

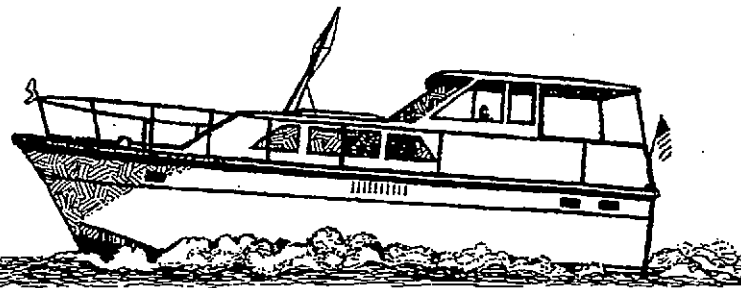
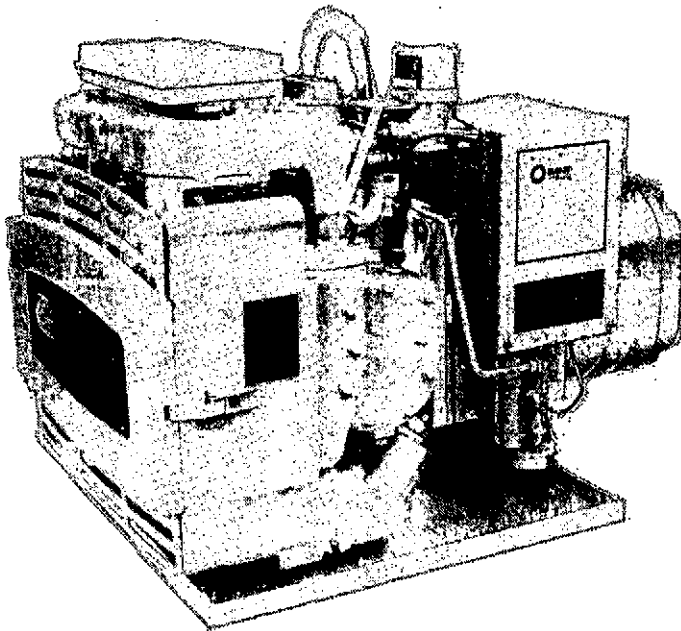


parts catalog

for series

MCCK

**marine electric
generating sets**



FORM NUMBER

Printed in U.S.A.

ISSUE DATE

GENERAL INFORMATION

INSTRUCTIONS FOR ORDERING REPAIR PARTS

INFORMATION ON THIS PAGE INCLUDED FOR OWNERS WHO HAVE PURCHASED THIS CATALOG.

For parts or service, contact the dealer from whom you purchased this equipment or refer to your Nearest Authorized Onan Parts and Service Center.

To avoid errors or delay in filling your parts order, please furnish all information requested:

Always refer to the nameplate on your unit:

1. Always give the MODEL and SPEC NO. and SERIAL NO.

Onan [®]	
ELECTRIC GEN SET	
MODEL AND SPEC NO	
[]	
SERIAL NO []	
IMPORTANT. ALWAYS GIVE ABOVE NOS. WHEN ORDERING PARTS	
AC VOLTS []	PH []
KVA []	KW []
PF []	AMPS [] Hz []
DC VOLTS []	AMPS []
WATTS []	
RPM []	BAT []
MANUFACTURED BY ONAN DIVISION OF ONAN CORPORATION MINNEAPOLIS MINNESOTA U.S.A. FOR ELECT. EQUIPMENT ONLY	

For handy reference, insert "YOUR" nameplate information in the spaces above.

2. Do not order by reference number or group number; always use part number and description.
3. Give the part number, description and quantity needed of each item. If an older part cannot be identified, return the part prepaid to your dealer or nearest AUTHORIZED SERVICE STATION. Print your name and address plainly on the package. Write a letter to the same address stating the reason for returning the part.
4. State definite shipping instructions. Any claim for loss or damage to your unit in transit should be filed promptly against the transportation company making the delivery. Shipments are complete unless the packing list indicates items are back ordered.

Prices are purposely omitted from this Parts Catalog due to the confusion resulting from fluctuating costs, import duties, sales taxes, exchange rates, etc.

For current parts prices, consult your Onan Dealer, Distributor or Parts and Service Center.

"En esta lista de partes los precios se omiten de proposito, ya que bastante confusion resulto de fluctuaciones de los precios, derechos aduanales, impuestos de venta, cambios extranjeros, etc."

Consiga los precios vigentes de su distribuidor de productos "ONAN".

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PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
		Control - 0 - Matic Controls			

SPECIAL PARTS LIST FOR MODEL 4.0MCCK-1A SPEC 1D
FOR STANDARD PARTS REFER TO CATALOG 927-0221 KEY NO. 1
(PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)
WIRING DIAGRAM NO. 613-0007-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
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Control - 0 - Matic Control

Dated Sept 1, 1978

Revised _____

Page 1 of 1

WIRING DIAGRAM NO. 611-1060-01

[illegible]

SPECIAL PARTS LIST FOR **MODEL** 5.5MCCK-51A **SPEC** 1D
FOR STANDARD PARTS REFER TO **CATALOG** 927-0221 **KEY NO.** 2
(PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)

WIRING DIAGRAM NO. 613-0007-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
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Control - 0 - Matic Control

FOR STANDARD PARTS REFER TO CATALOG 927-0221 KEY NO. 2
(PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)

WIRING DIAGRAM NO. 611-1060-01

[illegible]

SPECIAL PARTS LIST FOR **MODEL** 6.5MCCK-1A **SPEC** 1D
 FOR STANDARD PARTS REFER TO **CATALOG** 927-0221 **KEY NO.** 2
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)
WIRING DIAGRAM NO. 613-0007-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
		Control - 0 - Matic Control			

SPECIAL PARTS LIST FOR MODEL 6.5MCCK-3CR SPEC 1D
FOR STANDARD PARTS REFER TO CATALOG 927-0221 KEY NO. 2
(PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)
WIRING DIAGRAM NO. 611-1060-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION

SPECIAL PARTS LIST FOR **MODEL** 3.5MCCK-51A **SPEC** 1E
 FOR STANDARD PARTS REFER TO **CATALOG** 927-0221 **KEY NO.** 1
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)
WIRING DIAGRAM NO. 613-0009-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
		Control - 0 - Matic Controls			

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION

SPECIAL PARTS LIST FOR **MODEL** 4.0MCCK-1A **SPEC** 1E
 FOR STANDARD PARTS REFER TO **CATALOG** 927-0221 **KEY NO.** 1
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)
WIRING DIAGRAM NO. 613-0009-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
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Control - 0 - Matic Control

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A12

Page

1

1

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WIRING DIAGRAM NO. 611-1096-01

[illegible]

SPECIAL PARTS LIST FOR **MODEL** 5.5MCCK-51A **SPEC** 1E
FOR STANDARD PARTS REFER TO **CATALOG** 927-0221 **KEY NO.** 2
(PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)

WIRING DIAGRAM NO. 613-0009-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
		Control - 0 - Matic Control			

FOR STANDARD PARTS REFER TO CATALOG 927-0221 KEY NO. 2
(PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)

WIRING DIAGRAM NO. _____

[illegible]

SPECIAL PARTS LIST FOR **MODEL** 6.5MCCK-1A **SPEC** 1E
FOR STANDARD PARTS REFER TO **CATALOG** 927-0221 **KEY NO.** 2
(PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)
WIRING DIAGRAM NO. 613-0009-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
		Control - 0 - Matic Control			

WIRING DIAGRAM NO. 611-1096-01

[illegible]

SPECIAL PARTS LIST FOR **MODEL** 3.5MCCK-51A **SPEC** 1F
FOR STANDARD PARTS REFER TO **CATALOG** 927-0221 **KEY NO.** 1
(PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)

WIRING DIAGRAM NO. 613-0009-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
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Control - 0 - Matic Controls

SPECIAL PARTS LIST FOR **MODEL** 3.5MCCK-53CR **SPEC** 1F

FOR STANDARD PARTS REFER TO **CATALOG** 927-0221 **KEY NO.** 1

(PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)

WIRING DIAGRAM NO. 611-1096-02

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION

Dated Sept 1, 1978

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PARTS LIST FOR MODEL 4.0MCCCK-1A SPEC 1F
FOR STANDARD PARTS REFER TO CATALOG 967-0221 KEY NO. 1

(PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)

WIRING DIAGRAM NO. 613-0009-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
		Control - 0 - Matic Control			

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B7

SPECIAL PARTS LIST FOR **MODEL** 4.0MCCK-3CR **SPEC** 1F
FOR STANDARD PARTS REFER TO **CATALOG** 927-0221 **KEY NO.** 1
(PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)
WIRING DIAGRAM NO. 611-1096-02

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION

WIRING DIAGRAM NO. 611-1096-02

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION

Sept 1, 1978

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B10

WIRING DIAGRAM NO. 613-0000-01

Control - 0 - Matic Control

(PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)

WIRING DIAGRAM NO. 613-0009-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
		Control - 0 - Matic Controls			

SPECIAL PARTS LIST FOR **MODEL** 3.5MCCK-53CR **SPEC** 1G

FOR STANDARD PARTS REFER TO CATALOG 927-0221 KEY NO. 1

(PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)

WIRING DIAGRAM NO. 611-1143-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION

(PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)

WIRING DIAGRAM NO. 613-0009-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
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Control - 0 - Matic Control

(PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)

WIRING DIAGRAM NO. 611-1143-01

[illegible]

SPECIAL PARTS LIST FOR MODEL 5.5MCKK-51A SPEC 1G
FOR STANDARD PARTS REFER TO CATALOG 927-0221 KEY NO. 2
(PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)

WIRING DIAGRAM NO. 613-0009-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
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Control - 0 - Matic Control

FOR STANDARD PARTS REFER TO **CATALOG** 927-0221 **KEY NO.** 2
(PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)

PART NO.	QTY.	DESCRIPTION

WIRING DIAGRAM NO. 613-0009-01

Control - 0 - Matic Control

SPECIAL PARTS LIST FOR MODEL 6.5MCCK-3CR SPEC 1G
 FOR STANDARD PARTS REFER TO CATALOG 927-0221 KEY NO. 2
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)
 WIRING DIAGRAM NO. 611-1143-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION

(PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)

WIRING DIAGRAM NO. 613-0007-01

Control - 0 - Matic Controls
Heat Exchanger Cooling

(PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)

WIRING DIAGRAM NO. 611-1060-01

Heat Exchanger Cooling

SPECIAL PARTS LIST FOR **MODEL** 4.0MCCK-1A **SPEC** 2268D
 FOR STANDARD PARTS REFER TO **CATALOG** 927-0221 **KEY NO.** 1
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)
WIRING DIAGRAM NO. 613-0007-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
		Control - 0 - Matic Control Heat Exchanger Cooling			

SPECIAL PARTS LIST FOR **MODEL** 4.0MCCK-3CR **SPEC** 2268D
 FOR STANDARD PARTS REFER TO **CATALOG** 927-0221 **KEY NO.** 1
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)
WIRING DIAGRAM NO. 611-1060-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
		Heat Exchanger Cooling			

SPECIAL PARTS LIST FOR **MODEL** 5.5MCCK-51A **SPEC** 2268D
 FOR STANDARD PARTS REFER TO **CATALOG** 927-0221 **KEY NO.** 2
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)
WIRING DIAGRAM NO. 613-0007-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
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Control - 0 - Matic Control Heat Exchanger Cooling					
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Sept 1, 1978

Revised

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SPECIAL PARTS LIST FOR **MODEL** 5.5MCCK-53CR **SPEC** 2268D
 FOR STANDARD PARTS REFER TO **CATALOG** 927-0221 **KEY NO.** 2
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)

WIRING DIAGRAM NO. 611-1060-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
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Heat Exchanger Cooling

Sept 1, 1978

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C13

SPECIAL PARTS LIST FOR **MODEL** 6.5MCCK-1A **SPEC** 2268D
FOR STANDARD PARTS REFER TO **CATALOG** 927-0221 **KEY NO.** 2
(PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)
WIRING DIAGRAM NO. 613-0007-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
		Control - 0 - Matic Control Heat Exchanger Cooling			

SPECIAL PARTS LIST FOR MODEL 6.5MCCK-3CR SPEC 2268D
FOR STANDARD PARTS REFER TO CATALOG 927-0221 KEY NO. 2
(PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)

WIRING DIAGRAM NO. 611-1060-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
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Heat Exchanger Cooling

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D2

SPECIAL PARTS LIST FOR **MODEL** 4.0MCCK-1A **SPEC** 2268E
 FOR STANDARD PARTS REFER TO **CATALOG** 927-0221 **KEY NO.** 1
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)
WIRING DIAGRAM NO. 613-0009-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
		Control - 0 - Matic Control Heat Exchanger Cooling			

SPECIAL PARTS LIST FOR MODEL 5.5MCCK-53CR SPEC 2268E

FOR STANDARD PARTS REFER TO CATALOG 927-0221 KEY NO. 2

(PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)

WIRING DIAGRAM NO. 611-1096-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
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Heat Exchanger Cooling

SPECIAL PARTS LIST FOR **MODEL** 6.5MCCK-1A **SPEC** 2268E
 FOR STANDARD PARTS REFER TO **CATALOG** 927-0221 **KEY NO.** 2
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)
WIRING DIAGRAM NO. 613-0009-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
		Control - 0 - Matic Control Heat Exhcanger Cooling			

SPECIAL PARTS LIST FOR **MODEL** 6.5MCCK-3CR **SPEC** 2268E
 FOR STANDARD PARTS REFER TO **CATALOG** 927-0221 **KEY NO.** 2
 (PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)
WIRING DIAGRAM NO. 611-1096-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
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Heat Exchanger Cooling

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D10

WIRING DIAGRAM NO. 613-0009-01

Control - 0 - Matic Controls
Heat Exchanger Cooling

SPECIAL PARTS LIST FOR **MODEL** 3.5MCCK-53CR **SPEC** 2268F
FOR STANDARD PARTS REFER TO **CATALOG** 927-0221 **KEY NO.** 1
(PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)

WIRING DIAGRAM NO. 611-1096-02

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
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Heat Exchanger Cooling

Dated Sept 1, 1978

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SPECIAL PARTS LIST FOR MODEL 4.0MCCK-1A SPEC 2268F

FOR STANDARD PARTS REFER TO CATALOG 967-0221 KEY NO. 1

(PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)

WIRING DIAGRAM NO. 613-0009-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
		Control - 0 - Matic Control			
		Heat Exchanger Cooling			

SPECIAL PARTS LIST FOR **MODEL** 4.0MCCK-3CR **SPEC** 2268F
FOR STANDARD PARTS REFER TO **CATALOG** 927-0211 **KEY NO.** 1
(PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)

WIRING DIAGRAM NO. 611-1096-02

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
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Heat Exchanger Cooling

SPECIAL PARTS LIST FOR MODEL 5.5MCCK-51A SPEC 2200R
FOR STANDARD PARTS REFER TO CATALOG 927-0221 KEY NO. 2
(PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)

WIRING DIAGRAM NO. 613-0009-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
		Control - 0 Matic Control Heat Exchanger Cooling			

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WIRING DIAGRAM NO. 613-0009-01

1

FOR STANDARD PARTS REFER TO CATALOG 927-0221 KEY NO. 1
(PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)

WIRING DIAGRAM NO. 611-1143-01

Heat Exchanger Cooling

WIRING DIAGRAM NO. 613-0009-01

Control - 0 - Matic Control
Heat Exchanger Cooling

SPECIAL PARTS LIST FOR MODEL 5.5MCCK-51A SPEC 2268G

FOR STANDARD PARTS REFER TO CATALOG 927-0221 KEY NO. 2

(PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)

WIRING DIAGRAM NO. 613-0009-01

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
		Control - 0 - Matic Control Heat Exchanger Cooling			

PART NO.	QTY.	DESCRIPTION	PART NO.	QTY.	DESCRIPTION
		Control - 0 - Matic Control Heat Exchanger Cooling			

(PARTS CATALOG ALSO CONTAINS COMPONENTS FOR MAJOR OPTIONAL FEATURES LISTED BELOW)

WIRING DIAGRAM NO. 611-1143-01

Heat Exchanger Cooling

6.5MCCCK-1A
 MODEL 4.0MCCCK-1A SPEC. 8596C

SUPPLEMENTARY PARTS LIST 900- 43 (per above model and spec.)
 Parts listed below apply to the above model. Use these parts in
 place of (or in addition to) the parts listed for Parts Key See NOTE
 in the standard parts catalog No. 927-350

PART NO.	QUAN.	DESCRIPTION
NOTE: This plant is Heat Exchanger Cooled. Use parts Key 1 for 4.0 MCCCK-1A and Key 2 for 6.5MCCCK-1A		
517P87	1	Plug, Water Line
503-495	1	Hose, Heat Exchanger - 22" Long
503-494	1	Hose, Heat Exchanger - 30" Long
503-459	1	Hose, Exhaust Manifold - 9" Long
503-547	1	Clamp, Hose
416A133	1	Cable, Jumper
501A4	1	Line, Fuel
201-1317	1	Armature Assy., - Incl. Brg. & Blower (For 4.0MCCCK-1A)
201-1313	1	Armature Assy. - Incl. Brg, & Blower (For 6.5MCCCK-1A)
222-1639	1	Coil Assy., Field - Set of 4 Coils (For 6.5MCCCK-1A)
222-1640	1	Coil Assy., Field - Set of 4 Coils (For 4.0MCCCK-1A)
301B3222	1	Panel, Control Box
301A305 ⁹	1	Bracket, Resistor Mtg.
332A557	1	Block Terminal - 4 Place
332A554	1	Strip, Block Marker - 4 Place



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927-0221
MCCK PARTS CATALOG

INTRODUCTION

This catalog applies to the standard MCCK Generator Sets as listed below. Parts are arranged in groups of related items. Each illustrated part is identified by a reference number corresponding to the same reference number in the parts list for that group. Parts illustrations are typical. Using the *Model* and *Spec No.* from the nameplate, select the *Parts Key No.* (1, 2, etc., in the last column) that applies to your set *Model* and *Spec No.* This *Parts Key No.* represents parts that differ between models. Unless otherwise mentioned in the description, parts are interchangeable between models. Right and left sides are determined by facing the engine end (front) of the set.

GENERATING SET DATA TABLE

£ MODEL NO. AND SPECIFICATION	ELECTRICAL DATA					PARTS KEY NO.
	WATTS	VOLTS	HERTZ	WIRE	PHASE	
† 4.0MCCK-1R/* 4.0MCCK-1A/* +4.0MCCK-2R/* 4.0MCCK-2A/* +4.0MCCK-3R/* 4.0MCCK-3A/* 4.0MCCK-3CR/*	4000 4000 4000 4000	120 240 120/240 120/240	60 60 60 60	2 2 3 §	1 1 1 1	1
3.5MCCK-51R/* 3.5MCCK-51A/* +3.5MCCK-52R/* 3.5MCCK-52A/* +3.5MCCK-53R/* 3.5MCCK-53A/* 3.5MCCK-53CR/*	3500 3500 3500 3500	120 240 120/240 120/240	50 50 50 50	2 2 3 §	1 1 1 1	1
6.5MCCK-1R/* 6.5MCCK-1A/* +6.5MCCK-2R/* 6.5MCCK-2A/* +6.5MCCK-3R/* 6.5MCCK-3A/* 6.5MCCK-3CR/* 6.5MCCK-4R/*	6500 6500 6500 6500 6500	120 240 120/240 120/240 120/208	60 60 60 60 60	2 2 3 § 4	1 1 1 1 3	2
5.5MCCK-51R/* 5.5MCCK-51A/* +5.5MCCK-52R/* 5.5MCCK-52A/* +5.5MCCK-53R/* 5.5MCCK-53A/* 5.5MCCK-53CR/*	5500 5500 5500 5500	120 240 120/240 120/240	50 50 50 50	2 2 3 §	1 1 1 1	2

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

£ - New model designations shown, begin during 1969. Previous designations did not use a decimal point in the KW rating. EXAMPLE: 4.0MCCK was formerly 4MCCK, 3.5MCCK was formerly 305MCCK, etc.

† - Units with "A" in designation have set mounted "Control-O-Matic".

+ - Not manufactured beginning Spec D.

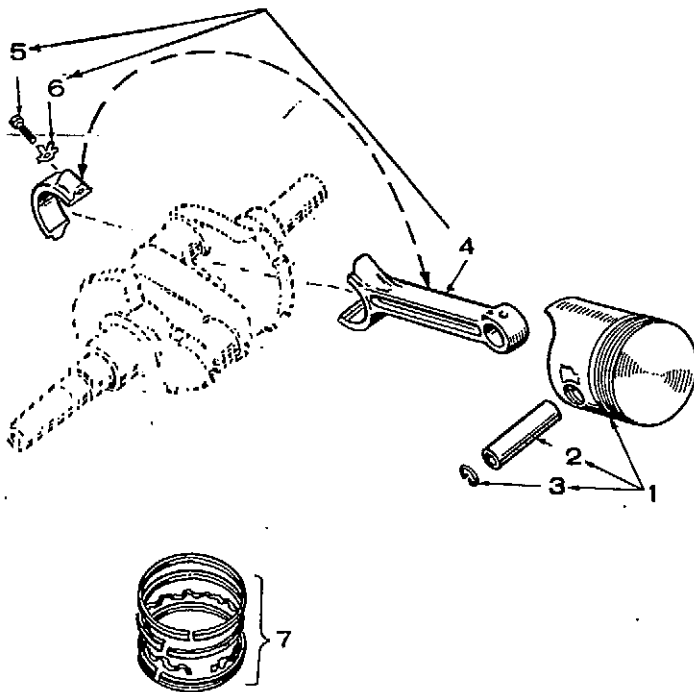
§ - Set is reconnectable for 120 volt 2 wire, 240 volt 2 wire or 120/240 volt 3 wire service.

NOTE: Hertz is a unit of frequency equal to one cycle per second.

STANDARD PARTS SECTION

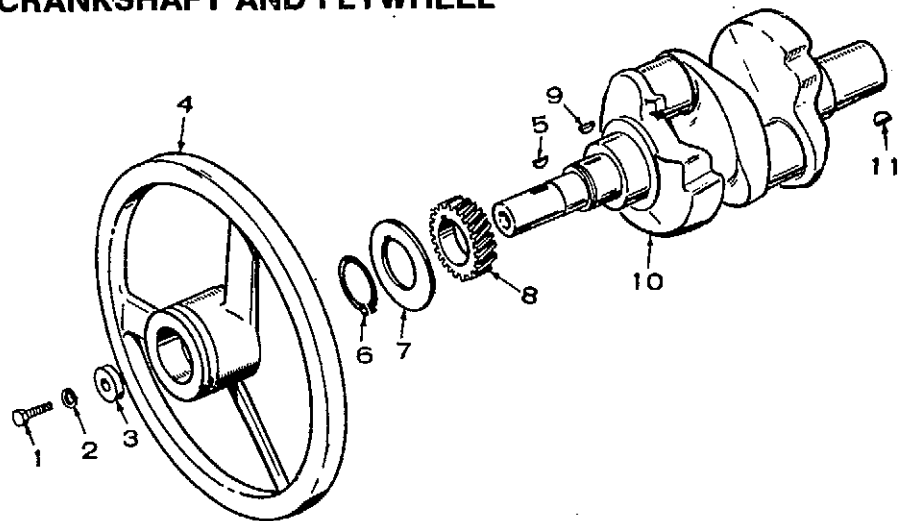
This section contains the illustrated parts listing for the standard generator sets listed in the Data Table.

PISTON AND CONNECTING ROD



REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	PISTON AND PIN (Includes Retaining Rings)		
	112-0136	2	Standard
	112-0136-05	2	.005" Oversize
	112-0136-10	2	.010" Oversize
	112-0136-20	2	.020" Oversize
	112-0136-30	2	.030" Oversize
	112-0136-40	2	.040" Oversize
2	PIN, PISTON		
	112-0069	2	Standard
3	112-0003	4	Ring, Retaining
4	ROD, CONNECTING		
	114-0098	2	Standard
	114-0098-02	2	.002" Undersize
	114-0098-10	2	.010" Undersize
	114-0098-20	2	.020" Undersize
	114-0098-30	2	.030" Undersize
5	110-0284	4	Screw, Cap - Hex Head (5/16-18 x 1-1/2")
6	114-0059	4	Washer, Lock - External Tooth
7	RING SET, PISTON		
	113-0152	2	Standard
	113-0152-05	2	.005" Oversize
	113-0152-10	2	.010" Oversize
	113-0152-20	2	.020" Oversize
	113-0152-30	2	.030" Oversize
	113-0152-40	2	.040" Oversize

CRANKSHAFT AND FLYWHEEL



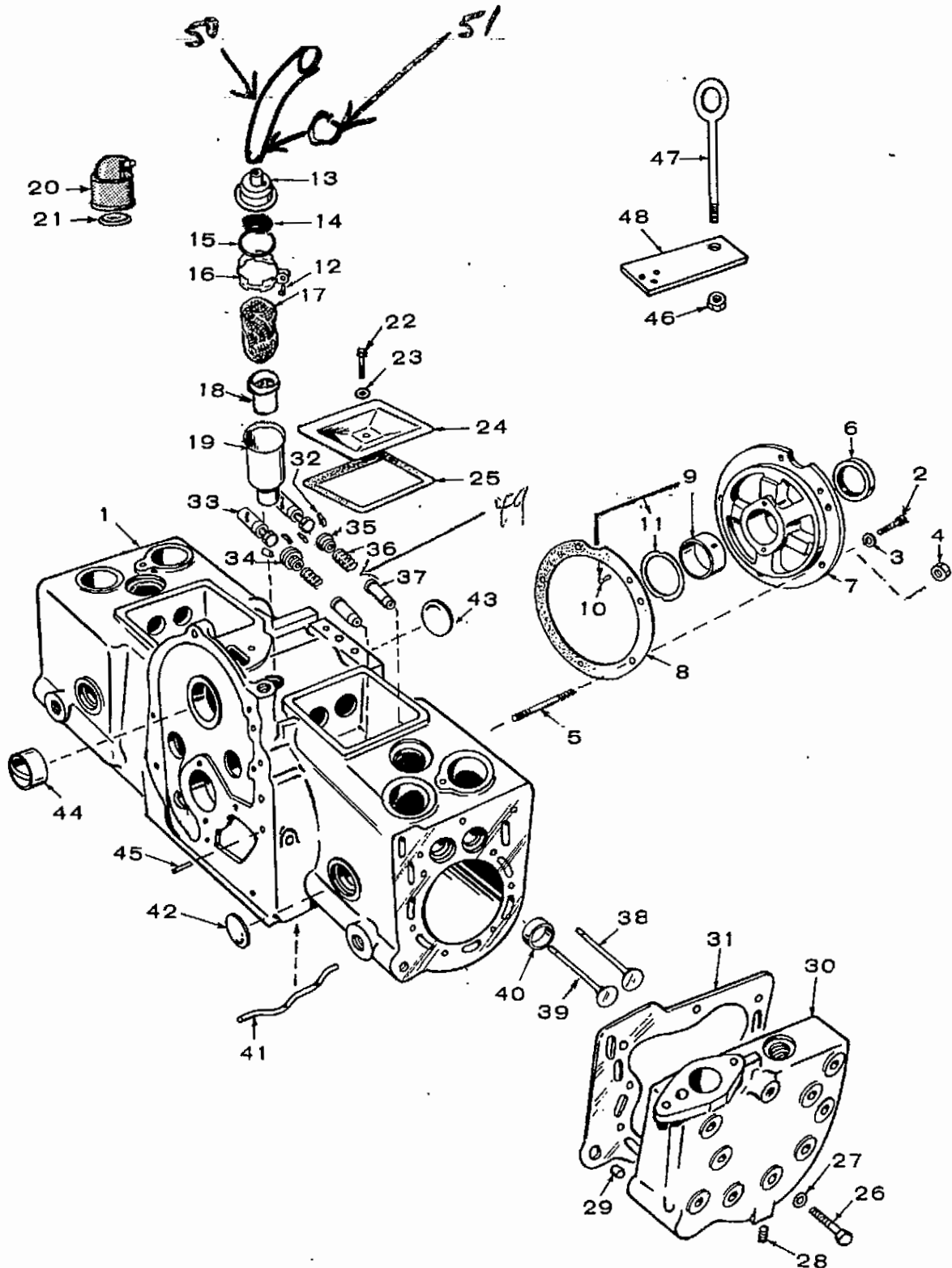
REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	104-0170	1	Screw, Cap - Hex Head (7/16-14 x 4-1/4")
2	850-0055	1	Washer, Lock - Spring (7/16)
3	526-0017	1	Washer, Flat (15/32" ID x 1-1/4" OD x 1/4" Thk)
4	104-0599	1	Flywheel
5	515-0227	1	Key Kit, Woodruff
6	518-0014	1	Ring, Retaining
7	104-0043	1	Washer, Flat - Keyed
8	104-0032	1	Gear, Crankshaft
9	515-0001	1	* Key, Woodruff

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
10	CRANKSHAFT (Includes parts marked X)		
	104-0882-1323	1	Spec A thru F
	104-0968-1346	1	Begin Spec G
11	515-0006	1	Key, Woodruff - Spec A thru F

12 515-0098 1 * Key

* - Parts included in 104-1323 & 104-1346

CYLINDER BLOCK



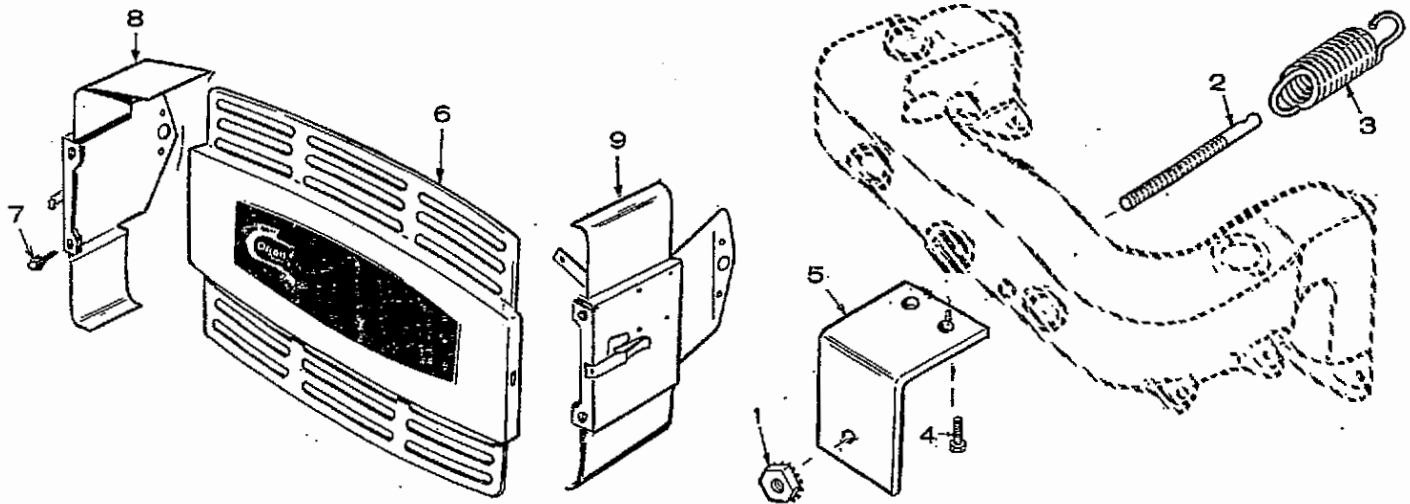
CYLINDER BLOCK

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	BLOCK ASSEMBLY, CYLINDER			24	110-0666	2	Cover, Valve
	110-2452	1	Spec A Only (Includes Parts Marked *)	25	110-0667	2	Gasket, Valve Cover
	110-2553	1	Begin Spec B (Includes Parts Marked †)	26	800-0509	18	Screw, Cap - Hex Head (5/16-18 x 2-1/2")
2	800-0512	5	† *Screw, Cap - Hex Head (5/16-18 x 1")	27	526-0122	18	Washer, Flat (11/32" ID x 23/32" OD x 0.134" Thk)
3	850-0045	5	† *Washer, Lock - Spring (5/16)	28	502-0153	2	Plug, Pipe (1/4)
4	110-0445	5	Nut, Hex - Rear Bearing Plate (Spec A through C)	29	517-0087	2	Plug, Pipe - Brass
5	520-0114	5	Stud - Rear Bearing Plate (Spec A through C)	30	HEAD, CYLINDER		
6	509-0041	1	Seal, Oil - Rear Bearing Plate		110-1478	1	#1, Left Side
7	101-0316	1	† *Plate, Bearing - Rear (Less Bearing)		110-1479	1	#2, Right Side
8	101-0115	1	† *Gasket Kit - Rear Bearing Plate		110-1505	1	#1, Left Side - Used with Heat Exchanger
9	BEARING, SLEEVE - CRANKSHAFT (INCLUDES THRUST WASHER)				110-1506	1	#2, Right Side - Used with Heat Exchanger
	101-0450	2	† *Standard	31	110-1481	2	Gasket, Cylinder Head
	101-0450-02	2	.002" Undersize	32	110-0639	8	Lock, Valve Stem
	101-0450-10	2	.010" Undersize	33	115-0006	4	Tappet, Valve
	101-0450-20	2	.020" Undersize	34	110-0904	2	Rotocap - Exhaust Valve Spring
	101-0450-30	2	.030" Undersize	35	110-0893	2	Retainer - Intake Valve Spring
10	516-0072	4	† *Pin, Dowel - Bearing Stop	36	110-0539	4	Spring, Valve
11	104-0575	2	† *Washer, Thrust - Bearing	37	110-0902	4	† *Guide, Valve
12	809-0035	1	Screw, Tapping - Round Head (#8 x 3/4")	38	110-0881	2	Valve, Intake - Steel
13	123-0954	1	Cap and Valve, Breather Tube - Begin Spec B	39	110-0880	2	Valve, Exhaust - Chrome Cobalt Alloy
14	123-0958	1	Screen, Breather Cap - Begin Spec B	40	INSERT, VALVE SEAT - EXHAUST		
15	509-0117	1	Gasket, Breather Cap - Begin Spec B		110-0872	2	† *Standard
16	123-0951	1	Clamp, Breather Cap - Begin Spec B		110-0872-02	2	.002" Oversize
17	123-0865	1	Filter, Breather Tube		110-0872-05	2	.005" Oversize
18	123-1153	1	Baffle, Breather Tube		110-0872-10	2	.010" Oversize
19	TUBE, BREATHER				110-0872-25	2	.025" Oversize
	123-0868	1	* Spec A Only	41	120-0386	1	† *Tube, Oil
	123-0953	1	† Begin Spec B	42	517-0011	8	† *Plug, Expansion (1-1/4")
20	123-0787	1	Cap, Breather Tube - Spec A Only	43	517-0048	1	† *Plug, Expansion (1-5/8")
21	123-0315	1	Valve Breather Tube - Spec A Only	44	101-0367	2	† *Bearing, Sleeve - Camshaft
22	800-0012	2	Screw, Cap - Hex Head (1/4-20 x 2-1/4")	45	516-0141	2	† *Pin, Dowel - Gear Cover Alignment
23	526-0063	2	Washer, Flat (17/64" ID x 7/16" OD x 1/32" Thk)	46	864-0005	1	Nut, Hex (1/2-13) - Lifting Eye - Spec A through C
				47	403-0580	1	Bolt, Eye (1/2-13 x 5") Spec A through C
				48	403-0832	1	Bracket, Support - Lifting (Spec A through C)

49 110-3136 2 *† Gasket, Intake Valve guide
 * - Included in 110-2452 Cylinder Block Assembly.
 † - Included in 110-2553 Cylinder Block Assembly.

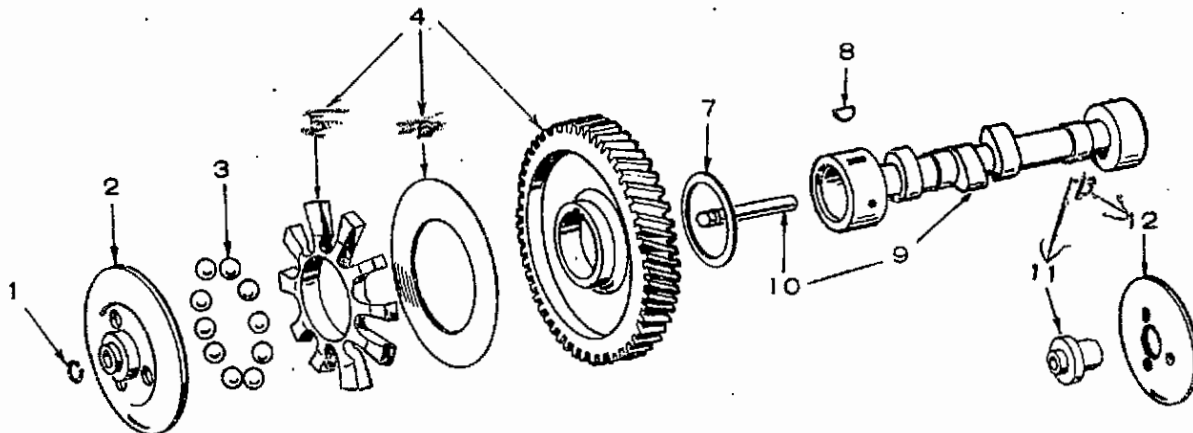
ER 4577
 50 503-0761 1 Hose, Breather
 51 502-0769 2 Clamp Breather Hose

HOUSING



REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	870-0131	1	Nut, Hex - With External Tooth Lockwasher (#10-32)
2	150-0147	1	Stud, Adjusting - Governor
3	150-0731	1	Spring - Governor
4	821-0010	2	Screw, Self-Locking - Hex Head (1/4-20 x 1/2")
5	150-1010	1	Bracket, Adjusting Stud
6	405-1556	1	Panel, Housing - Front
7	508-0136	4	Bumper, Rubber
8	405-1558	1	Panel, Housing - Left Side
9	405-1557	1	Panel, Housing - Right Side

CAMSHAFT

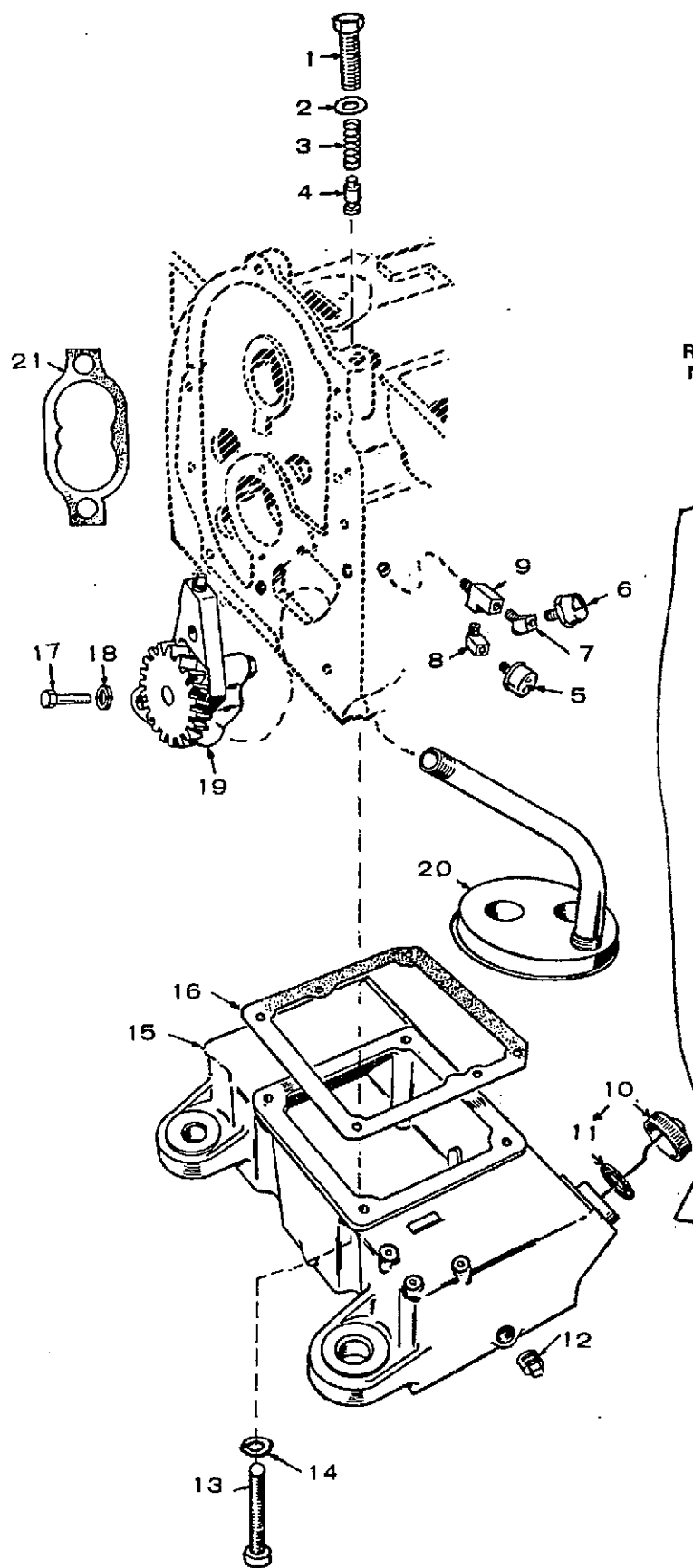


REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	150-0078	1	Ring, Camshaft Center Pin
2	150-1116	1	Cup, Governor - Spec A through F
3	510-0015	10	Ball, Fly - Governor
4	105-0332	1	Gear, Camshaft (Includes Spacer & Plate)
5	150-1257	1	Spacer, Governor Fly-Ball

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
6	150-0077	1	Plate, Governor Fly-Ball
7	105-0004	1	Washer, Camshaft Gear Thrust
8	515-0001	1	Key, Camshaft Gear Mounting
9	105-0140	1	Camshaft (Includes Center Pin)
10	150-0075	1	Pin, Camshaft Center
11	150-1519	1	Hub, Governor Cup - Begin Spec G
12	150-1520	1	Cup, Governor - Begin Spec G

12 150-1695 (Governor Cup Kit Includes Parts marked X)
 * - Parts included in 150-1695 governor cup kit.

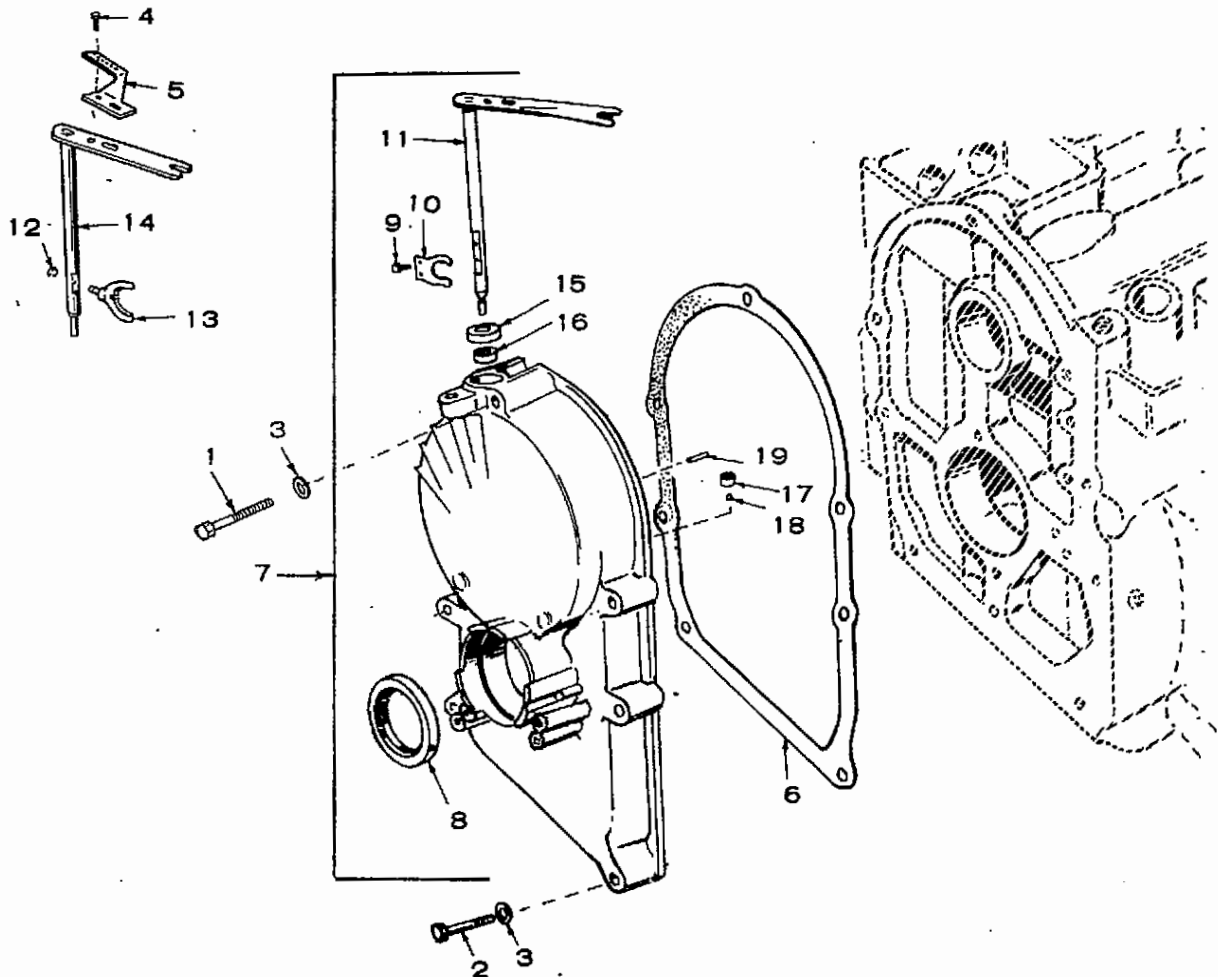
OIL SYSTEM



REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	801-0048	1	Screw, Cap - Hex Head (3/8-24 x 3/4")
2	526-0066	1	Washer, Flat - Copper (3/8")
3	120-0140	1	Spring, By-Pass Valve
4	120-0398	1	Valve, By-Pass
5	SWITCH, LOW OIL PRESSURE - 309-0169	1	Spec A through D
	309-0237	1	Spec E & F
	309-0319	1	Begin Spec G
6	193-0006	1	Gauge, Oil Pressure - Spec A through D
7	502-0053	1	Elbow, Pipe - 45° - Spec A through D
8	502-0020	1	Elbow, Pipe - 90° - Spec A through D
9	502-0058	1	Tee, Pipe - Spec A through D
10	123-0489	1	Cap and Indicator, Oil Fill
11	123-0191	1	Gasket - Oil Fill Cap
12	505-0056	1	Plug, Pipe - Square Head (1/2" NPT)
13	102-0455	4	Screw, Cap - Hex Head (Special Hardened, 3/8-16 x 1/4")
14	850-0050	4	Washer, Lock - Spring (3/8")
15	102-0574	1	Base, Oil
16	102-0158	1	Gasket, Oil Base
17	800-0007	2	Screw, Cap - Hex Head (1/4-20 x 1")
18	850-0040	2	Washer, Lock - Spring (1/4")
19	120-0491	1	Pump, Oil
20	120-0400	1	Cup, Oil Intake
21	120-0161	1	Kit, Gasket - Oil Pump

309-0183 1 12Tr with ConTurbo-A-matic!

GEARCASE



REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	800-0034	1	Screw, Cap - Hex Head (5/16-18 x 2-1/4")
2	800-0032	4	Screw, Cap - Hex Head (5/16-18 x 1-3/4")
3	526-0065	5	Washer, Flat - Copper (21/64" ID x 9/16" OD x 1/16" Thk)
4	815-0181	1	Screw, Tapping - Hex Head with External Tooth Lock-washer (#10-32 x 1/2")
5	EXTENSION, GOVERNOR ARM		
	150-1005	1	Spec A Only
	150-1073	1	Begin Spec B
6	103-0011	1	Gasket, Gearcase
7	GEARCASE ASSEMBLY (Includes the following Components as applicable)		
	103-0333	1	Spec A through D
	103-0386	1	Begin Spec E
8	509-0040	1	Seal, Oil - Crankshaft

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
9	815-0046	2	Screw, Machine - Pan Head, Cross-Recessed (#8-32 x 3/8") - Begin Spec E
10	150-1187	1	Yoke, Governor - Begin Spec E
11	150-1260	1	Arm and Shaft, Governor - Begin Spec E
12	518-0129	1	Ring, Retaining - Spec A through D
13	150-0620	1	Yoke, Governor - Spec A through D
14	150-1008	1	Arm and Shaft, Governor - Spec A through D
15	509-0008	1	Seal, Oil - Governor Shaft
16	510-0013	1	Bearing, Needle
17	510-0008	1	Bearing, Needle
18	510-0014	1	Ball, Bearing
19	516-0130	1	Pin, Roll - Governor Yoke Stop

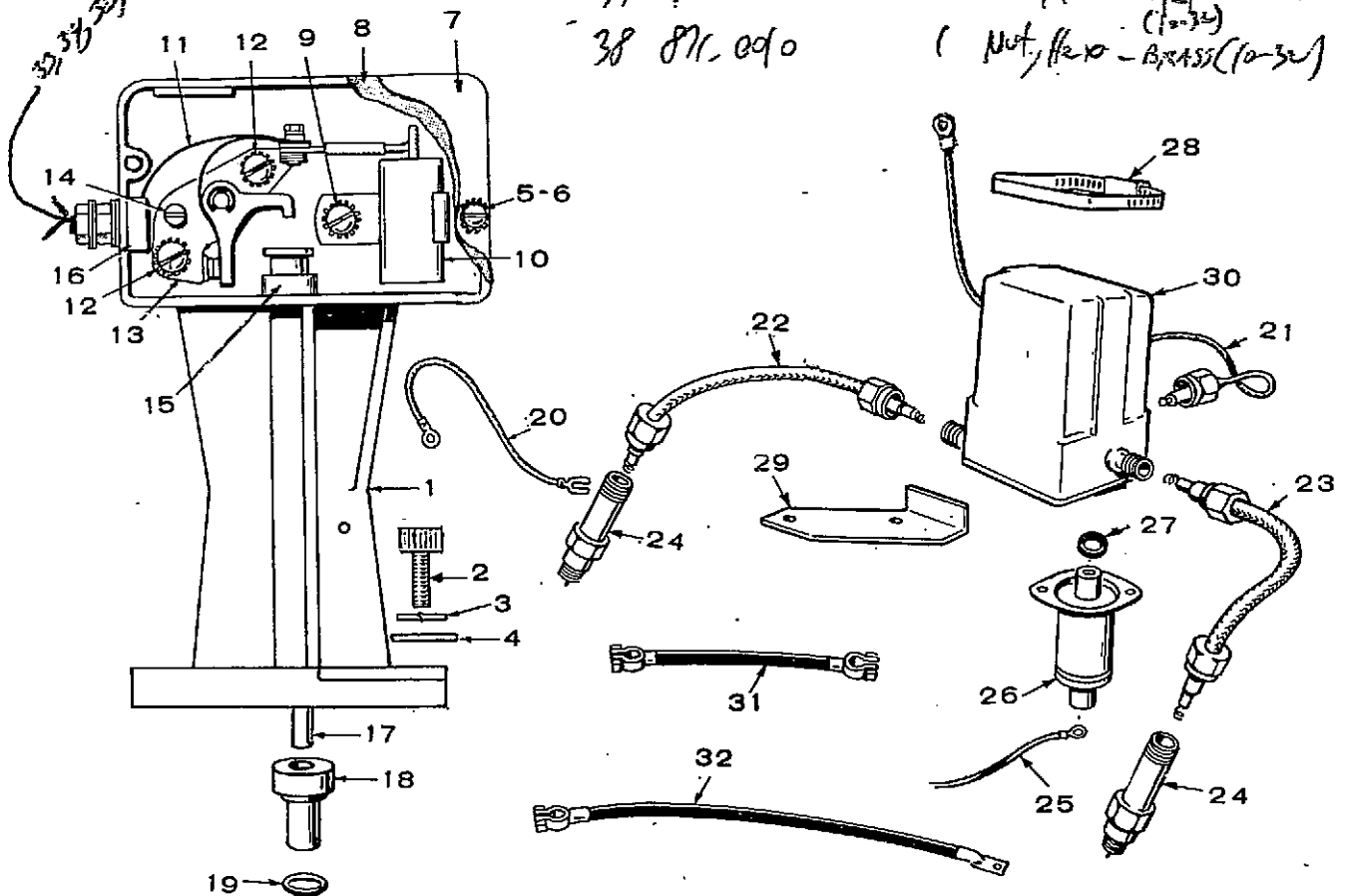
IGNITION SYSTEM

37. 872-0131

38 871, 000

(Nut, Hex - 1/2")

(Nut, Hex - Brass (10-32))



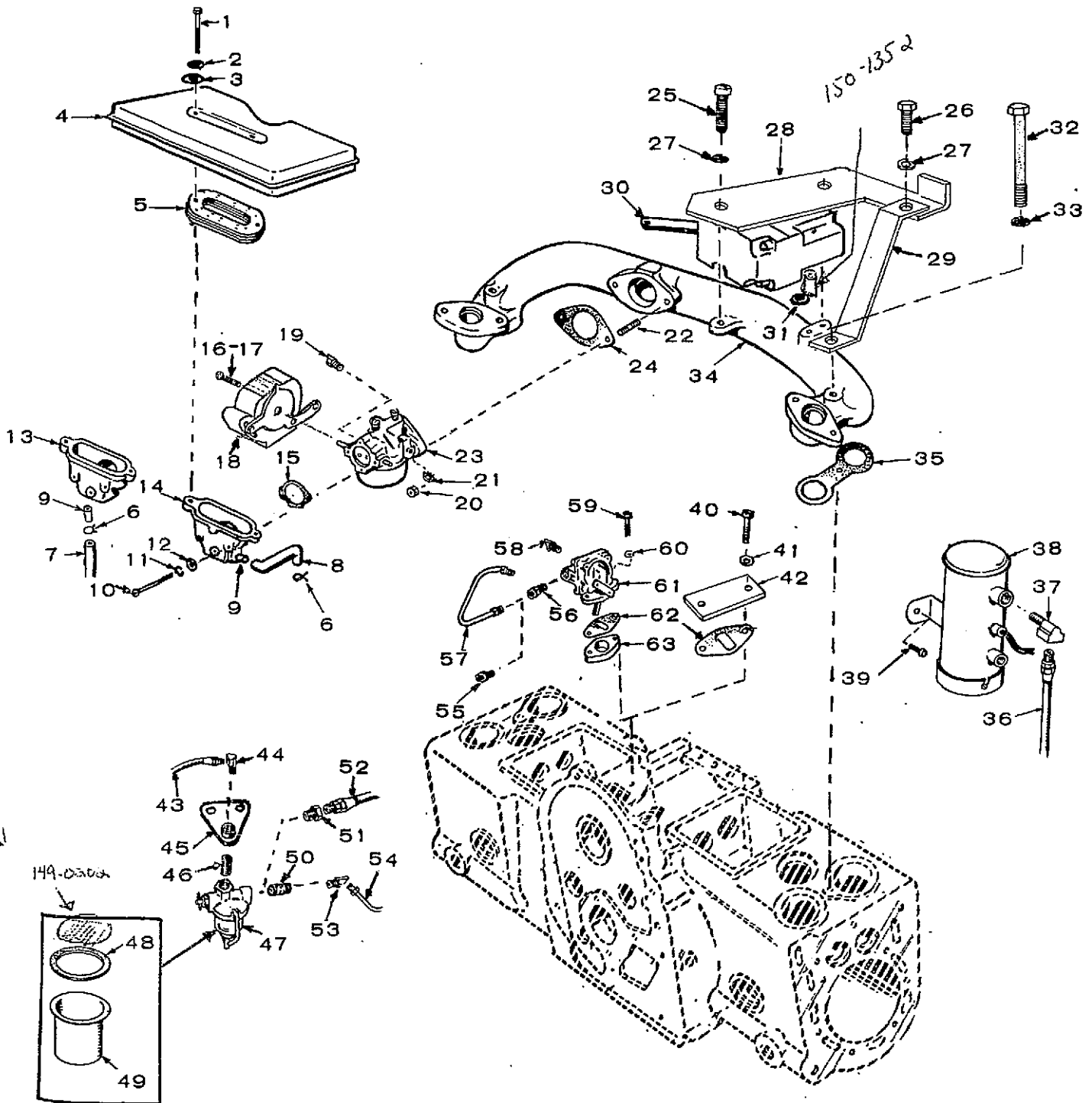
REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	160-1167	1	Box Assembly, Breaker (Includes Parts Marked †)
2	802-0035	2	Screw, Cap - Socket Head (1/4-20 x 7/8")
3	850-0040	2	Washer, Lock - Spring (1/4)
4	526-0214	2	Washer, Flat (17/64" ID x 1/2" OD x 1/16" Thk)
5	812-0077	2	†Screw, Machine - Round Head (#8-32 x 3/8")
6	856-0002	2	†Washer, Lock - External/Internal Tooth (#8)
7	160-0930	1	†Cover, Breaker Box
8	160-0440	1	†Gasket, Breaker Box Cover
9	815-0285	1	†Screw, Machine - Round Head, Cadmium Plate, With External Tooth Lockwasher (#8-32 x 5/16")
10	312-0069	1	†Capacitor, Ignition
11	160-0428	1	†Lead, Point Set to Terminal
12	815-0285	2	†Screw, Machine - Round Head, Cadmium Plate, With External Tooth Lockwasher (#8-32 x 5/16")
13	160-0002	1	†Point Set, Breaker
14	160-0075	1	†Pivot, Adjusting - Point Set
15	160-0931	1	†Guide, Plunger
16	160-0349	1	†Terminal Assembly - Breaker Box
17	160-0723	1	†Plunger - Breaker Box
18	160-1041	1	†Bushing - Breaker Box
19	160-1040	1	†Gasket, Breaker Box

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
20	337-0070	1	Strap, Ground
21	LEAD, ELECTRICAL, SHIELDED - Coil to Breaker Box		
	336-1569	1	Spec A through D
	336-1569	1	Begin Spec E - ER 9981
22	CABLE, ELECTRICAL, SHIELDED - Left Side Spark Plug		
	167-1480	1	Spec A through C
	167-1550	1	Begin Spec D 19 1/4"
23	CABLE, ELECTRICAL, SHIELDED - Right Side Spark Plug		
	167-1485	1	Spec A through C
	167-1549	1	Begin Spec D
24	167-0199	2	Plug, Spark - Shielded
25	336-0368	1	Lead, Electrical - Capacitor to Switch
26	312-0083	1	Capacitor, Ignition - Shielded
27	509-0102	1	Seal "O" Ring - Capacitor Mounting
28	503-0465	1	Clamp, Loop - Coil Mounting
29	BRACKET, MOUNTING - COIL		
	166-0407	1	Spec A through C
	166-0561	1	Begin Spec D
30	166-0382	1	Coil, Ignition
31	416-0133	1	Cable, Electrical - Battery Jumper
32	416-0077	2	Cable, Electrical - Battery (28")

† - Included in Breaker Box Assembly.

Ignition tune up
Kit (includes parts
marked X)

FUEL SYSTEM



FUEL SYSTEM

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	800-0720	2	Screw, Cap - Hex Head, Cres (1/4-20 x 2-1/4")	38	149-0650	1	*Pump, Fuel - Begin Spec F
2	850-0040	2	Washer, Lock - Spring (1/4)	39	821-0009	2	Screw, Self-locking - Hex Head (1/4-20 x 3/8") - Begin Spec F
3	526-0021	2	Washer, Flat (17/64" ID x 3/4" OD x 1/16" Thk)	40	800-0005	2	Screw, Cap - Hex Head (1/4-20 x 3/4")
4	RESONATOR			41	526-0063	2	Washer, Flat - Copper (1/4)
	140-0830	1	Spec A Only	42	149-0136	1	Cover Plate - Fuel Pump Mounting Hole - Begin Spec F
	140-0974	1	Begin Spec B	43	501-0004	1	Line, Fuel - Flexible - Filter Inlet
5	140-0802	1	Flame Arrestor	44	502-0002	1	Elbow, Pipe (90°) - Spec A through E
6	503-0170	2	Clamp, Hose	45	BRACKET, MOUNTING - FUEL FILTER		
7	503-0486	1	Hose, Breather (Spec A Only)		149-1187	1	Spec C and D
8	503-0546	1	Hose, Breather (Begin Spec B)		149-1311	1	Spec E Only
9	123-0893	1	Tube, Breather Hose to Adapter	46	502-0046	1	Nipple, Pipe - Close - Spec C through E (Inlet)
10	813-0108	2	Screw, Machine - Round Head (#10-32 x 1-1/2")	47	149-0282	1	Filter, Fuel - Spec A through E
11	850-0030	2	Washer, Lock - Spring (#10)	48	149-0149	1	Gasket, Filter Bowl - Spec A through E
12	526-0241	2	Washer, Flat (#10)	49	149-0313	1	Bowl, Filter - Spec A through E
13	140-0815	1	Adapter, Resonator - Spec A Only	50	NIPPLE, PIPE - CLOSE (Filter Outlet)		
14	140-0972	1	Adapter, Resonator - Begin Spec B		502-0061	1	Spec A Only
15	GASKET - ADAPTER TO CARBURETOR				502-0046	1	Spec B Only
	140-0585	1	Spec A Only	51	502-0003	1	Reducer, Pipe - Spec C with Flexible Lines
	140-0921	1	Begin Spec B	52	LINE, FUEL - FLEXIBLE (Filter to Pump)		
16	815-0226	2	Screw, Machine - Flat Head (#8-32 x 3/8") - Spec A Only		501-0007	1	Spec B Only
17	815-0161	2	Screw, Machine - Flat Head (#10-32 x 3/8") - Begin Spec B		501-0003	1	Spec C until Metal Line Used
18	153-0429	1	*Kit, Replacement - Electric Choke	53	502-0065	1	Elbow, Pipe (45°) - Spec C through F with Metal Line
19	502-0065	1	Elbow, Pipe (45°) - Carburetor Inlet	54	LINE, FUEL - METAL (Filter to Pump)		
20	868-0002	2	Nut, Hex (5/16-24)		149-1292	1	Spec C Only
21	854-0017	2	Washer, Lock - Internal Tooth (5/16)		149-1294	1	Spec D Only
22	520-0526	2	Stud - Carburetor Mounting		149-1344	1	Spec E Only
23	*CARBURETOR, GASOLINE - ELECTRIC CHOKE			55	502-0053	1	Elbow, Pipe (45°) - Spec C Only with Flexible Lines; Pump Inlet
	143-0323	1	#Spec A Only (Carter)	56	502-0003	1	Reducer, Pipe - Spec C through E with Metal Line; Pump Inlet
	141-0792	1	Spec A Replacement Kit (Includes a 141-0690 Zenith Carburetor)	57	LINE, FUEL - PUMP TO CARBURETOR		
	141-0690	1	Begin Spec B (Zenith)		149-1025	1	Spec A Only
24	141-0281	1	Gasket, Carburetor Mounting		149-1096	1	Spec B through E
25	813-0111	2	Screw, Machine - Round Head (#10-32 x 2-1/4")	58	ELBOW, PIPE - PUMP OUTLET		
26	813-0098	1	Screw, Machine - Round Head (#10-32 x 3/8")		502-0002	1	90°, Spec A Only
27	856-0003	3	Washer, Lock - External/Internal Tooth (#10)		502-0065	1	45°, Spec B through E
28	166-0561	1	Bracket - Coil and Booster Mounting	59	806-0009	2	Screw, Cap - Hex Head, Counterbore (1/4-20 x 1-1/4")
29	166-0571	1	Brace - Coil/Booster Bracket	60	526-0063	2	Washer, Flat - Copper (1/4)
30	150-1030	1	*Vacuum Speed Booster Kit	61	149-1393	1	*Pump, Fuel - Spec A through E
31	150-0425	1	Gasket - Vacuum Booster	62	GASKET		
32	800-0057	2	Screw, Cap - Hex Head (3/8-16 x 2-3/4")		149-0003	2	Spec A through E
33	850-0050	2	Washer, Lock - Spring (3/8")		149-0003	1	Begin Spec F
34	MANIFOLD, INTAKE			63	149-0045	1	Spacer, Pump - Spec A through E
	154-1164	1	Spec A through C				
	154-1897	1	Begin Spec D				
35	154-0013	2	Gasket, Manifold				
36	LINE, FUEL - PUMP TO CARBURETOR						
	149-1370	1	Spec F Only				
	149-1580	1	Begin Spec G				
37	502-0002	1	Elbow, Pipe (90°) - Pump Outlet - Begin Spec F				

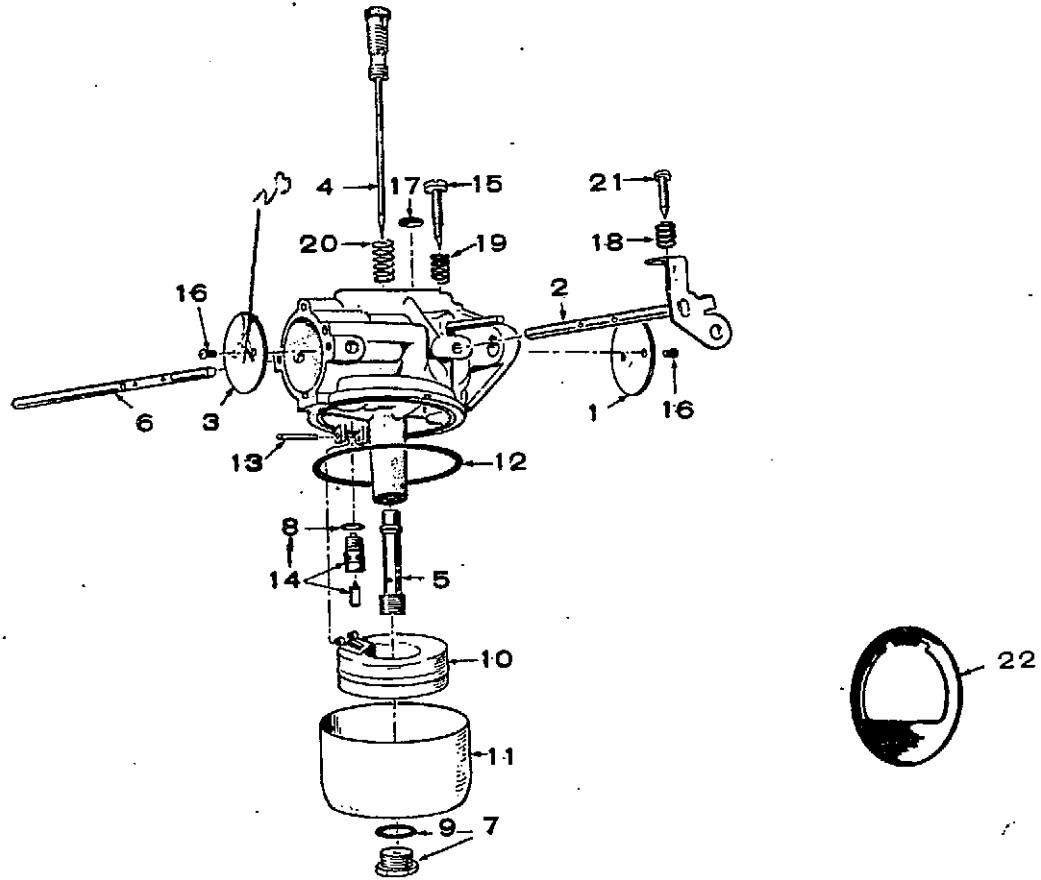
* - See Separate Group for Component Parts.

- The Carter Carburetors no longer available. For complete replacement order the applicable kit.

£ - Mounting Gasket supplied with new unit.

** - Replacement Kit, Carburetor order
141-0797 - Spec A only

CARBURETOR PARTS (CARTER)



REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
	143-0323	1	£ Carburetor, Gasoline	11	143-0210	1	Bowl
	143-0332	1	Repair Kit (Includes Parts Marked #)	12	143-0077	1	*Gasket, Bowl Ring
	143-0201	1	# Gasket Kit (Includes Parts Marked *)	13	141-0703	1	# Pin, Float Lever
	141-0281	1	*Gasket, Carburetor Flange	14	143-0341	1	# Valve, Fuel Inlet <i>Package</i>
1	143-0202	1	Valve, Throttle	15	143-0213	1	Screw, Idle Adjusting
2	143-0331	1	Shaft and Lever, Throttle	16	812-0014	4	# Screw, #3-48 x 3/16, Choke and Throttle Valve
3	143-0204	1	Valve, Choke	17	143-0110	1	Plug, Expansion
4	143-0330	1	# Needle, Idle Jet and High Speed Adjustment	18	143-0214	1	Spring, Throttle Adjusting Screw
5	143-0329	1	# Nozzle	19	143-0112	1	Spring, Idle Adjusting Screw
6	143-0315	1	Shaft, Choke	20	143-0114	1	Spring, High Speed Adjusting Needle
7	143-0208	1	Screw and Gasket, Bowl	21	143-0215	1	Screw, Throttle Lever Adjusting
8	143-0015	1	*Gasket, Fuel Inlet Valve	22	143-0342	1	Diaphragm
9	143-0209	1	*Gasket, Bowl Screw				
10	143-0105	1	Float and Lever				

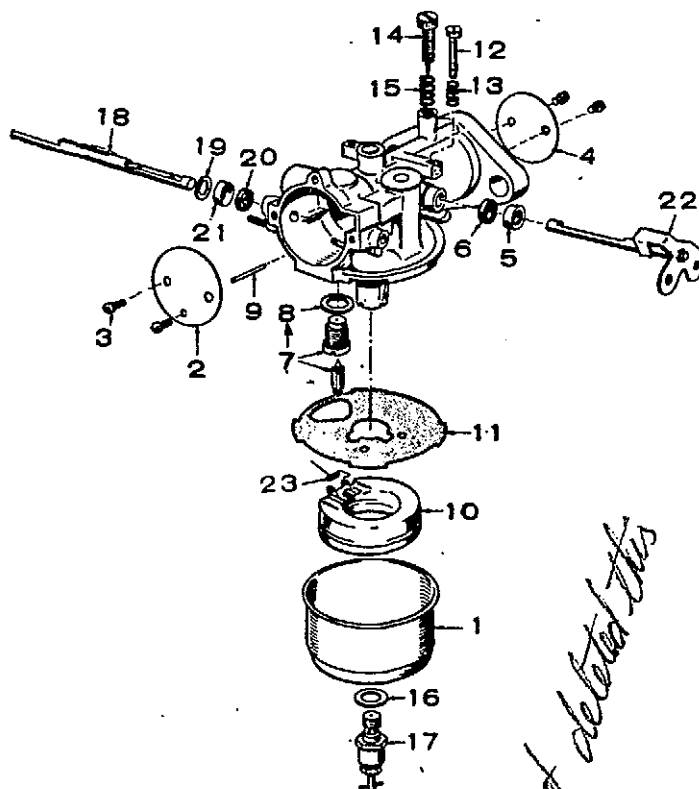
* - Contained in Gasket Kit.
 # - Contained in Repair Kit.

£ - Mounting Gasket supplied with new unit.

ER 3501

CARBURETOR PARTS (ZENITH)

(Zenith Bendix)



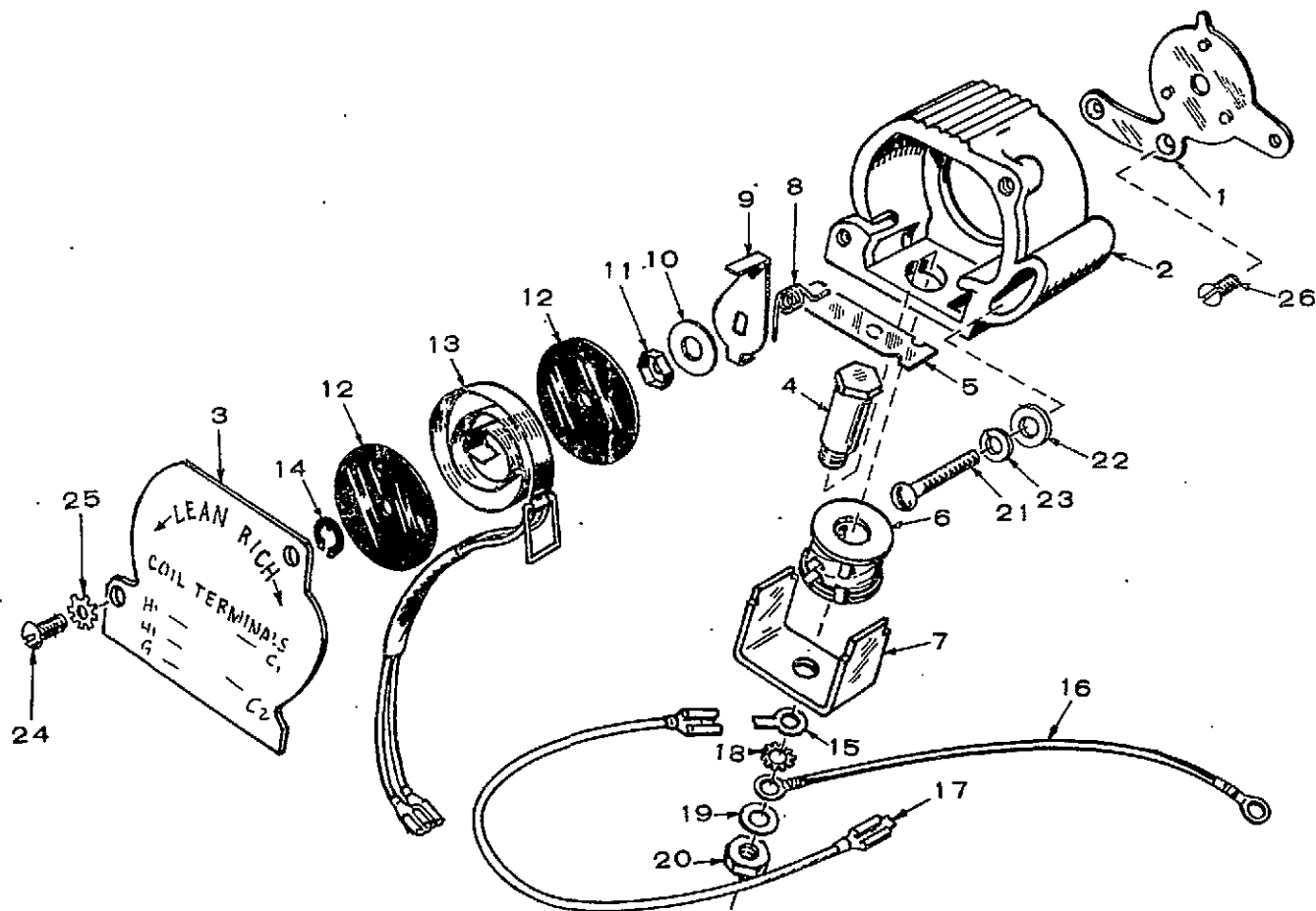
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REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
	£ 141-0690	1	Carburetor, Gasoline
	141-0747	1	Repair Kit (Includes Parts Marked *)
	141-0748	1	Gasket Kit (Includes Parts Marked #)
	141-0281	1	# *Gasket, Carburetor Flange
1	141-0708	1	Bowl, Fuel
2	141-0741	1	Plate, Choke
3	141-0698	4	Screw & Washer, Choke & Throttle Plate Mounting
4	141-0706	1	Plate, Throttle
5	141-0705	1	*Retainer, Seal
6	141-0661	1	# *Seal, Rubber
7	141-0798-6230	1	*Valve & Seat Assembly, Fuel
8	141-0811	1	# Washer, Fuel Valve Seat
9	141-0703	1	*Shaft, Float

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
10	141-0702	1	Float Assembly
11	141-0701	1	# *Gasket, Bowl to Body
12	141-0700	1	Screw, Throttle Stop
13	141-0711	1	Spring, Throttle Stop
14	141-0713	1	Needle, Idle Adjusting
15	141-0710	1	Spring, Idle Needle
16	141-0077	1	# *Washer, Main Jet Assembly
17	141-0712	1	Jet Assembly, Main (Adjustable)
18	141-0679	1	Shaft, Choke
19	141-0699	1	Washer
20	141-0697	1	# *Seal, Felt
21	141-0203	1	*Retainer, Felt Seal
22	141-0709	1	Shaft and Lever, Throttle
23	141-0799	1	*Spring, Float

* - Parts contained in Repair Kit #141-0747
 # - Parts contained in Gasket Kit #141-0748
 £ - Mounting Gasket supplied with new unit.

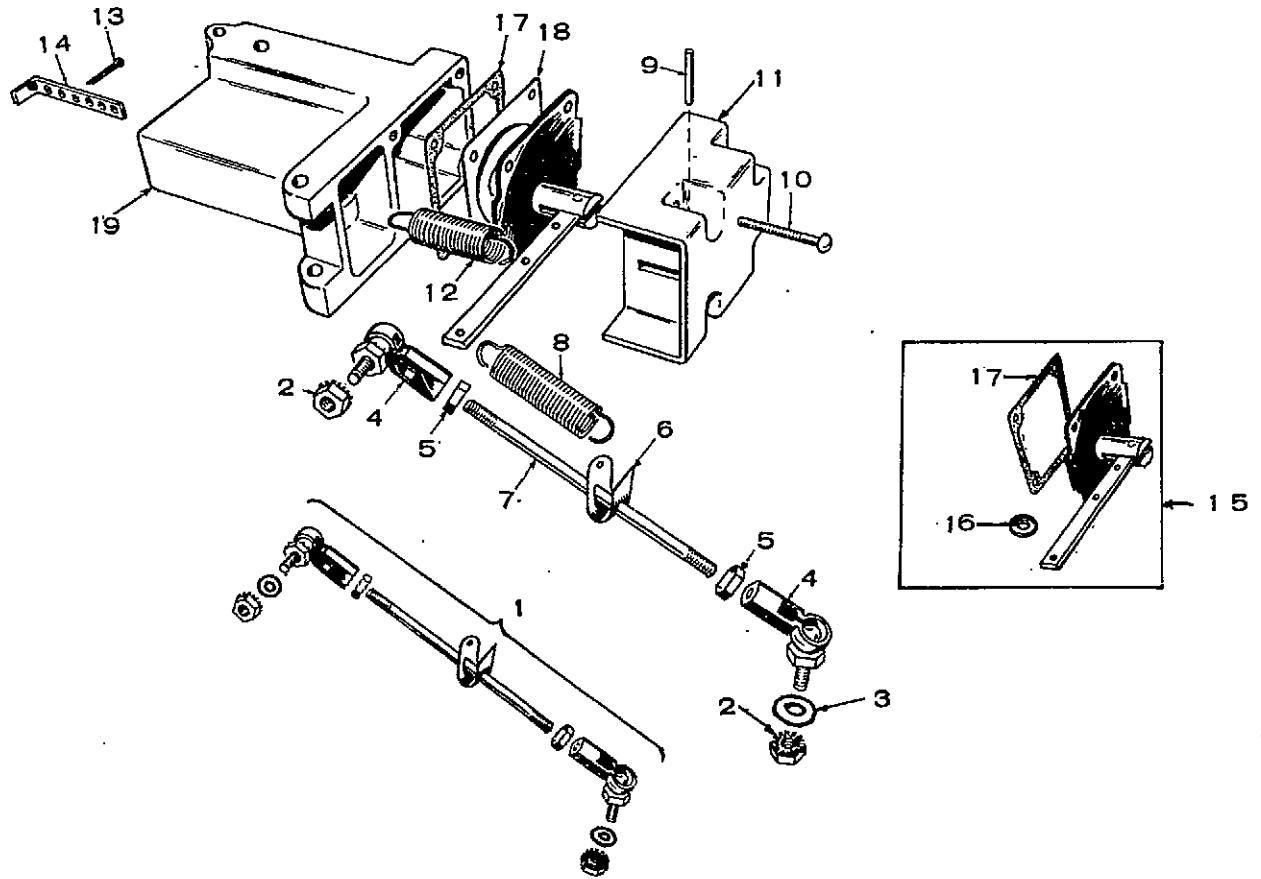
THERMO-MAGNETIC CHOKE



REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	153-0385	1	Plate, Mounting
2	153-0386	1	Housing, Choke
3	153-0389	1	Cover, Choke
4	153-0391	1	Core, Solenoid
5	153-0395	1	Armature, Solenoid
6	307-1203	1	Coil, Solenoid
7	153-0392	1	Frame, Solenoid
8	153-0387	1	Spring, Armature
9	153-0390	1	Lever, Limit
10	526-0018	1	Washer, Flat, Steel (5/8")
11	870-0134	1	Palnut (1/4-20)
12	153-0399	2	Insulator, Disc
13	153-0400	1	Bimetal - Heater Assembly
14	518-0129	1	Ring, Retaining
15	332-0876	1	Terminal, Lug - Ground
16	336-1550	1	Lead, Electrical - Ground
17	336-1549	1	Lead, Electrical - Solenoid
18	854-0017	1	Washer, Lock, Internal Tooth (5/16")

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
19	526-0022	1	Washer, Flat, Steel (5/16")
20	864-0002	1	Nut, Hex (5/16-18)
21	813-0107	1	Screw, Round Head, Steel (10-32 x 1-1/4")
22	526-0008	1	Washer, Flat, Steel (#10)
23	850-0030	1	Washer, Lock, Steel (#10)
24	812-0076	2	Screw, Round Head, Steel (8-32 x 5/16")
25	854-0007	2	Washer, Lock, Internal Tooth (#8)
26	815-0161	2	Screw, Flat Head, Steel (10-32 x 3/8")
	153-0429	1	Kit, Replacement (Includes Complete Choke, Less Electrical Leads, and Carburetor Air Horn Gaskets)

VACUUM SPEED BOOSTER PARTS

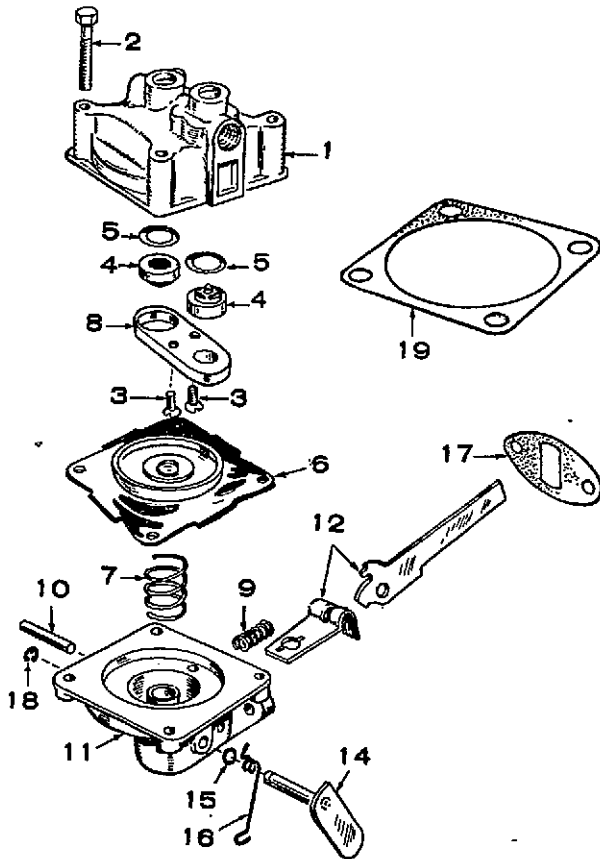


REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
	150-1030	1	Kit, Replacement - Vacuum Booster (Includes Parts Marked £)
1	150-1080	1	Linkage Assembly (Includes Parts Marked *)
2	870-0131	2	*Nut, Hex - With External Tooth Lockwasher (#10-32)
3	526-0196	2	*Washer, Flat - Aluminum (7/32" ID x 7/16" OD x 1/8" Thk)
4	150-0639	2	*Ball Joint - Metal
5	870-0053	2	*Nut, Hex (#10-32)
6	150-0430	1	*Bracket, Spring
7	520-0187	1	*Rod, Linkage
8	150-0471	1	£Spring (External)
9	516-0085	1	£Pin, Dowel (3/32 x 3/4")
10	815-0148	4	£Screw, Machine - Hex Head, Slotted (#8-32 x 7/8")

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
11	150-0644	1	Cover, Vacuum Booster Housing (Not Sold Separately)
12	150-0475	1	£Spring (Internal)
13	516-0039	1	£Pin, Cotter (3/32 x 5/8")
14	150-0376	1	£Bracket, Adjusting - Internal Spring
15	150-1031	1	£Kit, Replacement - Diaphragm and Gaskets (Includes Gaskets - Ref. No. 16 & 17)
16	150-0425	1	Gasket - Booster to Manifold
17	150-0668	1	Gasket - Diaphragm Plate
18	150-0666	1	£Plate, Diaphragm
19	150-1355	1	Housing, Vacuum Booster (Not Sold Separately)

£ - Parts Included in Vacuum Booster Replacement Kit.
 * - Parts Included in Linkage Assembly.

FUEL PUMP PARTS

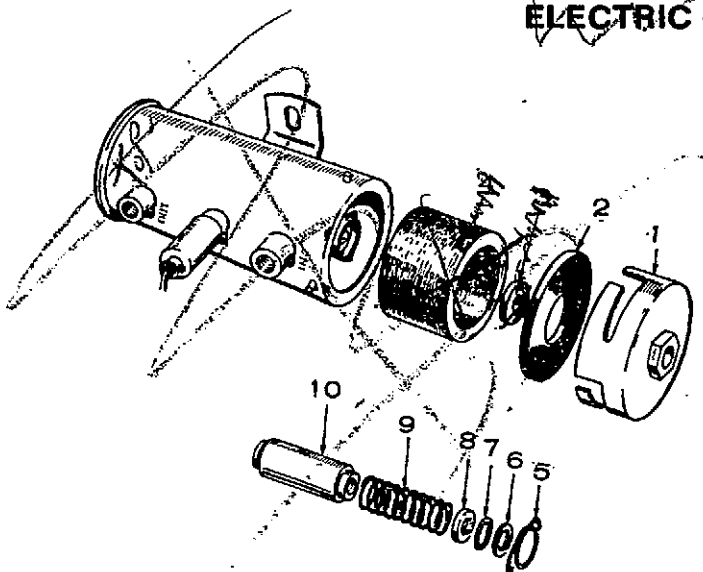


REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
	149-1393	1	£ Pump, Fuel (Illustrated in Fuel System Group)
	149-0526	1	Repair Parts Kit (Includes Parts Marked *)
1		1	Body, Upper (Not Sold Separately)
2	815-0148	4	Screw (#8-32 x 7/8"), Slotted Hex Head
3	815-0147	2	Screw, Phillips Self Tapping (#6-32 x 5/8") - Valve Retainer
4	149-0096	2	*Valve and Cage
5	149-0095	2	*Gasket, Valve
6	149-0582	1	*Diaphragm Assembly
7	149-0672	1	*Spring
8	149-0539	1	Retainer, Valve Cage
9	149-0675	1	*Spring
10	516-0113	1	Pin, Rocker Arm
11		1	Body, Lower (Not Sold Separately)
12	149-0710	1	Link and Arm, Rocker (Only As a Set)
14	149-1042	1	Lever, Primer
15	509-0065	2	Seal, "O" Ring
16	149-1044	1	Spring, Primer Lever
17	149-0003	1	£ *Gasket, Pump Mounting
18	518-0129	1	Ring, Retainer - Primer Lever
19	149-0858	1	*Gasket, Diaphragm - Lower Side

* - Included in 149-0526 Repair Kit.

£ - Mounting Gasket supplied with new unit.

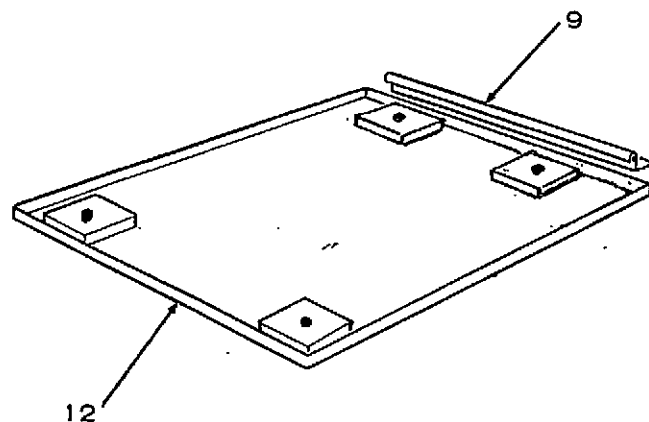
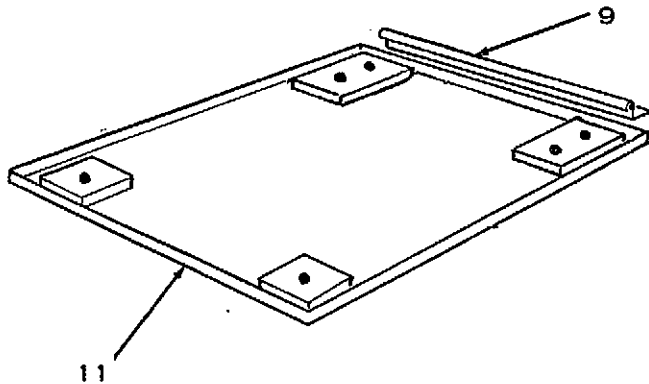
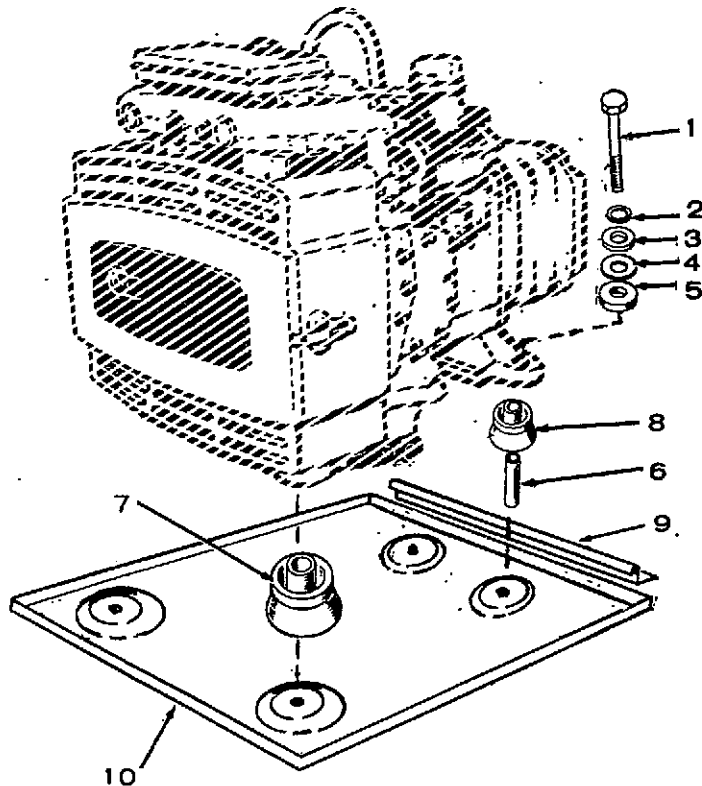
ELECTRIC FUEL PUMP PARTS



REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
	149-0650	1	Pump, Fuel
1	149-1453	1	Cover
2	149-1446	1	Gasket, Cover
3	149-1447	1	Magnet
4	149-1445	1	Filter
5	149-1448	1	Retainer, Cup and Plunger
6	149-1449	1	Washer, Cup Gasket
7	149-1450	1	Gasket, Spring Cup
8	149-1451	1	Spring Cup and Valve
9	149-0767	1	Spring, Plunger Return
10	149-1452	1	Plunger

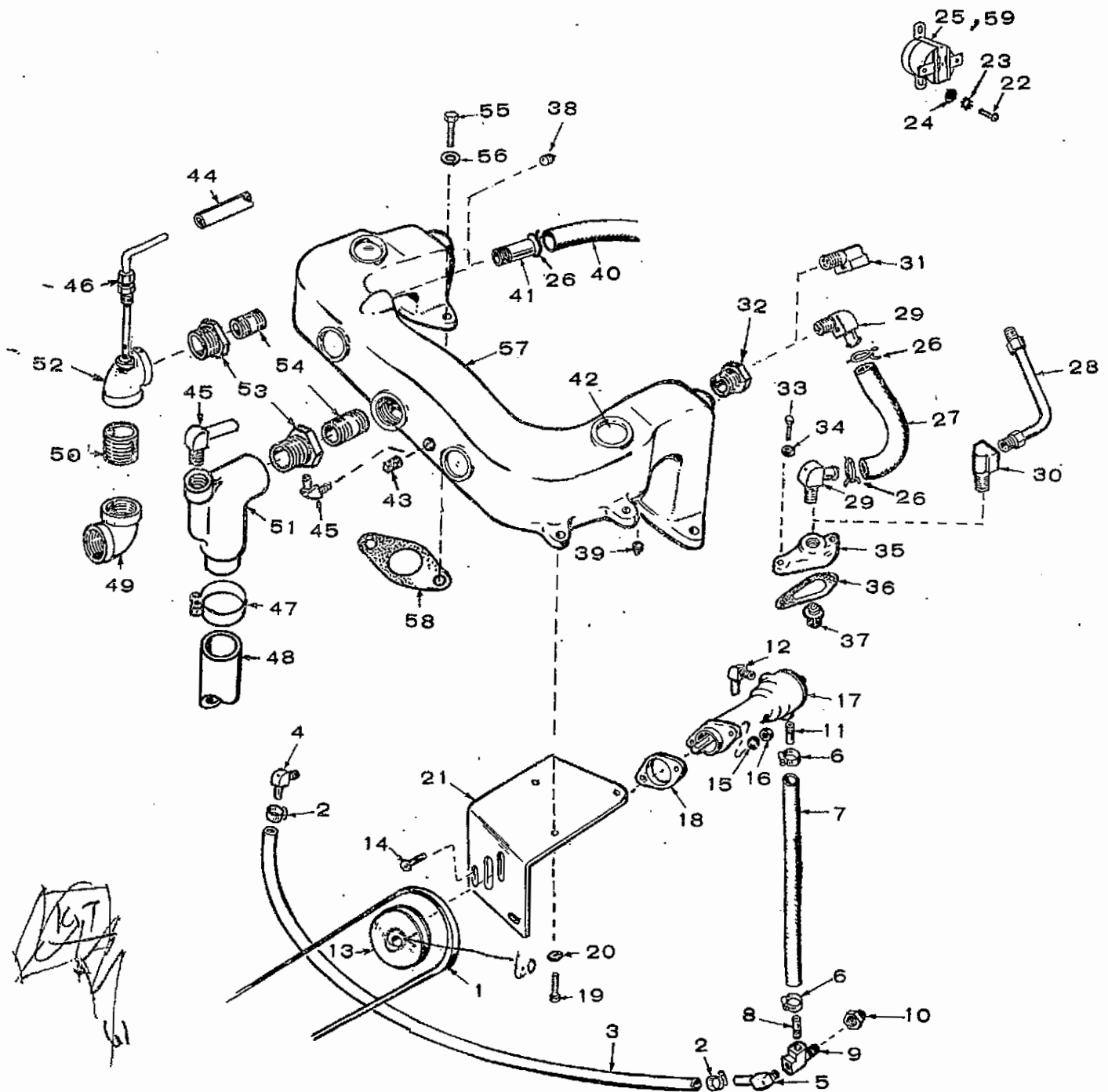
ER 25301

DRIP PAN ASSEMBLY



REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
	402-0360	4	Package, Hardware - Mounting (Includes One each Items marked * & Two of Item 4)
1	800-0081	4	*Screw, Cap - Hex Head (7/16-24 x 3-1/2")
2	850-0055	4	*Washer, Lock - Spring (7/16")
3	526-0128	4	*Washer, Flat (15/32" ID x 1-1/2" OD x 1/4" Thk)
4	526-0198	8	*Washer, Flat (5/8" ID x 1-1/2" OD x 1/16" Thk)
5	402-0282	4	*Snubber, Rubber
6	402-0290	4	*Bushing, Sleeve
7	402-0283	2	Cushion, Vibration - Engine End
8	CUSHION, VIBRATION - GENERATOR END		
	402-0284	2	Key 1, Spec A through C Only
	402-0285	2	Key 2, Spec A through C Only
	402-0284	2	Begin Spec D
9	405-1265	2	Clamp, Hold-down - Drip Pan
10	405-1944	1	Drip Pan - Begin Spec E
11	405-1869	1	Drip Pan - Spec D Only
12	405-1554	1	Drip Pan - Spec A through C Only

EXHAUST MANIFOLD AND WATER PUMP



EXHAUST MANIFOLD AND WATER PUMP

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	511-0073	1	Belt, Drive - Water Pump (60 Hz Lt)	33	800-0007	4	Screw, Cap - Hex Head (1/4-20 x 1")
2	503-0183	2	Clamp, Hose	34	850-0040	4	Washer, Lock - Spring (1/4) - Spec A Through D
3	503-0433	1	Hose, Rubber (17")	35	309-0185	2	Housing, Thermostat
4	502-0302	1	Elbow, Hose (90°)	36	309-0186	2	Gasket, Thermostat Housing (part 1 kit 152-001)
5	502-0304	1	Elbow, Hose (90°)	37	309-0130	2	Thermostat
6	503-0183	2	Clamp, Hose	38	505-0054	1	Plug, Pipe 1/4" (Used on Models without Heat Exchanger)
7	503-0487	1	Hose, Rubber (4-3/8")	39	502-0080	1	Plug, Pipe - 1/8
8	502-0256	1	Nipple, Pipe - Close	40	503-0459	1	Hose, Rubber - (Heat Exchanger Models Only)
9	502-0164	1	Tee, Pipe	41	502-0256	1	Nipple, Pipe - Half (Heat Exchanger Model Only)
10	502-0050	1	Reducer, Pipe	42	517-0041	4	Plug, Expansion
11	502-0256	1	Nipple, Pipe - Close	43	505-0110	1	Plug, Pipe - 3/8
12	502-0304	1	Elbow, Hose (90°)	44	503-0700	1	Hose, Rubber
13	512-00420134	1	Pulley - Water Pump (1/4-20 x 1-1/4") (incl. 505-0062)	45	502-0237	2	† Elbow, Hose - Brass (Current Models)
14	816-0090	2	Bolt, Carriage - Grade 1, Plated (1/4-20 x 1-1/4")	46	154-0894	1	Tube, Water - (Early Models)
15	850-0040	2	Washer, Lock - Spring (1/4)	47	503-0365	2	† Clamp, Hose (Current Models)
16	862-0001	2	Nut, Hex (1/4-20)	48	503-0575	1	† Hose, Exhaust (Current Models)
17	131-0165	1	* Pump, Water	49	505-0493	1	Elbow, Pipe - Exhaust (Early Models)
18	131-0173	1	Spacer - Pump Mounting	50	505-0625	1	Nipple, Pipe - Exhaust (Early Models)
19	821-0011	3	Screw, Self-Locking - Hex Head (1/4-20 x 7/8")	51	155-1058	1	† Elbow, Pipe - With Tapped Port (Current Models)
20	850-0040	3	Washer, Lock - Spring (1/4)	52	505-0485	1	Elbow, Pipe - With Tapped Port (Early Models)
21	131-0171	1	Bracket, Mounting - Water Pump	53	505-0617	1	† Reducer, Pipe
22	812-0145	2	Screw, Machine - Round Head (1/4-20 x 5/16")	54	505-00241344	1	† Nipple, Pipe - SPECIAL
23	854-0014	2	Washer, Lock - Internal Tooth (1/4)	55	800-0029	4	Screw, Cap - Hex Head (5/16-18 x 1-1/8")
24	526-0016	2	Washer, Flat (17/64" ID x 9/16" OD x 1/32" Thk) (part 1 kit 152-001)	56	850-0045	4	Washer, Lock (5/16)
25	309-0259	1	Switch, Thermostat - Hi Temp Cut-Off - Spec A through F	57	154-0983	1	Manifold, Exhaust
26	503-0547	5	Clamp, Hose (Current Models)	58	154-0973	2	Gasket - Exhaust Manifold
27	503-0638	2	Hose, Rubber (Current Models)	59	309-0320	1	Switch, Thermostat - Hi Temp Cut-Off - Begin Spec G
28	130-0643	2	Line, Water (Early Models)				
29	502-0237	4	Elbow, Hose - Brass (Current Models)				
30	502-0073	2	Elbow, Pipe (90°) (Early Models)				
31	502-0074	2	Elbow, Pipe (90°) - (Early Models)				
32	502-0297	2	Reducer, Pipe - Brass (Current Models)				

* - See Separate Group for Component Parts.
† - Parts Included in Package 154-1328

1 511-0057 1 Bolt (50 Hz Set)
[68 12235 5/11/87 650]
12.

#307

MACK

927-0221

Spec A-6

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S.B. 130-0643

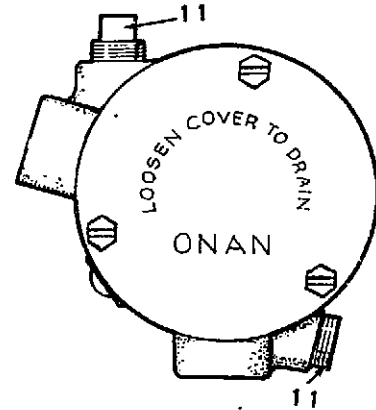
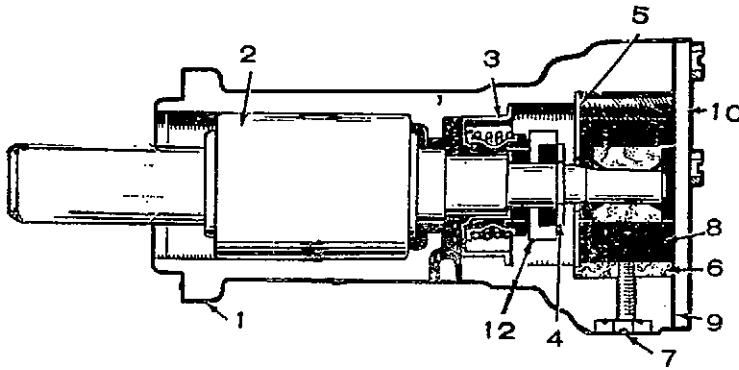
61 512-0166 1 1/2" Pulley (517-12, 505-0062)

usage ?



Power Generation

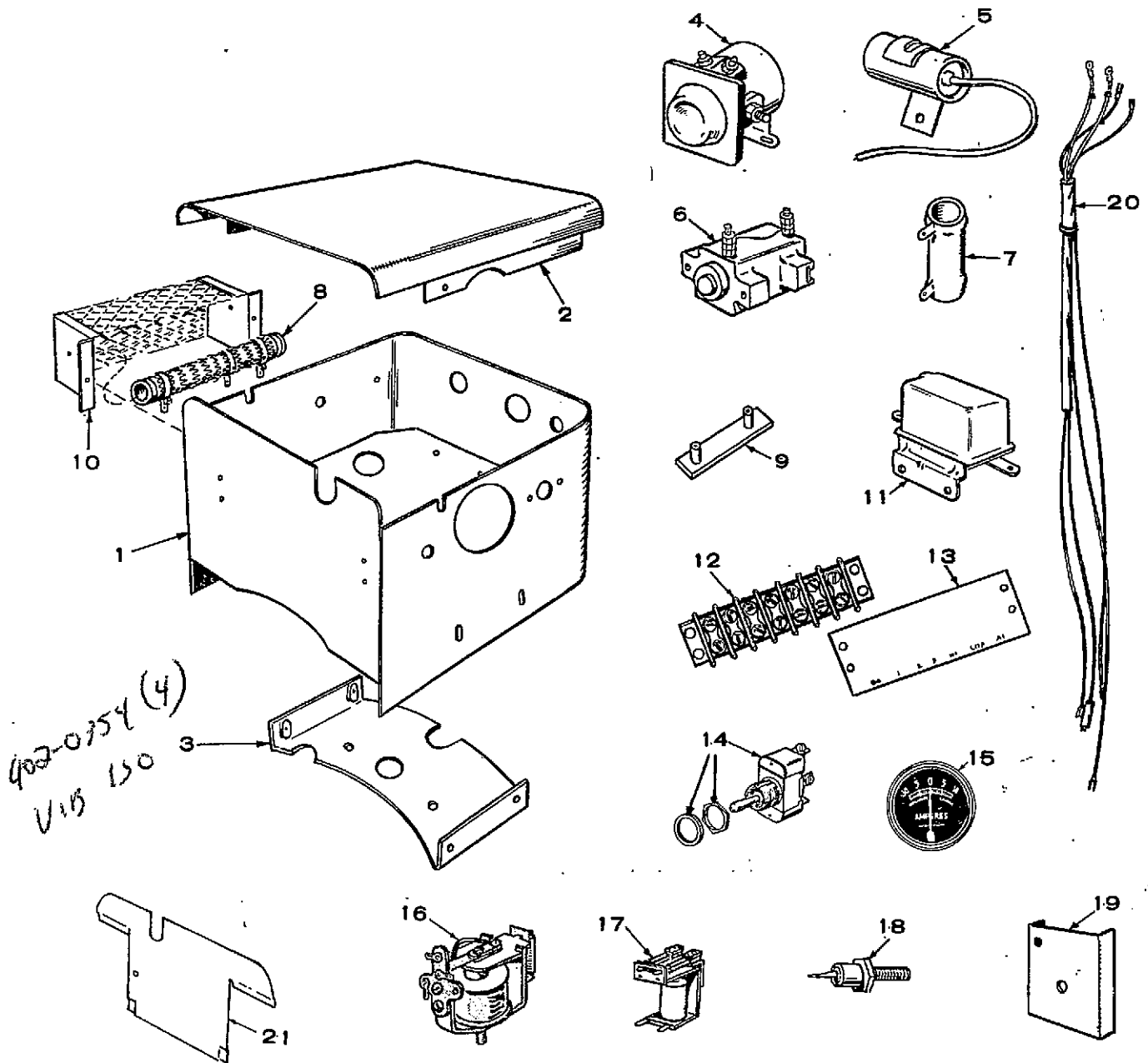
WATER PUMP PARTS



NOTE: This pump used on sets without heat exchanger only.

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
	131-0165	1	Pump, Water	7	815-0283	4	Screw, Brass (1) *Cam
	131-0179	1	Kit, Repair (Includes Parts Marked *)				Mounting (3) Cover
1		1	Body (Not Sold Separately)				Mounting
2	131-0269	1	Bearing and Shaft Assembly	8	131-0160	1	*Impeller
3	131-0160 <i>SPS</i>	1	*Seal Assembly <i>131-0157</i>	9	131-0161	1	*Gasket, Cover
4	518-0221	1	*Retaining Ring	10	131-0162	1	*Cover
5	131-0158	1	*Wear Plate, Rear	11	502-0080	2	Plug, Pipe
6	131-0159	1	*Cam	12	131-0202 <i>SPS</i>	1	*Seat, Seal <i>131-0157</i>
				* - Included in the 131-0179 Repair Kit.			

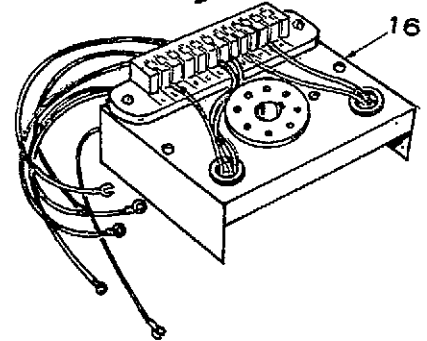
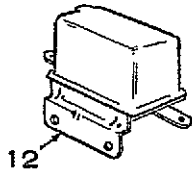
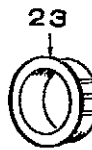
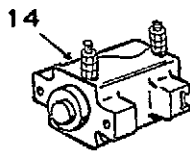
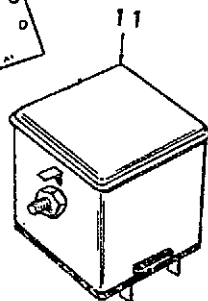
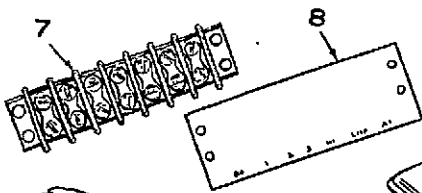
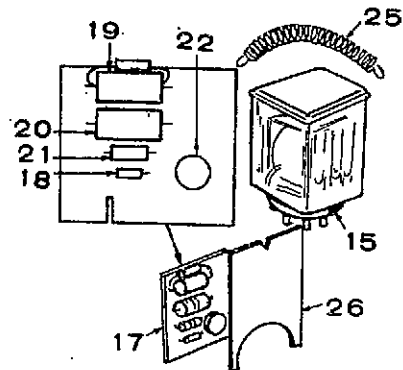
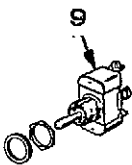
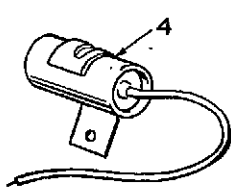
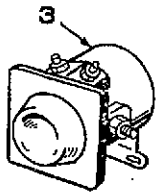
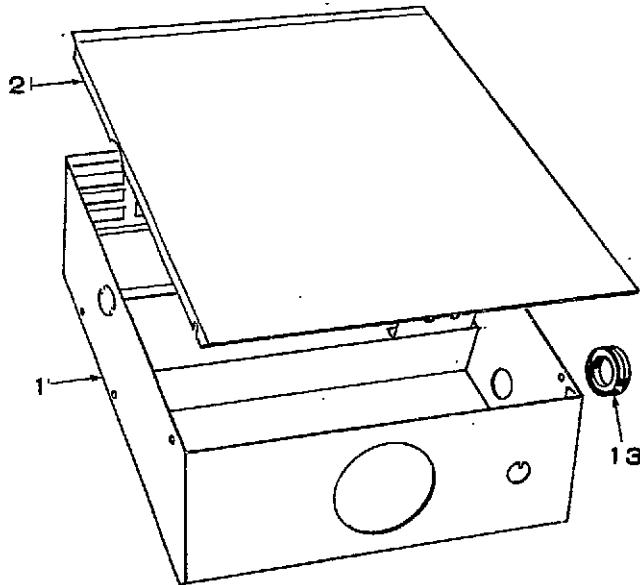
CONTROL - SPEC A THROUGH C ONLY



REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	301-2525	1	Box, Control
2	301-1244	1	Cover, Control Box
3	301-2532	1	Bracket, Control Box Mounting
4	307-0845	1	Solenoid, Start
5	312-0057	1	Condenser (1.0 Mfd.) Start Solenoid Support
6	320-0104	1	Relay, Emergency
7	RESISTOR, FIXED		
	304-0060	1	1.72-Ohm, 25 Watt
	304-0217	1	1-Ohm, 10 Watt
	304-0251	1	30-Ohm, 5 Watt
8	304-0483	1	Resistor, Adjusting (Mounts Outside Control Box)
9	304-0610	1	Support, Adjusting Resistor

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
10	301-2528	1	Box, Resistor Mounting
11	305-0383	1	Regulator, Two-step Voltage - Charge Circuit
12	332-0745	1	Block, Terminal Remote Control
13	332-0922	1	Strip, Marker (B+, 1, 2, 3, H1, LOP, A1)
14	308-0154	1	Switch, Start-Stop
15	302-0058	1	Ammeter, Charge
16	307-0253	1	Relay, Stop
17	307-0642	1	Relay, Start Disconnect
18	305-0235	1	Rectifier
19	305-0254	1	Sink, Heat (Rectifier Mounting Bracket)
20	338-0334	1	Harness, Wiring
21	301-2597	1	Plate, End - Control Box

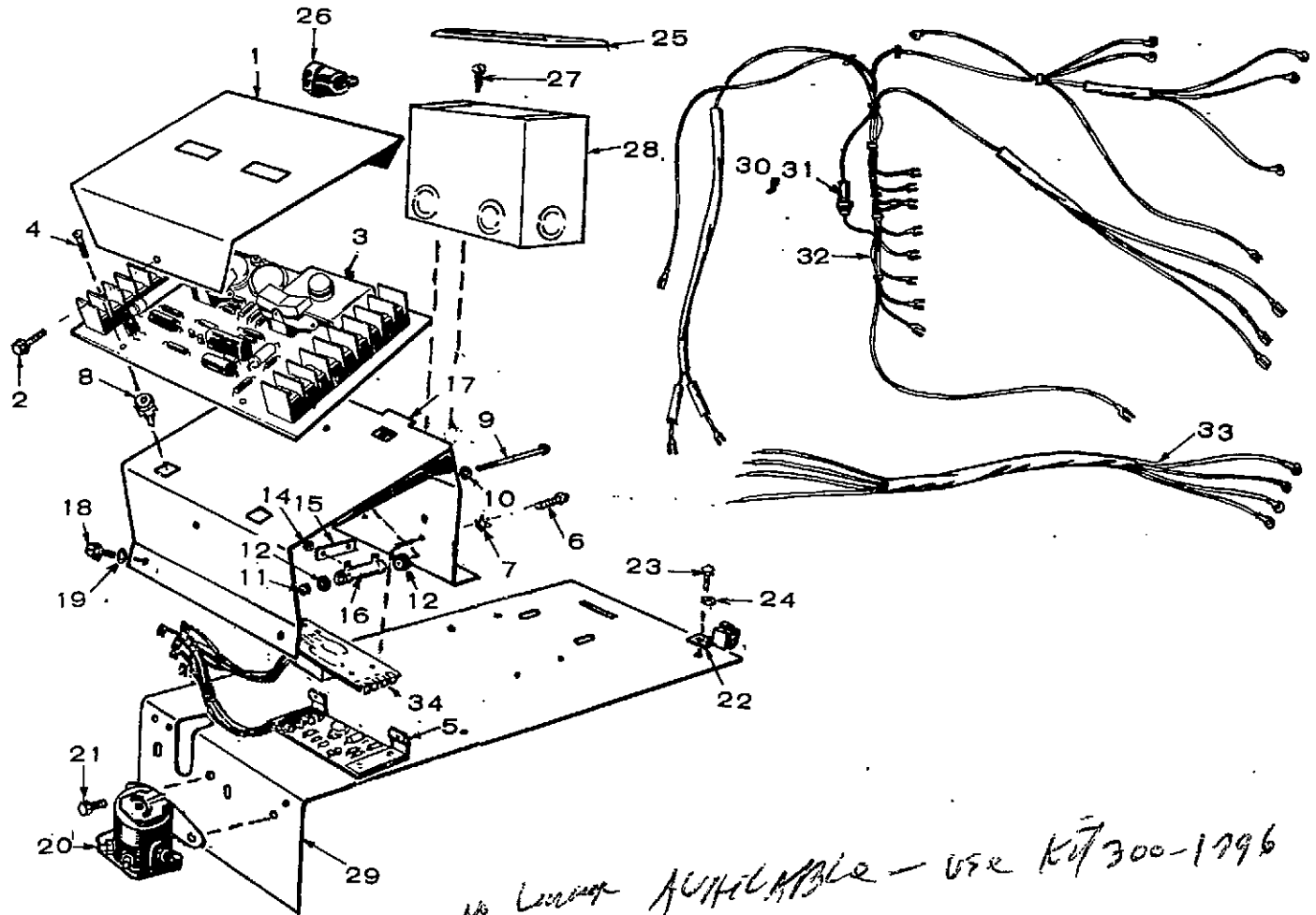
CONTROL - SPEC D ONLY



REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	301-3319	1	Box, Control
2	301-3302	1	Cover, Control Box
3	307-0845	1	Solenoid, Start
4	312-0057	1	Condenser (1.0 Mfd.) Start Solenoid Suppression
5	RESISTOR, FIXED		
	353-0006	1	6-Ohm, 50 Watt
	304-0251	1	30-Ohm, 5 Watt
	304-0060	1	1.72-Ohm, 25 Watt
	304-0217	1	1.0-Ohm, 10 Watt
6	304-0632	1	Resistor, Adjusting (6-Ohm, 100 Watt)
7	332-0745	1	Block, Terminal Remote Control
8	332-0922	1	Strip, Marker
9	308-0154	1	Switch, Start-Stop
10	302-0058	1	Ammeter, Charge (10-0-10)
11	307-1052	1	Relay, Stop
12	305-0383	1	Relay, Voltage Regulator
13	GROMMET		
	508-0001	1	For 1-1/16" Hole
	508-0160	1	For 1/2" Hole
14	320-0104	1	Relay, Emergency
15	307-1070	1	Relay, Start Disconnect
16	323-0803	1	Socket, Assembly, Relay
17	300-0734	1	Amplifier Assembly, Start Disconnect (Includes Parts Marked *)
18	359-0028	1	*Diode, Zener
19	350-0979	1	*Resistor, 470-Ohm, 2 Watt
20	350-0985	1	*Resistor, 820-Ohm, 2 Watt
21	350-0397	1	*Resistor, 2700-Ohm, 1/2 Watt
22	362-0010	1	*Transistor
23	331-0088	2	Bushing (Nylon)
25	301-3306	1	Spring, Relay Holddown
26	301-3307	1	Spacer, Relay to Amplifier
27	338-0616	1	Harness, Wiring

* - Included in 300-0734 Amplifier Assembly.

CONTROL - SPEC E & F ONLY



REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	301-3484	1	Cover, Control
2	815-0350	3	Screw, Tapping - Hex Washer Head, Slotted (#10-32 x 3/8")
3	300-0855	1	*Control Assembly (See Separate Group for Components)
4	815-0365	4	Screw, Tapping - Round Head, Cross-recessed (#8-3/4")
5	300-0935	1	*Control, Start Adapter
6	812-0077	4	Screw, Machine - Round Head (#8-32 x 3/8")
7	853-0005	4	Washer, Lock - External Tooth (#8)
8	870-0263	4	Nut, Panel - Insulating
9	813-0112	1	Screw, Machine - Round Head (#10-32 x 2-1/4")
10	526-0179	1	Washer, Flat (7/32" ID x 5/8" OD x 1/16" Thk)
11	870-0131	1	Nut, Hex with External Tooth Lockwasher (#10-32)
12	304-0014	2	Washer, Centering - Resistor
13	815-0201	2	Screw, Machine - Round Head, Brass - With External Tooth Lockwasher (#8-32 x 3/8")
14	853-0005	2	Nut, Hex - Brass (#8-32)
15	304-0610	1	Bar, Support - Resistor
16	304-0060	1	Resistor, Fixed, Wirewound (1.72 Ohm, 25 Watt)
17	301-3481	1	Bracket, Mounting - Control
18	815-0350	4	Screw, Tapping - Hex Washer Head, Slotted (#10-32 x 3/8")

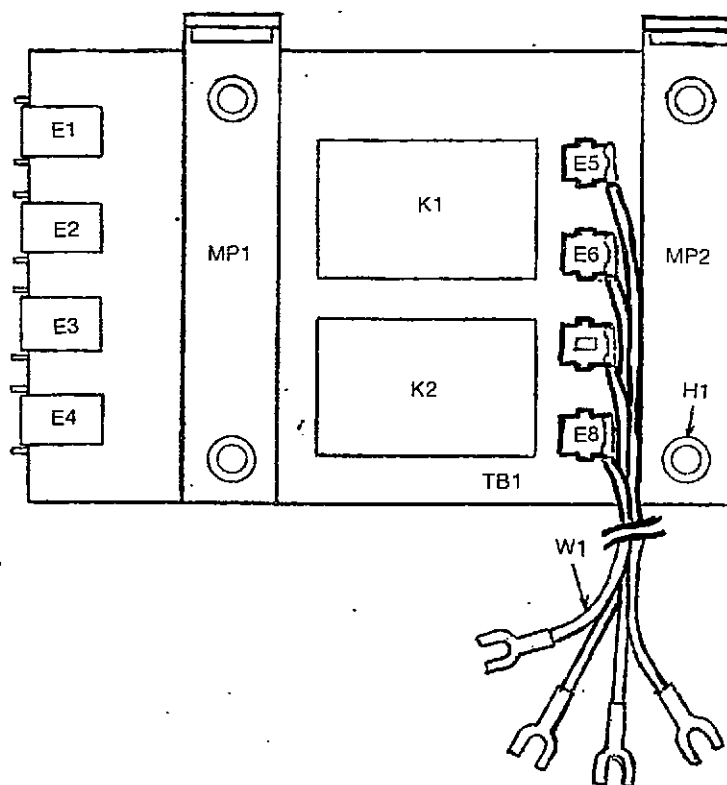
REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
19	856-0003	4	Washer, Lock - External/Internal Tooth (#10)
20	307-1166	1	Solenoid, Start
21	821-0010	2	Screw, Self-Locking - Hex Head (1/4-20 x 1/2")
22	332-0142	1	Terminal, Lug
23	821-0010	1	Screw, Self-Locking - Hex Head (1/4-20 x 1/2")
24	856-0006	1	Washer, Lock - External/Internal Tooth (1/4)
25	330-0004	1	Cover, Outlet Box
26	508-0179	1	Grommet
27	815-0350	2	Screw, Tapping - Hex Washer Head, Slotted (#10-32 x 3/8")
28	330-0074	1	Box, Outlet
29	£	1	Panel, Mounting - Control
30	321-0194	1	Fuse, Cartridge - 9 Amps
31	321-0193	1	Fuseholder
32	338-0712	1	Harness, Wiring - Engine Control
33	338-0642	1	Harness, Wiring - Start Control
34	300-1227	1	*Control, Disconnect Adapter

* - See Separate Group for Components.

£ - Order by description, giving complete Model, Spec and Serial Number from nameplate.

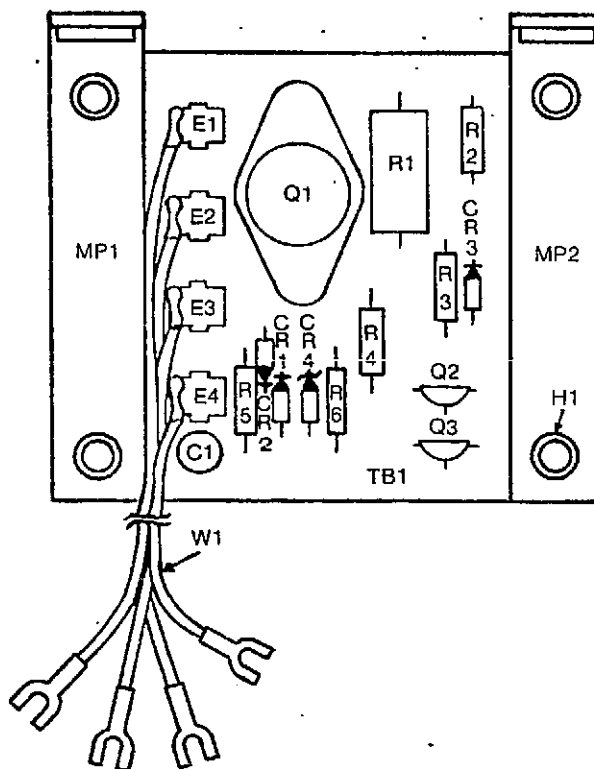
START ADAPTER CONTROL

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
	300-0935		Control, Start Adapter
E1-4	332-1511	4	Terminal, Lug
E5-8	332-1489	4	Terminal, Lug
H1	818-0005	4	Rivet, Blind
K1	307-1185	1	Relay, Armature
K2	307-1185	1	Relay, Armature
MP1	332-1656	1	Bracket, Mounting
MP2	332-1656	1	Bracket, Mounting
TB1	332-1491	1	Printed Wiring Board
W1	338-0680	1	Wiring Harness

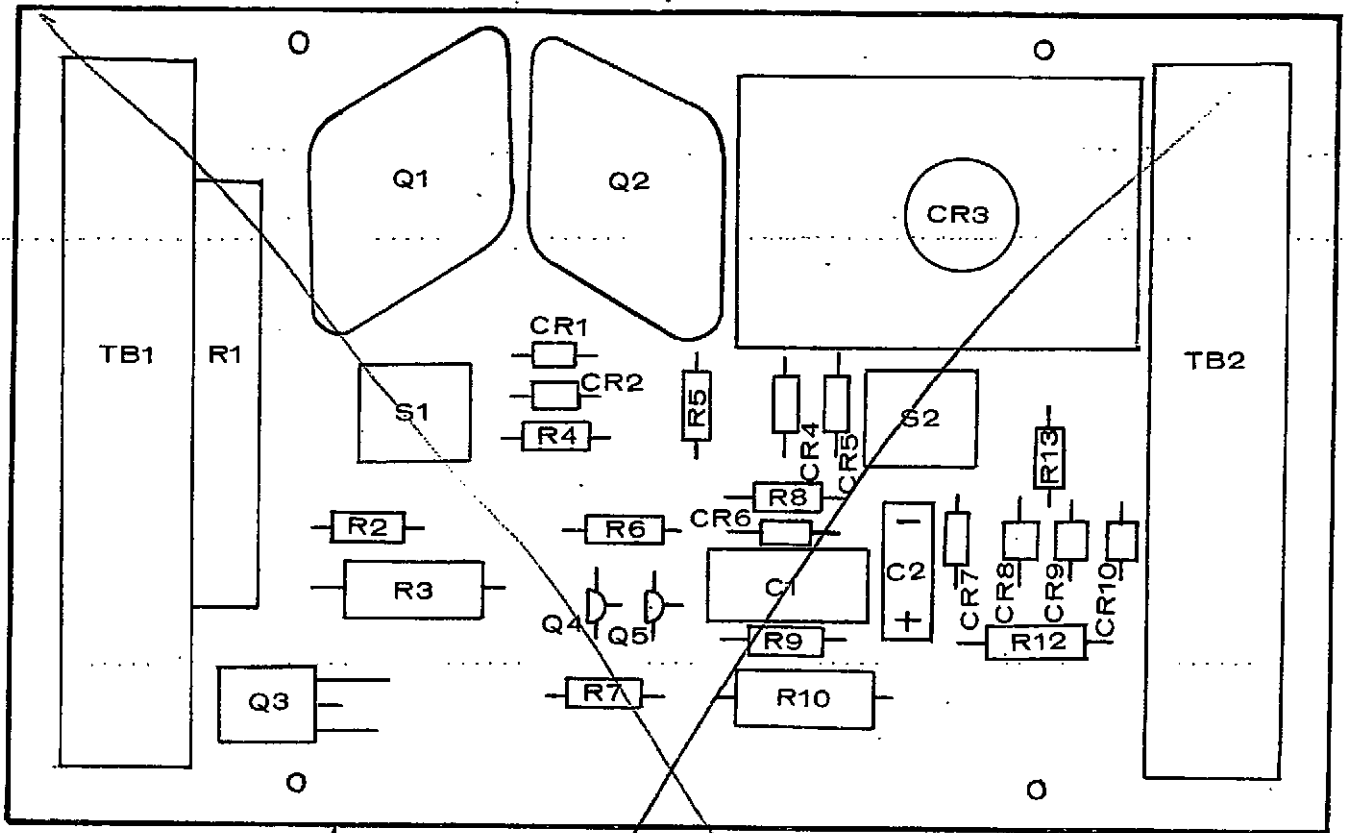


DISCONNECT ADAPTER CONTROL

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
	300-1227	1	Control, Disconnect Adapter
C1	356-0059	1	Capacitor, 2.2 Mfd 20% 35 vdc
CR1	357-0004	1	Rectifier
CR2	357-0004	1	Rectifier
CR3	357-0004	1	Rectifier
CR4	359-0036	1	Diode
E1-4	332-1511	4	Terminal, Lug
H1	818-0005	4	Rivet, Blind
MP1	332-1656	1	Bracket, Mounting
MP2	332-1656	1	Bracket, Mounting
Q1	362-0035	1	Transistor
Q2	362-0011	1	Transistor
Q3	362-0011	1	Transistor
R1	350-1124	1	Resistor 100-Ohm, 2 Watt, 10%
R2	350-0536	1	Resistor 1000-Ohm, 1/2 Watt, 10%
R3	350-0527	1	Resistor 180-Ohm, 1/2 Watt, 10%
R4	350-0396	1	Resistor 2400-Ohm, 1/2 Watt, 5%
R5	350-0398	1	Resistor 3000-Ohm, 1/2 Watt, 5%
R6	350-0411	1	Resistor 10,000-Ohm, 1/2 Watt, 5%
TB1	332-1833	1	Printed Wiring Board
W1	338-0935	1	Wiring Harness



CONTROL ASSEMBLY

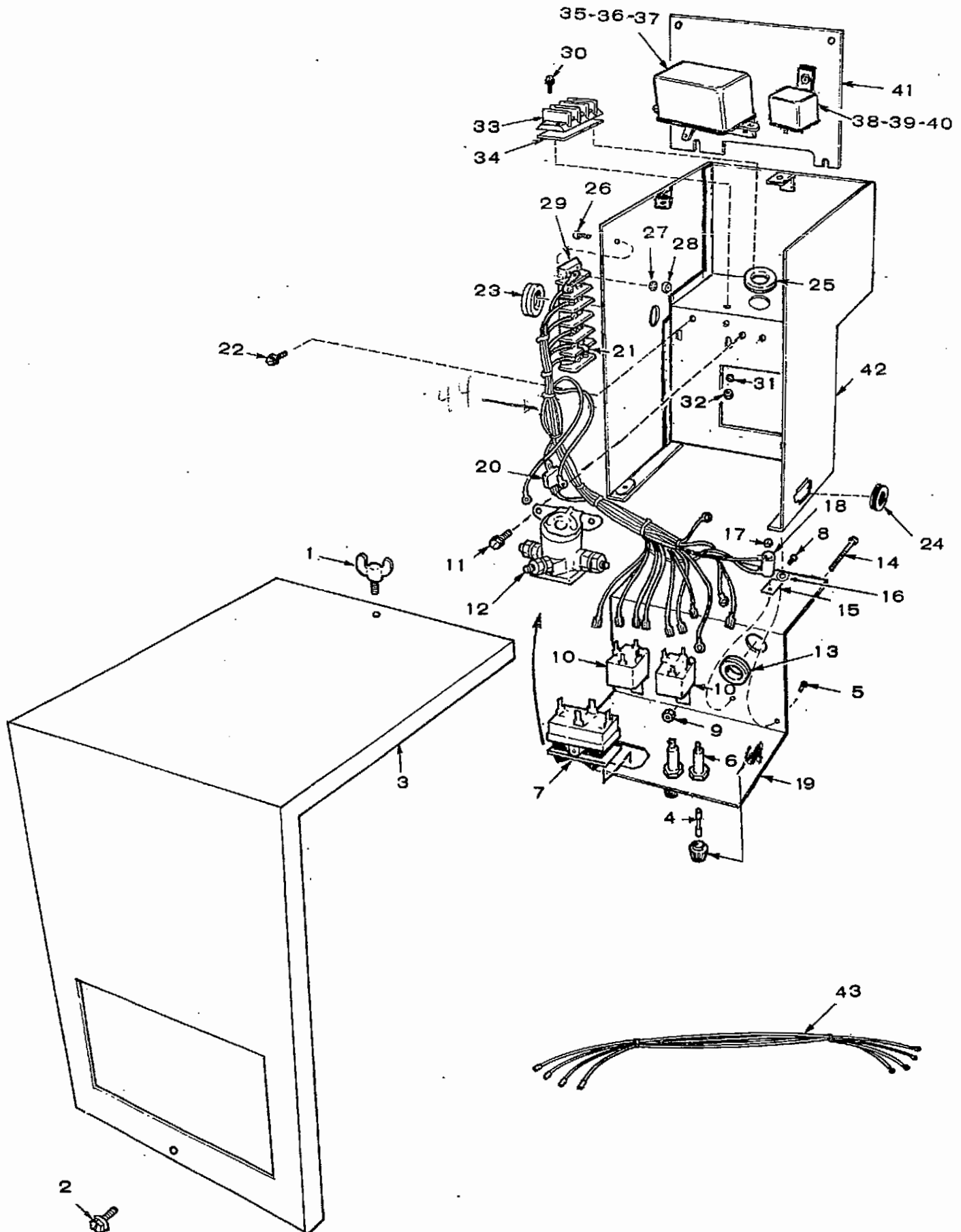


See PARTS
Catalog # 900-0234

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
A1	300-0859	1	Control Assembly
A1C1	355-0026	1	Capacitor, .47 Mfd.
A1C2	356-0046	1	Capacitor, Electrolytic - 5 Mfd.
A1CR1	357-0013	1	Rectifier
A1CR2	357-0013	1	Rectifier
A1CR3	358-0054	1	Diode and Heat Sink
A1CR4	357-0004	1	Rectifier
A1CR5	357-0004	1	Rectifier
A1CR6	357-0004	1	Rectifier
A1CR7	359-0026	1	Diode
A1CR8	357-0017	1	Rectifier
A1CR9	357-0017	1	Rectifier
A1CR10	357-0013	1	Rectifier
A1Q1	362-0018	1	Transistor
A1Q2	362-0033	1	Transistor
A1Q3	362-0028	1	Transistor
A1Q4	362-0011	1	Transistor
A1Q5	362-0011	1	Transistor

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
A1R1	353-0043	1	Resistor - 35-Ohm, 10 Watt
A1R2	350-0437	1	Resistor - 120K-Ohm, 1/2 W, 5%
A1R3	350-0977	1	Resistor - 390-Ohm, 2 W, 5%
A1R4	350-0427	1	Resistor - 47K-Ohm, 1/2 W, 5%
A1R5	350-0404	1	Resistor - 5.1K-Ohm, 1/2 W, 5%
A1R6	350-0315	1	Resistor - 1-Ohm, 1/2 W, 5%
A1R7	350-0355	1	Resistor - 47-Ohm, 1/2 W, 5%
A1R8	350-0379	1	Resistor - 470-Ohm, 1/2 W, 5%
A1R9	350-0530	1	Resistor - 330-Ohm, 1/2 W, 5%
A1R10	350-0983	1	Resistor - 680-Ohm, 2 W, 5%
A1R12	350-0673	1	Resistor - 270-Ohm, 1 W, 5%
A1R13	350-0404	1	Resistor - 5.1K-Ohm, 1/2 W, 5%
A1S1	308-0323	1	Switch - Double Pole, Double Throw
A1S2	308-0320	1	Switch - Double Pole, Double Throw
A1TB1	332-1450	1	Terminal Block
A1TB2	332-1450	1	Terminal Block
1	332-1454	1	Printed Wiring Board
2	308-0378	1	Rocker and Spring (Replaceable part of switch A1S1)

CONTROL - B244 SPEC G



CONTROL - ~~ENGINE~~ SPEC G ONLY

WD 612-1143
KIT 300-1796

(300-1795 CONTAINS)

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	518-0056	1	Screw, Wing (#10-32 x 1/2")
2	821-0004	1	Screw, Self-locking - Hex Washer Head (#10-32 x 5/16")
3	301-4694	1	Cover, Control Box
4	321-0174	2	Fuse, Cartridge - 5 Ampere
5	821-0004	4	Screw, Self-locking - Hex Washer Head (#10-32 x 5/16")
6	321-0175	2	Fuseholder
7	308-0383	1	Switch, Toggle - Start/Stop
8	821-0004	2	Screw, Self-locking - Hex Washer Head (#10-32 x 5/16")
9	870-0131	2	Nut, Hex - With External Tooth Lockwasher (#10-32)
10	307-1575	2	Relay (K2, K3)
11	821-0008	2	Screw, Self-locking - Hex Washer Head (1/4-20 x 5/16")
12	307-1617	1	Solenoid (K1)
13	331-0088	1	Insulator, Bushing
14	812-0087	1	Screw, Machine - Round Head (#8-32 x 1-1/2")
15	304-0580	1	Insulator, Mounting
16	508-0015	1	Insulator, Washer
17	870-0221	1	Nut, Hex - With External Tooth Lockwasher (#8-32)
18	352-0161	1	Resistor, Fixed, Wirewound (100-Ohm, 5 Watt) (R1)
19	301-4442	1	Panel, Control
20	357-0030	1	Diode, Rectifier (CR2)
21	332-1043	2	Jumper, Terminal
22	821-0008	2	Screw, Self-locking - Hex Washer Head (1/4-20 x 5/16")
23	508-0195	1	Insulator, Bushing
24	508-0021	1	Grommet, Rubber
25	331-0102	1	Insulator, Bushing
26	812-0081	2	Screw, Machine - Round Head (#8-32 x 5/8")
27	854-0007	2	Washer, Lock - Internal Tooth (#8)
28	860-0008	2	Nut, Hex (#8-32)
29	332-0699	1	Terminal Block
30	812-0082	2	Screw, Machine - Round Head (#8-32 x 3/4")
31	853-0005	2	Washer, Lock - External Tooth Lockwasher (#8)
32	860-0008	2	Nut, Hex (#8-32)
33	332-0236	1	Terminal Block
34	332-2117	1	Marker Strip
35	821-0004	2	Screw, Self-locking - Hex Washer Head (#10-32 x 5/16")
36	870-0131	2	Nut, Hex - With External Tooth Lockwasher (#10-32)
37	305-0383	1	Regulator, Voltage (K5)
38	821-0004	1	Screw, Self-locking - Hex Washer Head (#10-32 x 5/16")
39	870-0131	1	Nut, Hex - With External Tooth Lockwasher (#10-32)
40	307-1632	1	Relay (K4)
41	301-4441	1	Plate, Mounting - Relay and Regulator
42	301-4634	1	Box, Control
43	338-1099	1	Harness, Wiring - Remote Control

(F1 + F2)

Qty 3

(R1)

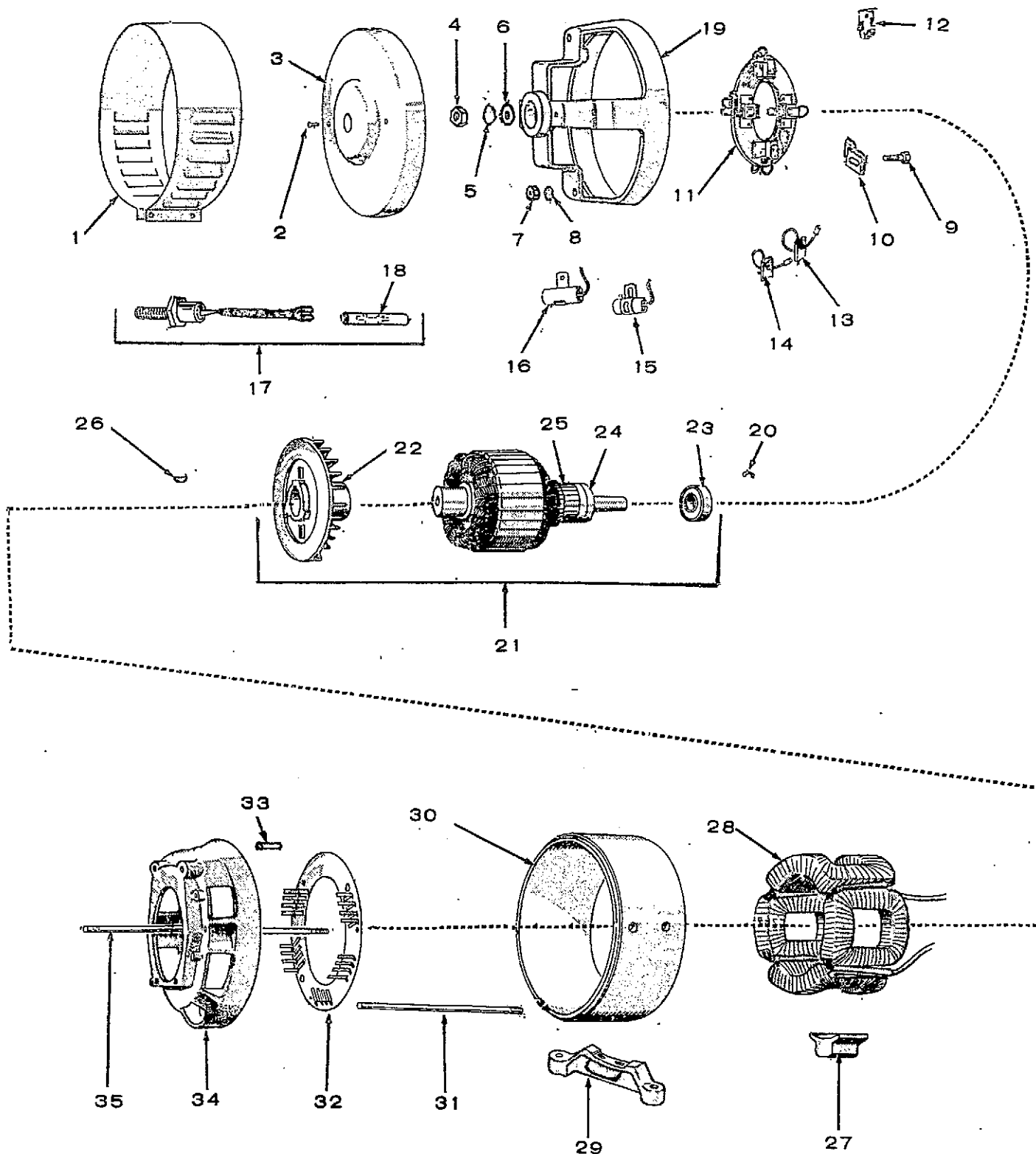
(CR2)

(K5)

(K4)

44 332-1202 1 Harness, wiring (1-3) Brg 300-1645

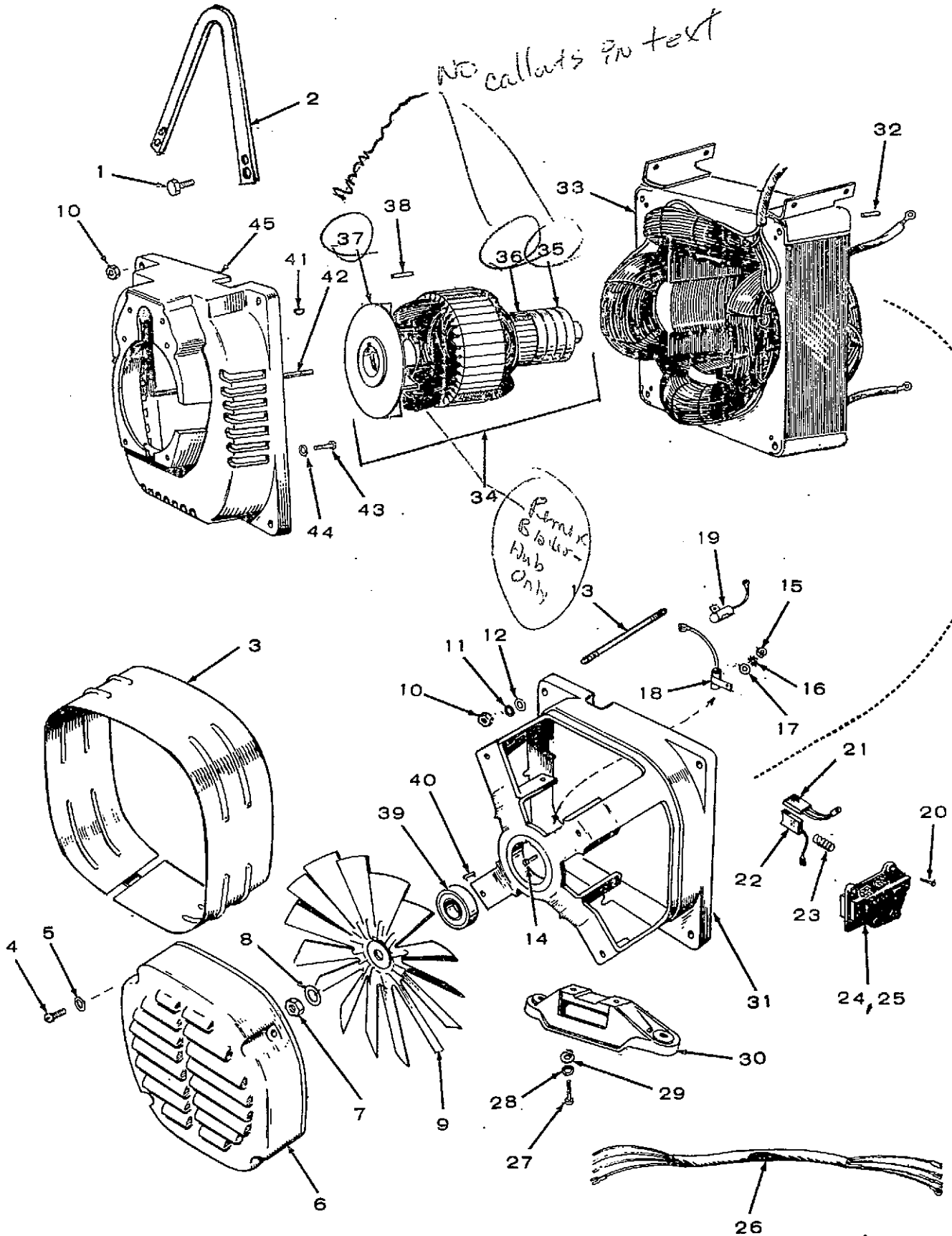
GENERATOR - SPEC A THROUGH C, ONLY



GENERATOR - SPEC A THROUGH C ONLY

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	
1	BAND, END BELL 234-0255	1	3.5MCCCK-51A & 51R; 4.0MCCCK-1A & 1R; 5.5MCCCK-51A, 51R & 52R; 6.5MCCCK-1A & 1R	21	ROTOR ASSEMBLY, GENERATOR (Includes Bearing, Blower, Collector and Commutator)			
	234-0256	1	4.0MCCCK-3A & 3R; 5.5MCCCK-53A & 53R; 6.5MCCCK-3A, 3R & 4R		50 Hertz Sets			
2	815-0048	2	Screw, Tapping - Round Head (#10-32 x 3/8")	201-1481	1	3.5MCCCK-51A & 3.5MCCCK-51R		
3	211-0114	1	Cover, End Bell	201-1377	1	3.5MCCCK-53A & 3.5MCCCK-53R		
4	862-0004	1	Nut, Hex (7/16-14)	201-1472	1	5.5MCCCK-51A & 5.5MCCCK-51R		
5	850-0055	1	Washer, Lock - Spring (7/16")	201-1474	1	5.5MCCCK-52R		
6	526-0032	1	Washer, Flat (29/64" ID x 7/8" OD x 1/16" Thk)	201-1322	1	5.5MCCCK-53A & 5.5MCCCK-53R		
7	862-0015	2	Nut, Hex (5/16-18)		60 Hertz Sets			
8	850-0045	2	Washer, Lock - Spring (5/16")	201-1317	1	3.5MCCCK-1A & 3.5MCCCK-1R	4.0 MCCCK-1R	
9	800-0003	4	Screw, Cap - Hex Head (1/4-20 x 1/2")	201-1318	1	3.5MCCCK-3A & 3.5MCCCK-3R	4.0 MCCCK-3R	
				201-1313	1	6.5MCCCK-1A & 6.5MCCCK-1R		
				201-1314	1	6.5MCCCK-3A & 6.5MCCCK-3R		
				201-1582	1	6.5MCCCK-4R		
10	212-1214	4	Clamp, Retaining - Brush Rig	22	205-0053	1	Blower, Rotor	
11	BRUSH RIG ASSEMBLY (Includes Brushes & Springs)			23	510-0047	1	Bearing, Ball - Rotor	
	212-0293	1	5.5MCCCK-51A & 51R; 6.5MCCCK-1A & 1R	24	COLLECTOR RING			
	212-0294	1	3.5MCCCK-51A & 51R; 4.0MCCCK-1A & 1R; 5.5MCCCK-52R	204-0009	1	3.5MCCCK-51A & 51R; 4.0MCCCK-1A & 1R; 5.5MCCCK-51A & 51R & 52R; 6.5MCCCK-1A & 1R		
	212-0295	1	3.5MCCCK-53A & 53R; 4.0MCCCK-3A & 3R; 5.5MCCCK-53A & 53R; 6.5MCCCK-3A & 3R	204-0010	1	3.5MCCCK-53A & 53R; 4.0MCCCK-3A & 3R; 5.5MCCCK-53A & 53R; 6.5MCCCK-3A & 3R		
	212-0298	1	6.5MCCCK-4R	204-0092	1	6.5MCCCK-4R		
12	212-1105	AR	Spring, Brush	25	COMMUTATOR			
13	214-0061	4	Brush, Commutator	203-0008	1	3.5MCCCK-51A & 51R & 53A & 53R; 4.0MCCCK-1A & 1R & 3A & 3R		
14	BRUSH, COLLECTOR RING			203-0127	1	5.5MCCCK-51A & 51R & 52R & 53A & 53R; 6.5MCCCK-1A & 1R & 3A & 3R & 4R		
	214-0050	4	3.5MCCCK-51A & 51R; 4.0MCCCK-1A & 1R; 5.5MCCCK-52R	26	515-0006	1	Key, Woodruff	
	214-0056	3	3.5MCCCK-53A & 53R; 4.0MCCCK-3A & 3R; 5.5MCCCK-53A & 53R; 6.5MCCCK-3A & 3R	27	POLE SHOE			
	215-0056	4	5.5MCCCK-51A & 51R; 6.5MCCCK-1A & 1R & 4R	221-0091	4	3.5MCCCK; 4.0MCCCK		
15	CAPACITOR, FIXED, PAPER DIELECTRIC (.1 Mfd, 400 WVDC)			221-0090	4	5.5MCCCK; 6.5MCCCK		
	312-0058	1	3.5MCCCK-51A & 51R; 4.0MCCCK-1A & 1R; 5.5MCCCK-51A & 51R & 52R; 6.5MCCCK-1A & 1R	28	FIELD COIL ASSEMBLY			
	312-0058	2	3.5MCCCK-53A & 53R; 4.0MCCCK-3A & 3R; 5.5MCCCK-53A & 53R; 6.5MCCCK-3A & 3R	222-1640	1	3.5MCCCK; 4.0MCCCK		
	312-0058	3	6.5MCCCK-4R	222-1639	1	5.5MCCCK; 6.5MCCCK		
16	CAPACITOR, FIXED, PAPER DIELECTRIC (.5 Mfd, 200 WVDC)			29	232-1798	1	Support, Generator	
	312-0017	1	3.5MCCCK-51A & 51R; 4.0MCCCK-1A & 1R; 5.5MCCCK-51A & 51R & 52R; 6.5MCCCK-1A & 1R	30	GENERATOR FRAME			
	312-0027	1	3.5MCCCK-53A & 53R; 4.0MCCCK-3A & 3R; 5.5MCCCK-53A & 53R; 6.5MCCCK-3A & 3R & 4R	210-0244	1	3.5MCCCK; 4.0MCCCK		
17	305-0397	1	Diode, Rectifier - With Lead and Connector	210-0239	1	5.5MCCCK; 6.5MCCCK		
18	332-0556	1	Connector, Quick-Disconnect	31	STUD - THROUGH GENERATOR			
19	END BELL 211-0097	1	3.5MCCCK-51A & 51R; 4.0MCCCK-1A & 1R; 5.5MCCCK-51A & 51R & 52R; 6.0MCCCK-1A & 1R	520-0502	2	3.5MCCCK; 4.0MCCCK (5/16-18 x 12-3/16")		
	211-0098	1	3.5MCCCK-53A & 53R; 4.0MCCCK-3A & 3R; 5.5MCCCK-53A & 53R; 6.0MCCCK-3A & 3R & 4R	520-0498	2	5.5MCCCK; 6.5MCCCK (5/16-18 x 15-11/16")		
20	232-0596	1	Clip, Retaining - Bearing	32	232-1256	1	Plate, Baffle - Air	
				33	516-0103	2	Pin, Roll	
				34	231-0124	1	Adapter - Generator to Engine	
				35	STUD - THROUGH ROTOR			
				520-0407	1	5.5MCCCK-51A & 51R & 52R; 6.5MCCCK-1A & 1R (7/16-14 x 17-7/8")		
				520-0491	1	3.5MCCCK-51A & 51R; 4.0MCCCK-1A & 1R (7/16-14 x 14-1/2")		
				520-0525	1	3.5MCCCK-53A & 53R; 4.0MCCCK-3A & 3R (7/16-14 x 15-7/8")		
				520-0595	1	5.5MCCCK-53A & 53R; 6.5MCCCK-3A & 3R & 4R (7/16-14 x 19-1/2")		

GENERATOR - SPEC D ONLY



GENERATOR - SPEC D ONLY

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	815-0454	4	Screw, Tapping - Hex Head (5/16-18 x 1-1/4")
2	403-0934	1	Bracket, Lifting
3	234-0362	1	Wrapper, End Bell
4	812-0156	2	Screw, Machine - Round Head (1/4-20 x 1-1/2")
5	850-0040	2	Washer, Lock - Spring (1/4")
6	232-2107	1	Cover, Generator Fan
7	870-0203	1	Nut, Hex (7/16-20)
8	850-0055	1	Washer, Lock - Spring (7/16")
9	205-0090	1	Fan, Generator
10	862-0015	8	Nut, Hex (5/16-18)
11	850-0045	4	Washer, Lock - Spring (5/16")
12	526-0115	4	Washer, Flat (11/32" ID x 11/16" OD x 1/16" Thk)
13	STUD - THROUGH GENERATOR		
	520-0730	4	5.5MCCK; 6.5MCCK
	520-0731	4	3.5MCCK; 4.0MCCK
14	813-0103	4	Screw, Machine - Round Head (#10-32 x 3/4")
15	870-0053	4	Nut, Hex (#10-32)
16	853-0008	4	Washer, Lock - External Tooth (#10)
17	526-0049	4	Washer, Flat - Brass (0.20" ID x 7/16" OD x 1/32" Thk)
18	312-0182	3	Capacitor (0.1 Mfd)
19	312-0017	2	Capacitor (0.5 Mfd)
20	815-0359	12	Screw, Tapping - Hex Washer Head (#10-32 x 7/8")
21	214-0096	8	Brush, Collector Ring
22	214-0095	4	Brush, Commutator
23	212-1232	12	Spring, Brush
24	212-0359	2	Block, Generator Brush - Bottom & Right Side Position
25	212-0360	2	Block, Generator Brush - Top & Left Side Position
26	338-0592	1	Wiring Harness - Generator
27	800-0051	2	Screw, Cap - Hex Head (3/8-16 x 1-1/4")
28	850-0050	2	Washer, Lock - Spring (3/8")
29	526-0030	2	Washer, Flat (13/32" ID x 7/8" OD x 1/8" Thk)
30	232-2109	1	Support, Generator
31	211-0187	1	End Bell, Generator
32	516-0182	8	Pin, Dowel (1/4" OD x 3/4")
33	STATOR, GENERATOR		
	220-1476	1	5.5MCCK; 6.5MCCK
	220-1478	1	4.0MCCK
34	ROTOR, GENERATOR (Includes Collector Ring, Commutator and Blower Hub)		
	201-1690	1	6.5MCCK-1R & 3CR
	201-1692	1	5.5MCCK
	201-1694	1	4.0MCCK
	201-1700	1	6.5MCCK-4R
38	515-0007	1	Key, Drive - Blower Hub
39	510-0047	1	Bearing, Ball
40	232-0596	1	Clip, Retaining - Bearing
41	515-0006	1	Key, Woodruff - Crankshaft to Hub
42	STUD - THROUGH ROTOR		
	520-0730 0733	1	5.5MCCK; 6.5MCCK
	520-0731 0732	1	4.0MCCK
43	800-0051	4	Screw, Cap - Hex Head (3/8-16 x 1-1/4")
44	850-0050	4	Washer, Lock - Spring (3/8")
45	231-0150	1	Adapter, Generator

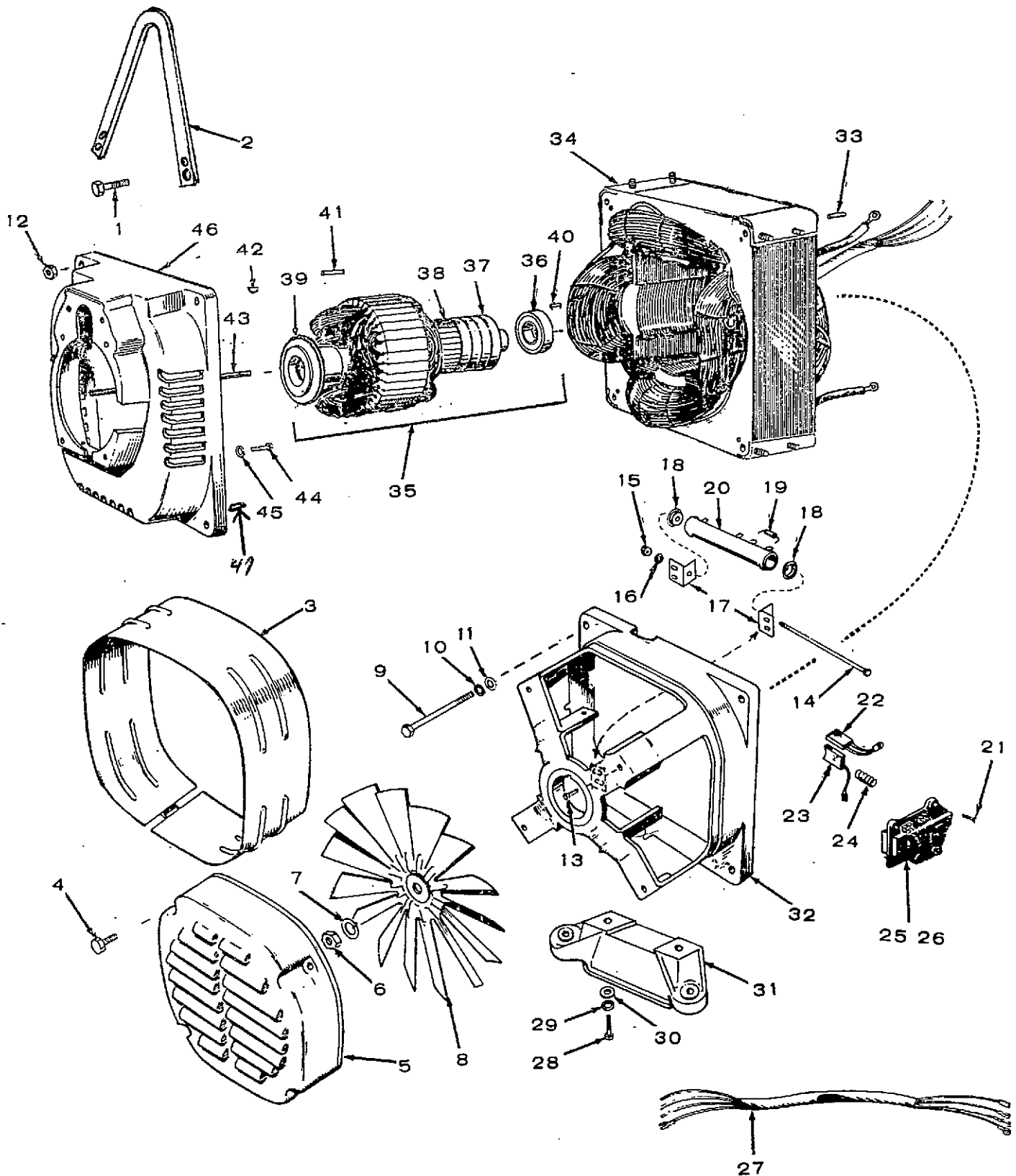
35 204-0107

36 203-0150 14y2
37 203-0151 14y1

37 232-2108

35-2108-1108
36-232-2108-1108
37-232-2108-1108

GENERATOR - SPEC E AND F ONLY



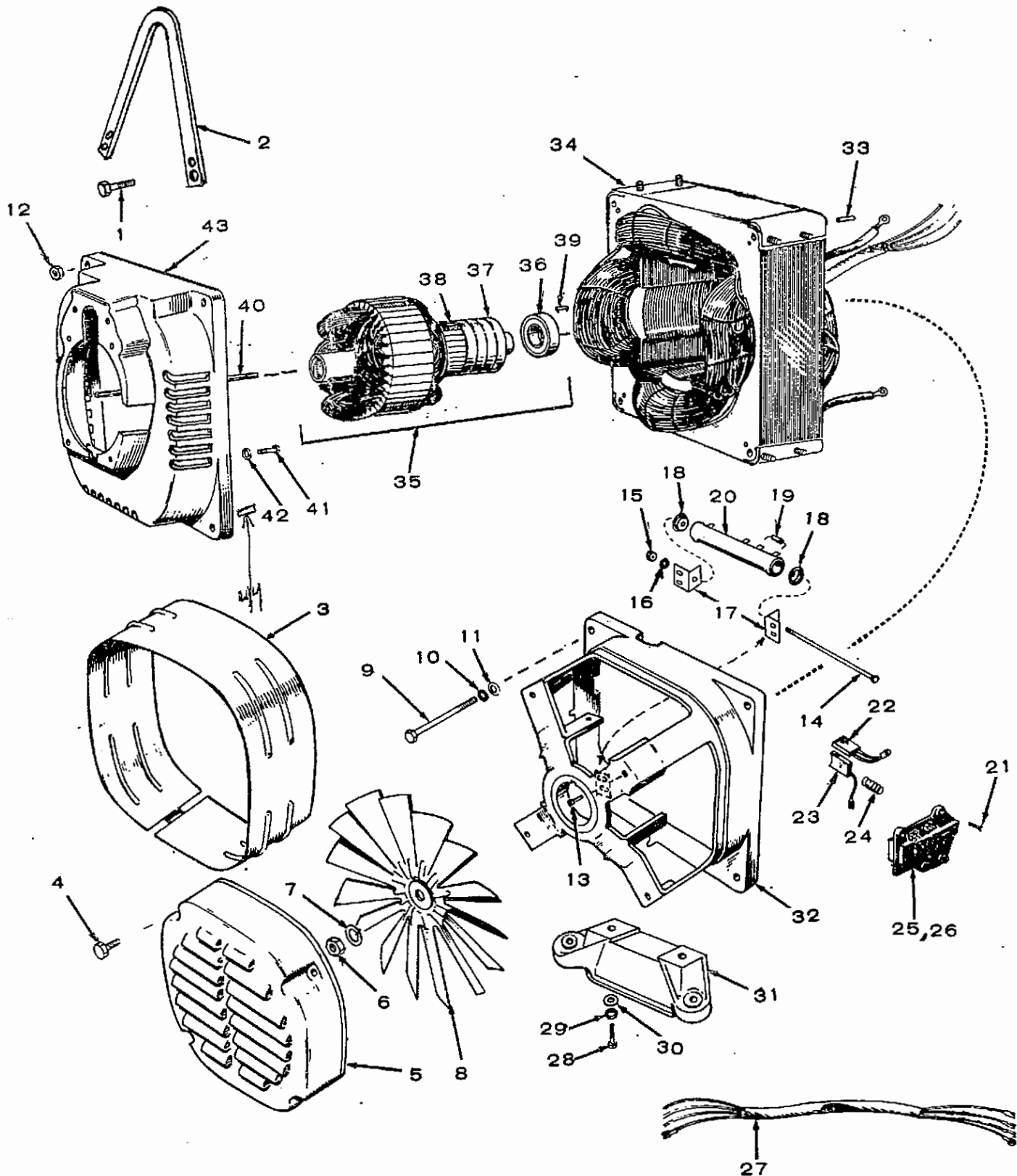
GENERATOR - SPEC E AND F ONLY

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	PART NO.	QTY. USED	PART DESCRIPTION
1	815-0454	4	Screw, Tapping - Hex Head (5/16-18 x 1-1/4")	28	800-0051	2 Screw, Cap - Hex Head (3/8-16 x 1-1/4")
2	403-0934	1	Bracket, Lifting	29	850-0050	2 Washer, Lock - Spring (3/8")
3	234-0362	1	Wrapper, End Bell	30	526-0030	2 Washer, Flat (13/32" ID x 7/8" OD x 1/8" Thk)
4	815-0441	2	Screw, Tapping - Hex Washer Head (1/4-20 x 1-1/2")	31	232-2321	1 Support, Generator
5	232-2107	1	Cover, Generator Fan	32	211-0187	1 End Bell, Generator
6	870-0203	1	Nut, Hex - Hardened (7/16-20)	33	516-0182	8 Pin, Dowel (1/4" OD x 3/4")
7	850-0055	1	Washer, Lock - Spring (7/16")	34	STATOR, GENERATOR	
8	205-0090	1	Fan, Generator		220-1816	1 5.5MCCK-Spec E; 6.5MCCK-Spec E
9	SCREW, CAP-HEX HEAD				220-1818	1 3.5MCCK-Spec F; 4.0MCCK-Spec E & F
	800-0043	4	3.5MCCK, 4.0MCCK (5/16-18 x 5")		220-1821	1 6.5MCCK-Spec F
	800-0044	4	5.5MCCK, 6.5MCCK (5/16-18 x 7-1/2")		220-1822	1 5.5MCCK-Spec F
10	850-0045	4	Washer, Lock - Spring (5/16")	35	ROTOR, GENERATOR (Includes Bearing, Commutator, Collector Ring and Drive Hub)	
11	526-0115	4	Washer, Flat (11/32" ID x 11/16" OD x 1/16" Thk)		201-1903	1 6.5MCCK-3CR
12	862-0015	4	Nut, Hex (5/16-18)		201-1905	1 5.5MCCK-Spec E
13	815-0333	2	Screw, Tapping - Round Head (#10-32 x 1/2")		201-1907	1 4.0MCCK
14	812-0118	1	Screw, Machine - Round Head (#10-32 x 5")		201-1912	1 5.5MCCK-Spec F
15	860-0011	1	Nut, Hex (#10-24)		201-1813	1 6.5MCCK-4R
16	850-0030	1	Washer, Lock - Spring (#10)		201-2323	1 3.5MCCK-Spec F
17	304-0706	2	Bracket, Mounting, Resistor	36	510-0047	1 Bearing, Ball
18	304-0015	2	Washer, Centering, Resistor	37	204-0110	1 Ring, Collector
19	357-0020	1	Diode, Rectifier	38	COMMUTATOR	
20	353-0047	1	Resistor, Tapped, Wirewound		203-0152	1 5.5MCCK; 6.5MCCK
21	815-0359	15	Screw, Tapping - Hex Washer Head (#10-32 x 7/8")		203-0153	1 3.5MCCK; 4.0MCCK
22	214-0096	8	Brush, Collector Ring	39	232-2316	1 Hub, Drive
23	214-0095	4	Brush, Commutator	40	232-0596	1 Clip, Retaining - Bearing
24	212-1232	12	Spring, Brush	41	515-0007	1 Key - Drive Hub
25	212-0359	2	Block, Generator Brush - Bottom & Right Side Position	42	515-0006	1 Key, Woodruff - Crankshaft/Hub
26	212-0360	2	Block, Generator Brush - Top & Left Side Position	43	STUD - THROUGH ROTOR	
27	338-0642	1	Wiring Harness - Generator		520-0732	1 3.5MCCK; 4.0MCCK
					520-0233	1 5.5MCCK; 6.5MCCK
				44	800-0051	4 Screw, Cap - Hex Head (3/8-16 x 1-1/4")
				45	850-0050	4 Washer, Lock - Spring (3/8")
				46	231-0164	1 Adapter - Generator to Engine

47 516-0196 4 * pin, Dowel (Includes Part Marked *)

* Parts included in 231-0164 Gen. Adapter.

GENERATOR - BEGIN SPEC G



GENERATOR - BEGIN SPEC G

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	815-0454	4	Screw, Tapping - Hex Head (5/16-18 x 1-1/4")
2	403-0934	1	Bracket, Lifting
3	234-0362	1	Wrapper, End Bell
4	815-0441	2	Screw, Tapping - Hex Washer Head (1/4-20 x 1-1/2")
5	232-2107	1	Cover, Generator Fan
6	870-0203	1	Nut, Hex - Hardened (7/16-20)
7	850-0055	1	Washer, Lock - Spring (7/16")
8	205-0090	1	Fan, Generator
9	SCREW, CAP-HEX HEAD		
	800-0043	4	3.5MCCK; 4.0MCCK (5/16-18 x 5")
	800-0044	4	5.5MCCK; 6.5MCCK (5/16-18 x 7-1/2")
10	850-0045	4	Washer, Lock - Spring (5/16")
11	526-0115	4	Washer, Flat (11/32" ID x 11/16" OD x 1/16" Thk)
12	862-0015	4	Nut, Hex (5/16-18)
13	815-0333	2	Screw, Tapping - Round Head (#10-32 x 1/2")
14	812-0118	1	Screw, Machine - Round Head (#10-24 x 5")
15	860-0011	1	Nut, Hex (#10-24)
16	850-0030	1	Washer, Lock - Spring (#10)
17	304-0706	2	Bracket, Mounting, Resistor
18	304-0015	2	Washer, Centering, Resistor
19	357-0020	1	Diode, Rectifier
20	353-0047	1	Resistor, Tapped, Wirewound
21	815-0359	15	Screw, Tapping - Hex Washer Head (#10-32 x 7/8")
22	214-0096	8	Brush, Collector Ring
23	214-0095	4	Brush, Commutator
24	212-1232	12	Spring, Brush
25	212-0359	2	Block, Generator Brush - Bottom & Right Side Position
26	212-0360	2	Block, Generator Brush - Top & Left Side Position
27	338-1099	1	Wiring Harness - Generator
28	800-0051	2	Screw, Cap - Hex Head (3/8-16 x 1-1/4")
29	850-0050	2	Washer, Lock - Spring (3/8")
30	526-0030	2	Washer, Flat (13/32" ID x 7/8" OD x 1/8" Thk)
31	232-2321	1	Support, Generator
32	211-0187	1	End Bell, Generator
33	516-0182	8	Pin, Dowel (1/4" OD x 3/4")
34	STATOR, GENERATOR		
	220-1818	1	3.5MCCK; 4.0MCCK
	220-1821	1	6.5MCCK
	220-1822	1	5.5MCCK
35	ROTOR, GENERATOR (Includes Bearing, Commutator and Collector Rings)		
	201-2503	1	6.5MCCK-3CR
	201-2504	1	4.0MCCK
	201-2505	1	3.5MCCK
	201-2506	1	5.5MCCK
	201-2512	1	6.5MCCK-4R
36	510-0047	1	Bearing, Ball
37	204-0110	1	Ring, Collector
38	COMMUTATOR		
	203-0152	1	5.5MCCK; 6.5MCCK
	203-0153	1	3.5MCCK; 4.0MCCK
39	232-0596	1	Clip, Retaining - Bearing
40	STUD - THROUGH ROTOR		
	520-0732	1	3.5MCCK; 4.0MCCK
	520-0233	1	5.5MCCK; 6.5MCCK
41	800-0051	4	Screw, Cap - Hex Head (3/8-16 x 1-1/4")
42	850-0050	4	Washer, Lock - Spring (3/8")
43	231-0164	1	Adapter, Generator to Engine
44	516-0146	4	X pin Dowel

X - Parts Included in 231-0164 Gen Adapter

SERVICE KITS AND MISCELLANEOUS

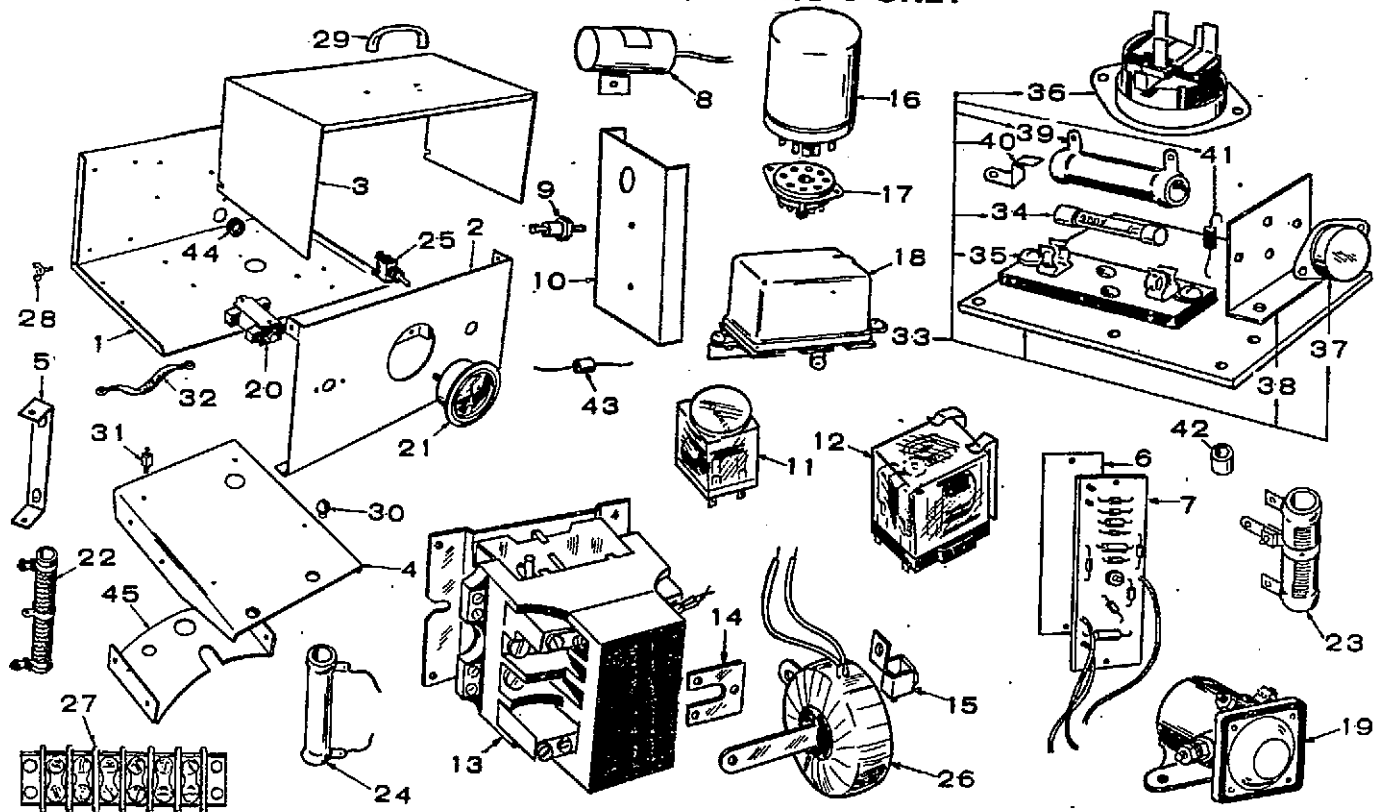
REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
	98-1807	1	Decal Kit
	168-0102	1	Gasket Kit, Engine
	168-0896	1	Ignition Tune-up Kit
	ENGINE OVERHAUL KIT		
	522-0221	1	Spec-A-Only
	522-0229	1	Begin-Spec B
	525-0216	1	Touch-up Paint (Pressurized Can) 16-Ounce - Marine White Enamel

NOTE: For other kits, refer to the group for the part in question.

OPTIONAL EQUIPMENT PARTS SECTION

This section contains illustrated parts listing of factory installed options for the generator sets. Options may not be applicable to all models; for field conversions additional parts are usually required. Optional parts listed in this section are in addition or in place of those shown in the standard parts section.

CONTROL-O-MATIC - SPEC C ONLY

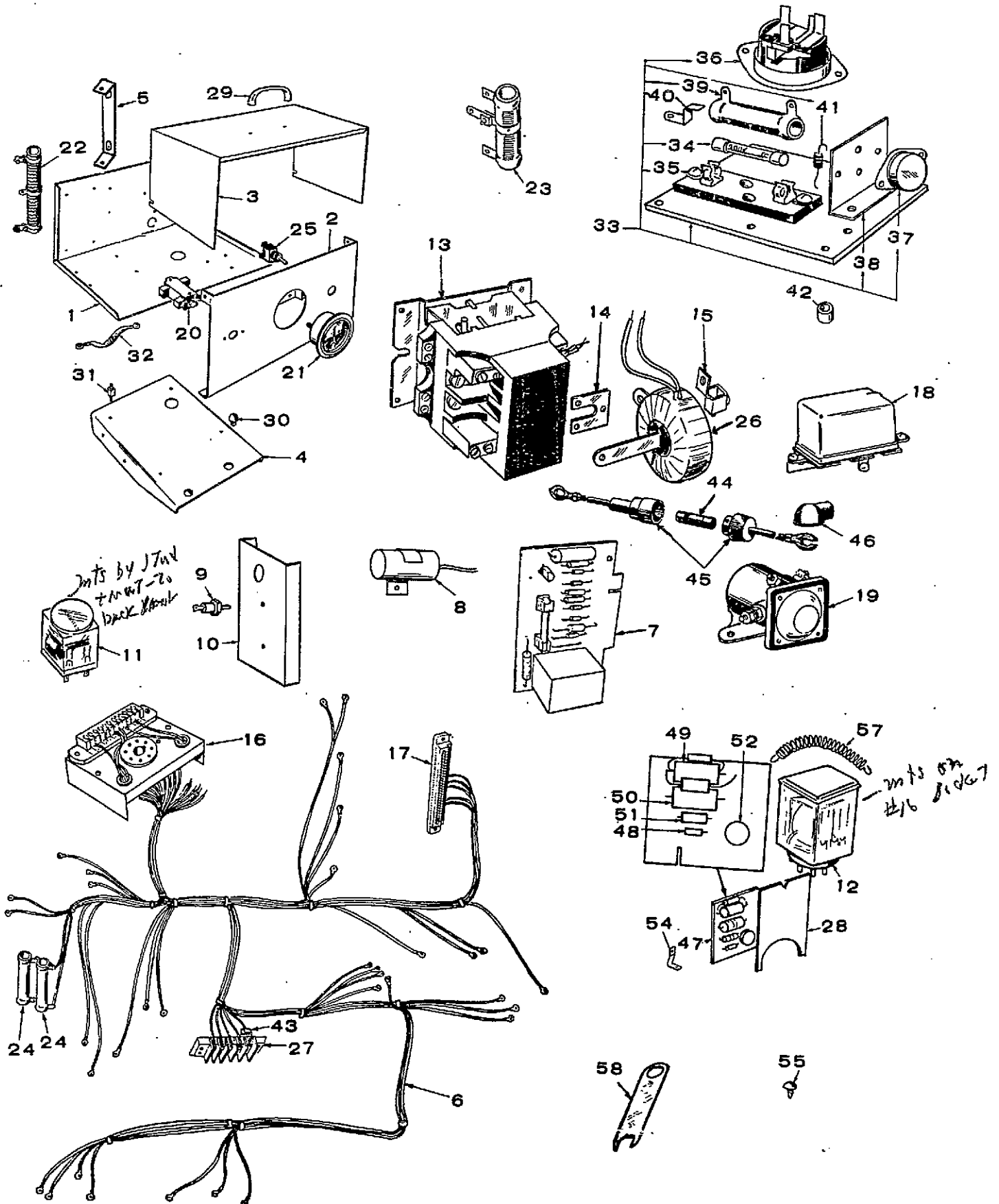


REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	
1	301-2889	1	Chassis, Control	23	RESISTOR, ADJUSTABLE			
2	301-2886	1	Panel, Control Box	304-0282	1	120 Volt Sets (300-Ohm, 25 Watt)		
3	301-2888	1	Cover, Control Box	304-0131	1	240 Volt and 120/240 Volt Sets (750-Ohm, 25 Watt)		
4	301-2887	1	Plate, Control Box Mounting	24	RESISTOR, FIXED			
5	301-3058	1	Bracket, Resistor Mounting	304-0192	1	3-Ohm, 10 Watt		
6	332-0932	1	Board, Insulating	304-0217	1	1-Ohm, 10 Watt		
7	AMPLIFIER ASSEMBLY, LOAD SENSOR			304-0060	1	72-Ohm, 25 Watt		
	300-0573	1	120 Volt Sets	308-0138	1	Switch, Selector		
	300-0574	1	240 Volt Sets	26	TRANSFORMER, CURRENT			
	300-0575	1	120/240 Volt Sets	315-0241	1	120 Volt and 240 Volt Sets		
8	312-0057	1	Capacitor (1 Mfd.)	315-0291	1	120/240 Volt Sets		
9	305-0235	2	Diode, Reverse Current	332-0699	1	Block, Terminal		
10	363-0029	1	Sink, Heat (2 Diode)	28	518-0056	2	Screw, Wing (10-32 x 1/2")	
11	307-0981	1	Relay, Start-Stop	29	406-0318	1	Handle	
12	307-0642	1	Relay, Start Disconnect	30	402-0331	2	Foot, Control Box Mounting Plate	
13	CONTACTOR			31	402-0354	4	Mount, Shock	
	307-0665	1	120 Volt Sets	32	337-0056	1	Strap, Ground	
	307-0664	1	240 Volt Sets	33	300-0567	1	Control Assembly, Bilge Blower (Includes Parts Marked *)	
	307-0666	1	120/240 Volt Sets	34	321-0139	1	*Fuse (6-1/4 Amp)	
14	JUMPER			35	321-0140	1	*Holder, Fuse	
	307-0685	2	120 Volt Sets	36	307-0993	1	*Relay, Thermal	
	160-0144	2	120/240 Volt Sets	37	362-0018	1	*Transistor, Power	
15	TERMINAL			38	363-0036	1	*Sink, Heat - Transistor Mounting	
	332-0142	4	120 Volt Sets	39	304-0121	1	*Resistor (10-Ohm, 10 Watt)	
	332-0517	4	240 Volt Sets	40	304-0670	2	*Feet, Resistor Mounting	
	332-0517	6	120/240 Volt Sets	41	350-0524	1	*Resistor (100-Ohm, 1/2 Watt)	
16	RELAY, START-RUN			42	332-1179	3	Spacer	
	307-0062	1	120 Volt and 240 Volt Sets	43	357-0004	1	Diode	
	307-0858	1	120/240 Volt Sets	44	508-0021	1	Grommet	
17	323-0380	1	Socket, Relay	45	301-2532	1	Bracket, Mounting to Generator	
18	305-0383	1	Relay, Charge Regulator (2 Step)					
19	307-0845	1	Relay, Start Solenoid					
20	307-0845	1	Switch, Emergency					
21	302-0058	1	Ammeter, Charge (10-0-10)					
22	304-0483	1	Resistor, Tapped (6-Ohms, 225 Watts)					

* - Included in 300-0567 Bilge Blower Control Assembly.

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CONTROL-O-MATIC - BEGIN SPEC D

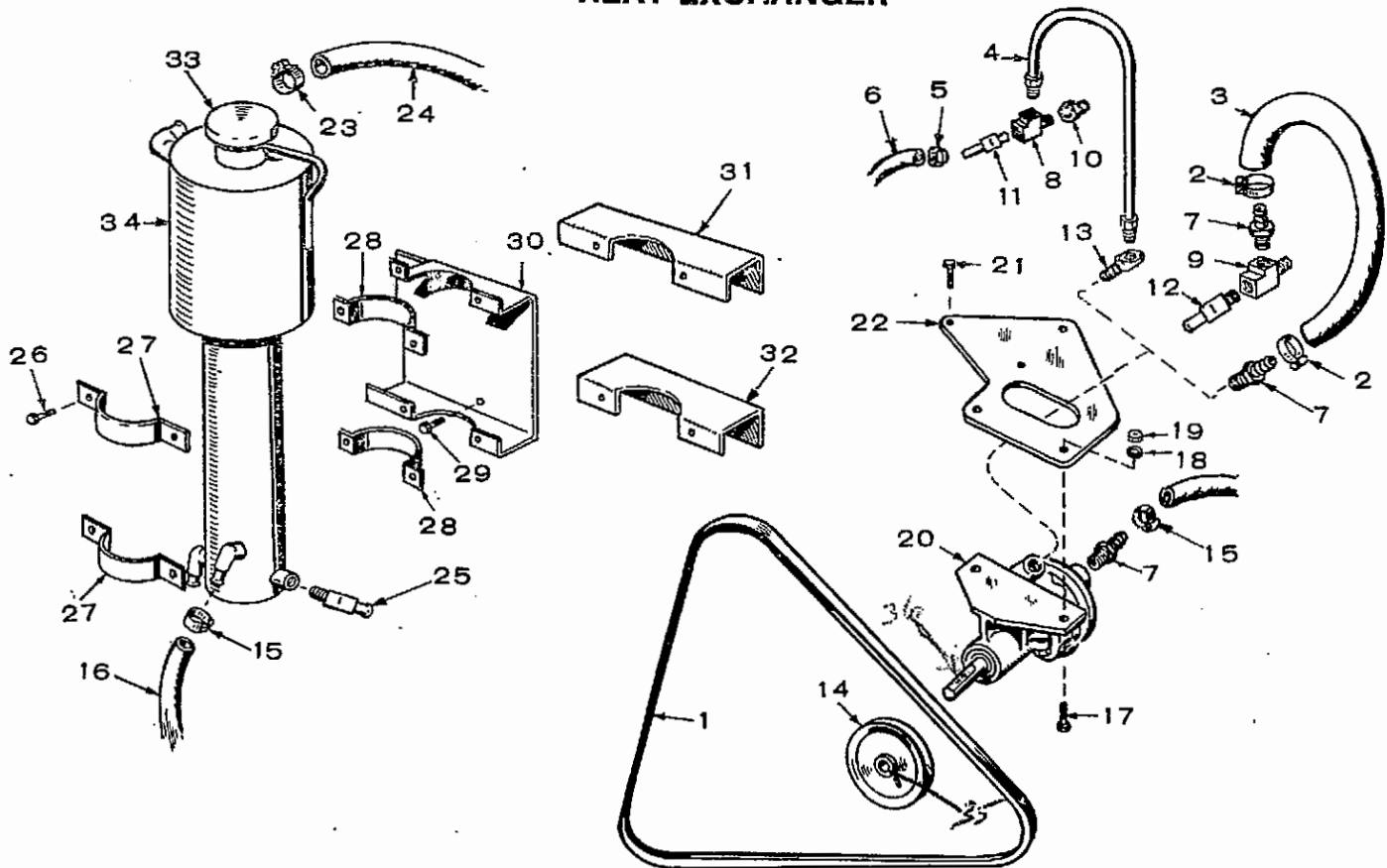


CONTROL-O-MATIC - BEGIN SPEC D

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	CHASSIS, CONTROL			25	308-0138	1	Switch, Selector
	301-3287	1	Spec D Only	26	315-0344	1	Transformer, Current
	301-3568	1	Begin Spec E	27	332-0699	1	†*Block, Terminal
2	301-2886	1	Panel, Control Box	28	301-3307	1	Spacer, Relay Hold-down
3	301-2888	1	Cover, Control Box	29	406-0318	1	Handle
4	PLATE, CONTROL BOX MOUNTING			30	402-0331	2	Foot, Control Box Mounting Plate
	301-3250	1	Spec D Only				
	301-3559	1	Begin Spec E	31	402-0354	4	Mount, Shock
5	301-3058	1	Bracket, Resistor Mounting	32	337-0056	1	Strap, Ground
6	HARNESS, WIRING			33	300-0567	1	Control Assembly, Bilge Blower (Includes Parts Marked †*)
	338-0549	1	Spec D Only (Includes Parts Marked *)				
	338-0683	1	Begin Spec E (Includes Parts Marked †)	34	321-0139	1	*Fuse (6-1/4 Amp)
7	300-0740	1	Amplifier Assembly, Load Sensor (See separate group for Components)	35	321-0140	1	*Holder, Fuse
				36	307-0993	1	*Relay, Thermal
8	312-0057	1	Capacitor (1 Mfd.)	37	362-0018	1	*Transistor, Power
9	305-0235	1	Diode, Reverse Current	38	363-0036	1	*Sink, Heat - Transistor Mounting
10	305-0254	1	Sink, Heat	39	304-0121	1	*Resistor (10-Ohm, 10 Watt)
11	307-0981	1	Relay, Start-Stop	40	304-0670	2	*Feet, Resistor Mounting
12	307-1070	1	Relay, Start-Disconnect	41	350-0524	1	*Resistor (100-Ohm, 1/2 Watt)
13	307-0665	1	Contact	42	332-1179	3	Spacer
14	307-0685	2	Jumper	43	357-0004	1	†*Diode
15	332-0142	4	Terminal	44	321-0194	1	Fuse, Cartridge (9 Amp)
16	SOCKET ASSEMBLY, START-DISCONNECT			45	321-0225	1	Fuseholder
	323-0813	1	*Spec D Only	46	332-2112	1	Insulating, Terminal
	323-0842	1	†Begin Spec E	47	300-0734	1	Amplifier Assembly, Start-Disconnect (Includes Parts Marked, **)
17	332-1282	1	†*Housing, Printed Circuit Board Terminal				
18	305-0383	1	Relay, Charge Regulator (2-Step)	48	359-0028	1	**Diode, Zener
19	RELAY, START SOLENOID			49	350-0979	1	**Resistor, 470-Ohm, 2 Watt
	307-0845	1	Spec D Only	50	350-0985	1	**Resistor, 820-Ohm, 2 Watt
	307-1166	1	Begin Spec E	51	350-0397	1	**Resistor, 2700-Ohm, 1/2 Watt
20	320-0104	1	Switch, Emergency	52	362-0032	1	**Transistor
21	302-0058	1	Ammeter, Charge (10-0-10)	54	301-3280	2	Bracket, Amplifier Mounting
22	304-0483	1	Resistor, Tapped (6-Ohm, 225 Watt)	55	518-0295	2	Fastener, Snap
23	304-0282	1	Resistor, Adjustable (300-Ohm, 25 Watt)	57	301-3306	1	Spring, Relay Hold-down
24	RESISTOR, FIXED			58	160-0144	1	Jumper, Terminal
	304-0192	1	†*3-Ohm, 10 Watt				
	304-0060	1	72-Ohm, 25 Watt				
	304-0217	1	†*1-Ohm, 10 Watt				

** - Included in 300-0734 Amplifier Assembly.
 * - Included in 300-0567 Bilge Blower Control Assembly.
 † - Included in 338-0549 Wiring Harness Assembly.
 †* - Included in 338-0683 Wiring Harness Assembly.

HEAT EXCHANGER



130-0887 *Heat Exchanger Kit - Begin Spec D (Incl parts marked +)*

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
1	511-0041	1	+ Belt, Drive - Pump	24	503-0610	1	+ Hose, Rubber - Heat Exchanger to Raw Water
2	503-0547	2	+ Clamp, Hose (Current Models)	25	502-0237	1	+ Elbow, Hose (90°)
3	503-0459	1	+ Hose, Rubber (Current Models) - Pump to Block	26	821-0013	4	Screw, Self-Locking - Hex Head (1/4-20 x 1")
4	—	1	Line, Water (Early Models) - To replace order Current Model Parts.	27	130-0632	2	+ Strap, Retaining - Heat Exchanger (Outside)
5	503-0547	2	Clamp, Hose	28	STRAP, RETAINING — HEAT EXCHANGER (Inside)		
6	503-0468	1	Hose, Rubber - Pump to Block	130-0632	2	+ Spec A through D	
7	502-0238	3	+ Nipple, Hose (Current Models)	130-0898	2	Begin Spec E	
8	502-0164	1	Tee, Pipe (Early Models)	29	821-0010	4	Screw, Self-Locking - Hex Head (1/4-20 x 1/2")
9	502-0401	1	+ Tee, Pipe (Current Models)	30	130-0887	1	+ Plate, Mounting - Heat Exchanger - Begin Spec E
10	502-0126	1	Reducer, Pipe (Early Models)	31	BRACKET, MOUNTING — HEAT EXCHANGER (Upper)		
11	502-0237	1	+ Elbow, Hose (Current Models)	130-0630	1	Spec A through D	
12	502-0304	1	Elbow, Pipe (Early Models)	130-0821	1	Spec D Only (Replace with 130-0887)	
13	502-0275	1	Elbow, Pipe (45°) (Early Models)	32	BRACKET, MOUNTING, HEAT EXCHANGER (Lower)		
14	512-0042	1	+ Pulley - Water Pump (incl set screw 803-0062)	130-0631	1	Spec A through D	
15	503-0547	2	Clamp, Hose	130-0822	1	Spec D Only (Replace with 130-0887)	
16	503-0609	1	+ Hose, Rubber - Pump to Heat Exchanger	33	CAP, PRESSURE		
17	821-0011	2	Screw, Self-Locking - Hex Head (1/4-20 x 7/8")	130-0661	1	7 LB - Spec A through C	
18	850-0040	13	+ Washer, Lock - Spring (1/4)	130-0824	1	14 LB - Begin Spec D	
19	862-0001	2	+ Nut, Hex (1/4-20)	34	EXCHANGER, HEAT		
20	132-0110	1	+ Pump - Water (less Pulley)	130-0629	1	Spec A through C	
21	821-0016	3	Screw, Self-Locking - Hex Head (5/16-18 x 3/4")	130-0820	1	+ Begin Spec D	
22	131-0172	1	+ Bracket, Mounting - Water Pump	35	803-0062	2	+ Set screw - Pulley (3/16 x 7/16)
23	503-0547	2	Clamp, Hose				

See Separate Group for Component Parts.

+ Parts included in 130-0887 Heat Exchanger Kit

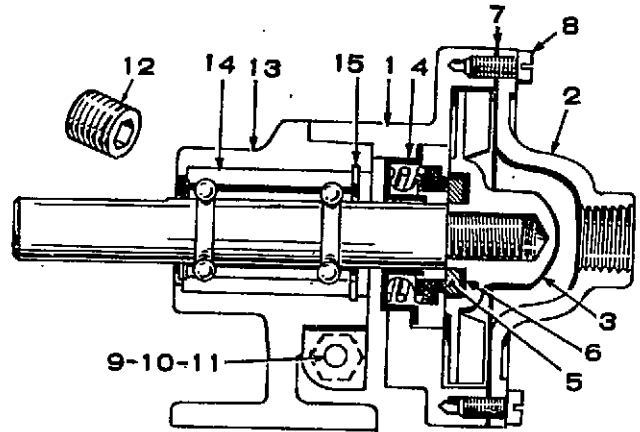
515-00229 1 + 130-0887

927-0221 (MAY 1978)

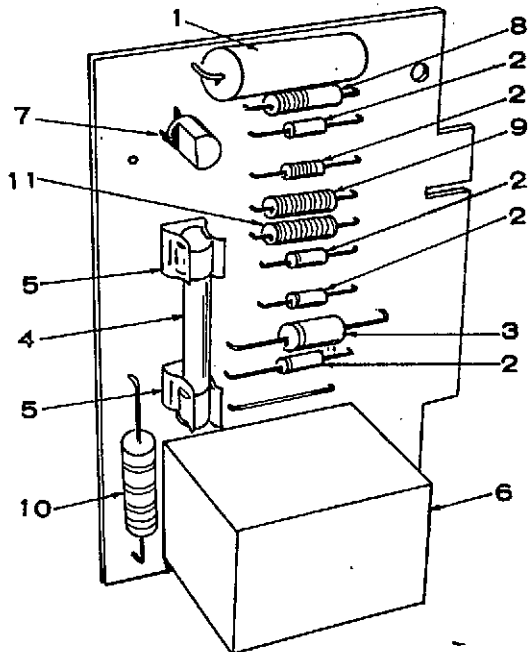
WATER PUMP PARTS

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
	132-0110	1	Pump, Water - Complete
	132-0111	1	Repair Kit (Includes Parts Marked *)
1	132-0136	1	Body, Pump
2	132-0137	1	Cover, Pump
3	132-0114	1	*Impeller
4	132-0101	1	*Seal
5	132-0091	1	*Face, Wear
6	132-0092	1	*Seat, Seal
7	132-0112	1	*Gasket, Cover
8	132-0113	6	*Screw, Cover
9	132-0138	1	Screw, Cap
10	132-0139	1	Lockwasher
11	132-0140	1	Nut, Hex
12	132-0141	1	Plug, Drain
13	132-0142	1	Pedestal
14	132-0089	1	*Shaft and Bearing Assembly
15	132-0132	1	Ring, Snap

* - Parts included in the 132-0111 Repair Kit.



LOAD SENSOR AMPLIFIER



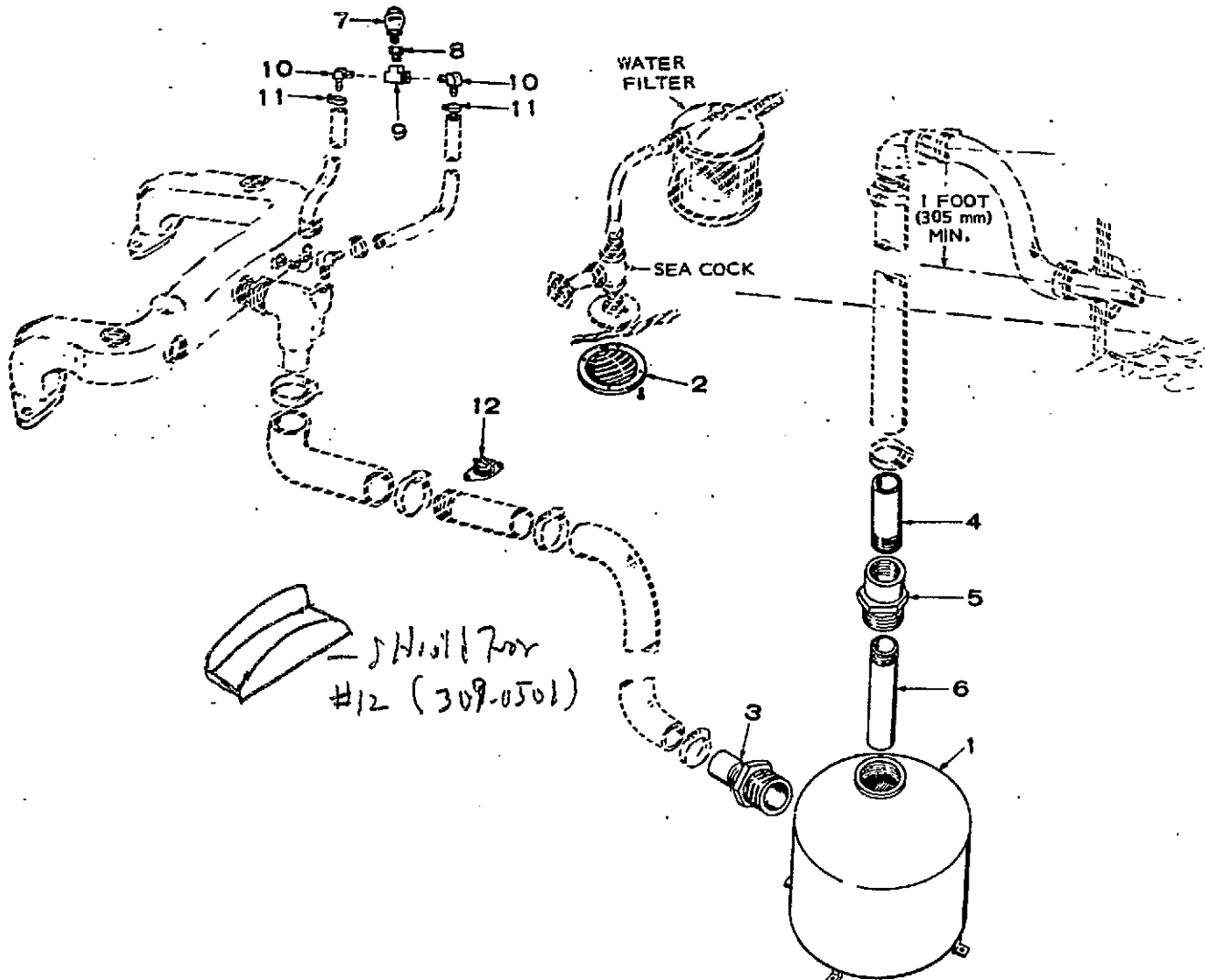
REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
	300-0740	1	Amplifier, Load Sensor -
1	356-0009	1	Capacitor - 10 Mfd.
2	357-0004	5	Diode, 400 MA., 400 Volt
3	359-0029	1	Diode, Zener 18 Volt, 2 Watt
4	321-0202	1	Fuse, 3/8 Amp
5	321-0163	2	Clip, Fuse
6	307-1087	1	Relay, Dual Coil
7	362-0007	1	Transistor, Signal
8	350-0548	1	Resistor, 10,000-Ohm, 1/2 Watt
9	350-0528	1	Resistor, 220-Ohm, 1/2 Watt
10	352-0111	1	Resistor, 47-Ohm, 2 Watt
11	350-0520	1	Resistor, 47-Ohm, 1/2 Watt

NOTE: This group applies to sets with Control-O-Matic.

MISC. OPTIONS

1 110-3136 2. Gasket, Valve Guide } to stop oil seepage
 2 110-1827 4 Guide, Valve

AQUALIFT EXHAUST SYSTEM



REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
	155-1004	1	Kit, Aqualift Muffler (Includes items 1 and 2)
1	155-0929	1	Muffler, Exhaust - Aqualift Marine
2	155-1002	1	Strainer, Water - Thru Hull
	155-0955	1	Package, Muffler - Hookup (Includes Parts Marked *)
3	155-1121	1	* Inlet Assembly, Epoxy Coated
4	505-0721	1	*Nipple, Pipe - Half, Galvanized (1-1/4" NPT x 3")
5	505-0635	1	*Bushing, Double Tapped (1-1/4" NPT x 2" NPT)
6	505-0632	1	*Nipple, Pipe - Half, Galvanized (1-1/4" NPT x 9-1/4")

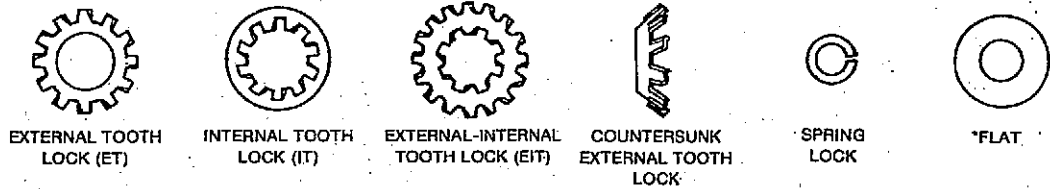
REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
	155-0950	1	Kit, Siphon Break Relief Valve (Includes Parts Marked +)
7	504-0062	1	+Valve, Vacuum Relief (1/2" NPT)
8	502-0090	1	+Tee, Pipe - Brass (3/8" NPT x 3/8" NPT x 3/8" NPT)
9	502-0270	1	+Adapter, Pipe (3/8" NPT x 1/2" NPT)
10	502-0237	2	+Elbow, Pipe to Hose (3/8" NPT)
11	503-0446	2	+Clamp, Hose (1/2")
12	309-0162	1	Switch, Thermostatic - SPSTNC (25 AMP)

* - Parts Included in Package #155-0955.
+ - Parts Included in Kit #155-0950.

HARDWARE IDENTIFICATION

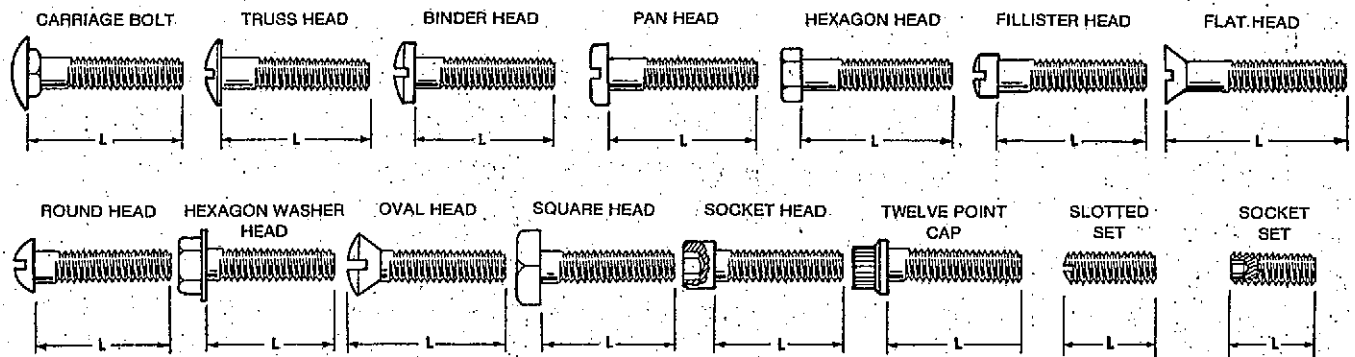
Illustrated hardware items are only for identification purposes. All hardware items listed throughout this parts catalog are steel SAE grade five (5) or lower (zinc plated with clear chromate dip) unless parts description indicates differently. All dimensions are in inches.

WASHER TYPES



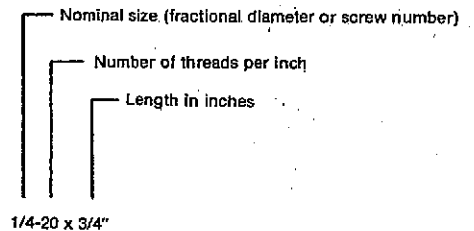
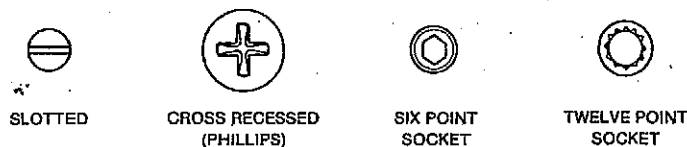
- Flat washer dimensions given are: Inside Diameter (ID), Outside Diameter (OD) and Thickness (Thk).

BOLT AND SCREW TYPES



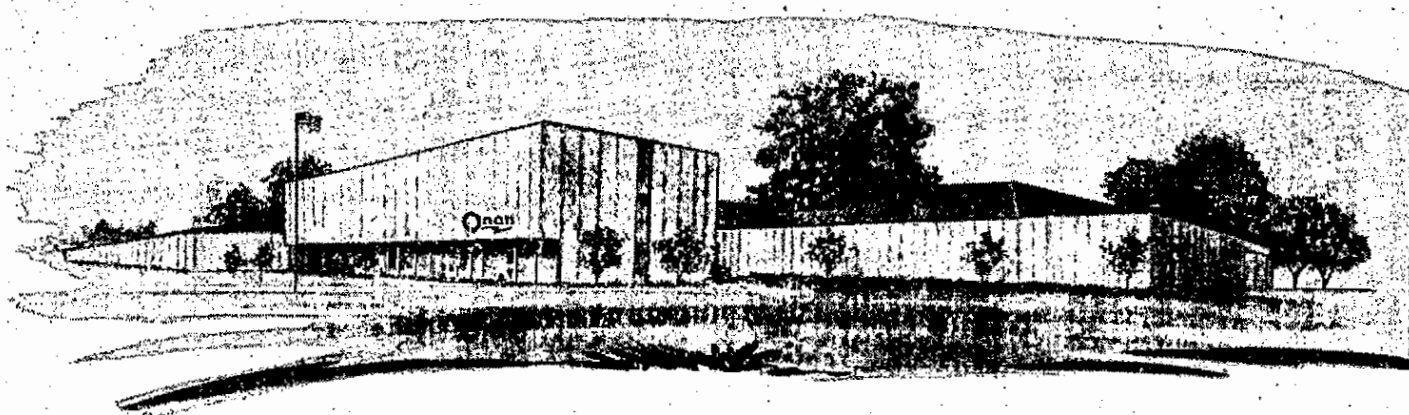
L - Measure length between these points.

INTERNAL DRIVE TYPES



NUT TYPES





ONAN 1400 73RD AVENUE N.E. • MINNEAPOLIS, MINNESOTA 55432
A DIVISION OF ONAN CORPORATION

