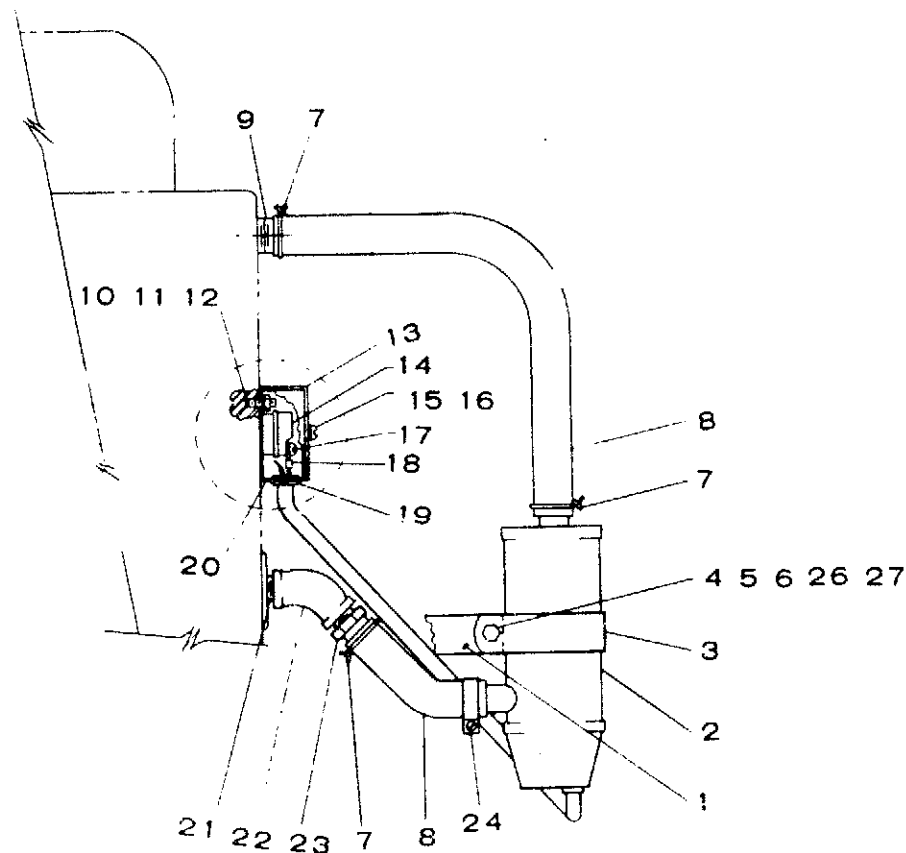
REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	155-0988	1	Muffler
2	140-0649	2	Band
3	155-0978	1	Shield, Heat
4	155-0789	2	Support
5	505-0203	1	Coupling, Pipe (2")
6	505-0454	1	Union, Pipe (2")
7	155-1115	1	Tube Assembly, Exhaust
9	526-0172	4	Spacer
10	862-0015	10	Nut, Hex (5/16-18)
11	850-0045	10	Washer, Lock - Spring (5/16")
12	800-0026	6	Screw, Cap - Hex Head (5/16-18 x 3/4")
13	800-0028	4	Screw, Cap - Hex Head (5/16-18 x 1")
14	505-0453	1	Elbow, Pipe (3" x 90°)
15	155-1383	1	Shield, Rain (2-1/2" ID)

WATER JACKET HEATER (115 VOLT) **BEGIN SERIAL #A780293797 DURING SPEC J**



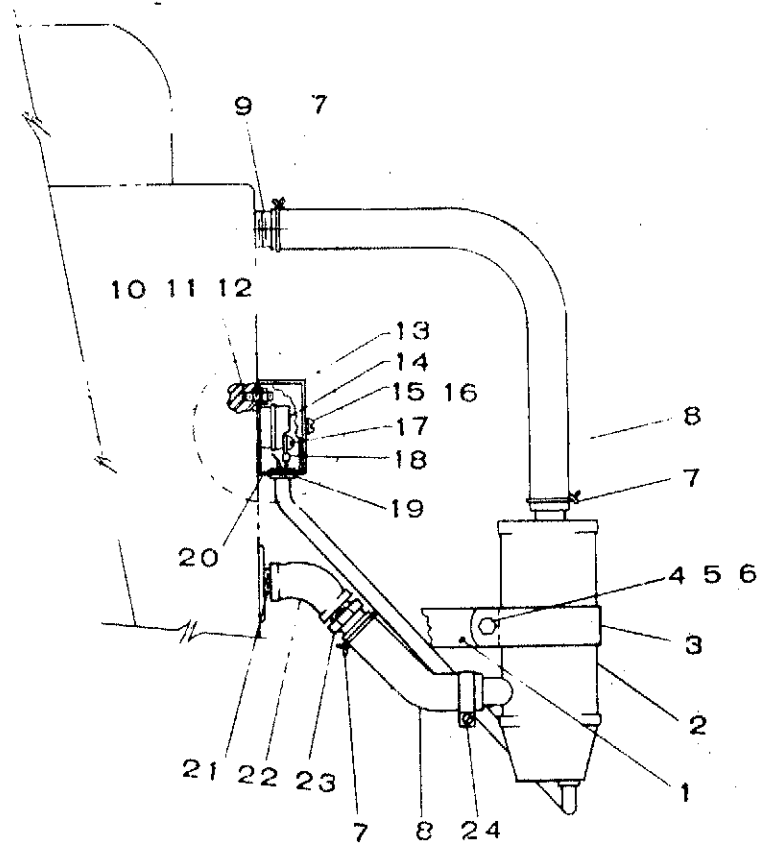
REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
	179-2057	1	Heater, Water Jacket - Complete
1	505-0101	2	Nipple, Pipe (3/8" x 1")
2	505-0039	1	Elbow (90° x 3/8")
3	505-0135	4	Nipple, Half (3/8" x 1-1/2")
4	503-0183	4	Clamp, Hose
5	505-0060	1	Tee, Pipe (3/8")
6	309-0304	1	Thermostat (ON at 80° F - OFF at 100° F)
7	505-0098	1	Nipple, Pipe (1/8" x 3/4")
8	505-0763	1	Cross, Pipe (3/8)
9	505-0099	1	Nipple, Pipe (1/4" x 7/8")
10	508-0008	2	Grommet, Rubber
11	309-0307	1	Switch, Oil Pressure
12		1	Hose (Order by length Bulk Hose #503-0386)
13	505-0455	2	Bushing, Reducer (1" x 3/8")
14	821-0016	4	Screw, Cap - Locking Head (5/16-18 x 3/4" lg)
15	870-0257	4	Nut, Hex - Self Locking (#5/16-18)
16	333-0142	1	Support, Pressure Switch
17	505-0007	1	Bushing, Reducer (1/4" x 1/8")
18	501-0225	1	Line, Flexible
19	333-0158	1	Heater (2000 Watt)
20	505-0004	1	Nipple, Pipe (1" x 1-1/2")
21	504-0028	1	Cock, Drain (3/8")
22		1	Hose (Order by length, Bulk Hose #503-0386)
23	332-0149	2	Terminal - NOT ILLUSTRATED
24	323-0957	2	Connector - Wire Nut - NOT ILLUSTRATED
25	130-1192	2	Bracket, Water Heater Mounting
26	800-0007	4	Screw, Cap - Hex Head (1/4-20 x 1" lg)
27	850-0040	4	Washer, Lock - Spring (1/4")
28	862-0001	4	Nut, Hex (1/4-20)

WATER JACKET HEATER INSTALLATION (120 VOLT) PRIOR TO SERIAL #A780293797 DURING SPEC J



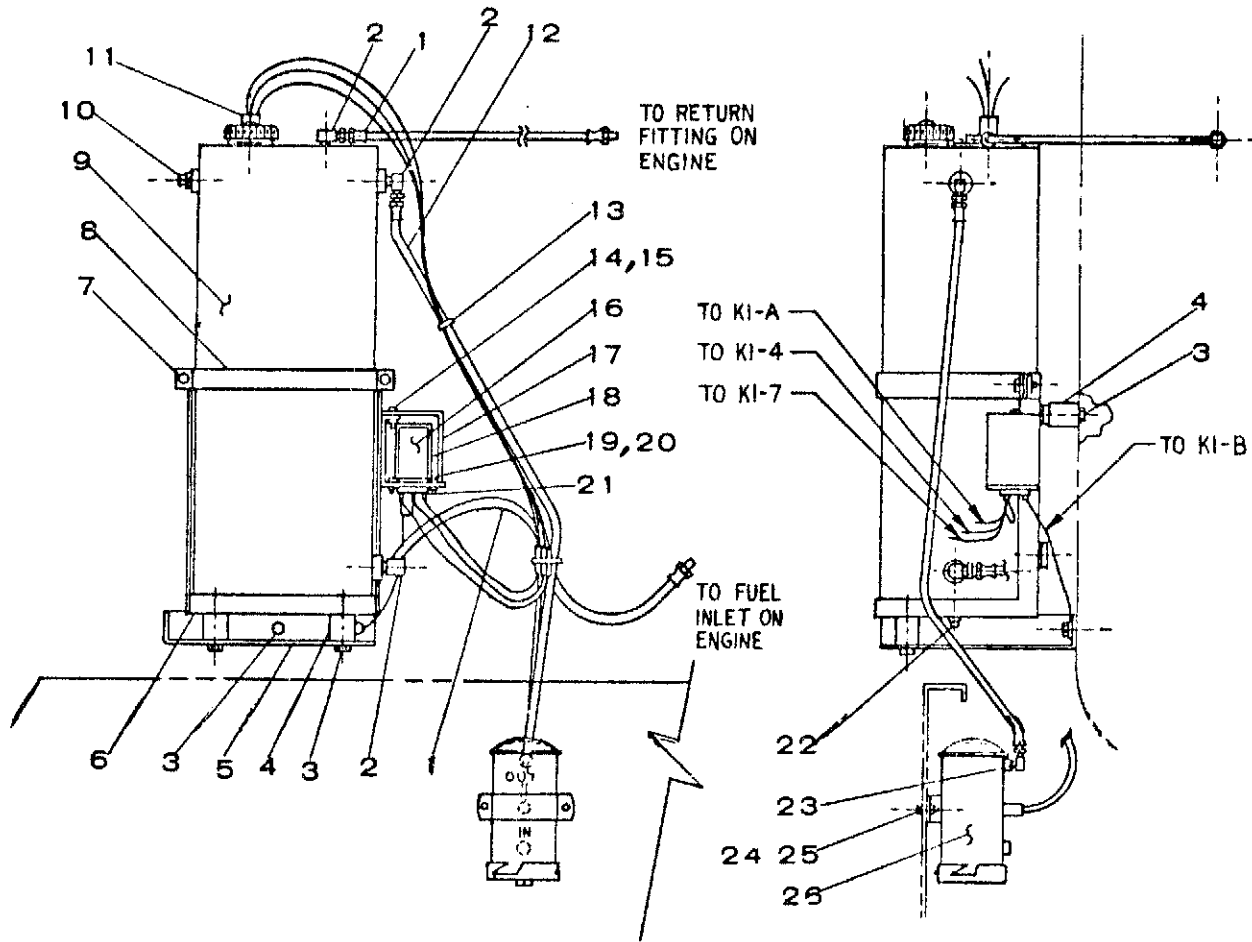
REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	130-0755	1	Bracket, Water Heater	15	850-0025	2	Washer, Lock - Spring (#8)
2	333-0052	1	Heater, Engine	16	812-0076	2	Screw, Machine - Round Head (8-32 x 5/16" Lg)
3	(Part of Item 2)		Clamp	17	(Part of Item 14)		Screw
4	800-0030	1	Screw, Cap - Hex Head - (5/16-18 x 1-1/4" Lg)	18	332-0149	1	Terminal, Crimp
5	850-0045	1	Washer, Lock - Spring (5/16)	19	508-0008	1	Grommet, Rubber
6	862-0015	1	Nut, Hex (5/16-18)	20	333-0012	1	Box, Thermostat
7	503-0197	3	Clamp, Hose	21	505-0071	1	Nipple, Pipe (1/4 x 2" Lg)
8		1	Hose, Water (Order 36" of Bulk Hose #503-0386)	22	505-0112	1	Elbow (1/4 x 45°)
9	505-0135	1	Nipple, Half (3/8 x 1-1/2")	23	(Part of Item 2)		Adapter
10	520-0446	2	Stud	24	503-0183	1	Clamp, Hose (For Draining)
11	850-0030	2	Washer, Lock - Spring (#10)	25	(Part of Item 2)		Tag, Form #24A046 (On Cover)
12	870-0053	2	Nut, Hex (10-32)	26	526-0030	2	Washer, Flat (13/32" ID x 7/8" OD x 1/8" Thk)
13	333-0013	1	Cover, Thermostat Box	27	856-0008	2	Washer, Lock (EIT)
14	309-0106	1	Switch, Thermostat				

WATER JACKET HEATER INSTALLATION (208/240 VOLT) OPTIONAL



REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	130-0755	1	Bracket, Water Heater
2	333-0073	1	Heater, Engine
3	(Part of Item 2)		Clamp
4	800-0030	1	Screw, Cap - Hex Head (5/16-18 x 1-1/4" Lg)
5	850-0045	1	Washer, Lock - Spring (5/16")
6	862-0015	1	Nut, Hex (5/16-18)
7	503-0197	3	Clamp, Hose
8		1	Hose, Water (Order 36" of Bulk Hose #503-0386)
9	505-0135	1	Nipple, Half (3/8 x 1-1/2")
10	332-0672	2	Stud
11	850-0030	2	Washer, Lock - Spring (#10)
12	870-0053	2	Nut, Hex (10-32)
13	333-0056	1	Cover, Thermostat Box
14	309-0256	1	Switch, Thermostat
15	850-0025	2	Washer, Lock - Spring (#8)
16	812-0076	2	Screw (8-32 x 5/16" Lg)
17	(Part of Item 14)		Screw
18	332-0149	1	Terminal, Crimp
19	508-0008	1	Grommet, Rubber
20	333-0057	1	Box, Thermostat
21	505-0071	1	Nipple, Pipe (1/4 x 2" Lg)
22	505-0112	1	Elbow (1/4 x 45°)
23	(Part of Item 2)		Adapter
24	503-0183	1	Clamp, Hose (For Draining)
25	(Part of Item 2)		Tag, Form #240A046 (On Cover)

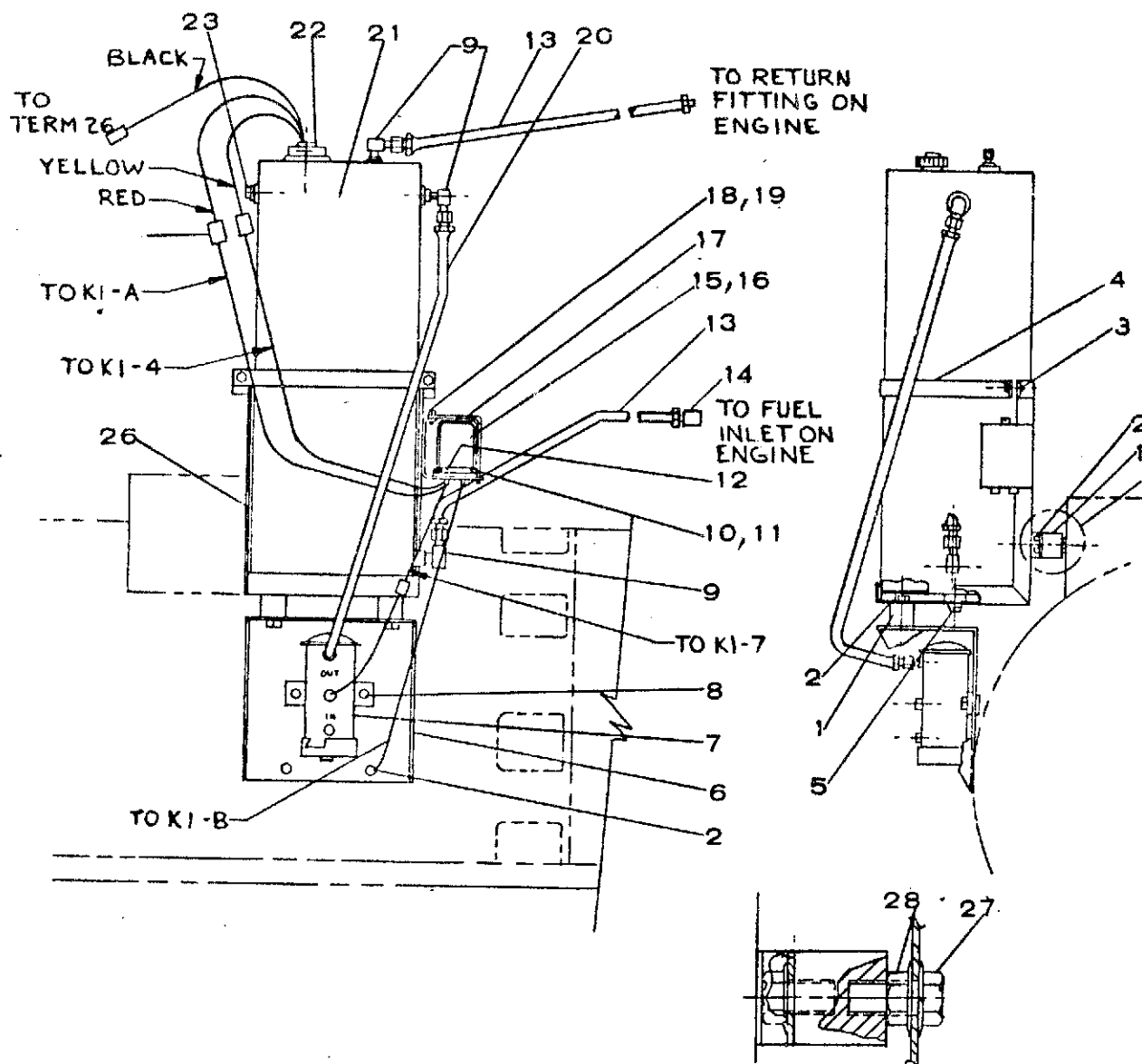
DAY (FUEL) TANK INSTALLATION (UNHOUSED SETS) BEGIN SERIAL #A780293797 DURING SPEC J



REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
	179-0465	1	Day Tank Installation - Complete
1	501-0007	2	Line, Flexible Fuel (24" lg)
2	502-0041	3	Elbow, Inverted Male
3	821-0014	10	Screw, Cap - Locking Head (5/16-18 x 1/2" lg)
4	402-0078	4	Dampener, Vibration
5	403-1118	1	Bracket, Day Tank Mounting
6	415-0324	1	Bracket, Day Tank Mounting
7	821-0013	2	Screw, Cap - Locking Head (1/4-20 x 1" lg)
8	415-0323	1	Strap, Day Tank Mounting
9	415-0325	1	Tank, Day
10	505-0054	1	Plug, Square Head (1/4")
11	415-0335	1	Switch Assembly, Tank Float
12	501-0008	1	Line, Flexible Fuel
13	332-0942	2	Tie, Cable

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
14	813-0098	1	Screw, Machine - Round Head (#10-32 x 3/8" lg)
15	850-0030	1	Washer, Lock - Spring (#10)
16	307-1058	1	Relay (12 Volt)
17	415-0326	1	Cover, Day Tank Control
18	307-1157	1	Spring, Relay Hold-down
19	870-1183	2	Nut, Hex (#6-32)
20	812-0061	2	Screw, Machine - Round Head (#6-32 x 3/8" lg)
21	323-0897	1	Socket, Relay (Includes Leads)
22	505-0110	1	Plug, Square Head
27	502-0020	1	Elbow, Street (90° x 1/8")
24	821-0018	2	Screw, Cap - Locking Head (1/4-20 x 5/8" lg)
25	870-0212	2	Nut, Hex - Self Locking (1/4-20)
26	149-0554	1	Pump, Electric Fuel (See Separate Group for Components)

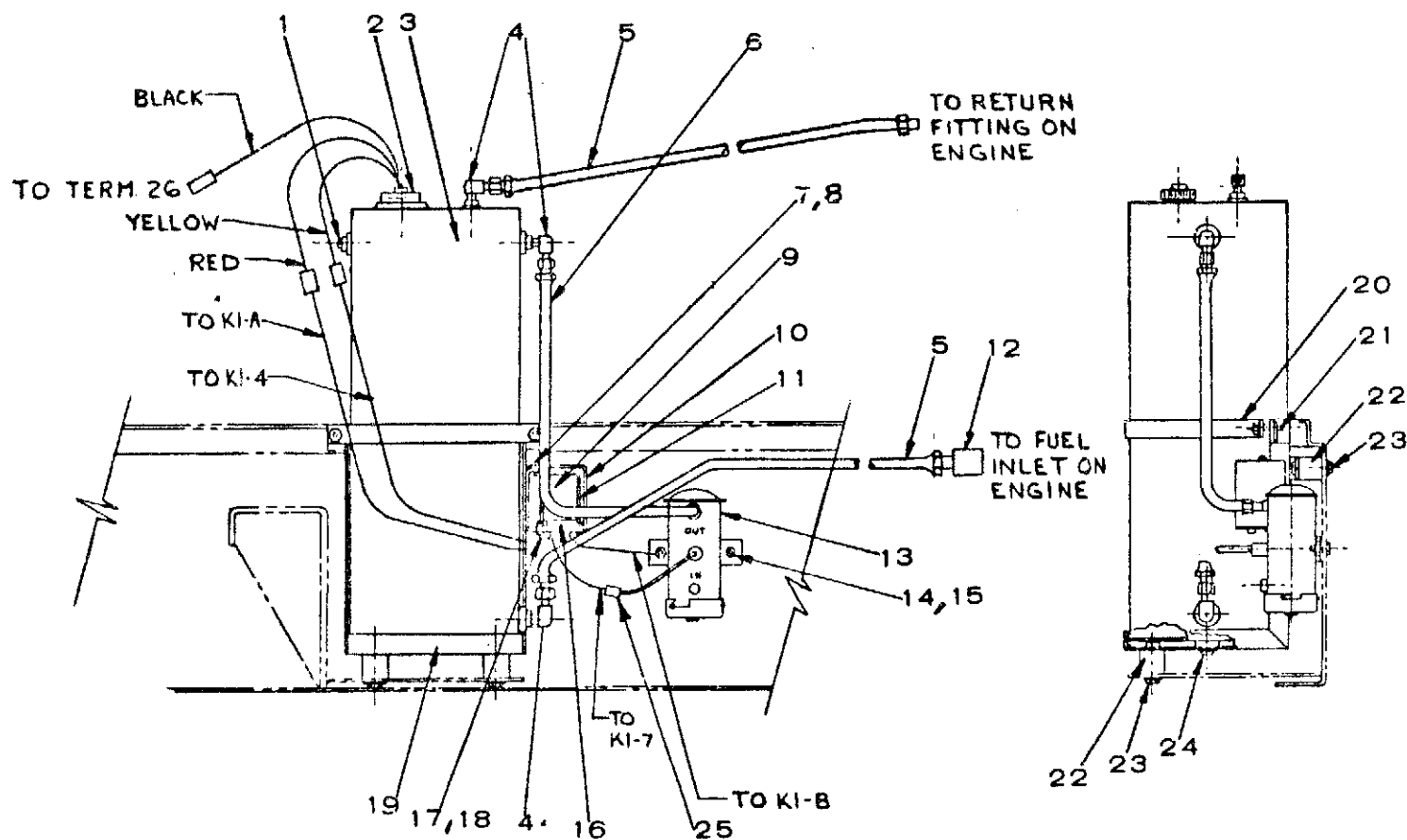
**DAY (FUEL) TANK INSTALLATION (HOUSED SETS)
BEGIN SERIAL #A780293797 DURING SPEC J**



REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
	179-1034	1	Day Tank Installation - Complete
1	402-0078	4	Dampener, Vibration
2	821-0014	8	Screw, Cap - Locking Head (5/16-18 x 1/2" lg)
3	821-0013	2	Screw, Cap - Locking Head (1/4-20 x 1" lg)
4	415-0323	1	Strap, Day Tank Mounting
5	505-0110	1	Plug, Square Head (3/8")
6	130-1005	1	Bracket, Day Tank
7	149-0554	1	Pump, Electric Fuel (See Separate Group for Components)
8	821-0018	2	Screw, Cap - Locking Head (1/4-20 x 5/8" lg)
9	502-0041	3	Elbow, Inverted Male
10	870-1183	2	Nut, Hex (#6-32)
11	812-0061	2	Screw, Machine - Round Head (#6-32 x 3/8" lg)
12	323-0897	1	Socket, Relay (Includes Leads)

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
13	501-0008	2	Line, Flexible Fuel
14	502-0051	1	Coupling
15	307-1058	1	Relay, 12 Volt
16	307-1157	1	Spring, Relay Hold-down
17	415-0326	1	Cover, Day Tank Control
18	813-0098	1	Screw, Machine - Round Head (#10-32 x 3/8" lg)
19	850-0030	1	Washer, Lock - Spring (#10)
20	501-0015	1	Line, Flexible Fuel
21	415-0325	1	Tank, Day
22	415-0335	1	Switch Assembly, Tank Float
23	505-0054	1	Plug, Square Head
24	332-0529	4	Terminal, Faston
25	332-0556	4	Connector
26	415-0324	1	Bracket, Day Tank
27	821-0016	2	Screw, Cap - Locking Head (5/16-18 x 3/4" lg)
28	870-0048	2	Nut, Hex - Self Locking (5/16-18)

DAY (FUEL) TANK INSTALLATION **PRIOR TO SERIAL #A780293797 DURING SPEC J**



REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
	179-0441	1	Day Tank Installation - Complete
1	505-0054	1	Plug, Square Head (1/4")
2	415-0335	1	Switch Assembly, Tank Float
3	415-0325	1	Tank, Day
4	502-0041	3	Elbow, Inverted Male
5	501-0008	2	Line, Flexible Fuel
6	501-0015	1	Line, Flexible Fuel
7	813-0098	1	Screw, Machine - Round Head (#10-32 x 3/8" lg)
8	850-0020	1	Washer, Lock - Spring (#10)
9	307-1058	1	Relay, 12 Volt
10	415-0326	1	Cover, Day Tank Control
11	307-1157	1	Spring, Relay Hold-down
12	502-0051	1	Coupling
13	149-0554	1	Pump, Electric Fuel (See Separate Group for Components)
14	821-0018	2	Screw, Cap - Locking Head (1/4-20 x 5/8" lg)
15	870-0212	2	Nut, Hex - Self Locking (1/4-20)
16	323-0897	1	Socket, Relay (Includes Leads)
17	870-1183	2	Nut, Hex (#6-32)
18	812-0061	2	Screw, Machine - Round Head (#6-32 x 3/8" lg)
19	415-0324	1	Bracket, Day Tank Mounting
20	415-0323	1	Strap, Day Tank Mounting
21	821-0013	2	Screw, Cap - Locking Head (1/4-20 x 1" lg)
22	402-0078	4	Dampener, Vibration
23	821-0014	8	Screw, Cap - Locking Head (5/16-18 x 1/2" lg)
24	505-0110	1	Plug, Square Head (3/8")
25	332-0529	As Req	Terminal, Crimp