

# TM 5-3431-204-35P

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

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FIELD AND DEPOT MAINTENANCE REPAIR

PARTS AND SPECIAL TOOL LISTS

WELDING MACHINE, ARC: GENERATOR;

GASOLINE ENGINE DRIVEN; SINGLE

OPERATOR; REMOTE CONTROL; 300 AMP,

DC, ARC; SKID MTD; 60 AMP AT 20V

MIN, 375 AMP AT 40V MAX CURRENT; DC

115V, 3 KW AUXILIARY POWER; MIL SPEC

W-13768 (HOBART MODELS) (HOBART MODEL

GH-3153) FSN 3431-351-9209

(HOBART MODEL GR-3153-S) FSN 3431-239-8186



HEADQUARTERS, DEPARTMENT OF THE ARMY

JANUARY 1963



CHANGE }  
No. 1 }

HEADQUARTERS  
DEPARTMENT OF THE ARMY  
WASHINGTON, D. C., 27 February 1968

**Field and Depot Maintenance Repair Parts and Special Tool  
Lists**

**WELDING MACHINE, ARC; GENERATOR; GASOLINE ENGINE DRIVEN;  
SINGLE OPERATOR; REMOTE CONTROL; 300 AMP, DC, ARC; SKID  
MOUNTED; 60 AMP AT 20V MIN., 375 AMP AT 40V MAX. CURRENT;  
DC, 115V, 3KW AUXILIARY POWER  
(MIL SPEC W, 13768 HOBART MODELS)  
(HOBART MODEL GH-3153)  
FSN 3431-351-9209  
(HOBART MODEL GH-3153-S)  
FSN 3431-239-8186**

TM 5-3431-204-35P, 29 January 1963, is changed as follows:

The title is changed as shown above.

*Page vii*, Paragraph 5, Federal Supply Code for Manufacturers

The following Federal supply codes are added to the list in proper numerical order:

- 23040 .....Ford Motor Co., Parts and accessories operation
- 86403 ..... Chrysler Corp., Parts Division
- 92278 .....Haines Jack Co.

Paragraph 6 is superseded as follows:

**6. Report of Equipment Publication Improvements.**

Report of errors, omissions, and recommendations for improving this manual by individual user is encouraged. Reports should be submitted on a DA Form 2028 (Recommended Changes to

DA Publications) and forwarded direct to Commanding General, U.S. Army Mobility Equipment Command, ATTN: AMSME-MPP, 4300 Goodfellow Boulevard, St. Louis, Mo. 63120.

All Federal stock numbers and reference numbers, additions, changes, and deletions should be made to indexes.



PAGE	LINE	ACTION	SOURCE CODES				FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDABILITY	QTY. INCORPORATED IN UNIT	15-Day Org. Maint.		GUIDE QUANTITIES PER 100 EQUIPMENTS					ILLUST.	
			TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVERABILITY						2nd	ECH	FIELD MAINTENANCE 15-DAY LEVEL		DEPOT MAINTENANCE			FIG. NO.	ITEM NO.
														1-5 EQP.	6-10 EQP.	3rd ECH	4th ECH	5th ECH		
a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p					
24	5	Chg. col. e					2910-358-4748	0301 — CARBURETOR: FUEL INJECTION GASKET: * * * (74865) 562221												
26	1	Chg. col. e					4720-541-3662	0304 — AIR CLEANER HOSE AIR CLEANER * * * (28835) 5CW713												
40	2	Chg. col. e, col. f,					2930-364-2760	0504 — WATER PUMP PUMP, WATER (86403) 1064925												
47	17	Mfg. Code Chg. cols. b and c.						0603 — STARTER RELAY ASSEMBLY (19728) SS4708												
	42	Chg. cols. b and c.						RELAY SOLENOID (19728) SSX4103T												
54	18	Chg. cols. e and f.					2920-516-6778	0604 — IGNITION COMPONENTS SPARK PLUG "A" (70040) SR44E												
	20	Chg. cols. e, f Mfg. code					2920-817-8724	SPARK PLUG "B" (23040) AR8S												
55	2	Chg. cols. e, f Mfg. code					2920-272-1331	0607 — INSTRUMENT OR ENGINE CONTROL PANEL SWITCH, LOCK, IGNITION (92278) DW1014												
88	2	Chg. col. e					5910-161-6876	9901 — PARTS PECULIAR WITH MORE THAN ONE APPLICATION CAPACITOR, FIXED * * * 0.1 uf, 100V DC												

By Order of the Secretary of the Army:

**HAROLD K. JOHNSON,**  
*General, United States Army,*  
*Chief of Staff.*

Official:

**KENNETH G. WICKHAM,**  
*Major General, United States Army,*  
*The Adjutant General.*

Distribution:

To be distributed in accordance with DA Form 12-25, Section I, Direct and General Support Maintenance Requirements for Welding Equipment.

TECHNICAL MANUAL }  
 No. 5-3431-204-35P }

HEADQUARTERS,  
 DEPARTMENT OF THE ARMY  
 WASHINGTON 25, D.C., 29 January 1963

**Field and Depot Maintenance Repair Parts and Special Tool Lists**

**WEIDING MACHINE, ARC; GENERATOR; GASOLINE ENGINE DRIVEN, SINGLE OPERATOR; REMOTE CONTROL; 300 AMP, DC, ARC; SKID MTD; 60 AMP AT 20V MIN, 375 AMP AT 40V MAX CURRENT; DC 115V, 3 KW AUXILIARY POWER; MIL SPEC W-13768 (HOBART MODELS) (HOBART MODEL GH-3153) FSN 3431-351-9209 (HOBART MODEL GR-3153-S) FSN 3431-239-8186**

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\* This manual, together with TM 5-3431-204-20P, 29 January 1963, supersedes Department of the Army Supply Manual ENG 7 & 8-5131, 19 October 1954, including C2, 14 July 1959.

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# SECTION I

## INTRODUCTION

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### 1. General

*a.* This manual lists repair parts and special tools for field and depot maintenance. It indicates the guide quantity factors to be used for initial repair parts stockage by field maintenance (3d and 4th echelons), and recommends quantities of repair parts for depot maintenance (5th echelon). Information and data contained herein serve as requisitioning reference material, and as a guide to determine stockage quantities of repair parts.

*b.* Price information for stock-type repair parts may be obtained from applicable Department of the Army type 2-series supply manuals.

*c.* Repair parts lists are arranged as follows:

- (1) Individual parts and major assemblies are listed alphabetically by item name within the functional groups.
- (2) Assembly components and subassemblies are indented and listed alphabetically by item name under major assemblies.
- (3) Bulk material and parts peculiar with more than one application are listed in either functional group 9501 or 9901.

*d.* Allowances are based on 1,500 hours operation per year.

*e.* Parts applicable to specific engines, serial number ranges, or models of this end item are indicated by a letter symbol in the description column, following the nomenclature. The symbols apply as follows:

- (A) Applies to Hobart Welding Machine Model GH-3153 W/Chrysler Model IND5A435 Engine.
- (B) Applies to Hobart Welding Machine Model GR-3153S W/Chrysler Model IND7A2M Engine.

Parts not symbolized or annotated are applicable to all end items.

### 2. Explanation of Repair Parts and Tool Lists

*a. Source Codes.* This column is subdivided into four columns as follows:

- (1) *Technical service.* This column lists either the basic number of the technical service or code symbol of the supply center assigned supply responsibility for the part. The blank spaces denote Corps of Engineers supply responsibility. General Engineer supply parts are identified by the letters "GE" in parentheses, following the nomenclature in the description column. Other technical service basic numbers or supply center code symbols are:

9-Ordnance Corps  
10-Quartermaster Corps  
11-Signal Corps  
55-Transportation Corps

- (2) *Source.* The selection status and source of supply for each part are indicated by one of the following code symbols:

- (a) P-applied to high-mortality repair parts which are stocked in or supplied from the technical service depot system and authorized for use at indicated maintenance echelons.
- (b) P1-applied to repair parts which are low-mortality parts, stocked in or supplied from technical service depots, and authorized for installation at indicated maintenance echelons.
- (c) M-applied to repair parts which are not procured or stocked but are to be manufactured at indicated maintenance echelons.
- (d) A-applied to assemblies which are not procured or stocked as such but made up of two or more units, each of which carry individual stock numbers and descriptions and are

procured and stocked and can be assembled by units at indicated maintenance echelons.

- (e) X—applied to parts and assemblies which are not procured or stocked, the mortality of which normally is below that of the applicable end item, and the failure of which should result in retirement of the end item from service.
  - (f) X1—applied to repair parts which are not procured or stocked, the requirement for which will be supplied by use of next higher assembly or component.
  - (g) X2—applied to repair parts which are not stocked. The indicated maintenance echelon requiring such repair parts will attempt to obtain them through cannibalization; if not obtainable through cannibalization, such repair parts will be requisitioned with supporting justification through normal supply channels.
  - (h) C—applied to repair parts authorized for local procurement. If not obtainable from local procurement, such repair parts will be requisitioned through normal supply channels with a supporting statement of nonavailability from local procurement.
  - (i) G—applied to major assemblies that are procured with PEMA (Procurement Equipment Missile Army) funds for initial issue only to be used as exchange assemblies at field maintenance level. These assemblies will not be stocked above field maintenance level or returned to depot supply level.
  - (j) Z—applied to obsolete repair parts no longer stocked or procured.
- (3) Maintenance.
- (a) The lowest maintenance echelon authorized to install or manufacture the part is indicated by one of the following code symbols:

O—Organizational Maintenance (1st and 2d echelons)  
F—Field Maintenance (3d echelon)  
H—Field Maintenance (4th echelon)  
D—Depot Maintenance (5th echelon)

- (b) This column is blank when components of kits or sets are listed that are not applicable to the item of equipment, or when an item is source coded X1.

- (4) *Recoverability.* Repair parts that are recoverable are indicated by one of the following code symbols:

- (a) R—applied to repair parts and assemblies which are economically repairable at field maintenance activities (3d and 4th echelons) and normally are furnished by supply on an exchange basis.
- (b) T—applied to high-dollar value recoverable repair parts which are subject to special handling and are issued on an exchange basis. Such repair parts normally are repaired or overhauled at depot maintenance activities.
- (c) U—applied to repair parts specifically selected for salvage by reclamation units because of precious metal content, critical materials, high-dollar value reusable casings, castings, and the like.

*Note.* When no code is shown in the recoverability column the part is considered expendable.

*b. Federal Stock Numbers.* When a Federal stock number is available for a part, it will be shown in this column and used for requisitioning purposes.

*c. Description.*

- (1) The item name and a brief description of the part are shown.
- (2) A five-digit Federal supply code for manufacturers and/or other technical services is shown in parentheses, followed by the manufacturer's part

number. This number will be used for requisitioning purposes when no Federal stock number is indicated in the Federal stock number column.

Example: (08645) 86453.

- (3) Repair part quantities included in kits, sets, and assemblies, that differ from the actual quantity used in this specific end item, are listed in parentheses.
- (4) When repair parts are source coded "C," the manufacturer's part number will be used for local procurement.

*d. Unit of Issue.* If no abbreviation is shown in this column, the unit of issue is "each".

*e. Quantity Incorporated in Unit.* The actual number of parts used in the application indicated is shown in this column. A zero (0) is shown when components of kits or sets are listed that are not applicable to this specific end item.

*f. Guide Quantity Per 100 Equipments.* Shown for each repair part applicable to 3d, 4th, and/or 5th echelon maintenance is either an allowance factor or an asterisk allocation which indicates the following:

- (1) A guide quantity factor is shown for each part authorized to be stocked by field maintenance and supply support activities (3d and 4th echelons), and the number of repair parts recommended for depot maintenance (5th echelon). This factor is based on the latest mortality data for 1,500 hours operation per year and is the average quantity required by the various maintenance echelons to provide maintenance and supply support for 100 items of equipment for a 15-day period under average combat conditions.
- (2) The quantities of repair parts authorized for stockage are determined by using the following mathematical formula:

*Quantity of equipment to be supported, multiplied by the listed allowance factor, divided by 100.*

Fractions derived from the use of the above formula will be rounded to whole numbers as follows:

If the result is 1 or more and includes a fraction that is 0.5 or more, the quantity is rounded to the next higher number.

*Example:* If the number of equipment supported is 30 and the allowance factor for 100 equipments is 5, the following formula would be used:

$$30 \times 5 \div 100 = 1.5$$

The resulting fraction is 1.5; therefore, the stockage is 2.

If the result is 1 or more and includes a fraction of less than 0.5, the quantity reverts to the next lower number. When the computed result is less than 0.5, no quantity is authorized. However, if the item is combat essential, a quantity of 1 is authorized.

*Example:* If the number of equipment supported is 30 and the allowance factor for 100 equipments is 28, the following formula would be used:

$$30 \times 28 \div 100 = 8.4$$

The resulting fraction is less than 0.5; therefore, the stockage is 8.

- (3) In the guide quantity columns for field maintenance, additional repair parts which may be required to perform maintenance, but not authorized for stockage, are listed without a guide quantity factor. These items are identified by an asterisk and are to be requisitioned for immediate use only.
- (4) Parts that may be required for depot maintenance, in addition to those allocated, are identified by an asterisk. These parts are to be requisitioned, when required, if not obtainable from reclamation, fabrication, or local procurement.
- (5) Combat essential items of a critical nature which must be stocked at field maintenance at all times, regardless of demand will be identified in the allowance column by inclosing the allowance factor in parentheses. Parts author-

ized for use but not for initial stockage will be identified with an asterisk in the allowance column.

*g. Field Maintenance 15-Day Level, 3d and 4th Echelons.*

- (1) *Third echelon.* This column lists the initial guide quantity allowance factors of repair parts authorized for initial stockage by Engineer Field Maintenance Shops (non-TOE), Engineer Field Maintenance Companies, Direct Support (TOE 5-237), and similar TOE units to provide 3d echelon maintenance for Mobility Command equipment and to provide organizational maintenance repair parts for supported units for a 15-day period. Additional repair parts are allocated by an asterisk for immediate use only. Upon establishment of supply records, recorded demand experience will be used to compute stockage objectives on authorized repair parts. Review of stockage objectives will be performed in the time cycle prescribed by Major Commanders. Repair parts allocated for immediate use only may be stocked when demand experience indicates a stockage of at least one.
- (2) *Fourth echelon.* This column lists initial guide quantity allocation factors Of repair parts authorized for initial stockage by Engineer Field Maintenance Shops (non-TOE), Engineer Heavy Maintenance Companies (TOE 5-278), and similar TOE units to provide 4th echelon maintenance for Mobility Command equipment for a 15-day period. Additional repair parts are allocated by an asterisk for immediate use only. Upon establishment of supply records, recorded demand experience will be used to compute stockage objectives on authorized repair parts. Review of the stockage objectives will be performed in the time cycle prescribed by Major Commanders. Repair parts allocated for immediate use only may be stocked when

demand experience indicates a stockage objective of at least one.

- (3) *Units with TOE capability of performing partial or complete field maintenance for organic Mobility Command equipment.* Units organized under TOE's 5-114, 5-115, 5-117, 5-129, and similar TOE's with the TOE capability of performing partial or complete field maintenance for organic Mobility Command equipment will be authorized to stock 3d and or 4th echelon repair parts only when specific agreements are made between the Commander of the designated Engineer Parts Supply Activity, normally Direct Support Units (DSU) and using unit. Parts so furnished are in addition to the prescribed load and will be adjusted as demands indicate.
- (4) *Units with TOE Mission to provide maintenance for Mobility Command equipment of supported units.* Units organized under TOE's such as 5-214 and 5-500 with the assigned mission to provide field maintenance for Mobility Command equipment of supported units are authorized to stock 3d and 4th echelon repair parts. These repair parts will be issued from the appropriate parts supply activity (parts depot and/or DSU). Such stockage is in addition to the prescribed load and will be adjusted as demands indicate.

*h. Depot Maintenance, 5th Echelon.* This column lists the quantity of repair parts recommended for Engineer Depot Maintenance Shops (non-TOE) to provide depot maintenance for 100 equipments. Additional repair parts are allocated by an asterisk, for immediate use only. Explanation of the asterisk allowance is contained in *f* above.

*i. Illustrations.*

- (1) *Figure number.* Indicates the number of the illustration in which the part is shown.

(2) *Item number.* Indicates the reference number used to point out the part in the illustration.

### 3. Federal Stock Numbers and Manufacturers' Part Numbers

Listed alpha-numerically in the back of this manual are the requisitioning numbers shown in the Federal stock number and/or description column. The alphabetical O is listed as a numerical 0 (zero). This index also lists manufacturers' codes (as applicable) and page numbers.

*Example of index sequence:*

A	BX5-27	38.50
AA	T295	3838-141-4957
A1/2X3	0124	3885 212
A1-950	1-77	389/100.2
A1A22	2530-048-7342	389/100-18
B	2815-097-5429	3895-128-7642

### 4. Abbreviations

ac	alternating current
amp.	ampere(s)
AWG.	American Wire Gage
dc	direct current
dia	diameter (s)
F	Fahrenheit
ft	foot (feet)
gal	gallon (s)
id	inside diameter (s)
in.	inch (es)
lb	pound (s)
lg	length (long)
lh	left hand
max	maximum
min	minimum
mtg	mounting (s)
od	outside diameter (s)
rh	right hand
rpm	revolutions per minute
sh	sheet
sq	square
thd	thread (s) (ed)

thk	thick (ness)
uf	microfarad (s)
V	volt (s)
w/	with
w/o	without
w	wide, width
yd	yard

### 5. Federal Supply Code for Manufacturers

00684	Nichols Metals Mfg. Co., Inc.
04009	Arrow, Hart, and Hegeman Electric Co.
11349	Century Electric Co.
18163	Dole Valve Co.
19728	Electric Auto-Lite Co.
24161	Gates Rubber Co.
28835	Hobart Brothers Co.
60741	Triplett Electrical Instrument Co.
70040	AC Spark Plug Division of General Motors Corp.
70403	American Stamping Co.
71500	Carter Carburetor Division of ACF Industries, Inc.
74865	Chrysler Corp.
81321	Purolator Products, Inc.
81336	Corps of Engineers

### 6. Commends and Suggestions

Report all deficiencies in this manual on DA Form 2028 (Recommended Changes to DA Technical Manual Parts Lists or Supply Manual 7, 8 or 9). Submit recommendations for changes, additions, or deletions to repair parts allocation and allowance factors and other data. Additional data on climatic and terrain conditions of operation, operational age of the equipment, and the hours operated in the period covered by item 7 of DA Form 2028 are desired. Submit to the Commanding Officer, U.S. Army Mobility Support Center, ATTN: SMOMS-MS, P. O. Box 119, Columbus 16, Ohio. Direct communication is authorized.



SOURCE CODES

TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVER-ABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDA-BILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUS-TRATIONS		
									15 DAYS FIELD MAINTENANCE 3RD ECH 100 EQUIPMENTS	4TH ECH	DEPOT MAINTENANCE 5TH ECH	FIG NO	ITEM NO	
SECTION II. REPAIR PARTS LIST														
GROUP 01 - ENGINE														
0100 - ENGINE ASSEMBLY														
X2	F				ENGINE, GASOLINE, CHRYSLER MODEL IND5A435			1	*	*	*			
X2	F				ENGINE, GASOLINE, CHRYSLER MODEL IND7A2M			1	*	*	*			
P1	O			2805-353-8007	GASKET SET: ENGINE OVERHAUL (INCLUDES COMPONENTS OF GASKET SET, STOCK NO. 2805-560-9323)			1	*	*		100		
X1				2910-366-6529	GASKET: CARBURETOR FLANGE			1	SEE GROUP	301		SEE GROUP	0301	
X1					GASKET: CARBURETOR FLANGE (1)			0						
X1					GASKET: CARBURETOR FLANGE (1)			0						
X1					GASKET: CARBURETOR FLANGE (1)			0						
X1				2805-366-6424	GASKET: CHAIN CASE COVER (1)			0						
X1				2805-737-3645	GASKET: CHAIN CASE COVER			1	SEE GROUP	105		SEE GROUP	0105	
X1					GASKET: CHAIN CASE COVER PLATE			1	SEE GROUP	105		SEE GROUP	0105	
X1				2805-190-4219	GASKET: EXHAUST PIPE FLANGE (1)			0						
X1					GASKET: EXHAUST PIPE FLANGE (1)			0						
X1				2910-351-6360	GASKET: FUEL PUMP FLANGE			1	SEE GROUP	302		SEE GROUP	0302	
X1					GASKET: FUEL PUMP FLANGE (1)			0						
X1				5330-199-5742	GASKET: OIL PRESSURE RELIEF VALVE CAP			1	SEE GROUP	108		SEE GROUP	0108	
X1				2805-362-1266	GASKET: OIL PUMP COVER (1)			0						
X1				5330-298-0765	GASKET: OIL PUMP COVER (1)			0						
X1					GASKET: OIL PUMP TO CYLINDER BLOCK			1	SEE GROUP	108		SEE GROUP	0108	
X1				5330-245-5503	GASKET: SPARK PLUG			6	SEE GROUP	604		SEE GROUP	0604	
X1				2930-215-5121	GASKET: WATER PUMP TO CYLINDER BLOCK			1	SEE GROUP	504		SEE GROUP	0504	
X1				2805-353-8111	GASKET SET: MANIFOLD			1	SEE GROUP	100		SEE GROUP	0100	
X1				2805-353-8135	GASKET SET: OIL PAN			1	SEE GROUP	108		SEE GROUP	0108	
X1				2805-172-9762	WASHER, NONMETALLIC; OIL PUMP COVER, RUBBER; 2.487 IN. ID, 2.601 IN. OD, 0.095 IN. THK			1	SEE GROUP	108		SEE GROUP	0108	
P1	O			2805-620-0098	GASKET SET: ENGINE OVERHAUL (INCLUDES COMPONENTS OF GASKET SET, STOCK NO. 2805-024-2076)			1	*	*		100		
X1				2910-575-3771	GASKET: CARBURETOR ADAPTER			1	SEE GROUP	301		SEE GROUP	0301	
X1				2910-366-6529	GASKET: CARBURETOR FLANGE			1	SEE GROUP	301		SEE GROUP	0301	
X1					GASKET: CARBURETOR FLANGE (1)			0						
X1				2805-366-6424	GASKET: CHAIN CASE COVER (1)			0						
X1				2805-737-3645	GASKET: CHAIN CASE COVER			1	SEE GROUP	105		SEE GROUP	0105	
X1					GASKET: CHAIN CASE COVER PLATE			1	SEE GROUP	105		SEE GROUP	0105	
X1				2805-190-4219	GASKET: EXHAUST PIPE FLANGE (1)			0						

SOURCE CODES

TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVER- ABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDA- BILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUS- TRATIONS		
									15 DAYS MAINTENANCE 3RD ECH 100 EQUIPMENTS	FIELD 4TH ECH	DEPOT MAINTENANCE 5TH ECH	FIG NO	ITEM NO	
					0100 - ENGINE ASSEMBLY (CONT)									
	X1			2805-298-0514	GASKET: EXHAUST PIPE FLANGE		"B" (74865)	683051	1	SEE GROUP	401	SEE GROUP	0401	
	X1			2910-351-6360	GASKET: FUEL PUMP FLANGE		"B" (74865)	688482	1	SEE GROUP	302	SEE GROUP	0302	
	X1			2910-773-5782	GASKET: FUEL PUMP FLANGE (1)		(74865)	688481	0					
	X1				GASKET: FUEL PUMP FLANGE (1)		(74865)	1117161	0					
	X1			5330-199-5742	GASKET: OIL PAN LEFT		"B" (74865)	1138886	1	SEE GROUP	108	SEE GROUP	0108	
	X1			2805-362-1266	GASKET: OIL PRESSURE RELIEF VALVE CAP		"B" (74865)	618622	1	SEE GROUP	108	SEE GROUP	0108	
	X1			5330-298-0765	GASKET: OIL PUMP COVER (1)		(74865)	50744	0					
	X1				GASKET: OIL PUMP COVER (1)		(74865)	863724	0					
	X1				GASKET: OIL PUMP TO CYLINDER BLOCK		"B" (74865)	695442	1	SEE GROUP	108	SEE GROUP	0108	
	X1			5330-245-5503	GASKET: SPARK PLUG		"B" (74865)	150189	6	SEE GROUP	604	SEE GROUP	0604	
	X1			2930-215-5121	GASKET: WATER PUMP TO CYLINDER BLOCK		"B" (74865)	637440	1	SEE GROUP	504	SEE GROUP	0504	
	X1			2805-173-0109	GASKET SET: MANIFOLD		"B" (74865)	780462	1	SEE GROUP	110	SEE GROUP	0110	
	X1			2805-559-1723	GASKET SET: OIL PAN		"B" (74865)	933439	1	SEE GROUP	108	SEE GROUP	0108	
	X1			2805-172-9762	WASHER, NONMETALLIC: OIL PUMP COVER, RUBBER; 2.487 IN. ID, 2.601 IN. OD, 0.095 IN. THK		"B" (74865)	1124984	1	SEE GROUP	108	SEE GROUP	0108	
	P	O		2805-024-2076	GASKET SET: ENGINE, VALVE GRINDING		"B" (74865)	1064735	1	2	*	*		
	X1			2805-047-4636	GASKET: CYLINDER HEAD		"B" (74865)	1113745	1	SEE GROUP	101	SEE GROUP	0101	
	X1			2930-244-8159	GASKET: CYLINDER WATER OUTLET ELBOW		"B" (74865)	50082	1	SEE GROUP	506	SEE GROUP	0506	
	X1				GASKET SET: VALVE SPRING COVER		"B" (74865)	980584	1	SEE GROUP	105	SEE GROUP	0105	
	X1			5330-298-0764	WASHER, NONMETALLIC: THERMOSTAT, RUBBER; 1 23/64 IN. ID, 1 55/64 IN. OD, 3/32 IN. THK		"B" (74865)	863220	1	SEE GROUP	506	SEE GROUP	0506	
	X1				WASHER: WATER PUMP BY-PASS ELBOW		(74865)	622772	1	SEE GROUP	503	SEE GROUP	0503	
	P	O		2805-560-9323	GASKET SET: ENGINE VALVE GRINDING		"A" (74865)	1325984	1	2	*	*		
	X1				GASKET: CYLINDER HEAD		"A" (74865)	1117542	1	SEE GROUP	101	SEE GROUP	0101	
	X1			2930-244-8159	GASKET: CYLINDER WATER OUTLET ELBOW		"A" (74865)	50082	1	SEE GROUP	506	SEE GROUP	0506	
	X1			2805-173-0111	GASKET SET: VALVE SPRING COVER		"A" (74865)	980583	1	SEE GROUP	105	SEE GROUP	0105	
	X1			5330-298-0764	WASHER, NONMETALLIC: THERMOSTAT, RUBBER; 1 23/64 IN. ID, 1 55/64 IN. OD, 3/32 IN. THK		"A" (74865)	863220	1	SEE GROUP	506	SEE GROUP	0506	
	X2	F		5310-012-0378	WASHER: WATER PUMP BY-PASS ELBOW		"A" (74865)	622772	1	SEE GROUP	503	SEE GROUP	0503	
	9	X2	F	5305-527-4195	NUT, PLAIN, HEXAGON: ENGINE TO SKID MTG; CADMIUM OR ZINC-CHROMATE; 1/2-13 THD SIZE				4	*	*	*	29	16
	9	X2	F	5310-044-6221	SCREW, CAP, HEXAGON HEAD: ENGINE TO SKID MTG, CADMIUM OF ZINC-CHROMATE; 1/2-13 THREAD SIZE, 2 IN. LG				4	*	*	*	29	13
	9	X2	F	5310-584-5272	WASHER, FLAT: ENGINE TO SKID MTG, PLAIN, CADMIUM OR ZINC-CHROMATE; 1/2 IN. ID, 1 1/8 IN. OD, 0.083 IN. THK				4	*	*	*	29	14
	9	X2	F		WASHER, LOCK: ENGINE TO SKID MTG, CADMIUM-CHROMATE; 0.509 IN. ID, 0.879 IN. OD, 0.125 IN. THK				4	*	*	*	29	15



SOURCE CODES

TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVER-ABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPEN- DABILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUS-TRATIONS		
									15 DAYS FIELD MAINTENANCE 3RD ECH 100 EQUIPMENTS	4TH ECH	DEPOT MAINTENANCE 5TH ECH	FIG NO	ITEM NO	
					0101 - CRANKCASE, BLOCK, CYLINDER HEAD									
	X2	H			BLOCK ASSEMBLY: CYLINDER (USED WITH ENGINE ASSEMBLY, STOCK NO. (28835) DW6369, UP TO SERIAL NO. 50,000) NOTE: SERIAL NUMBER RANGES FOR STOCK NO. (74865) 1122906 APPLY TO ALL INDENTED COMPONENTS UNLESS OTHERWISE ANNOTATED.		"B" (74865)	1122906	1	*	*			
	X2	H		2805-172-9865	BEARING, SLEEVE: CAMSHAFT, NO. 1		"B" (74865)	632465	1	SEE GROUP	105	SEE GROUP	0105	
	X2	H		2805-353-8095	BEARING, SLEEVE: CAMSHAFT, NO. 2		"B" (74865)	665786	1	SEE GROUP	105	SEE GROUP	0105	
	X2	H		2805-362-3057	BEARING, SLEEVE: CAMSHAFT, NO. 3		"B" (74865)	665787	1	SEE GROUP	105	SEE GROUP	0105	
	X2	H			CAP: MAIN BEARING, CRANKSHAFT, NO. 1		"B" (74865)	664390	1	*	*	*	2	35
	X2	H			CAP: MAIN BEARING, CRANKSHAFT, NO. 2 AND NO. 3		"B" (74865)	664065	2	*	*	*	2	24
	X2	H			CAP: MAIN BEARING, CRANKSHAFT, NO. 4		"B" (74865)	891401	1	*	*	*	2	26
	P	F		2805-303-7950	GUIDE, VALVE: STEM		"B" (74865)	1124959	12	SEE GROUP	105	SEE GROUP	0105	
	P1	F		2805-389-6498	INSERT, VALVE SEAT: EXHAUST VALVE (USED WITH ENGINE ASSEMBLY, STOCK NO. (28835) DW369, SERIAL NO. 17460 UP)		"B" (74865)	1319087	6	SEE GROUP	105	SEE GROUP	0105	
	P1	H		2805-364-2743	PISTON: STANDARD		"B" (74865)	986477	6	SEE GROUP	104	SEE GROUP	0104	
	P1	H		2805-555-5823	RING SET, PISTON: STANDARD		"B" (74865)	864118	6	SEE GROUP	104	SEE GROUP	0104	
	X2	H			SCREW, CAP, HEXAGON HEAD: CRANKSHAFT, BEARING CAP; 1/2-13 THD SIZE, 2 15/16 IN. LG		"B" (74865)	864118	8	*	*	*	2	21
	P1	F		2805-691-9488	SEAT ASSEMBLY, VALVE: EXHAUST VALVE (USED WITH ENGINE ASSEMBLY, STOCK NO. (28835) DW6369, UP TO SERIAL NO. 17,460)		"B" (74865)	66012	6	SEE GROUP	105	SEE GROUP	0105	
9	X2	H		5310-584-5272	WASHER, LOCK: MAIN BEARING CAP SCREW; CADMIUM-CHROMATE; 0.509 IN. ID, 0.879 IN. OD, 0.125 IN. THK		"B" (74865)	120384	8	*	*	*	2	22
	X2	H			BLOCK ASSEMBLY: CYLINDER (USED WITH ENGINE ASSEMBLY, STOCK NO. (28835) DW6369, SERIAL NO. 50,000 UP) NOTE: SERIAL NUMBER RANGES FOR STOCK NO. (74865) 1315574 APPLY TO ALL INDENTED COMPONENTS.		"B" (74865)	1315574	1	*	*	*		
	X2	H		2805-172-9865	BEARING, SLEEVE: CAMSHAFT, NO. 1		"B" (74865)	632465	1	SEE GROUP	105	SEE GROUP	0105	
	X2	H		2805-353-8095	BEARING, SLEEVE: CAMSHAFT, NO. 2		"B" (74865)	665786	1	SEE GROUP	105	SEE GROUP	0105	
	X2	H		2805-362-3057	BEARING, SLEEVE: CAMSHAFT, NO. 3		"B" (74865)	665787	1	SEE GROUP	105	SEE GROUP	0105	
	X2	H			CAP: MAIN BEARING, CRANKSHAFT, NO. 1		"B" (74865)	664390	1	*	*	*	2	35
	X2	H			CAP: MAIN BEARING, CRANKSHAFT, NO. 2 AND NO. 3		"B" (74865)	664065	1	*	*	*	2	24
	X2	H			CAP: MAIN BEARING, CRANKSHAFT, NO. 4		"B" (74865)	891401	1	*	*	*	2	26
	P	F		2805-303-7950	GUIDE, VALVE: STEM		"B" (74865)	1124959	12	SEE GROUP	105	SEE GROUP	0105	
	P1	F		2805-389-6498	INSERT, VALVE SEAT		"B" (74865)	1319087	6	SEE GROUP	105	SEE GROUP	0105	
	P1	H		2805-364-2743	PISTON STANDARD		"B" (74865)	986477	6	SEE GROUP	104	SEE GROUP	0104	
	P	H		2805-555-5823	RING SET, PISTON: STANDARD		"B" (74865)	864118	6	SEE GROUP	104	SEE GROUP	0104	
	X2	H			SCREW, CAP, HEXAGON HEAD: CRANKSHAFT BEARING CUP; 1/2-13 THD SIZE; 2 15/16 IN. LG		"B" (74865)	864118	8	*	*	*	2	21
9	X2	H		5310-584-5272	WASHER, LOCK: MAIN BEARING CAP SCREW; CADMIUM-CHROMATE; 0.509 IN. ID, 0.879 IN. OD; 0.125 IN. THK		"B" (74865)	120384	8	*	*	*	2	22
	X2	H	R		BLOCK ASSEMBLY: CYLINDER		"A" (74865)	1329305	1	*	*	*		
	X2	H		2805-172-9865	BEARING, SLEEVE: CAMSHAFT, NO.1		"A" (74865)	632465	1	SEE GROUP	105	SEE GROUP	0105	
	X2	H		2805-662-9349	BEARING, SLEEVE: CAMSHAFT, NO. 2		"A" (74865)	632466	1	SEE GROUP	105	SEE GROUP	0105	



SOURCE CODES

TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVER-ABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDA-BILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUS-TRATIONS		
									15 DAYS FIELD MAINTENANCE 3RD ECH 100 EQUIPMENTS	4TH ECH	DEPOT MAINTENANCE 5TH ECH	FIG NO	ITEM NO	
					0101 - CRANKCASE, BLOCK, CYLINDER HEAD (CONT)									
	X2	H		2805-353-8090	BEARING, SLEEVE: CAMSHAFT, NO. 3		"A" (74865)	632467	1	SEE GROUP	105	SEE GROUP	0105	
	X2	H			CAP: MAIN BEARING, CRANKSHAFT, NO. 1		"A" (74865)	630476	1	*	*	*	2	35
	X2	H			CAP: MAIN BEARING, CRANKSHAFT, NO. 2 AND NO. 3		"A" (74865)	630477	1	*	*	*	2	24
	X2	H			CAP: MAIN BEARING, CRANKSHAFT, NO. 4		"A" (74865)	992552	1	*	*	*	2	26
	P	F		2805-303-7950	GUIDE, VALVE: STEM		"A" (74865)	1124959	12	SEE GROUP	105	SEE GROUP	0105	
	P1	F		2805-353-8048	INSERT, VALVE SEAT: EXHAUST VALVE		"A" (74865)	1329312	6	SEE GROUP	105	SEE GROUP	0105	
	P1	H		2805-699-6422	PISTON: STANDARD		"A" (74865)	986466	6	SEE GROUP	104	SEE GROUP	0104	
	P	H		2805-555-5826	RING SET, PISTON: STANDARD		"A"		6	SEE GROUP	104	SEE GROUP	0104	
	X2	H			SCREW, CAP, HEXAGON HEAD: CRANKSHAFT BEARING CAP: 1/2-13 THD SIZE, 2 15/16 IN. LG		"A" (74865)	864118	8	*	*	*	2	21
9	X2	H		5310-584-5272	WASHER, LOCK: MAIN BEARING CAP SCREW: CADMIUM-CHROMATE; 0.509 IN. ID, 0.879 IN. OD, 0.125 IN. THK		"A" (74865)	120384	8	*	*	*	2	22
	X2	O		5306-374-3894	BOLT, EXTERNALLY RELIEVED BODY: CYLINDER HEAD MTG		(74865)	666014	4	*	*	*		
	X2	O		5306-374-3904	BOLT, EXTERNALLY RELIEVED BODY: CYLINDER HEAD MTG		(74865)	692857	15	*	*	*	1	2
55	X2	O		4820-276-9040	COCK, DRAIN: CYLINDER BLOCK, TYPE C, BRASS: PLAIN, 1/4-18 THD SIZE		(74865)	103647	1	*	*	*		
	X1			2805-047-4636	GASKET: CYLINDER HEAD (COMPONENT OF GASKET SET, STOCK NO. 2805-024-2076 AND STOCK NO. 2805-620-0098, SEE GROUP 0100)		"B" (74865)	1113745	1				1	3
	P	O		2805-353-8061	GASKET: CYLINDER HEAD (USED WITH ENGINE ASSEMBLY, STOCK NO. (28835) 3DW265 SERIAL NO. 58195 UP)		"A" (74865)	1401345	1	2	*	100	1	3
	X1				GASKET: CYLINDER HEAD (COMPONENT OF GASKET SETS, STOCK NO. 2805-560-9323 AND STOCK NO. 2805-353-8007, SEE GROUP 0100) (USED WITH ENGINE ASSEMBLY, STOCK NO. (28835) 3DW265 UP TO SERIAL NO. 58195)		"A" (74865)	1117542	1				1	3
	X2	O		2805-353-8019	HEAD, CYLINDER: W/CORE HOLE PLUG (USED WITH ENGINE ASSEMBLY, STOCK NO. (28835) DW6369, SERIAL NO. 50,000 UP)		"B" (74865)	1313-823	1	*	*	*	1	1
	X2	O		2805-353-8045	HEAD, CYLINDER: W/CORE HOLE PLUG		"A" (74865)	1326309	1	*	*	*	1	1
	X2	O		2805-364-2726	HEAD, CYLINDER: W/CORE HOLE PLUG (USED WITH ENGINE ASSEMBLY, STOCK NO. (28835) DW6369, UP TO SERIAL NO. 50,000)		"B" (74865)	1120796	1	*	*	*	1	1
9	X2	O		5310-721-5940	NUT, PLAIN, HEXAGON: CYLINDER HEAD STUD, CADMIUM OR ZINC PLATED; 7/16-20 THD SIZE				2	*	*	*		
	X2	F		5315-262-8107	PIN, STRAIGHT, HEADED: CHAIN CASE COVER DOWEL, SHANK 0.487 IN. DIA, 1/32 IN. LG		(74865)	606345	2	*	*	*		
	X2	F		5315-248-2434	PIN, STRAIGHT, HEADLESS: DOWEL, CYLINDER BLOCK TO CLUTCH HOUSING, 0.496 IN. DIA, 3/4 IN. LG		(74865)	1122532	2	*	*	*		
	X2	F			PLUG: CYLINDER BLOCK, OIL HOLE BY-PASS		"B" (74865)	1119207	1	*	*	*		

SOURCE CODES

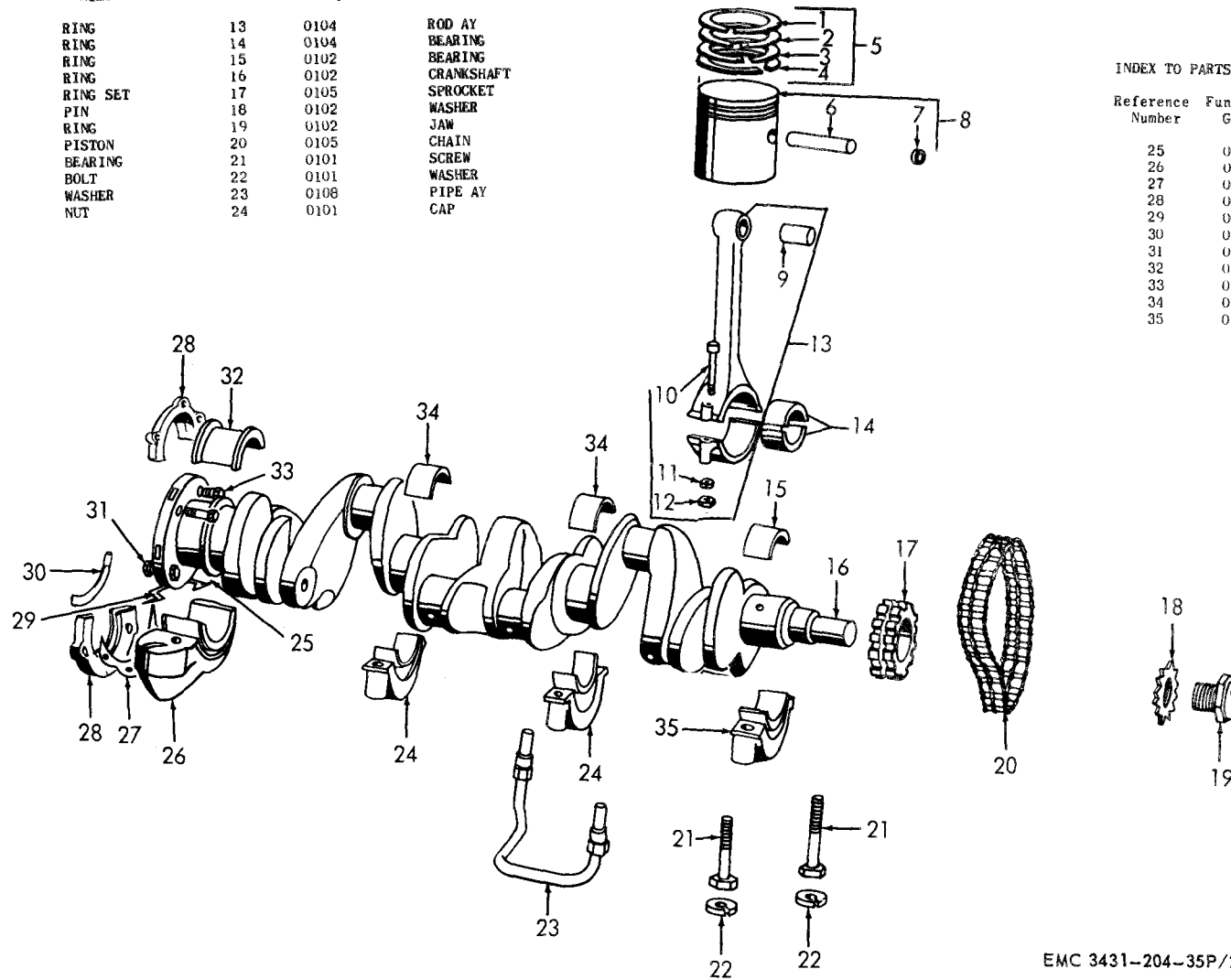
TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVER-ABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDE-BILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUS-TRATIONS			
									15 DAYS MAINTENANCE 3RD ECH 100	FIELD 4TH ECH	DEPOT MAINTENANCE 5TH ECH	FIG NO	ITEM NO		
0101 - CRANKCASE, BLOCK, CYLINDER HEAD (CONT)															
9	X2	F		5340-276-5851	PLUG, EXTENSION: CAMSHAFT BEARING, 1 3/8 IN. OD			1	*	*	*				
	X2	F		5340-050-1569	PLUG, EXPANSION: CORE HOLE, BRASS; 1 5/8 IN. OD		(74865) 117923	2	*	*	*				
	X2	F		5340-276-5849	PLUG, EXPANSION: CORE HOLE; CADMIUM PLATED; 3/32 IN. THK		(74865) 140802	1	*	*	*				
9	X2	F		5340-276-5851	PLUG, EXPANSION: CORE HOLE; 1 3/8 IN. OD		"A" (74865) 117921	1	*	*	*				
	X2	F		5340-054-1408	PLUG, EXPANSION: CORE HOLE, 1 5/8 IN. OD		"B" (74865) 117923	1	*	*	*				
	X2	F		5340-276-5851	PLUG, EXPANSION: REAR FACE, 1 3/8 IN. OD		(74865) 117924	5	*	*	*				
9	X2	F		4730-278-3039	PLUG, PIPE: HEATER HOLE; 3/8-18 THD SIZE (GE)		"B" (74865) 117923	1	*	*	*				
	X2	F		4730-263-3123	PLUG, PIPE: OIL DISTRIBUTOR HOLE, 3/8-18 THD SIZE (GE)		(74865) 103867	1	*	*	*				
	X2	F		4730-278-3388	PLUG, PIPE: OIL HOLE; SQ HEAD, GALVANIZED; 1/8-27 THD SIZE (GE)		(74865) 143162	1	*	*	*	4	2		
9	X2	F		4730-278-3412	PLUG, PIPE: RADIMETER HOLE, 1/2-14 THD SIZE (GE)		(74865) 103868	1	*	*	*				
	X2	O		4730-278-3388	PLUG, PIPE: TIMING HOLE, GALVANIZED; 1/8-27 THD SIZE (GE)			1	*	*	*				
	X2	O		5305-836-1392	SCREW, CAP, HEXAGON HEAD: CYLINDER HEAD, CADMIUM OR ZINC-CHROMATE; 3/8-16 THD SIZE; 1/2 IN. LG		(74865) 121852	1	*	*	*				
9	X2	O		5307-206-1429	STUD, PLAIN: CYLINDER HEAD, ONE END 7/16-14 THD SIZE; OTHER END 7/16-20 THD SIZE; 3 11/16 IN. LG		(74865) 640723	2	*	*	*				
	X2	O		5307-275-3784	STUD, PLAIN: EXHAUST MANIFOLD, ONE END 3/8-16 THD SIZE; OTHER END 3/8-24 THD SIZE; 1 15/16 IN. LG		(74865) 623369	4	*	*	*	7	13		
	X2	O		5307-011-4987	STUD, PLAIN: MANIFOLD, ONE END 3/8-16 THD SIZE; OTHER END 3/8-24 THD SIZE; 1 11/16 IN. LG			7	*	*	*				
9	X2	F		2930-353-7915	TUBE, WATER DISTRIBUTOR: CYLINDER BLOCK		"A" (74865) 1120672	1	*	*	*	7	12		
	X2	F		2805-366-6395	TUBE, WATER DISTRIBUTOR: CYLINDER BLOCK		"B" (74865) 954281	1	*	*	*	1	5		
	X2	O		5310-655-7149	WASHER, FLAT: CYLINDER HEAD STUD, CADMIUM OR ZINC-CHROMATE; 0.469 IN. ID, 0.922 IN. OD, 0.065 IN. THK			2	*	*	*				
9	X2	O		5310-639-8062	WASHER, LOCK: CYLINDER HEAD SCREW HOLE PLUG, CADMIUM OR ZINC-CHROMATE; 0.391 IN. ID, 0.682 IN. OD, 0.036 IN. THK		(74865) 1319068	1	*	*	*				
	0102 - CRANKSHAFT														
	9	P1	H		2805-366-6406	BEARING, SLEEVE, CRANKSHAFT: NO. 1, NO. 2, NO. 3		"B" (74865) 1238448	3	*	*	300	2	15	
P1		H		2805-353-7979	BEARING, SLEEVE, CRANKSHAFT: NO. 2 AND NO. 3		"A" (74865) 1238433	2	*	*	200	2	34		
P1		H		2805-662-8710	BEARING, SLEEVE, CRANKSHAFT: NO. 4		"B" (74865) 1238449	1	*	*	100	2	32		
9	P1	H		2805-353-7980	BEARING, SLEEVE, CRANKSHAFT: NO. 4, REAR		"A" (74865) 1238434	1	*	*	100	2	32		
	P1	H		2805-662-8453	BEARING, SLEEVE: NO. 1		"A" (74865) 1238432	1	*	*	100	2	15		
	X2	F		5306-543-4305	BOLT, MACHINE: FAN DRIVE PULLEY HUB; CADMIUM OR ZINC-CHROMATE; 5/16-24 THD SIZE, 5/8 IN. LG		(74865) 123473	6	*	*	*				
9	X2	H	T	2805-364-2730	CRANKSHAFT		"B" (74865) 870716	1	*	*	*	2	16		

INDEX TO PARTS, FIGURE 2

Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name
1	0104	RING	13	0104	ROD AY
2	0104	RING	14	0104	BEARING
3	0104	RING	15	0102	BEARING
4	0104	RING	16	0102	CRANKSHAFT
5	0104	RING SET	17	0105	SPROCKET
6	0104	PIN	18	0102	WASHER
7	0104	RING	19	0102	JAW
8	0104	PISTON	20	0105	CHAIN
9	0104	BEARING	21	0101	SCREW
10	0104	BOLT	22	0101	WASHER
11	0104	WASHER	23	0108	PIPE AY
12	0104	NUT	24	0101	CAP

INDEX TO PARTS, FIGURE 2 (cont)

Reference Number	Functional Group	Item Name
25	0102	GASKET
26	0101	CAP
27	0102	GASKET
28	0102	RETAINER AY
29	0102	GASKET
30	0102	SEAL
31	0103	NUT
32	0102	BEARING
33	0103	BOLT
34	0102	BEARING
35	0101	CAP



EMC 3431-204-35P/2

Figure 2. Piston and Crankshaft.

SOURCE CODES

TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVER-ABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPEN- DABILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUS-TRATIONS		
									15 DAYS MAINTENANCE 3RD ECH 100 EQUIPMENTS	4TH ECH	DEPOT MAINTENANCE 5TH ECH	FIG NO	ITEM NO	
					0102 - CRANKSHAFT (CONT)									
	X1			2805-386-3249	BEARING, SLEEVE: PILOT, BRONZE 0.7545 IN. MAX, 0.7535 IN. MIN ID, 0.941 IN. MAX, 0.940 IN. MIN OD, 0.8750 IN. OVERALL LG			1					4	16
	X2	H	T	2805-353-8137	CRANKSHAFT ASSEMBLY			1		*	*		2	16
	X1			2805-386-3249	BEARING, SLEEVE: PILOT, BRONZE 0.7545 IN. MAX, 0.7535 IN. MIN ID, 0.941 IN. MAX, 0.940 IN. MIN OD, 0.8750 IN. OVERALL LG			1						
	P1	F		2805-567-7362	GASKET SET: CRANKSHAFT REAR BEARING			1	*	*	100		4	16
	X1				GASKET: BEARING CAP LEFT			1					2	29
	X1				GASKET: BEARING CAP RIGHT			1					2	25
	X1				GASKET: BEARING OIL SEAL			2					2	27
	X1				SEAL: OIL, CRANKSHAFT BEARING			2					2	30
	X2	F			HUB: FAN DRIVE PULLEY			1	*	*	*		4	5
	X2	O		2805-366-6410	JAW, CRANKSHAFT STARTING			1	*	*	*		2	19
	X2	F		5315-050-5746	KEY, MACHINE: FAN DRIVE PULLEY, 1 1/8 IN. LG, 1/4 IN. SQ			1	*	*	*		4	4
	X2	F		2805-428-5201	PULLEY: FAN DRIVE			1	*	*	*		4	6
	X2	F		2805-353-8092	RETAINER ASSEMBLY: CRANKSHAFT REAR BEARING			2	*	*	*		2	28
	X2	F		5305-543-2717	SCREW, CAP, HEXAGON HEAD: CRANKSHAFT REAR BEARING OIL SEAL RETAINER; CADMIUM OR ZINC-CHROMATE; 1/4-20 THD SIZE; 3/8 IN. LG			6	*	*	*			
	P1	F		2805-353-7877	SEAL KIT, CRANKSHAFT BEARING			1	*	*	100		2	29
	X1				GASKET: BEARING CAP, LEFT			1	*	*	*		2	25
	X1				GASKET: BEARING CAP, RIGHT			1	*	*	*		2	30
	X1				SEAL: OIL, CRANKSHAFT BEARING			1	*	*	*		2	17
	X2	F			STUD: FLYWHEEL MTG			8	*	*	*		29	17
	X2	F		5310-012-1753	WASHER, LOCK: CRANKSHAFT REAR BEARING OIL SEAL RETAINER; CADMIUM OR ZINC PLATED; 0.262 IN. ID, 0.502 IN. OD, 0.025 IN. THK			6	*	*	*			
	X2	O		5310-261-7367	WASHER, LOCK: CRANKSHAFT STARTING JAW, 1.142 IN. ID, 1.827 IN. OD, 1.125 IN. THK			1	*	*	*		2	18
	X2	F		5310-012-0214	WASHER, LOCK: FAN DRIVE PULLEY HUB, CADMIUM OR ZINC-CHROMATE; 0.319 IN. ID, 0.591 IN. OD, 0.078 IN. THK			6	*	*	*			
					0103 - FLYWHEEL ASSEMBLY									
	X2	F		5306-371-4976	BOLT, FLYWHEEL: FLYWHEEL			4	*	*	*		2	33
	X2	F			FLYWHEEL ASSEMBLY			1	*	*	*		29	21
	X2	H		3020-239-2987	GEAR, SPUR: 146 TEETH			1	*	*	*		29	20
	X2	F			FLYWHEEL ASSEMBLY			1	*	*	*		29	21
	X2	H		3020-239-2987	GEAR, SPUR: 146 TEETH			1	*	*	*		29	20
	X2	F			HOUSING, FLYWHEEL			1	*	*	*		29	19

	X2	F		HOUSING, FLYWHEEL	"B" (28835) DW5532	1	*	*	*	29	19
	X2	F	5310-275-1761	NUT, PLAIN, HEXAGON: FLYWHEEL BOLT, 7/16-20 THD SIZE	"A" (74865) 675594	4	*	*	*	2	31
9	X2	F	5310-655-9371	NUT, PLAIN, HEXAGON: FLYWHEEL STUD, CADMIUM OR ZINC-CHROMATE; 1/2-20 THD SIZE	"B"	8	*	*	*	29	24
9	X2	F	5310-721-5940	NUT, PLAIN, HEXAGON: FLYWHEEL STUD, CADMIUM OR ZINC PLATED, 7/16-20 THD SIZE	"B"	8	*	*	*	29	12
9	X2	F	5305-018-0147	SCREW, CAP, HEXAGON HEAD: FLYWHEEL HOUSING BOTTOM MTG; CADMIUM OR ZINC-CHROMATE; 7/16-14 THD SIZE, 1 1/4IN. LG		2	*	*	*		
9	X2	F	5305-558-7357	SCREW, CAP, HEXAGON HEAD: FLYWHEEL HOUSING TO ENGINE BLOCK; CADMIUM OR ZINC-CHROMATE; 3/8-16 THD SIZE, 1 IN. LG		2	*	*	*	29	25
9	X2	F	5305-021-5453	SCREW, CAP, HEXAGON HEAD: FLYWHEEL HOUSING TOP MTG; CADMIUM OR ZINC PLATED, 3/8-16 THD SIZE, 1 1/4 IN. LG		2	*	*	*		
9	X2	F	5310-194-0743	WASHER, LOCK: FLYWHEEL BOLT; CADMIUM OR ZINC-CHROMATE; 0.466 IN. ID, 0.784 IN. OD, 0.109 IN. THK		4	*	*	*		
9	X2	F	5310-194-0743	WASHER, LOCK: FLYWHEEL HOUSING BOTTOM MTG, CADMIUM OR ZINC-CHROMATE; 0.446 IN. ID, 0.784 IN. OD, 0.109 IN. THK		2	*	*	*		
9	X2	F	5310-637-9541	WASHER, LOCK: FLYWHEEL HOUSING TO ENGINE BLOCK AND TOP MTG; CADMIUM-CHROMATE; 0.382 IN. ID, 0.688 IN. OD, 0.094 IN. THK		4	*	*	*	29	26
9	X2	F	5310-013-6857	WASHER, LOCK: FLYWHEEL STUD; CADMIUM OR ZINC-CHROMATE; 0.456 IN. ID, 0.750 IN. OD, 0.036 IN. THK	"B" (74865) 136857	8	*	*	*	29	11
9	X2	F	5310-013-5629	WASHER, LOCK: FLYWHEEL STUD, CADMIUM OR ZINC PLATED; 0.522 IN. ID, 0.890 IN. OD, 0.041 IN. THK	"B"	8	*	*	*	29	22
				0104 - PISTONS, CONNECTING RODS							
	P	H	2805-353-7995	BEARING, SLEEVE: CONNECTING ROD, STANDARD	"A" (74865) 1238553	6		2	600	2	14
	P	H	2805-353-7996	BEARING, SLEEVE: CONNECTING ROD, STANDARD	"B" (74865) 1238558	6		2	600	2	14
	P	H	2805-274-3430	PIN, PISTON	"A" (74865) 320031	6		2	600	2	6
	P	H	2805-275-3060	PIN, PISTON	"B" (74865) 436658	6		2	600	2	6
	X2	H	2805-389-6510	PISTON, INTERNAL COMBUSTION ENGINE: 0.020 IN. OVERSIZE (INCLUDES PIN, STOCK NO. 2805-274-3430 AND 2 EACH RING, STOCK NO. 5340-282-6341)	"A" (74865) 986469	6		*	*		
	X2	H	2805-695-0959	PISTON, INTERNAL COMBUSTION ENGINE: 0.020 IN. OVERSIZE (INCLUDES PIN, STOCK NO. 2805-275-3060 AND 2 EACH RING, STOCK NO. 5340-282-6341)	"B" (74865) 986480	6		*	*		
	X2	H	2805-362-3045	PISTON, INTERNAL COMBUSTION ENGINE: 0.040 IN. OVERSIZE (INCLUDES PIN, STOCK NO. 2805-275-3060 AND 2 EACH RING, STOCK NO. 5340-282-6341)	"B" (74865) 986483	6		*	*		
	X2	H	2805-389-6511	PISTON, INTERNAL COMBUSTION ENGINE: 0.040 IN. OVERSIZE (INCLUDES PIN, STOCK NO. 2805-274-3430 AND 2 EACH RING, STOCK NO. 5340-282-6341)	"A" (74865) 986472	6		*	*		
	P1	H	2805-364-2743	PISTON: STANDARD (INCLUDES PIN, STOCK NO. 2805-275-3060 AND 2 EACH RING, STOCK NO. 5340-282-6341)	"B" (74865) 986477	6		*	120	2	8
	P1	H	2805-699-6422	PISTON: STANDARD (INCLUDES PIN, STOCK NO. 2805-274-3430 AND 2 EACH RING, STOCK NO. 5340-282-6341)	"A" (74865) 986466	6		*	120	2	8

SOURCE CODES

TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVER-ABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPEN- DABILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUS-TRATIONS		
									15 DAYS MAINTENANCE 3RD ECH 100 EQUIPMENTS	4TH ECH	DEPOT MAINTENANCE 5TH ECH	FIG NO	ITEM NO	
					0104 - PISTONS, CONNECTING ROD (CONT)									
	P	H		5340-282-6341	RING, RETAINING: PISTON PIN		(74865) 200434	12		4	720	2	7	
	P	H		2805-555-5823	RING SET, PISTON: STANDARD		"B"	6		4	600	2	5	
	X1				RING, PISTON: INNER SPRING, SLOTTED OIL		"B" (74865) 1238368	6				2	3	
	X1			2805-353-8036	RING, PISTON: LOWER OIL		"B" (74865) 1324314	6				2	4	
	X1				RING, PISTON: SECOND COMPRESSION		"B" (74865) 1321160	6				2	2	
	X1				RING, PISTON: TOP COMPRESSION		"B" (74865) 1124717	6				2	1	
	P	H		2805-555-5826	RING SET, PISTON: STANDARD		"A"	6		4	600	2	5	
	X1				RING, PISTON: INNER SPRING SLOTTED OIL		"A" (74865) 1216250	6				2	3	
	X1				RING, PISTON: LOWER OIL		"A" (74865) 3111749	6				2	4	
	X1				RING, PISTON: SECOND COMPRESSION		"A" (74865) 1216244	6				2	2	
	X1				RING, PISTON: TOP COMPRESSION		"A" (74865) 1117982	6				2	1	
	X2	H		2805-555-5822	RING SET, PISTON, 0.020 IN. OVERSIZE		"B"	6	*		*			
	X1				RING, PISTON: INNER SPRING SLOTTED OIL		"B" (74865) 1238374	6						
	X1				RING, PISTON: LOWER OIL		"B" (74865) 667561	6						
	X1				RING, PISTON: SECOND COMPRESSION		"B" (74865) 1238373	6						
	X1				RING, PISTON: TOP COMPRESSION		"B" (74865) 1124719	6						
	X2	H		2805-555-5825	RING SET, PISTON: 0.020 IN. OVERSIZE		"A"	6	*		*			
	X1				RING, PISTON: INNER SPRING SLOTTED OIL		"A" (74865) 1238352	6						
	X1			2805-293-9694	RING, PISTON: LOWER OIL		"A" (74865) 1311775	6						
	X1				RING, PISTON: SECOND COMPRESSION		"A" (74865) 1238354	6						
	X1				RING, PISTON: TOP COMPRESSION		"A" (74865) 1117984	6						
	X2	H		2805-555-5821	RING SET, PISTON: 0.040 IN. OVERSIZE		"B"	6	*		*			
	X1				RING, PISTON: INNER SPRING, SLOTTED OIL		"B" (74865) 1238380	6						
	X1				RING, PISTON: LOWER OIL		"B" (74865) 667564	6						
	X1				RING, PISTON: SECOND COMPRESSION		"B" (74865) 1238379	6						
	X1				RING, PISTON: TOP COMPRESSION		"B" (74865) 1124574	6						
	X2	H		2805-555-5824	RING SET, PISTON: 0.040 IN. OVERSIZE		"A"	6	*		*			
	X1				RING, PISTON: INNER SPRING SLOTTED OIL		"A" (74865) 1238360	6						
	X1				RING, PISTON: LOWER OIL		"A" (74865) 1319397	6						
	X1				RING, PISTON: SECOND COMPRESSION		"A" (74865) 1238352	6						
	X1			2805-428-5228	RING, PISTON: TOP COMPRESSION		"A" (74865) 1117986	6						
	P1	H		2805-375-4393	ROD ASSEMBLY, CONNECTING		"B" (74865) 1112764	6	*		12	2	13	
	P	H		2805-705-1480	BEARING, SLEEVE: PISTON PIN		"B" (74865) 954157	6		2	600	2	9	
	X2	H		5306-374-3908	BOLT, CONNECTING ROD: BEARING CAP (SPECIAL)		"B" (74865) 860343	12			*	2	10	
	X2	H		5310-275-1767	NUT, PLAIN, HEXAGON: CONNECTING ROD BEARING CAP, 3/8-24 THD SIZE		"B" (74865) 860671	12		*	*	2	12	
	X2	H		5310-261-7378	WASHER, LOCK: CONNECTING ROD BEARING CAP, 0.383 IN. ID, 0.387 IN. OD, 0.078 IN. THK		"B" (74865) 668555	12		*	*	2	11	
	P1	H		2805-353-7901	ROD ASSEMBLY, CONNECTING: NO. 1, 3, 5 (COMPONENTS SAME AS ROD ASSEMBLY, STOCK NO. 2805-353-7902)		"A" (74865) 1115901	3		*	6	2	13	



	P1	H	2805-353-7902	ROD ASSEMBLY, CONNECTING: NO. 2,4,6	"A" (74865) 1115902	3			6		2	13
	P	H	2805-705-1490	BEARING, SLEEVE: PISTON PIN	"A" (74865) 954157	6			600		2	9
	X2	H	5306-033-6083	BOLT, SELF-LOCKING: CONNECTING ROD BEARING CAP, 3/8-24 THD SIZE; 2 1/8 IN. LG (SPECIAL)	"A" (74865) 868921	12			*		2	10
9	X2	H	5310-010-3026	NUT, PLAIN, HEXAGON: CONNECTING ROD BEARING CAP, 3/8-24 THD SIZE	"A"	12			*		2	12
	X2	H	5310-261-7378	WASHER, LOCK: CONNECTING ROD BEARING CAP BOLT, 0.383 IN. ID, 0.532 IN. OD, 0.078 IN. THK	"A" (74865) 668555	12			*		2	11
				0105 - VALVES, CAMSHAFTS AND TIMING SYSTEM								
	X2	H	2805-172-9865	BEARING, SLEEVE: CAMSHAFT, NO. 1	(74865) 632465	1			*		1	20
	X2	H	2805-353-8095	BEARING, SLEEVE: CAMSHAFT, NO. 2	"B" (74865) 665786	1			*		1	9
	X2	H	2805-662-9349	BEARING, SLEEVE: CAMSHAFT, NO. 2	"A" (74865) 632466	1			*		1	9
	X2	H	2805-353-8090	BEARING, SLEEVE: CAMSHAFT, NO. 3	"A" (74865) 632467	1			*		1	8
	X2	H	2805-362-3057	BEARING, SLEEVE: CAMSHAFT, NO. 3	"B" (74865) 665787	1			*		1	8
9	X2	F	5306-680-6004	BOLT, MACHINE: CAMSHAFT HUB PLATE, CADMIUM OR ZINC-CHROMATE; 5/16-18 THD SIZE, 3/4 IN. LG	(74865) 122007	2			*			
9	X2	F	5306-021-6921	BOLT, MACHINE: CAMSHAFT SPROCKET, CADMIUM OR ZINC PLATED; 5/16-18 THD SIZE, 3/4 IN. LG	(74865) 122007	3			*			
9	X2	F	(SUPPLIED UNDER STOCK NO. 5306-680-6004)	BOLT, MACHINE: CHAIN CASE COVER PLATE	(74865) 122007	4			*			
9	X2	F	5306-559-0474	BOLT, MACHINE: CHAIN COVER CASE MTG; CADMIUM OR ZINC PLATED, 5/16-24 THD SIZE, 3/4 IN. LG	(74865) 120741	3			*			
	X2	H	2805-353-8129	CAMSHAFT	"A" (74865) 869997	1			*		1	27
	X2	H	2805-510-6082	CAMSHAFT	"B" (74865) 1067201	1			*		1	27
	X2	F	3020-567-8375	CHAIN, SILENT: TIMING	(74865) 1075001	1			*		2	20
	X2	O	2805-366-6390	COVER, VALVE SPRING	"B" (74865) 665689	2			*		1	30
	X2	O		COVER, VALVE SPRING	"A" (74865) 600881	2			*		1	30
	X2	F		COVER ASSEMBLY: CHAIN CASE	(74865) 1122447	1			*		1	25
	X1		2805-737-3645	GASKET: CHAIN CASE COVER	(74865) 1122450	1			*		1	28
				(COMPONENT OF GASKET SETS, STOCK NO. 2805-353-8007 AND 2805-620-0098, SEE GROUP 0100) (CAN BE MANUFACTURED FROM PAPER GASKET, STOCK NO. 5330-233-5846)	(74865) 1064730	1			*		100	1 24
	P1	F	2805-737-3646	SEAL KIT, CHAIN CASE: COVER	(74865) 1088603	1			*			
	X1		5330-599-7387	WASHER, NONMETALLIC: OIL SEAL, CHAIN CASE COVER PAPER; 2.755 IN. ID, 3 1/8 IN. OD, 1/16 IN. THK	(74865) 114622	1			*		100	1 23
	P1	F	5330-286-7266	GASKET: CHAIN CASE COVER BOLT, COPPER AND ASBESTOS, TYPE A, 0.322 IN. ID, 7/16 IN. OD, 5/64 IN. THK	(74865) 695441	1			*			1 6
	X1			GASKET: CHAIN CASE COVER PLATE		1						
				(COMPONENT OF GASKET SETS, STOCK NO. 2805-353-8007 AND 2805-620-0098, SEE GROUP 0100)	"A" (74865) 980583	1						
	X1		2805-173-0111	GASKET SET: VALVE SPRING COVER								
				(COMPONENT OF GASKET SETS, STOCK NO. 2805-560-9323 AND STOCK NO. 2805-353-8007, SEE GROUP 0100)	"A" (74865) 871934	2					1	29
	X1			GASKET: VALVE SPRING COVER	"A" (74865) 693959	4						
	X1		2805-530-2747	GASKET: VALVE SPRING COVER SCREW	"B" (74865) 980584	1						
	X1			GASKET SET: VALVE SPRING COVER								
				(COMPONENT OF GASKET SETS, STOCK NO. 2805-024-2076 AND	11							

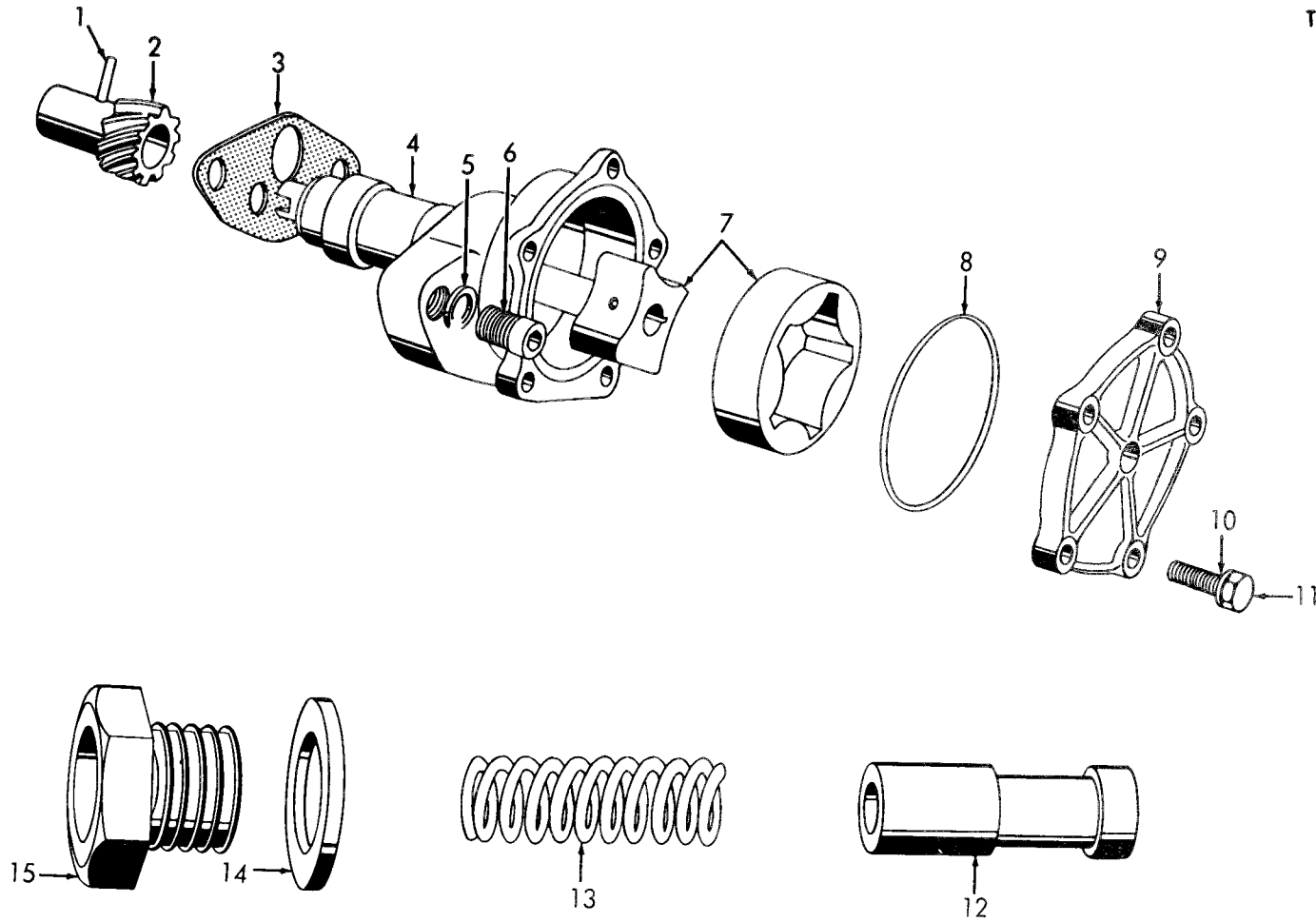
SOURCE CODES

TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVER-ABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDA-BILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUS-TRATIONS		
									15 DAYS FIELD MAINTENANCE 3RD ECH 100 EQUIPMENTS	4TH ECH	DEPOT MAINTENANCE 5TH ECH	FIG NO	ITEM NO	
					0105 - VALVES, CAMSHAFTS AND TIMING SYSTEM (CONT)									
	X1				GASKET: VALVE SPRING COVER		"B" (74865) 871935	2					1	29
	X1			2805-530-2747	GASKET: VALVE SPRING COVER SCREW		"B" (74865) 693959	4						
	P	F		2805-303-7950	GUIDE, VALVE: STEM		(74865) 1124959	12	2	*	220		1	15
	X2	F		2805-173-2035	HUB, SPROCKET WHEEL		(74865) 869998	1	*	*			1	21
	P1	F		2805-353-8048	INSERT, VALVE SEAT: EXHAUST VALVE		"A" (74865) 1329312	6	*	*	60			
	P1	F		2805-389-6498	INSERT, VALVE SEAT: EXHAUST VALVE		"B" (74865) 1319087	6	*	*	60			
					(USED WITH ENGINE ASSEMBLY, STOCK NO. (28835) DW6369, SERIAL NO. 17,460 UP)									
9	X2	F		5315-012-0051	KEY, WOODRUFF: CAMSHAFT SPROCKET, KEY, NO. 10		(74865) 114813	1	*	*	*			
	X2	F		5315-012-4551	KEY, WOODRUFF: CRANKSHAFT SPROCKET; NO. 807 OR A		(74865) 124551	1	*	*	*			
	P	H		2805-173-0311	LIFTER, VALVE		(74865) 687667	12	*	2	36		1	11
	X2	F		5305-509-2036	SCREW, VALVE ADJUSTING: VALVE TAPPET ADJUSTING		(74865) 681544	12	*	*	*		1	10
	P	F		2805-362-1239	LOCK, VALVE, SPRING RETAINER		(74865) 395931	24	3	*	240		1	12
9	X2	F		5310-012-0368	NUT, PLAIN, HEXAGON: CHAIN CASE COVER MTG, CADMIUM OR									
					ZINC-CHROMATE: 5/16-24 THD SIZE		(74865) 120368	3	*	*	*			
	X2	F		2805-366-6433	PLATE, CHAIN CASE COVER		(74865) 688195	1	*	*	*		1	7
					HUB THRUST		(74865) 600786	1	*	*	*			
	P	F		2805-770-5761	RETAINER, VALVE SPRING		"B" (74865) 1313268	12	2	*	120		1	13
	P1	F		2805-770-5761	RETAINER, VALVE SPRING: INTAKE VALVE		"A" (74865) 1313268	6	*	*	60		1	13
	P1	F		2805-353-8046	ROTATOR ASSEMBLY, VALVE: EXHAUST VALVE SPRING		"A" (74865) 1329023	6	*	*	600		1	19
	X2	F		5305-353-7942	SCREW, ASSEMBLED WASHER: TIMING CASE COVER, 5/16-18 THD									
					SIZE: 1516 IN. LG		(74865) 1123371	8	*	*	*			
9	X2	F		5305-013-3837	SCREW, MACHINE: CHAIN CASE COVER PLATE, CADMIUM OR ZINC									
					PLATED; 5/16-18 THD SIZE; 1 IN. LG									
	X2	O			SCREW, SPECIAL HEAD: VALVE SPRING COVER, 5/16-18 THD SIZE;									
					2 7/8 IN. LG		"A" (74865) 693958	4	*	*	*		1	32
	X2	O			SCREW, SPECIAL HEAD: VALVE SPRING COVER, 5/16-18 THD SIZE;									
					3 3/32 IN. LG		"B" (74865) 693960	4	*	*	*		1	32
	P1	F		2805-691-9488	SEAT ASSEMBLY, VALVE: EXHAUST VALVE		"B" (74865) 66012	6	*	*	60			
					(USED WITH ENGINE ASSEMBLY, STOCK NO. (28835) DW6369, UP TO SERIAL NO. 17,460)									
					SHIM: CRANKSHAFT SPROCKET, 0.003 IN. THK (AS REQUIRED)		(74865) 537820		*	*	20			
	P1	F		5340-201-0875	SHIM: CRANKSHAFT SPROCKET, 0.010 IN. THK (AS REQUIRED)		(74865) 537821		*	*	20			
	P	F		2805-353-8047	SPRING: EXHAUST VALVE		"A" (74865) 1329289	6	2	*	120		1	18
	P	F		2805-253-6888	SPRING, HELICAL COMPRESSION: EXHAUST AND INTAKE		"B" (74865) 1138097	12	3	*	240		1	14
	P	F		2805-253-6888	SPRING, HELICAL COMPRESSION: INTAKE VALVE		"A" (74865) 1138097	6	2	*	120		1	14
	X2	F		2805-364-2749	SPOCKET, WHEEL		(74865) 601757	1	*	*	*		1	22
	P1	F		3020-266-7679	SPOCKET, WHEEL: CRANKSHAFT,TIMING		(74865) 601760	1	*	*	15		2	17

P	F	2805-271-9059	VALVE, ENGINE EXHAUST (USED WITH ENGINE ASSEMBLY, STOCK NO. (28835) DW6369, UP TO SERIAL NO. 17,460)	"B" (74865) 667612	6	*	2	120	1	17
P1	F	2805-353-8125	VALVE, ENGINE INTAKE	"A" (74865) 1109911	6	*	*	60	1	16
P	F	2805-217-3468	VALVE, POPPET, ENGINE: EXHAUST (USED WITH ENGINE ASSEMBLY, STOCK NO. (28835) DW6369, SERIAL NO. 17,460 UP)	"B" (74865) 1319089	6	*	2	120	1	17
P	F	2805-516-7113	VALVE, POPPET, ENGINE: EXHAUST	"A" (74865) 1329316	6	2	*	120	1	17
P1	F	2805-516-7201	VALVE, POPPET, ENGINE: INTAKE	"B" (74865) 870048	6	*	*	60	1	16
X2	F	5310-012-0214	WASHER, LOCK: CAMSHAFT HUB PLATE, CADMIUM OR ZINC-CHROMATE; 0.319 IN. ID, 0.591 IN. OD, 0.078 IN. THK	(74865) 120214	11	*	*	*		
9	X2	F	5310-013-8485	WASHER, LOCK: CHAIN CASE COVER, CADMIUM OR ZINC-CHROMATE; 0.326 IN. OD, 0.599 IN. OD, 0.031 IN. THK	"B" (74865) 138485	7	*	*	*	
9	X2	F	5310-013-8485	WASHER, LOCK: CHAIN CASE COVER; CADMIUM OR ZINC-CHROMATE; 0.326 IN. ID, 0.599 IN. OD, 0.031 IN. THK	"A" (74865) 138485	8	*	*	*	
9	X2	F	5310-013-8485	WASHER, LOCK: CHAIN CASE COVER PLATE; CADMIUM OR ZINC-CHROMATE; 0.326 IN. ID, 0.599 IN. OD, 0.031 IN. THK	(74865) 138485	1	*	*	*	
9	X2	F	5310-584-8730	WASHER, LOCK: CHAIN CASE COVER PLATE: CADMIUM OR ZINC-CHROMATE; 0.326 IN. ID, 0.026 IN. THK	(74865) 134512	1	*	*	*	
	X2	F	5310-275-6616	WASHER, SPRING TENSION: CHAIN CASE COVER; 0.332 IN. ID, 13/16 IN. OD, 0.081 IN. THK	(74865) 1123372	3	*	*	*	
			0108 - ENGINE LUBRICATION SYSTEM							
	X2	F	4730-595-3310	ADAPTER, STRAIGHT, PIPE TO TUBE: OIL PUMP OUTLET, ONE END FEMALE, 11/16-18 THD SIZE; OTHER END MALE, 7/16 IN. TUBE, 3/8-16 THD SIZE	"B" (74865) 1119208	1	*	*	*	4
9	X2	O	2805-366-6412	AIR CLEANER: CRANKCASE VENTILATOR	(74865) 627488	1	*	*	*	
9	X2	O	5306-017-8429	BOLT, MACHINE: CRANKCASE AIR CLEANER MTG. CADMIUM OR ZINC PLATED; 5/16-18 THD SIZE; 4 IN. LG	(74865) 189298	1	*	*	*	
9	X2	F	5306-680-6004	BOLT, MACHINE: OIL PAN MTG; CADMIUM OR ZINC-CHROMATE; 5/16-18 THD SIZE; 3/4 IN. LG	(74865) 122007	20	*	*	*	4
	X2	O		BRACKET: OIL FILTER MTG	"B" (28835) DW6339	1	*	*	*	5
	X2	O		BRACKET: OIL FILTER MTG	"A" (74865) 1328938	1	*	*	*	5
	X2	O	2805-294-9999	BREATHER: AIR CLEANER	"A" (74865) 1316371	1	*	*	*	5
	X2	O	2940-173-1783	CLAMP, OIL FILTER	(74865) 920260	1	*	*	*	5
	X2	O		CLIP: ENGINE TO OIL FILTER TUBE	"A" (74865) 608473	1	*	*	*	5
9	X2	F	5340-376-8284	CLIP, LOOP TYPE: CAMSHAFT SPROCKET OIL TUBE	(74865) 120520	1	*	*	*	5
	X2	O	4730-277-8273	ELBOW, PIPE TO TUBE: OIL FILTER BOTTOM OUTLET, BRASS; ONE END MALE, 1/8-27 THD SIZE; OTHER END FEMALE, 1/4 IN. TUBE, 7/16-24 THD SIZE	"A" (74865) 225810	2	*	*	*	5
	X2	O	4730-277-8273	ELBOW, PIPE TO TUBE: OIL FILTER, OIL FILTER OUTLET AND INLET TUBE, BRASS: ONE END MALE, 1/8-27 THD SIZE; OTHER END FEMALE, 1/4 IN. TUBE, 7/16-24 THD SIZE	"B" (74865) 225810	4	*	*	*	5
	X2	O	2940-309-9919	FILTER ASSEMBLY, OIL	(81321) 27160	1	*	*	*	5
	X1	O		CASE, FILTER	(81321) 26708-1	1	*	*	*	5
	X2	O	2940-215-7141	COVER ASSEMBLY, OIL FILTER	(81321) 25791	1	*	*	*	5
	X2	O	5306-360-7964	BOLT, SHOULDER: FILTER COVER	(81321) 25755	1	*	*	*	5
	X1	O		COVER, FILTER	(81321) 25801	1	*	*	*	5
	X2	O	2940-292-1139	SPRING, HELICAL, COMPRESSION: FILTER ELEMENT	(81321) 25757	1	*	*	*	5

SOURCE CODES

TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVER-ABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDA-BILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUS-TRATIONS		
									15 DAYS FIELD MAINTENANCE 3RD ECH 100 EQUIPMENTS	4TH ECH	DEPOT MAINTENANCE 5TH ECH	FIG NO	ITEM NO	
					0108 - ENGINE LUBRICATION SYSTEM (CONT)									
	P	O		5310-141-1583	WASHER, FLAT: COVER SHOULDER BOLT, COPPER:									
	P	O		5330-599-1285	0.640 IN. OD, 0.750 IN. OD, 0.063 IN. THK WASHER, NONMETALLIC: FILTER COVER, RUBBER; 4.375 IN. (81321) 30738			1	63	*	100	5	2	
	P	O		2920-426-2010	ID. 5.125 IN. OD, 0.068 IN. THK ELEMENT, FILTER (81321) 258027			1	63	*	100	5	5	
	X2	O		4730-011-2578	PLUG, PIPE: OIL FILTER DRAIN, BRASS OR BRONZE; (81321) PD51			1	63	*	100	5	7	
	X2	O		6680-475-6576	1/4-18 THD SIZE (GE) GAGE ROD: W/DRAIN PIPE ASSEMBLY (81321) 25795			1	*	*	*	5	16	
9	X2	O		3432-393-6593	ADAPTER, OIL DRAIN PLUG: ADJUSTABLE OIL DRAIN "B" (28835) DW1003A			1	*	*	*	6	7	
	X2	O		4730-187-7612	COUPLING, PIPE: OIL DRAIN, GALVANIZED; BOTH ENDS FEMALE, 1/2-14 THD SIZE (GE) "B"			1	*	*	*	6	12	
	X2	O		2805-309-8723	GAGE, OIL: BAYONET TYPE "B" (28835) DW1354			1	*	*	*	6	3	
	P1	O		2805-527-7712	GASKET: OIL DRAIN "B" (28835) 472			2	*	*	100	6	6	
	X2	O		4730-265-6905	NIPPLE, PIPE: OIL DRAIN, 1/2-14 THD SIZE; "B"			1	*	*	*	6	11	
	M	O			2 1/2 IN. LG (GE) PIPE: OIL DRAIN "B" (28835) DW978			1	*	*	*	6	9	
					MANUFACTURE FROM:									
	P	O		4710-162-1018	PIPE, STEEL: GALVANIZED; 0.500 IN. ID (GE)									
	M	O			(5 7/8 IN. REQUIRED) PIPE: OIL GAGE BAYONET "B" (28835) DW979	FT		1	*	*	2	6	5	
					MANUFACTURE FROM:									
	P	O		4710-162-1018	PIPE, STEEL: GALVANIZED; 0.500 IN. ID (GE)									
	X2	O		2805-354-2315	(7 1/2 IN. REQUIRED) PLUG, OIL DRAIN "B" (28835) DW1003B	FT		1	*	*	2	6	8	
	X2	O		4730-278-3412	PLUG, PIPE: OIL DRAIN, 1/2-14 THD SIZE (GE) "B"			1	*	*	*	6	13	
	X2	O		4730-142-1629	PLUG, PIPE: OIL GAGE, 3/4-14 THD SIZE (GE) "B"			1	*	*	*	6	2	
	X2	O		4730-227-6929	REDUCER, PIPE: OIL GAGE, ONE END FEMALE, 3/4-14 THD SIZE; OTHER END FEMALE, 1/2-14 THD SIZE (GE) "B"			1	*	*	*	6	4	
	X2	O		4730-257-2119	TEE, PIPE: OIL GAGE AND DRAIN: GALVANIZED; ALL ENDS FEMALE, 1/2-14 THD SIZE "B" (74865) 301034			1	*	*	*	6	10	
	M	O			GASKET: CRANKCASE VENTILATOR OUTLET PIPE			1						
					MANUFACTURE FROM:									
	P	O		5330-233-5847	PAPER, GASKET (GE) (3 IN. X 3 IN. REQUIRED) GASKET: OIL PAN, LEFT	YD		1	SEE GROUP 9501		SEE GROUP 9501	4	1	



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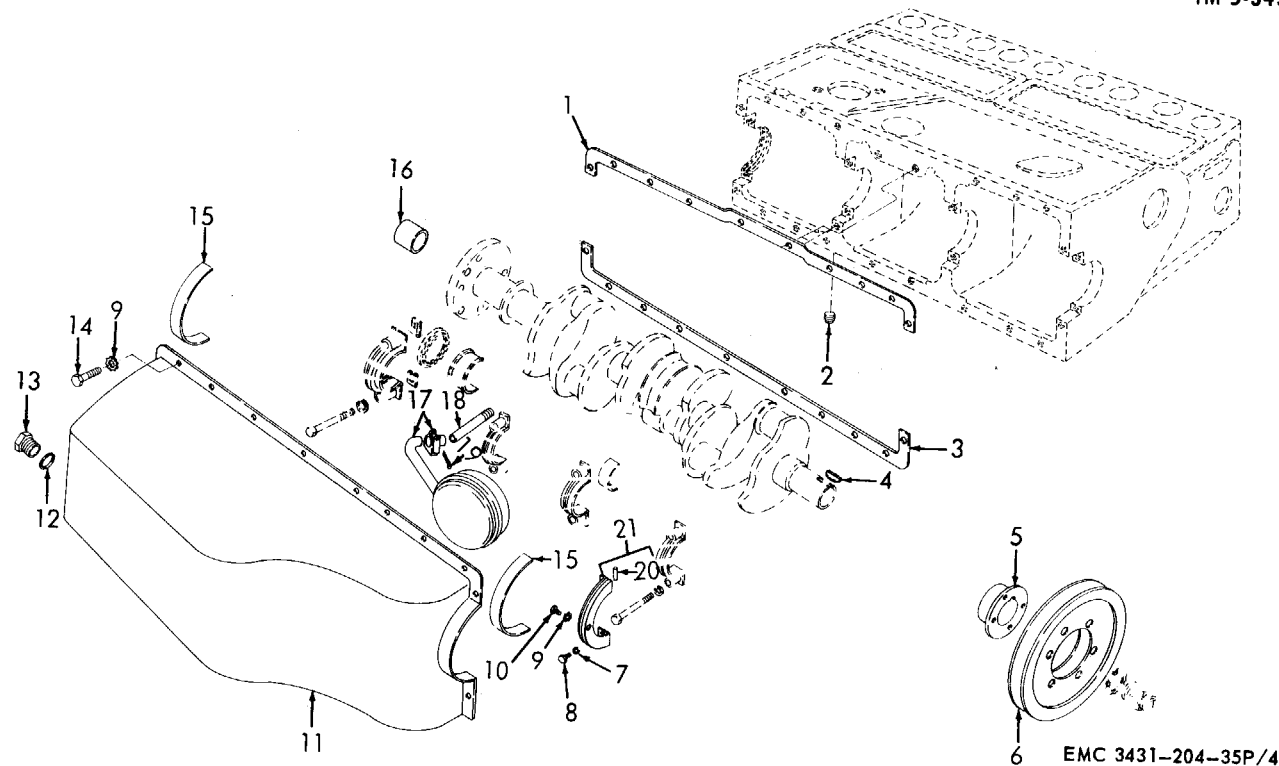
Figure 3. Oil Pump.

INDEX TO PARTS, FIGURE 3

Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name
1	0108	PIN	5	0108	WASHER	9	0108	COVER	13	0108	SPRING
2	0108	GEAR	6	0108	SCREW	10	0108	WASHER	14	0108	GASKET
3	0108	GASKET	7	0108	ROTOR AY	11	0108	SCREW	15	0108	PLUG
4	0108	BODY	8	0108	WASHER	12	0108	PLUNGER			

## INDEX TO PARTS, FIGURE 4

Reference Number	Functional Group	Item Name
1	0108	GASKET
2	0101	PLUG
3	0108	GASKET
4	0102	KEY
5	0102	HUB
6	0102	PULLEY
7	0108	WASHER
8	0108	SCREW
9	0108	WASHER
10	0108	SCREW
11	0108	OIL PAN
12	0108	GASKET
13	0108	PLUG
14	0108	BOLT
15	0106	GASKET
16	0102	BEARING
17	0108	STRAINER
18	0108	ADAPTER
19	0108	PIN
20	0108	SEAL
21	0108	REPAIR KIT

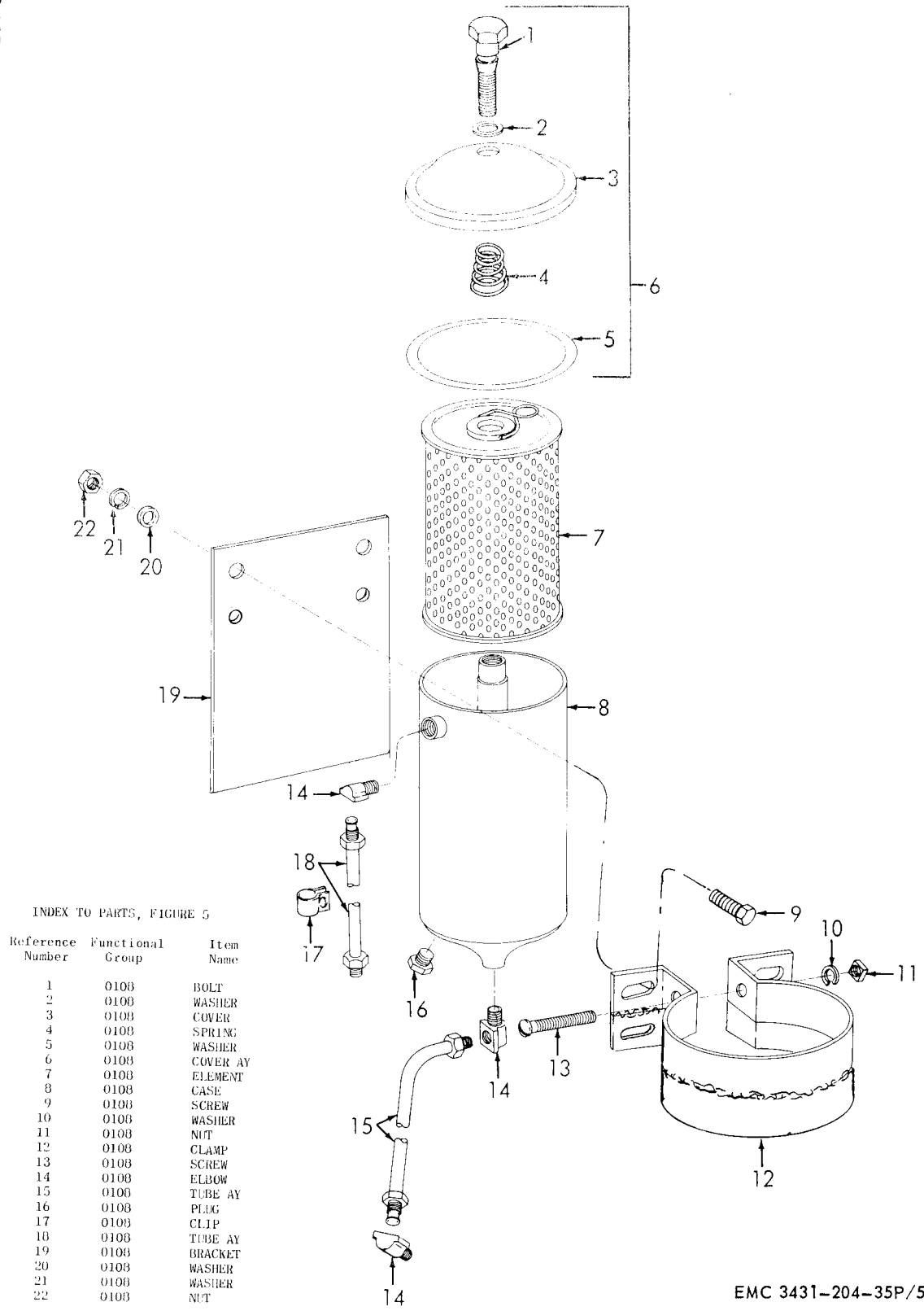


EMC 3431-204-35P/4

Figure 4. Oil Pan.

SOURCE CODES				FFDFRAI STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDABILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUSTRATIONS	
TECHNICAL SERVICE:	SOURCE:	MAINTENANCE RECOVERABILITY:	15-DAYS FIELD MAINTENANCE						DEPOT MAINTENANCE	FIG. NO.	ITEM NO.		
			3RD ECH						4TH ECH			5TH ECH	
			100 EQUIPMENTS										
					0108 - ENGINE LUBRICATION SYSTEM (cont.)								
	X1			2805-353-8135	GASKET SET: oil pan "A" (74865) 933438 (Component of GASKET SET, Stock No. 2805-353-8007, See Group 0100)			1					
	X1			2805-527-7712	GASKET: oil pan drain plug "A" (74865) 105456			1				4	12
	X1				GASKET: oil pan, front and rear "A" (74865) 866680			2				4	15
	X1				GASKET: oil pan, left "A" (74865) 600759			1				4	1





INDEX TO PARTS, FIGURE 5

Reference Number	Functional Group	Item Name
1	0100	BOLT
2	0100	WASHER
3	0100	COVER
4	0100	SPRING
5	0100	WASHER
6	0100	COVER CAP
7	0100	ELEMENT
8	0100	CASE
9	0100	SCREW
10	0100	WASHER
11	0100	NUT
12	0100	CLAMP
13	0100	SCREW
14	0100	ELBOW
15	0100	TUBE AY
16	0100	PLUG
17	0100	CLIP
18	0100	TUBE AY
19	0100	BRACKET
20	0100	WASHER
21	0100	WASHER
22	0100	NUT

EMC 3431-204-35P/5

Figure 5. Oil Filter.



SOURCE CODES

TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVER-ABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPEN- DABILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUS-TRATIONS		
									15 DAYS FIELD MAINTENANCE 3RD ECH 100 EQUIPMENTS	4TH ECH	DEPOT MAINTENANCE 5TH ECH	FIG NO	ITEM NO	
					0108 - ENGINE LUBRICATION SYSTEM (CONT)									
	M	F			PIPE ASSEMBLY: OIL OUTLET (74865) 665806			1				2	23	
					MANUFACTURE FROM:									
	X2	F		4730-013-7400	INVERTED NUT, TUBE COUPLING: FLARED TUBE, CADMIUM OR ZINC-CHROMATE; 7/16 IN. TUBE; 11/16-18 THD SIZE (74865) 137400			2	*	*	*			
	P	F		4710-277-5528	TUBE, COPPER (16 IN. REQUIRED)	FT		1	SEE GROUP 9501		SEE GROUP 9501			
	X2	O			PLUG, HEXAGON HEAD: OIL PAN DRAIN "B" (74865) 50772			1	*	*	*	4	13	
	X2	O			PLUG, HEXAGON HEAD: OIL PAN DRAIN; 7/8-18 THD SIZE; 1/8 IN. "A" (74865) 50772			1	*	*	*	4	13	
					(USED WITH ENGINE ASSEMBLY, STOCK NO. (28835) 3DW365, UP TO SERIAL NO. 61780)									
	X2	O		4730-289-5387	PLUG, MACHINE THREAD, MAGNETIC: OIL PAN DRAIN, 7/8-18 THD SIZE "A" (74865) 1404059			1	*	*	*	4	13	
					(USED WITH ENGINE ASSEMBLY, STOCK NO. (28835) 3WD365, SERIAL NO. 61780 UP)									
	X2	O		4730-289-3313	PLUG, MACHINE THREAD: OIL PRESSURE RELIEF VALVE, 3/4-16 THD SIZE (74865) 618621			1	*	*	*	3	15	
	X2	O		2805-358-3138	PLUNGER: OIL PRESSURE RELIEF VALVE "A" (74865) 1142998			1	*	*	*	3	12	
	X2	O		2805-453-9950	PLUNGER, OIL PRESSURE RELIEF VALVE "B" (74865) 1119204			1	*	*	*	3	12	
					(USED WITH ENGINE ASSEMBLY, STOCK NO. (28835) DW6369, SERIAL NO. 50,000 UP)									
	X2	O		2805-510-6088	PLUNGER, OIL PRESSURE RELIEF VALVE "B" (74865) 618759			1	*	*	*	3	12	
					(USED WITH ENGINE ASSEMBLY, STOCK NO. (28835) DW6369, UP TO SERIAL NO. 50,000)									
	P1	F	R	2805-353-8021	PUMP, OIL (74865) 1314609			1	*	*	2	1	31	
	X1				BODY, OIL PUMP (74865) 1314611			1				3	4	
	X2	F			COVER, OIL PUMP (74865) 1124724			1	*	*	*	3	9	
	X1				GASKET: OIL PUMP TO CYLINDER BLOCK (74865) 695442			1				3	3	
					(COMPONENT OF GASKET SETS, STOCK NO. 2805-353-8007, AND 2805-620-0098, SEE GROUP 0100) (CAN BE MANUFACTURED FROM PAPER, STOCK NO. 5330-233-5846)									
	X2	F		2805-251-1156	GEAR, HELICAL: OIL PUMP AND DISTRIBUTOR DRIVE, 10 TEETH 19 (74865) 1316559			1	*	*	*	3	2	
	X2	F			PIN: OIL PUMP AND DISTRIBUTOR DRIVE GEAR (74865) 1316559			1	*	*	*	3	1	
	X2	F		2805-353-8022	ROTOR ASSEMBLY, OIL PUMP (74865) 1316143			1	*	*	*	3	7	
9	X2	F		5305-012-1887	SCREW, CAP, HEXAGON HEAD: OIL PUMP COVER: CADMIUM OR ZINC PLATED, 1/4-20 THD SIZE, 3/4 IN. LG (74865) 121887			5	*	*	*	3	11	
					WASHER, LOCK: OIL PUMP COVER BOLT, CADMIUM OR ZINC-CHROMATE; 0.262-IN. ID, 0.502 IN. OD, 0.025 IN. THK (74865) 121753			5	*	*	*	3	10	

## INDEX TO PARTS, FIGURE 6

TM 5-3431-204-JSP

Reference Number	Functional Group	Item Name
1	0108	GAGE
2	0100	PLUG
3	0100	GAGE
4	0106	REDUCER
5	0100	PIPE
6	0108	GASKET
7	0108	ADAPTER
8	0108	PLUG
9	0108	PIPE
10	0108	TEE
11	0108	NIPPLE
12	0106	COUPLING
13	0108	PLUG

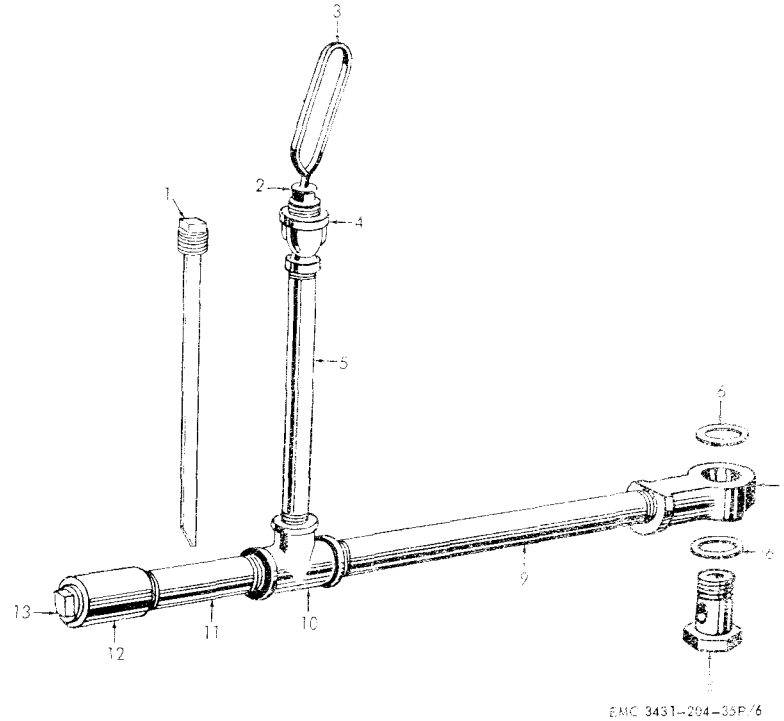


Figure 6. Engine Oil Gage and Drain Pipe.

SOURCE CODES				FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDITURE	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUSTRATIONS	
TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVERABILITY						15-DAYS FIELD MAINTENANCE		DEPOT MAINTENANCE	FIG. NO.	ITEM NO.
									3RD ECH	4TH ECH	5TH ECH		
					0100 - ENGINE LUBRICATION SYSTEM (cont)				100 EQUIPMENTS				
	X1			2805-182-9762	WASHER, NONMETALLIC: oil pump cover, rubber; 2.487 in. id, 2.601 in. od, 0.095 in. thk (74865) 1124984 (Component of GASKET SETS, Stock No. 2805-353-8007 and Stock No. 2805-620-0098, See Group 0100)			1				3	8
	P1	F		2805-353-7897	REPAIR KIT, FRONT SEAL: oil pan front end oil seal (74865) 1115100			1	*	*	100	4	21
	X1			2805-737-3672	SEAL., OIL CRANKCASE: oil pan front end oil seal plate (74865) 1066873			2				4	20

9	X2	O	2805-213-8398	SCREEN, BREATHER PIPE, OIL	(74865) 871851	1	*	*	*		
	X2	O	5305-012-1837	SCREW, CAP, HEXAGON HEAD: OIL FILTER BRACKET MTG, CADMIUM							
9	X2	O	5305-266-6281	OR ZINC-CHROMATE; 3/8-16 THD SIZE; 3/8 IN. LG SCREW, CAP, HEXAGON HEAD: OIL FILTER BRACKET MTG,	"B"	1	*	*	*	5	9
9	X2	F	5305-275-5313	CADMIUM PLATED; 3/8-16 THD SIZE; 3/4 IN. LG SCREW, CAP, SOCKET HEAD: OIL PUMP MTG, 3/8-16 THD SIZE,	"A" (74865) 122119	2	*	*	*	5	9
9	X2	F	5305-013-2259	1 1/4 IN. LG SCREW, MACHINE: CAMSHAFT TUBE CLIP, CADMIUM OR ZINC	(74865) 175221	2	*	*	*	3	6
9	X2	O	5305-551-0135	PLATED; 1/4-20 THD SIZE; 5/8 IN. LG SCREW, MACHINE: OIL FILTER CLAMP, CADMIUM OR	(74865) 132259	1	*	*	*		
	X2	F	5305-013-2268	ZINC-CHROMATE; 5/16-18 THD SIZE; 2 1/2 IN. LG SCREW, MACHINE: OIL PAN FRONT END OIL SEAL PLATE; CADMIUM	(74865) 133129	1	*	*	*	5	13
9	X2	F	5305-013-2325	OR ZINC PLATED, 1/4-20 THD SIZE, 7/8 IN. LG SCREW, MACHINE: OIL PAN FRONT END OIL SEAL PLATE; CADMIUM	(74865) 132268	2	*	*	*	4	8
	P1	O	2805-254-1360	OR ZINC PLATE; 5/16-18 THD SIZE; 3/4 IN. LG SPRING, HELICAL, COMPRESSION: OIL PLUNGER RELIEF VALVE,	(74865) 132325	1	*	*	*	4	10
	P1	O	5340-644-3197	PLAIN, STANDARD SPRING, HELICAL, COMPRESSION: OIL PRESSURE RELIEF VALVE,	"A" (74865) 1119994	1	*	*		15	3 13
				STANDARD, PAINTED BLUE	"B" (74865) 1119205	1	*	*		15	3 13
				(USED WITH ENGINE ASSEMBLY, STOCK NO. (28835) DW6369,							
	P1	O	2805-268-1109	SERIAL NO. 50,000 UP) SPRING, HELICAL, COMPRESSION: OIL PRESSURE RELIEF VALVE,							
				STANDARD, PAINTED RED	"B" (74865) 1121250	1	*	*		15	3 13
				(USED WITH ENGINE ASSEMBLY, STOCK NO. (28835) DW6369,							
	X2	F	2940-340-7383	UP TO SERIAL NO. 50,000) STRAINER, OIL PUMP	(74865) 862831	1	*	*	*	4	17
	X2	F	2805-366-6431	TUBE, SPROCKET OIL: CAMSHAFT SPROCKET	(74865) 600787	1	*	*	*	1	26
	M	O		TUBE ASSEMBLY: ENGINE TO OIL FILTER	(74865) 861610	1				5	15
				MANUFACTURE FROM:							
	X2	O	4730-288-9387	INVERTED NUT, TUBE COUPLING: ZINC PLATED; 1/4 IN. TUBE, 7/16-24 THD SIZE	(74865) 137397	2	*	*	*		
	P	O	4710-277-5525	TUBE, COPPER (15 1/2 IN. REQUIRED)							
	X2	O		TUBE ASSEMBLY: FILTER TO ENGINE OUTLET	(74865) 861584	1		SEE GROUP 9501		SEE GROUP 9501	
	X2	O	4730-288-9387	INVERTED NUT, TUBE COUPLING: OIL FILTER TUBE, ZINC				*	*	5	18
	X2	O		PLATED; 1/4 IN. TUBE, 7/16-24 THD SIZE	(74865) 137397	2	*	*	*		
				WASHER, FLAT: CRANKCASE AIR CLEANER MTG	(74865) 120387	1	*	*	*		
	X2	O	5310-209-0710	(SUPPLIED UNDER STOCK NO. 5310-209-0710) WASHER, FLAT: OIL FILTER MTG, CADMIUM OR ZINC-CHROMATE;	21						

SOURCE CODES

TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVER- ABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPEN- DATURE	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUS- TRATIONS		
									15 DAYS FIELD MAINTENANCE 3RD ECH 100 EQUIPMENTS	4TH ECH	DEPOT MAINTENANCE 5TH ECH	FIG NO	ITEM NO	
					0108 - ENGINE LUBRICATION SYSTEM (CONT)									
9	X2	F		5310-012-1753	WASHER, LOCK: OIL PAN FRONT END OIL SEAL PLATE; CADMIUM PLATED; EXTERNAL TEETH, 1/4 IN. ID, CADMIUM OR ZINC-CHROMATE; 0.262 IN. ID, 0.502 IN. OD, 0.025 IN. THK								4	7
9	X2	F			WASHER, LOCK: OIL PAN MTG BOLT (74865) 121753 (74865) 138485			2	*	*	*		4	15
9	X2	F		5310-637-9541	(SUPPLIED UNDER STOCK NO. 5310-013-8485) WASHER, LOCK: OIL PMP MTG, CADMIUM-CHROMATE; 0.382 IN. ID. 0.688 IN. OD, 0.094 IN. THK			2	*	*	*		3	5
9	X2 X1	O		5306-286-5784 2805-173-0109	0110 - MANIFOLDS BOLT, MACHINE: MANIFOLD, 3/8-24 THD SIZE; 4 IN. LG GASKET SET: MANIFOLD			4 1	*	*	*			
					(COMPONENT OF GASKET SET, STOCK NO. 2805-620-0098, SEE GROUP 0100)									
	X1			5330-190-4218	GASKET: INTAKE AND EXHAUST MANIFOLD CENTER			1	"B" (74865) 666353				1	33
	X1			2805-353-8111	GASKET: INTAKE AND EXHAUST MANIFOLD END			4	"B" (74865) 666354				1	4
	X1				GASKET SET: MANIFOLD			1	"A" (74865) 780460					
					(COMPONENT OF GASKET SET, STOCK NO. 2805-353-8007, SEE GROUP 0100)									
	X1				GASKET: INTAKE AND EXHAUST MANIFOLD CENTER			1	"A" (74865) 601275				1	33
	X1				GASKET: INTAKE AND EXHAUST MANIFOLD END			4	"A" (74865) 318042				1	4
	X2	O		2805-388-7810	MANIFOLD ASSEMBLY, INTAKE AND EXHAUST			1	"B" (74865) 1326637	*	*	*	7	
	X2	O		5306-268-5784	BOLT, MACHINE: MANIFOLD TO MANIFOLD, 3/8-24 THD SIZE;									
					4 IN. LG			4	"B" (74865) 126167	*	*	*		
	P	O		2805-366-6449	GASKET: INTAKE TO EXHAUST MANIFOLD			1	"B" (74865) 666352	1	*	100		
9	X2	O		5310-021-8589	MANIFOLD, INTAKE NUT, PLAIN, HEXAGON: MANIFOLD TO MANIFOLD BOLT, BRASS;			1	"B" (74865) 1121704	*	*	*		
					3/8-24 THD SIZE			4	"B" (74865) 114457	*	*	*		
	X2	O		4730-278-3039	PLUG, PIPE: INTAKE MANIFOLD, 3/8-18 THD SIZE			1	"B" (74865) 103867	*	*	*	7	15
	X2	O		2805-376-8283	RING, FUEL CENTRALIZER			1	"A" (74865) 1122465	*	*	*	7	14
	X2	O		2805-397-9291	MANIFOLD ASSEMBLY: INTAKE AND EXHAUST			1	"A" (74865) 1122193	*	*	*	7	2
	P1	O		2805-353-8093	BEARING, SLEEVE: MANIFOLD HEAT CONTROL VALVE SHAFT			2	"A" (74865) 651251	*	*	8	7	9
	X2	O		5306-272-4270	BOLT, MACHINE: INTAKE TO EXHAUST MANIFOLD,									
					5/16-18 THD SIZE; 2 1/2 IN. LG			4	"A" (74865) 317942	*	*	*	7	1
9	P	O		2805-353-8086	GASKET: INTAKE TO EXHAUST MANIFOLD			1	"A" (74865) 601420	1	*	100	7	16
	X2	O		5310-011-4545	NUT, PLAIN, HEXAGON: MANIFOLD HEAT CONTROL VALVE, BRASS;									

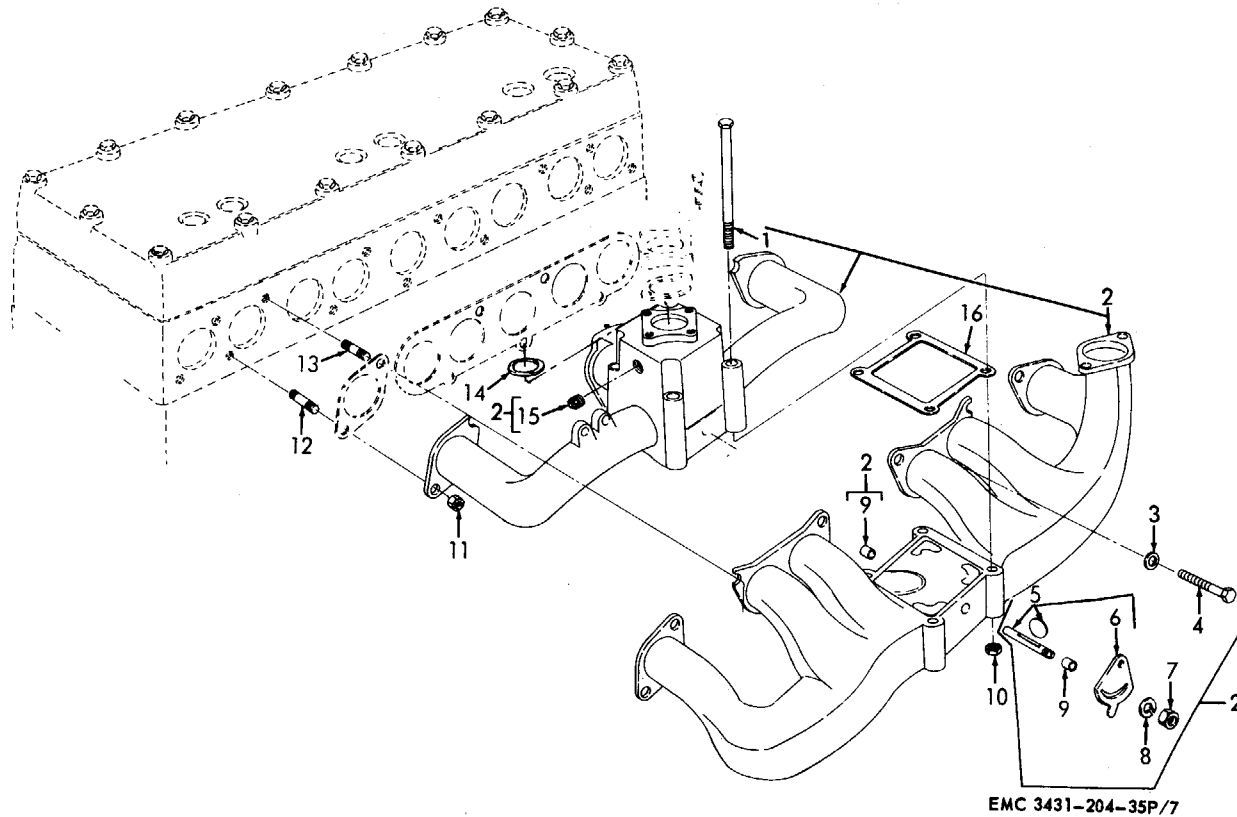


Figure 7. Manifolds.

INDEX TO PARTS, FIGURE 7

Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name
1	0110	BOLT	5	0110	SHAFT AY	9	0110	BEARING	13	0101	STUD
2	0110	MANIFOLD AY	6	0110	PLATE	10	0110	NUT	14	0110	RING
3	0110	WASHER	7	0110	NUT	11	0110	NUT	15	0110	PLUG
4	0110	SCREW	8	0110	WASHER	12	0101	STUD	16	0110	GASKET

SOURCE CODES

TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVER-ABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDA-BILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUS-TRATIONS		
									15 DAYS FIELD MAINTENANCE 3RD ECH 100 EQUIPMENTS	4TH ECH	DEPOT MAINTENANCE 5TH ECH	FIG NO	ITEM NO	
					0110 - MANIFOLDS (CONT)									
	X2	O			SHAFT ASSEMBLY: HEAT CONTROL VALVE			1	*	*	*	7	5	
	X2	O			PLATE, ADJUSTING: HEAT CONTROL VALVE			1	*	*	*	7	6	
	X2	O		5307-014-7716	STUD, PLAIN: MANIFOLD HEAT CONTROL VALVE, CADMIUM OR ZINC PLATED; ONE END 1/4-20 THD SIZE; OTHER END, 1/4-28 THD SIZE; 1 IN. LG			1	*	*	*			
9	X2	O		5310-194-1540	WASHER, FLAT: MANIFOLD HEAT CONTROL, CADMIUM OR ZINC-CHROMATE; 0.281 IN. ID, 0.625 IN. OD, 0.065 IN. THK			3	*	*	*			
9	X2	O		5310-012-1753	WASHER, LOCK: MANIFOLD HEAT CONTROL VALVE, CADMIUM OR ZINC PLATED; 0.262 IN. ID, 0.502 IN. OD, 0.025 IN. THK			1	*	*	*	7	8	
9	X2	O		5310-010-3026	NUT, PLAIN, HEXAGON: EXHAUST MANIFOLD MTG, 3/8-24 THD SIZE			4	*	*	*	7	10	
9	X2	O		5310-021-8589	NUT, PLAIN, HEXAGON: MANIFOLD MTG, BRASS; 3/8-24 THD SIZE	(74865)		7	*	*	*	7	11	
9	X2	O		5305-018-6283	SCREW, CAP, HEXAGON HEAD: MANIFOLD, 3/8-16 THD SIZE; 3 1/2 IN. LG			2	*	*	*			
9	X2	O		5307-011-3247	STUD, PLAIN: CARBURETOR MTG, CADMIUM OR ZINC PLATED; ONE END 3/8-16 THD SIZE; OTHER END 3/8-24 THD SIZE; (74865) 113247			2	*	*	*	9	10	
9	X2	O		5310-353-8073	WASHER, CLINCH RING: MANIFOLD CLAMP, 13/32 IN. ID, 1 IN. OD			4	*	*	*			
9	X2	O		5310-188-4234	WASHER, FLAT: MANIFOLD CLAMP, 13/32 IN. ID, 7/8 IN. OD, 1/8 IN. THK	(74865)		4	*	*	*	7	3	
	X2	O		5310-276-3034	WASHER, RECESSED: EXHAUST MANIFOLD STUD, BRASS; 7/16 IN. ID, 3/4 IN. OD, 1/4 IN. (74865) 623368			4	*	*	*			
					GROUP 03 - FUEL SYSTEM									
					0301 - CARBURETOR; FUEL INJECTOR									
	X2	O			ADAPTER, CARBURETOR FLANGE			1	*	*	*			
	X2	O		2910-353-8134	ADAPTER, FLANGE: CARBURETOR	(79865)		1	*	*	*	9	7	
	P	O		2910-358-4540	CARBURETOR, FLOAT	(74865)		1	2	*	15	9	5	
	P	O		2910-145-0220	GASKET: CARBURETOR BODY	(71500)		1	4	*	100			
	X1	O		2910-575-3771	GASKET: CARBURETOR ADAPTER	(74865)		1				9	8	
					(COMPONENT OF GASKET SET, STOCK NO. 2805-620-0098,									

9	X2	O	5305-013-3906	SCREW, MACHINE: CARBURETOR ADAPTER MTG, CADMIUM OR						
9	X2	O	5310-582-5965	ZINC-CHROMATE; 3/8-16 THD SIZE; 1 1/4 IN. LG WASHER, LOCK: CARBURETOR MTG, CADMIUM-CHROMATE; 0.255 IN. ID, 0.493 IN. OD, 0.062 IN. THK 0302 - FUEL PUMPS	(74865) 133906	2	*	*	*	9 6
9	X2	O	5306-266-6275	BOLT, MACHINE: FUEL PUMP MTG, CADMIUM OR ZINC PLATED;						
	X1		2910-351-6360	5/16-18 THD SIZE; 1 1/4 IN. LG GASKET: FUEL PUMP FLANGE (COMPONENT OF GASKET SETS, STOCK NO. 2805-353-8007 AND STOCK NO. 2805-620-0098, SEE GROUP 0100)	(74865) 688482	2 1	*	*	*	9 25 9 29
9	X2	O	5310-146-8442	NUT, PLAIN, WING: FUEL PUMP HEAT SHIELD, CADMIUM PLATED; TYPE, A, S, NO. 10-32 THD SIZE						
	P	O	2910-364-2776	PUMP, FUEL: GASOLINE ENGINE	(70040) 1537228	1	*	*	*	9 13
	P	O	5330-252-4078	WASHER, NONMETALLIC: FUEL PUMP STRAINER BOWL, CORK, 1 55/64 IN. ID, 2 19/64 IN. OD, 1/8 IN. THK	(70040) 1523096	1	6	*	*	100
	X2	O	2910-358-5345	SHIELD: HEAT, FUEL PUMP	(74865) 1071656	1	*	*	*	
	X2	O	5310-043-2226	STUD: FUEL PUMP HEAT SHIELD WASHER, LOCK: FUEL PUMP HEAT SHIELD, CADMIUM OR	(74865) 683861	1	*	*	*	
9	X2	O	5310-012-0214	ZINC-CHROMATE: 0.194 IN. ID, 0.337 IN. OD, 0.047 IN. THK WASHER, LOCK: FUEL PUMP MTG, CADMIUM OR ZINC-CHROMATE; 0.319 IN. ID, 0.591 IN. OD, 0.078 IN. THK 0304 - AIR CLEANER	(74865) 120217 (74865) 120214	1 2	*	*	*	9 26
	X2	O		AIR CLEANER ASSEMBLY	(00684) E7765	1	*	*	*	8
	X2	O		BAND ASSEMBLY	(00684) P2147	2	*	*	*	8 10
	X2	O		BODY ASSEMBLY	(00684) 2P3443	1	*	*	*	8 4
	X1			BAFFLE, BACKFIRE	(00684) P3081	1				
	X1			BODY, AIR CLEANER	(00684) P3080	1				
	X1			COVER ASSEMBLY	(00684) P5794	1				
	X1			COVER	(00684) 2P1964	1				
	X1			TUBE, OUTLET	(00684) P2051	1				
	X2	O		SCREEN: AIR CLEANER	(00684) P1973	8	*	*	*	
	X2	O		SCREEN: AIR CLEANER	(00684) P2043	8	*	*	*	
	X1			SKIRT ASSEMBLY	(00684) P5790	1				
	X1			SKIRT, OUTER, UPPER	(00684) P2049	1				
	X1			SKIRT, OUTER, LOWER	(00684) P2034	1				
	X2	O		CLAMP ASSEMBLY: OIL CUP RETAINING	(00684) P2989	1	*	*	*	8 16
	X2	O		BOLT, CLAMP	(00684) P2690	1	*	*	*	8 12
	X1			CLAMP: OIL CUP RETAINING	(00684) P3002	1				8 13
	X2	O		NUT, SQUARE: CLAMP ASSEMBLY	(00684) P5300	1	*	*	*	8 15
	X2	O		WASHER	(00684) P2949	1	*	*	*	8 14
	X2	O		CUP ASSEMBLY, OIL	(00684) P3342	1	*	*	*	8 17
	X1			BAFFLE, OIL	(00684) P2039	1				
	X1			CUP, OIL	(00684) P3082	1				
	X2	O	4730-358-5965	CLAMP, HOSE: AIR CLEANER HOSE, 1 TO 3 IN. ID (GE)	(28835) 181/2	3	*	*	*	8 2
	X2	O	2940-429-1031	ELBOW, AIR CLEANER	(28835) 5CW732	1	*	*	*	8 1
	P	O	5330-246-2906	GASKET: AIR CLEANER ELBOW	(74865) 952062	1	6	*	*	100

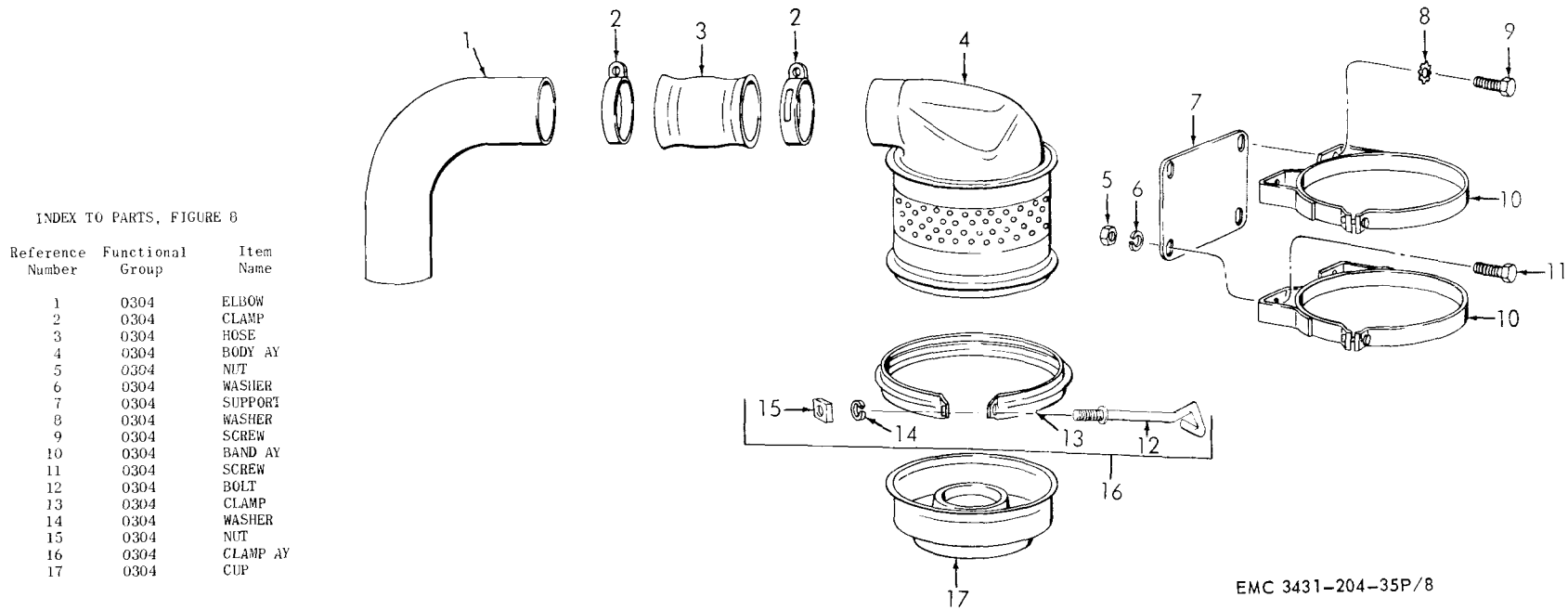


Figure 8. Air Cleaner.

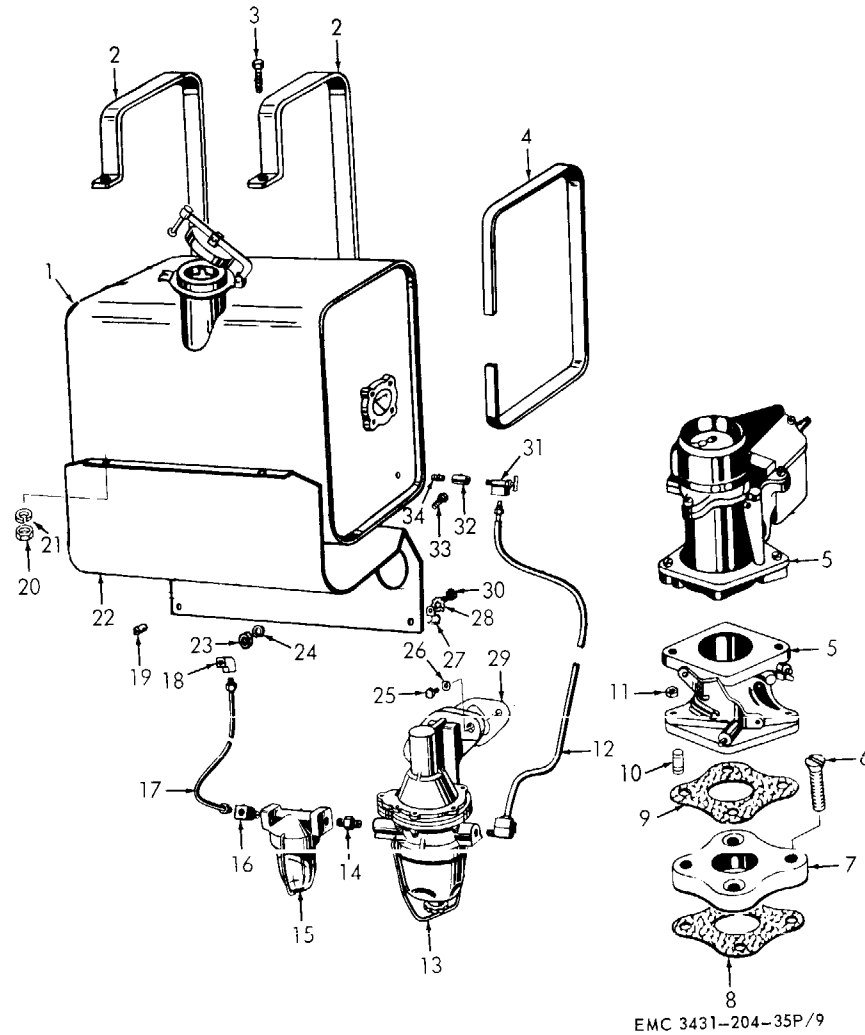
SOURCE CODES				FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDABILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUSTRATIONS	
TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVERABILITY						15-DAYS FIELD MAINTENANCE		DEPOT MAINTENANCE	FIG. NO.	ITEM NO.
									3RD ECH	4TH ECH	5TH ECH		
									100 EQUIPMENTS				
					0304 - AIR CLEANER (cont)								
	P1	0		5330-246-2966	HOSE, AIR CLEANER: preformed (28835) 5CW713			1	*	*	20	8	3
9	X2	0		5310-637-0110	NUT, PLAIN, HEXAGON: air cleaner bracket, cadmium plated; 1/4-20 thd size			4	*	*	*	8	5
9	X2	0		5305-012-3382	SCREW, CAP, HEXAGON HEAD: air cleaner bracket to engine, cadmium or zinc-chromate; 3/8-24 thd size; 1/2 in. lg			2	*	*	*	8	9
9	X2	0		5305-543-2685	SCREW, MACHINE: air cleaner mtg bracket, cadmium or zinc plated; 1/4-20 thd size; 3/8 in. lg			4	*	*	*	8	11
	X2	0			SUPPORT, AIR CLEANER (28835) 5CW699			1	*	*	*	8	7





## INDEX TO PARTS, FIGURE 9

Reference Number	Functional Group	Item Name
1	0306	TANK
2	0306	STRAP
3	0306	BOLT
4	0306	PACKING
5	0301	CARBURETOR
6	0301	SCREW
7	0301	ADAPTER
8	0301	GASKET
9	0301	GASKET
10	0110	STUD
11	0301	NUT
12	0306	LINE AY
13	0302	PUMP
14	0306	NIPPLE
15	0309	FILTER
16	0306	ELBOW
17	0306	LINE AY

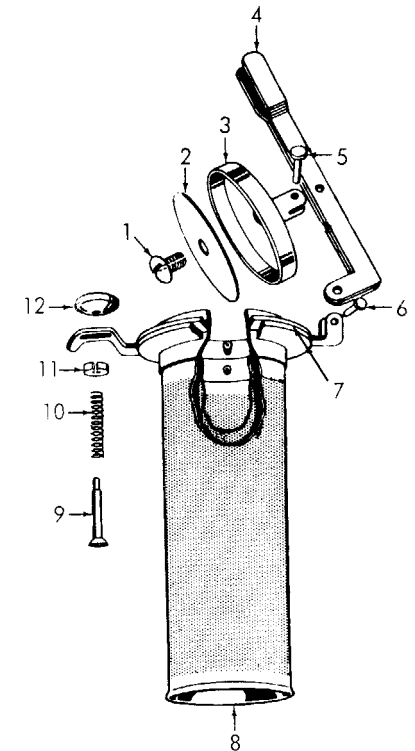


## INDEX TO PARTS, FIGURE 9 (cont)

Reference Number	Functional Group	Item Name
18	0306	ELBOW
19	0306	SPACER
20	0306	NUT
21	0306	WASHER
22	0306	SUPPORT
23	0306	NUT
24	0306	WASHER
25	0302	BOLT
26	0302	WASHER
27	0612	CLAMP
28	0306	WASHER
29	0302	GASKET
30	0306	BOLT
31	0306	COCK
32	0306	COUPLING
33	0306	SCREW
34	0306	NIPPLE

Figure 9. Fuel System for Symbol (A).

TM 5-3431-204-35P



EMC 3431-204-35P/10

Figure 10. Gas Cap.

## INDEX TO PARTS, FIGURE 10

Reference Number	Functional Group	Item Name
1	0306	SCREW
2	0306	PACKING
3	0306	CAP
4	0306	BAR
5	0306	RIVET
6	0306	RIVET
7	0306	PACKING
8	0306	SCREEN-FLANGE
9	0306	RIVET
10	0306	SPRING
11	0306	WASHER
12	0306	WASHER

SOURCE CODES

TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVER- ABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDA- BILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUS- TRATIONS		
									15 DAYS MAINTENANCE 3RD ECH 100 EQUIPMENTS	FIELD 4TH ECH	DEPOT MAINTENANCE 5TH ECH	FIG NO	ITEM NO	
0306 - TANKS, LINES, FITTINGS (CONT)														
	X2	O		4730-230-1996	NIPPLE, PIPE: FUEL PUMP TO FUEL STRAINER, 1/8-27 THD SIZE: 3/4 IN. LG (GE)			1	*	*	*		9	14
9	X2	O		4730-050-1357	NIPPLE, PIPE: FUEL TANK TO NEEDLE VALVE COUPLING, CADMIUM OR ZINC PLATED; 1/8-27 THD SIZE; 3/4 IN. LG	(74865)		1	*	*	*		9	34
9	X2	O		5310-010-2634	NUT, PLAIN, HEXAGON: FUEL TANK STRAP TO TANK, 5/16-18 THD SIZE	"A"		2	*	*	*		9	20
9	X2	O		5310-584-5005	NUT, PLAIN, HEXAGON: FUEL TANK SUPPORT MTG, UPPER CADMIUM OR ZINC-CHROMATE; 1/4-20 THD SIZE	"A"		2	*	*	*		9	23
9	X2	O		5330-298-5444	PACKING, MATERIAL: FUEL TANK STRAP	"A" (28835)	5CW1236	2	*	*	*		9	4
9	X2	O		5305-012-3737	SCREW, CAP, HEXAGON HEAD: FUEL TANK SUPPORT MTG, UPPER, CADMIUM OR ZINC-CHROMATE; 1/4-28 THD SIZE; 1 1/4 IN. LG	"A"		2	*	*	*		9	33
9	X2	O		5305-012-0680	SETScrew: SAFETY GAS TANK CAP, 1/4-20 THD SIZE; 1/2 IN. LG	"A"		2	*	*	*		9	19
	X2	O		3431-731-8473	SPACER: FUEL TANK SUPPORT TO HOUSING	"A" (28835)	AW397	1	*	*	*		9	2
	X2	O			STRAP, FUEL TANK	"A" (28835)	5CW1226	2	*	*	*		9	22
	X2	O			SUPPORT, GAS TANK	"A" (28835)	DDW211	1	*	*	*		9	1
9	X2	O		2910-377-5291	TANK, FUEL	"A" (28835)	5CW1139	1	*	*	*		12	2
	X2	O		2910-804-7381	TANK, FUEL, ENGINE	"B" (28835)	5CW981	1	*	*	*		9	21
9	X2	O		5310-012-0214	WASHER, LOCK: FUEL TANK STRAP TO TANK, CADMIUM OR ZINC PLATED; 0.319 IN. ID, 0.591 IN. OD, 0.078 IN. THK	"A"		2	*	*	*		9	28
9	X2	O		5310-010-3320	WASHER, LOCK: FUEL TANK SUPPORT MTG, LOWER AND BATTERY CABLE CLAMP MTG, 0.319 IN. ID, 0.591 IN. OD, 0.078 IN. THK	"A"		2	*	*	*		9	24
9	X2	O		5310-582-5965	WASHER, LOCK: FUEL TANK SUPPORT MTG, UPPER, CADMIUM CHROMATE; 0.255 IN. ID, 0.493 IN. OD, 0.062 IN. THK	"A"		2	*	*	*			
0308 - ENGINE SPEED GOVERNOR														
	P	O		3030-180-2127	BELT, V: GOVERNOR DRIVE	(24161)	3330	1	2	*	100			
9	X2	O		5306-010-0124	BOLT, MACHINE: GOVERNOR MTG, 5/16-18 THD SIZE; 1 1/2 IN. LG			2	*	*	*		35	10
	P1	O	R	2990-374-5062	GOVERNOR, GASOLINE ENGINE	(28835)	DW5490A	1	*	*	2		35	8
	C	F		2990-391-3048	ADAPTER, THROTTLE ARM	(28835)	DW5632	1	*	*	*		11	24
9	C	F		3110-144-8996	BEARING, BALL, ANNULAR: ROTOR SHAFT	(28835)	3856D11	1	*	*	*		11	10
	C	F		3110-271-0222	BEARING, BALL, ANNULAR: THROTTLE SHAFT	(28835)	3856A11	2	*	*	*		11	26
9	C	F		3110-144-8498	BEARING, BALL, ANNULAR: THRUST SPOOL	(28835)	3856D9	1	*	*	*		11	48
9	C	F		3110-144-8498	BEARING, BALL, ANNULAR: THRUST SPOOL	(28835)	3856D8	1	*	*	*		11	49
9	C	F		3110-183-6715	BEARING, ROLLER, NEEDLE: WEIGHT PIN	(28835)	3856D3	4	*	*	*		11	2
	C	F		5306-213-1220	BOLT, EYE: THROTTLE ARM SPRING	(28835)	3856E6	1	*	*	*		11	22
9	C	F		5306-017-9814	BOLT, MACHINE: ADJUSTABLE ARM, 5/16-18 THD SIZE, 5/8 IN. LG	(28835)	DW3146	1	*	*	*		11	19

SOURCE CODES

TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVER-ABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDA-BILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUS-TRATIONS		
									15 DAYS FIELD MAINTENANCE 3RD ECH 100 EQUIPMENTS	4TH ECH	DEPOT MAINTENANCE 5TH ECH	FIG NO	ITEM NO	
					0308 - ENGINE SPEED GOVERNOR (CONT)									
	X1				BRACKET, GUIDE			1					11	28
	C	F		5340-282-1673	CLIP, RETAINING: SPRING		(28835) DW5488	4	*	*	*		11	1
	C	F		4340-374-5167	CLIP, RETAINING: SPRING, PRESSURE FORK		(28835) 3856D7	1	*	*	*		11	43
	C	F		2990-374-5186	FORK, THROTTLE SHAFT		(28835) 3856B5	1	*	*	*		11	39
	C	F		5330-297-4806	GASKET: FRONT HOUSING CAP SCREWS		(28835) 5CW3078	6	*	*	*		11	15
	C	F		2990-322-0881	GASKET: HOUSING (GE)		(28835) 3856E10	1	*	*	*		11	15
					(CAN BE MANUFACTURED FROM PAPER GASKET, STOCK NO. 5330-233-5845)									
	C	F		5330-285-3425	GASKET, SETSCREW		(28835) 3856E9	1	*	*	*		11	47
	X1				GASKET, SETSCREW		(28835) 3856A10	1	*	*	*		11	36
	C	F		2990-440-6228	HOUSING, FRONT		(28835) 3856A10	1	*	*	*		11	50
	9	C	F	5315-010-3904	HOUSING, GOVERNOR: REAR		(28835) DW5486	1	*	*	*		11	38
	C	F		2990-374-5063	KEY, WOODRUFF: THROTTLE SHAFT, NO. 304			2	*	*	*		11	9
	9	C	F	5310-010-3025	LEVER, GOVERNOR: ADJUSTABLE		(28835) DW5610	1	*	*	*		11	16
	9	C	F	5310-266-4178	NUT, PLAIN, HEXAGON: EYE BOLT LOCKING, 5/16-24 THD SIZE			2	*	*	*		11	23
	C	F		5310-269-6511	NUT, PLAIN, HEXAGON: MAIN GOVERNOR ADJUSTING SCREW, 1/4-28 THD SIZE		(28835) 3856A15	1	*	*	*		11	30
	C	F		5315-664-7797	NUT, SELF-LOCKING, HEXAGON: SETSCREW LOCK, 1/4-28 THD SIZE		(28835) 3856A9	1	*	*	*		11	35
	C	F		2990-973-1648	PIN, GROOVED, HEADLESS: WEIGHT TO SHAFT, 0.2506 IN. DIA, 1 5/16 IN. LG		(28835) 3856D5	2	*	*	*		11	6
	C	F		4730-287-1551	PLATE, INSTRUCTION: GOVERNOR		(28835) 5CW1402A	1	*	*	*		11	32
	C	F		4730-287-3281	PLUG, PIPE: OIL DRAIN, BRASS; 1/8-27 THD SIZE (GE)		(28835) 53W3834	1	*	*	*		11	29
	C	F		4730-289-4933	PLUG, PIPE: OIL FILLER, BRASS; 1/8-27 THD SIZE (GE)		(28835) 3856A5	1	*	*	*		11	46
	C	F		3020-200-2004	PLUG, PIPE: OIL LEVEL, BRASS; 1/8-27 THD SIZE (GE)		(28835) 3856A4	1	*	*	*		11	33
	C	F		3431-395-1988	PULLEY, DRIVE		(28835) DW5718	1	*	*	*		11	13
	9	C	F	3431-374-5166	RETAINER, OIL: BALL BEARING		(28835) 5CW3522	1	*	*	*		11	11
	C	F		5340-205-5131	RETAINER, THROTTLE SHAFT		(28835) 3856A16	1	*	*	*		11	42
	9	C	F	5305-291-8685	RING, RETAINING: THROTTLE SHAFT		(28835) 3856B8	1	*	*	*		11	44
	9	C	F	5305-012-3291	SCREW, CAP, HEXAGON HEAD: FRONT HOUSING, CADMIUM OR ZINC PLATED, NO. 10-24 THD SIZE, 3/4 IN. LG		(28835) 3856E11	6	*	*	*		11	14
	C	F		5305-282-9791	SCREW, CAP, HEXAGON HEAD: GUIDE BRACKET, CADMIUM OR ZINC PLATED; 1/4-28 THD SIZE; 5/16 IN. LG			2	*	*	*		11	27
	C	F		5305-014-5364	SCREW, CAP, HEXAGON HEAD: MAIN GOVERNOR ADJUSTING, 1/4-28 THD SIZE, 1 1/4 IN. LG		(28835) 3856A14	1	*	*	*		11	31
	C	F		5330-291-2328	SCREW, DRIVE: NAMEPLATE, CADMIUM OR ZINC PLATE; NO. 00 1/8 IN. LG		(28835) 3856A3	2	*	*	*			
	9	C	F	5305-010-2569	SEAL, PLAIN ENCASED		(28835) 3856B6	1	*	*	*		11	25
	9	C	F	5305-268-7166	SETSCREW: ADAPTER ARM, 1/4-20 THD SIZE, 1/4 IN. LG			1	*	*	*		11	51
	C	F		5305-390-3381	SETSCREW: DRIVE PULLEY, 3/8-16 THD SIZE, 1/2 IN. LG		(28835) 3856A7	1	*	*	*		11	12
	C	F		2990-374-5183	SETSCREW: 1/4-28 THD SIZE, 1 3/8 IN. LG		(28835) 3856A7	1	*	*	*		11	34
					SHAFT, ROTOR		(28835) 5CW2830	1	*	*	*		11	8

INDEX TO PARTS, FIGURE 11

Reference Number	Functional Group	Item Name
1	0308	CLIP
2	0308	BEARING
3	0308	STUD
4	0308	WEIGHT
5	0308	SHIM
6	0308	PIN
7	0308	SPOOL
8	0308	SHAFT
9	0308	KEY
10	0308	BEARING
11	0308	RETAINER
12	0308	SETScrew
13	0308	PULLEY
14	0308	SCREW
15	0308	GASKET
16	0308	LEVER
17	0308	WASHER
18	0308	WIRE
19	0308	BOLT
20	0308	WASHER
21	0308	SPRING
22	0308	BOLT
23	0308	NUT
24	0308	ADAPTER
25	0308	SEAL
26	0308	BEARING
27	0308	SCREW
28	0308	BRACKET
29	0308	PLUG
30	0308	NUT
31	0308	SCREW
32	2210	PLATE
33	0308	PLUG
34	0308	SETScrew
35	0308	NUT
36	0308	GASKET
37	0308	SPRING
38	0308	HOUSING
39	0308	FORK
40	0308	WASHER
41	0308	SHAFT
42	0308	RETAINER
43	0308	CLIP
44	0308	RING
45	0308	WASHER
46	0308	PLUG
47	0308	GASKET
48	0308	BEARING
49	0308	BEARING
50	0308	HOUSING
51	0308	SETScrew

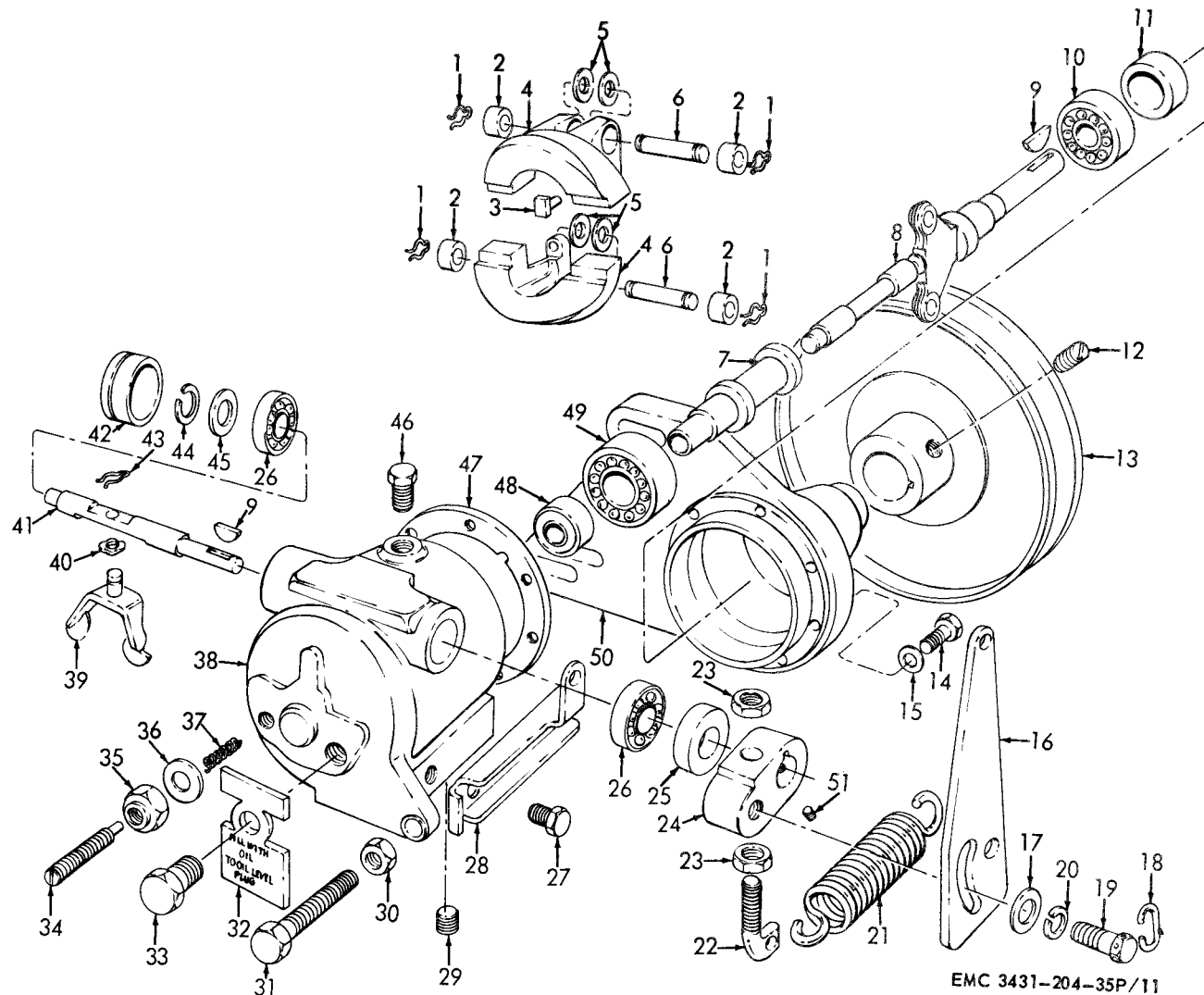


Figure 11. Governor.

SOURCE CODES

TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVER-ABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDA-BILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUS-TRATIONS		
									15 DAYS FIELD MAINTENANCE 3RD ECH 100 EQUIPMENTS	4TH ECH	DEPOT MAINTENANCE 5TH ECH	FIG NO	ITEM NO	
					0308 - ENGINE SPEED GOVERNOR (CONT)									
	C	F		2910-374-5182	SHAFT, THROTTLE CONTROL (28835) 5CW2829			1	*	*	*	11	41	
	C	F		2990-214-2378	SHIM, WEIGHT, ROTOR SHAFT (28835) 3856D6			4	*	*	*	11	5	
	C	F		2990-374-5188	SPOOL, THRUST, ROTOR SHAFT (28835) 5CW972			1	*	*	*	11	7	
	C	F		2990-305-9624	SPRING, HELICAL, COMPRESSION: SETSCREW (28835) 3856A8			1	*	*	*	11	37	
	C	F		2990-664-7450	SPRING, THROTTLE ARM, 1800 RPM (28835) 126			1	*	*	*	11	21	
	C	F		5307-374-5169	STUD, PLAIN, CONTROL WEIGHT ADJUSTING, GOVERNOR GASOLINE (28835) 3856D4			2	*	*	*	11	3	
9	C	F		5310-010-6261	WASHER, FLAT: ADJUSTABLE ARM, 5/16 IN. ID, 3/4 IN. OD, 1/16 IN. THK			1	*	*	*	11	17	
	C	F		5310-262-4812	WASHER, FLAT: THROTTLE SHAFT, 0.377 IN. OD, 0.563 IN. OD, 0.032 IN. THK (28835) 3856B7			1	*	*	*	11	45	
9	C	F		5310-010-3320	WASHER, LOCK: ADJUSTABLE ARM, 0.319 IN. ID, 0.591 IN. OD, 0.078 IN. THK			1	*	*	*	11	20	
	C	F		5310-213-1219	WASHER, SPRING, TENSION: PRESSURE FORK PIN, 0.375 IN. ID, 0.600 IN. OD, 0.016 IN. THK (28835) 3856B4			1	*	*	*	11	40	
	C	F		2990-306-0056	WEIGHT, CONTROL: GOVERNOR (28835) 3856D2			2	*	*	*	11	4	
	C	F			WIRE, LOCK: ADJUSTABLE ARM CAP SCREW (3 IN. REQUIRED) (CAN BE MANUFACTURED FROM WIRE, STEEL, CARBON, STOCK NO. 9505-198-9104)				*	*	*	11	18	
9	X2	O		5310-660-2649	NUT, PLAIN, HEXAGON: CONTROL ROD TO CARBURETOR, 1/4-28 THD SIZE			1	*	*	*	35	6	
9	X2	O		5310-010-2634	NUT, PLAIN, HEXAGON: GOVERNOR MTG SCREW, 5/16-18 THD SIZE			2	*	*	*			
	X2	O		2990-447-4279	ROD, HORIZONTAL: SLIP JOINT, GOVERNOR TO CARBURETOR (28835) 5CW701			1	*	*	*	35	7	
9	X2	O		5310-010-3319	WASHER, LOCK: CARBURETOR GOVERNOR ROD, 0.255 IN. ID, 0.493 IN. OD, 0.062 IN. THK			2	*	*	*			
9	X2	O		5310-010-8579	WASHER, LOCK: GOVERNOR MTG SCREW, 0.319 IN. ID, 0.601 IN. OD, 0.097 IN. THK			2	*	*	*	35	9	
					0309 - FUEL FILTERS									
	X2	O		2910-204-3390	FILTER, FLUID PRESSURE: FUEL (INCLUDES COMPONENT OF PACKAGE KIT, STOCK NO. (71500) F30-66U) (71500) F862S			1	*	*	*	9	15	
	X1				BODY, FILTER (71500) F0729			1						
	X1				BOWL, FUEL FILTER (METAL) (71500) F23-41			1						
	X1				RETAINER AND SCREW: BOWL (71500) F63-146S			1						
	X1			5340-358-5355	SPRING, HELICAL, COMPRESSION (71500) F61-379			1						
	A	O			PACKAGE KIT (71500) F30-66U			1						
	P1	O		2910-495-1614	FILTER ELEMENT FLUID PRESSURE (CERAMIC) (71500) F30-60			1	1	*	10			
	P	O		2910-495-1613	GASKET (71500) F23A20			1	6	*	100			

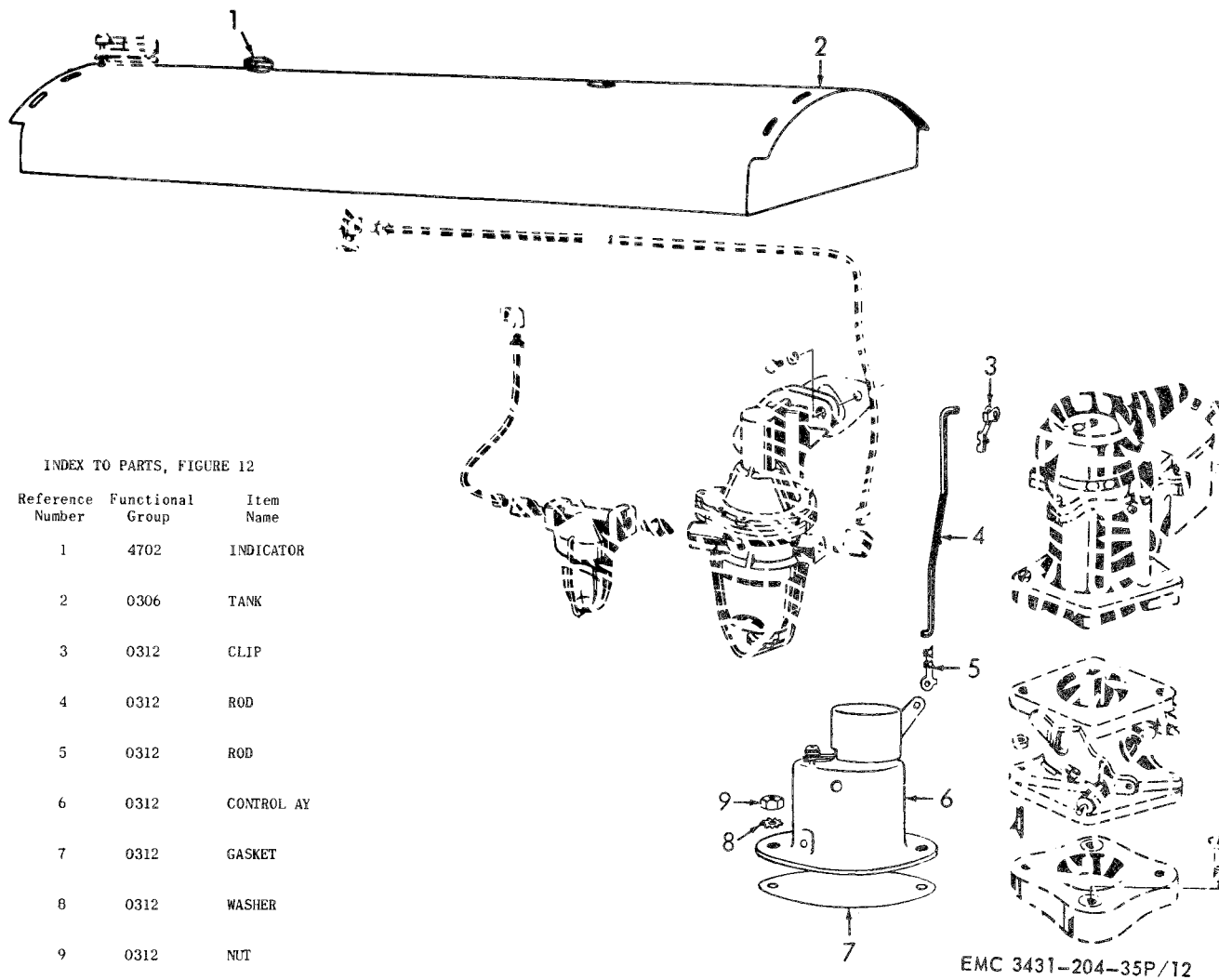
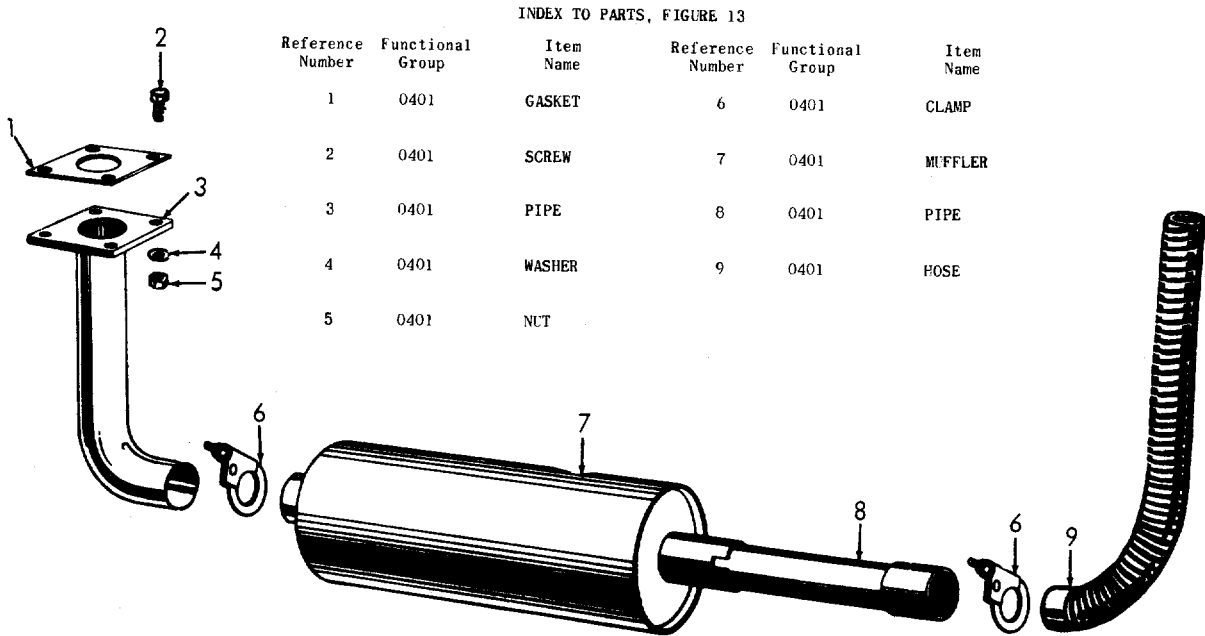


Figure 12. Fuel Tank and Control for Symbol (B).

SOURCE CODES

TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVER-ABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPEN- DABILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUS-TRATIONS		
									15 DAYS MAINTENANCE 3RD ECH 100 EQUIPMENTS	FIELD MAINTENANCE 4TH ECH	DEPOT MAINTENANCE 5TH ECH	FIG NO	ITEM NO	
					0312 - ACCELERATOR, THROTTLE OR CHOKE CONTROLS									
	X2	O		2910-145-0247	BRACKET ASSEMBLY, CHOKE; CARBURETOR CHOKE TUBE		"B" (74865)	651194	1	*	*	*		
	M	O			CABLE: AUTOMATIC CHOKE FEED		"B" (74865)	211318	1					
	X2	O			MANUFACTURE FROM:									
11	X2	O		5940-271-9499	SLEEVE, CABLE		"B" (74865)	926026	2	*	*	*		
	X2	O			TERMINAL, LUG: COPPER, TINNED FINISH;		"B" (74865)	200393	2	*	*	*		
9	P	O		6145-313-9429	NO. 12 TO 10 AWG, FOR NO. 10 SCREW SIZE									
	X2	O			WIRE, ELECTRICAL: COPPER, TINNED FINISH; NO. 16 AWG, STRANDED CONDUCTOR (27 IN. REQUIRED)	FT	"B"		*	*	8			
	X2	O			CLIP: AUTOMATIC CHOKE FEED, CABLE (LOCATED ON NO. 7 AND NO. 7 CYLINDER HEAD SCREWS)		"B" (74865)	871100	2	*	*	*		
	X2	O		2910-366-6542	CLIP, CARBURETOR CHOKE ROD: UPPER		(74865)	629792	1	*	*	*	12	3
	X2	O		2910-364-2765	CONTROL ASSEMBLY: AUTOMATIC		"B" (74865)	677179	1	*	*	*	12	6
	X2	O		2990-294-6749	CONTROL ASSEMBLY, PUSH-PULL: CHOKE		"A" (74865)	5CW1250	1	*	*	*	32	43
	X2	O		2805-364-2769	GASKET: AUTOMATIC CHOKE		"B" (74865)	647834	1	*	*	*	12	7
9	X2	O		5310-011-4545	NUT, PLAIN, HEXAGON: AUTOMATIC CHOKE MTG, BRASS; 1/4-28 THD SIZE		"B" (74865)	114545	2	*	*	*	12	9
	X2	O		2910-732-7706	ROD: AUTOMATIC CHOKE		"B" (28835)	5CW711	1	*	*	*	12	4
	X2	O		2910-622-4837	ROD, SPRING CLIP: CHOKE ROD, LOWER		(74865)	612492	1	*	*	*	12	5
9	X2	O		5305-042-6950	SCREW, CAP, HEXAGON HEAD: AUTOMATIC CHOKE FEED CABLE CLIP, CADMIUM OR ZINC PLATED; 3/8-24 THD SIZE; 1/2 IN. LG		"B" (74865)	123382	2	*	*	*		
9	X2	O		5305-012-1832	SCREW, MACHINE: AUTOMATIC CHOKE TERMINAL, CADMIUM OR ZINC PLATE; NO. 8-32 THD SIZE; 3/8 IN. LG		"B" (74865)	121832	1	*	*	*		
9	X2	O		5305-015-5028	SCREW, MACHINE: CHOKE TUBE BRACKET, CADMIUM OR ZINC PLATED; NO. 8-32 THD SIZE; 5/16 IN. LG		"B"		1	*	*	*		
	X2	O		5340-145-0214	SPRING, TENSION CARBURETOR: CHOKE PULL BACK		"A" (74865)	651192	1	*	*	*		
	X2	O		5307-269-6700	STUD, PLAIN: AUTOMATIC CHOKE ATTACHING, ONE END, 1/4-20 THD SIZE; OTHER END, 1/4-28 THD SIZE; 1 1/16 IN. LG		"B" (74865)	657047	2	*	*	*		
9	X2	O		5310-582-5977	WASHER, FLAT: AUTOMATIC CHOKE FEED CABLE SCREW, CADMIUM OR ZINC-CHROMATE; 0.406 IN. ID, 0.812 IN. OD, 0.065 IN. THK		"B" (74865)	120394	2	*	*	*		
9	X2	O		5310-637-9541	WASHER, LOCK: AUTOMATIC CHOKE FEED CABLE SCREW, CADMIUM-CHROMATE; 0.382 IN. ID, 0.688 IN. OD, 0.094 IN. THK		"B" (74865)	120382	2	*	*	*		
9	X2	O		5310-012-1753	WASHER, LOCK: AUTOMATIC CHOKE MTG, CADMIUM OR ZINC-CHROMATE; 0.262 IN. ID, 0.502 IN. OD, 0.025 IN. THK		"B" (74865)	121753	2	*	*	*	12	8
9	X2	O		5310-550-0285	WASHER, LOCK: AUTOMATIC CHOKE TERMINAL, CADMIUM OR ZINC-CHROMATE; 0.172 IN. ID, 0.373 IN. OD, 0.020 IN. THK		"B"		1	*	*	*		





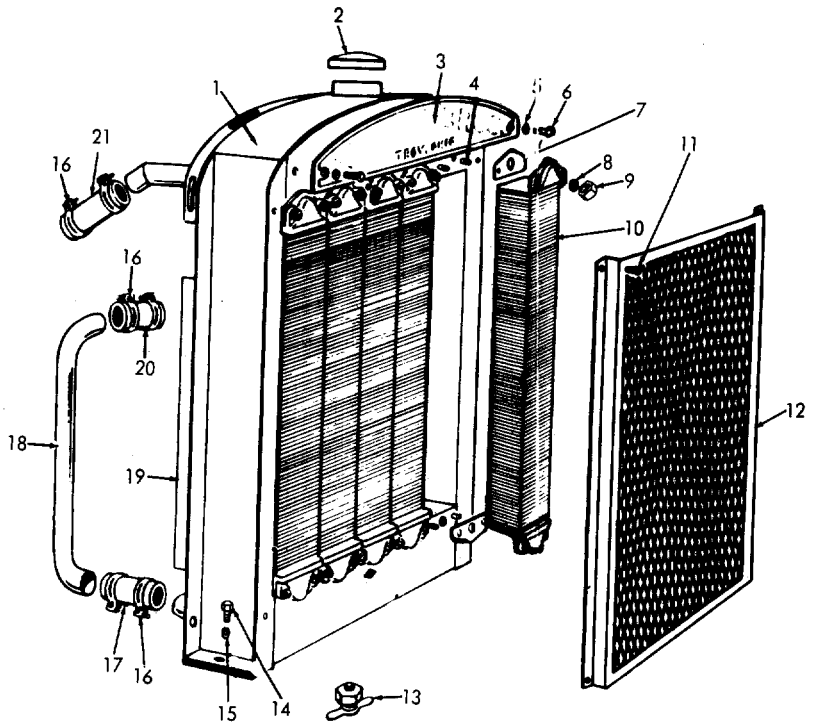
INDEX TO PARTS, FIGURE 13

Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name
1	0401	GASKET	6	0401	CLAMP
2	0401	SCREW	7	0401	MUFFLER
3	0401	PIPE	8	0401	PIPE
4	0401	WASHER	9	0401	HOSE
5	0401	NUT			

Figure 13. Muffler and Pipes.

INDEX TO PARTS, FIGURE 14

Reference Number	Functional Group	Item Name
1	0501	SHELL
2	0501	CAP
3	2210	PLATE
4	0501	STUD
5	2210	GASKET
6	2210	SCREW
7	0501	GASKET
8	0501	WASHER
9	0501	NUT
10	0501	CORE
11	0501	SCREW
12	0501	GUARD
13	0503	COCK
14	0501	SCREW
15	0501	WASHER
16	0503	CLAMP
17	0503	HOSE
18	0503	PIPE
19	0502	SHROUD
20	0503	HOSE
21	0503	HOSE



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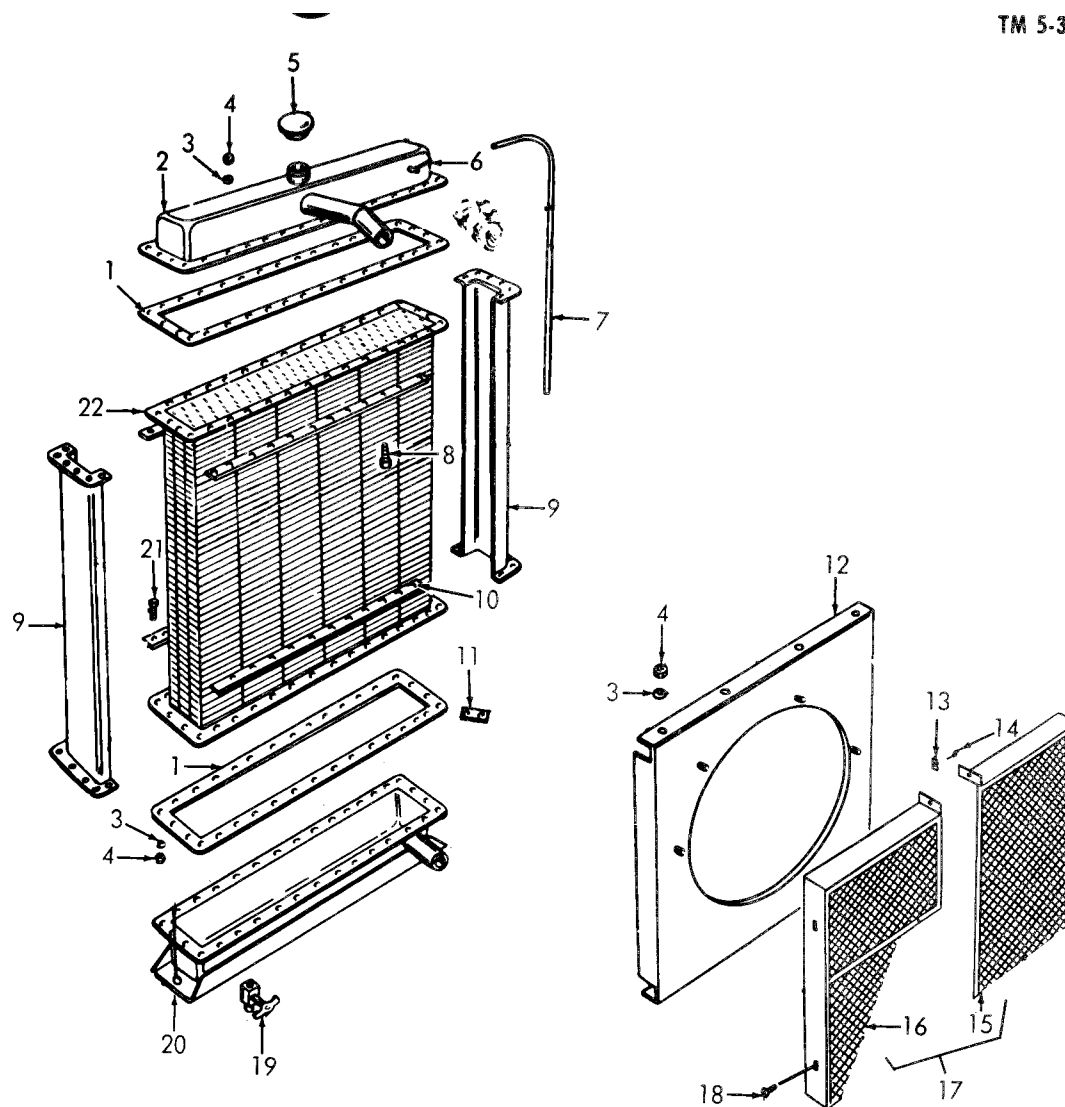
Figure 14. Radiator for Symbol (A).

SOURCE CODES

TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVER- ABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPEN- DABILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUS- TRATIONS		
									15 DAYS MAINTENANCE 3RD ECH 100 EQUIPMENTS	4TH ECH	DEPOT MAINTENANCE 5TH ECH	FIG NO	ITEM NO	
GROUP 04 - EXHAUST SYSTEM														
0401 - MUFFLER AND PIPES														
	P	O		2990-374-5050	CLAMP: EXHAUST PIPE TO MUFFLER, MUFFLER TO TAILPIPE; TAILPIPE TO FLEXIBLE TAIL PIPE			3	2	*		90	13	6
	P	O		2805-298-0514	GASKET: EXHAUST PIPE FLANGE			1	1	*		100	13	1
	X1			2805-298-0514	GASKET: EXHAUST PIPE FLANGE (COMPONENT OF GASKET SET, STOCK NO. 2805-620-0098, SEE GROUP 0100)			1					31	1
	P	O		2805-298-0514	GASKET: MUFFLER PIPE FLANGE TO MANIFOLD			1	1	*		100	13	1
	P1	O		2990-429-0966	HOSE, METAL: END FLEXIBLE, STEEL			1	*	*		30	13	9
	P1	O		2990-174-5252	MUFFLER, EXHAUST			1	*	*		30	13	7
9	X2	O		5310-013-4570	NUT, PLAIN, HEXAGON: MANIFOLD TO EXHAUST PIPE FLANGE			1	*	*				
9	X2	O		5310-012-0377	SCREW, BRASS: 3/8-16 THD SIZE			2	*	*		*	13	5
	P1	O		2990-447-4222	NUT, PLAIN, HEXAGON: MANIFOLD TO EXHAUST PIPE FLANGE SCREW, CADMIUM OR ZINC-CHROMATE; 3/8-16 THD SIZE			4	*	*		*	13	5
	X2	O		2990-393-6609	PIPE, EXHAUST			1	*	*		30	13	8
	X2	O		2990-393-6609	PIPE: EXHAUST, MANIFOLD TO MUFFLER			1	*	*		*	13	3
9	X2	O		5305-017-9843	PIPE: EXHAUST, MANIFOLD TO MUFFLER			1	*	*		*	13	3
	X2	O		5305-017-9843	SCREW, CAP, HEXAGON HEAD: MANIFOLD TO EXHAUST PIPE FLANGE, CADMIUM OR ZINC PLATED, 3/8-16 THD SIZE; 1 1/2 IN. LG			2	*	*		*	13	2
9	X2	O		5305-021-4389	SCREW, CAP, HEXAGON HEAD: MANIFOLD TO EXHAUST PIPE FLANGE, 3/8-16 THD SIZE; 1 1/4 IN. LG			4	*	*		*	13	2
9	X2	O		5305-227-1084	SCREW, TAPPING, THREAD FORMING: MUFFLER SHIELD, CADMIUM OR ZINC PLATED; NO. 6-18 THD SIZE; 3/8 IN. LG			4	*	*		*	22	24
	X2	O		3375-374-5064	SHIELD ASSEMBLY, HEAD MUFFLER: HEAT AND SPLASH			1	*	*		*	22	25
9	X2	O		5310-637-9541	WASHER, LOCK: MANIFOLD TO EXHAUST PIPE FLANGE SCREW, CADMIUM-CHROMATE; 0.382 IN. ID, 0.688 IN. OD, 0.094 IN. THK			4	*	*		*	13	4
9	X2	O		5310-013-1099	WASHER, LOCK: MANIFOLD TO EXHAUST PIPE FLANGE SCREW, CADMIUM OR ZINC PLATED; 0.382 IN. ID, 0.696 IN. OD, 0.115 IN. THK			2	*	*		*	13	4
GROUP 05 - COOLING SYSTEM														
0501 - RADIATOR														
	X2	O		2930-429-0946	GUARD, FRONT: RADIATOR			1	*	*		*	14	12
	X2	O		2930-447-4284	RADIATOR ASSEMBLY			1	*	*		*	14	
	P1	O	R	2910-447-4221	CAP, RADIATOR			1	*	*		3	14	2
	X2	H		2930-378-8865	CORE, SECTION RADIATOR			5	*	*		*	14	10
9	P	O		5330-543-3261	GASKET: NAMEPLATE SCREW, RADIATOR, COPPER: 3/8 IN. ID, 5/8 IN. OD, 3/32 IN. THK			2			SEE GROUP 2210		SEE GROUP 2210	

INDEX TO PARTS, FIGURE 15

Reference Number	Functional Group	Item Name
1	0501	GASKET
2	0501	HEAD
3	0501	WASHER
4	0501	NUT
5	0501	CAP
6	0501	ELBOW
7	0501	PIPE
8	0502	BOLT
9	0501	SIDE
10	0501	STRIP WASHER
11	0501	STRAP
12	0502	SHROUD
13	0505	NUT
14	0505	SCREW
15	0505	GUARD
16	0505	GUARD
17	0505	GUARD AY
18	0505	SCREW
19	0503	COCK
20	0501	BASE
21	0501	BOLT
22	0501	CORE



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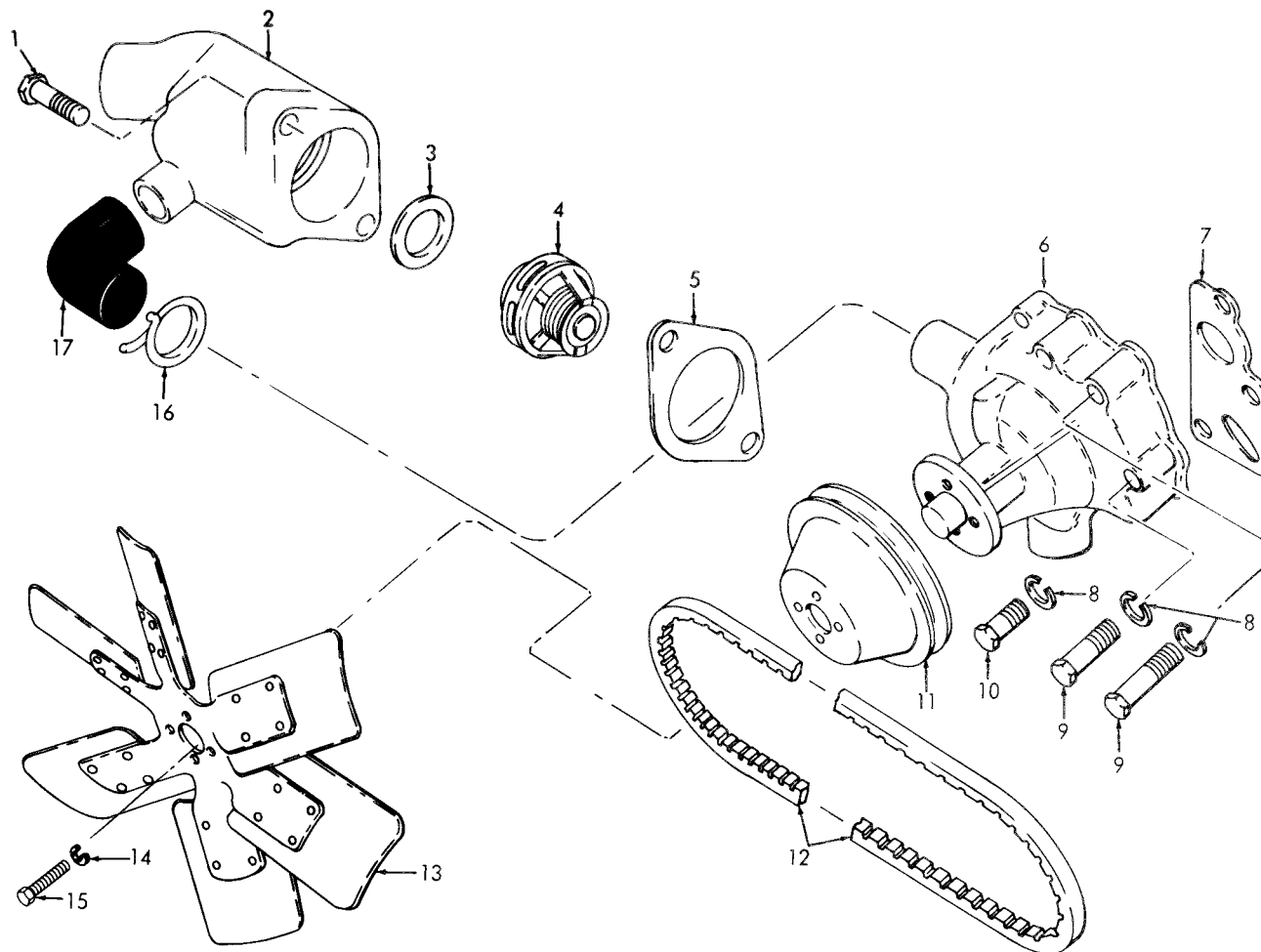
Figure 15. Radiator for Symbol (B).

SOURCE CODES

TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVER-ABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDA-BILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUS-TRATIONS		
									15 DAYS FIELD MAINTENANCE 3RD ECH 100 EQUIPMENTS	4TH ECH	DEPOT MAINTENANCE 5TH ECH	FIG NO	ITEM NO	
0501 - RADIATOR (CONT)														
9	P	H		2930-447-4219	GASKET: RADIATOR CORE	"B"	(28835)	CW442	10		11	1000	14	7
	X2	H		5310-012-0377	NUT, PLAIN, HEXAGON: RADIATOR CORE STUD, CADMIUM OR ZINC-CHROMATE; 3/8-16 THD SIZE	"B"	(28835)	CW363	20		*	*	14	9
	X2	O			PLATE, NAME: WELDER RADIATOR	"B"	(28835)	CW363	1	SEE GROUP 2210			SEE GROUP 2210	
	X2	O		5305-017-9837	SCREW, CAP, HEXAGON HEAD: RADIATOR NAMEPLATE MTG, 3/8-16 THD SIZE; 3/4 IN. LG	"B"	(28835)	CW380	2	SEE GROUP 2210			SEE GROUP 2210	
	X2	H		2930-429-0957	SHELL, RADIATOR	"B"	(28835)	CW380	1		*	*	14	1
	X2	H		5307-268-5749	STUD, PLAIN: RADIATOR CORE, BOTH ENDS, 3/8-16 THD SIZE; 1 1/4 IN. LG	"B"	(28835)	CW448	20		*	*	14	4
9	X2	H		5310-637-9541	WASHER, LOCK: RADIATOR CORE STUD, CADMIUM-CHROMATE; 0.382 IN. ID, 0.688 IN. OD, 0.094 IN. THK	"B"	(28835)	DW3788A	20		*	*	14	8
	X2	O	R		RADIATOR ASSEMBLY	"A"	(28835)	DW3788A	1	*	*	*	15	
	X2	H			BASE, RADIATOR	"A"	(28835)	DW3785	1	*	*	*	15	20
9	X2	H		5306-022-7748	BOLT, MACHINE: RADIATOR BASE, AND RADIATOR HEAD, CADMIUM OR ZINC PLATED; 5/16-18 THD SIZE, 3/4 IN. LG	"A"	(28835)	CW894	51		*	*	15	21
	P1	O		2910-447-4221	CAP, RADIATOR	"A"	(28835)	DW3885	1	*	*	3	15	5
	X2	H			CORE, RADIATOR	"A"	(28835)	DW3885	1		*	*	15	22
	X2	H		4730-277-5553	ELBOW, PIPE: RADIATOR HEAD, BRASS OR BRONZE; ONE END MALE, OTHER END FEMALE, 1/4-18 THD SIZE	"A"	(28835)	DW3590	1		*	*	15	6
	P1	H		2940-354-2331	GASKET: RADIATOR HEAD	"A"	(28835)	DW3590	2		*	100	15	1
	X2	H			HEAD, RADIATOR	"A"	(28835)	DW3783	1		*	*	15	2
9	X2	H		5310-012-0376	NUT, PLAIN, HEXAGON: RADIATOR BASE, SHROUD MTG, AND RADIATOR HEAD, CADMIUM OR ZINC-CHROMATE; 5/16-18 THD SIZE	"A"	(28835)	FW1878	69		*	*	15	4
	X2	H			PIPE, OVERFLOW	"A"	(28835)	FW1878	1		*	*	15	7
	X2	H			SIDE, RADIATOR	"A"	(28835)	DW3587	2		*	*	15	9
	X2	H			STRAP, OVERFLOW PIPE	"A"	(28835)	5CW1172	1		*	*	15	11
	X2	H		2930-441-4600	STRIP WASHER, RADIATOR: BASE AND TOP	"A"	(28835)	DW3641	4		*	*	15	10
9	X2	H		5310-012-0214	WASHER, LOCK: RADIATOR BASE SCREW, SHROUD MTG, AND RADIATOR HEAD, CADMIUM OR ZINC-CHROMATE; 0.319 IN. ID, 0.591 IN. OD, 0.078 IN. THK	"A"	(28835)	DW3641	69		*	*	15	3
9	X2	O		5305-010-0159	SCREW, CAP, HEXAGON HEAD: RADIATOR MTG, 1/2-13 THD SIZE; 1 1/4 IN. LG				2	*	*	*	14	14
9	X2	O		5305-017-1026	SCREW, TAPPING, THREAD FORMING: RADIATOR GUARD MTG, CADMIUM OR ZINC PLATE; 1/4-20 THD SIZE; 1/2 IN. LG	"B"	(28835)		4	*	*	*	14	11
9	X2	O		5310-010-3323	WASHER, LOCK: RADIATOR MTG, 0.509 IN. ID, 0.879 IN. OD, 0.125 IN. THK				2	*	*	*	14	15

INDEX TO PARTS, FIGURE 16

Reference Number	Functional Group	Item Name
1	0506	SCREW
2	0506	ELBOW
3	0506	WASHER
4	0506	THERMOSTAT
5	0506	GASKET
6	0504	PUMP
7	0504	GASKET
8	0504	WASHER
9	0504	SCREW
10	0504	SCREW
11	0505	PULLEY
12	0505	BELT
13	0505	FAN
14	0505	WASHER
15	0505	SCREW
16	0503	CLAMP
17	0503	HOSE



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Figure 16. Water Pump, Fan, and Thermostat.

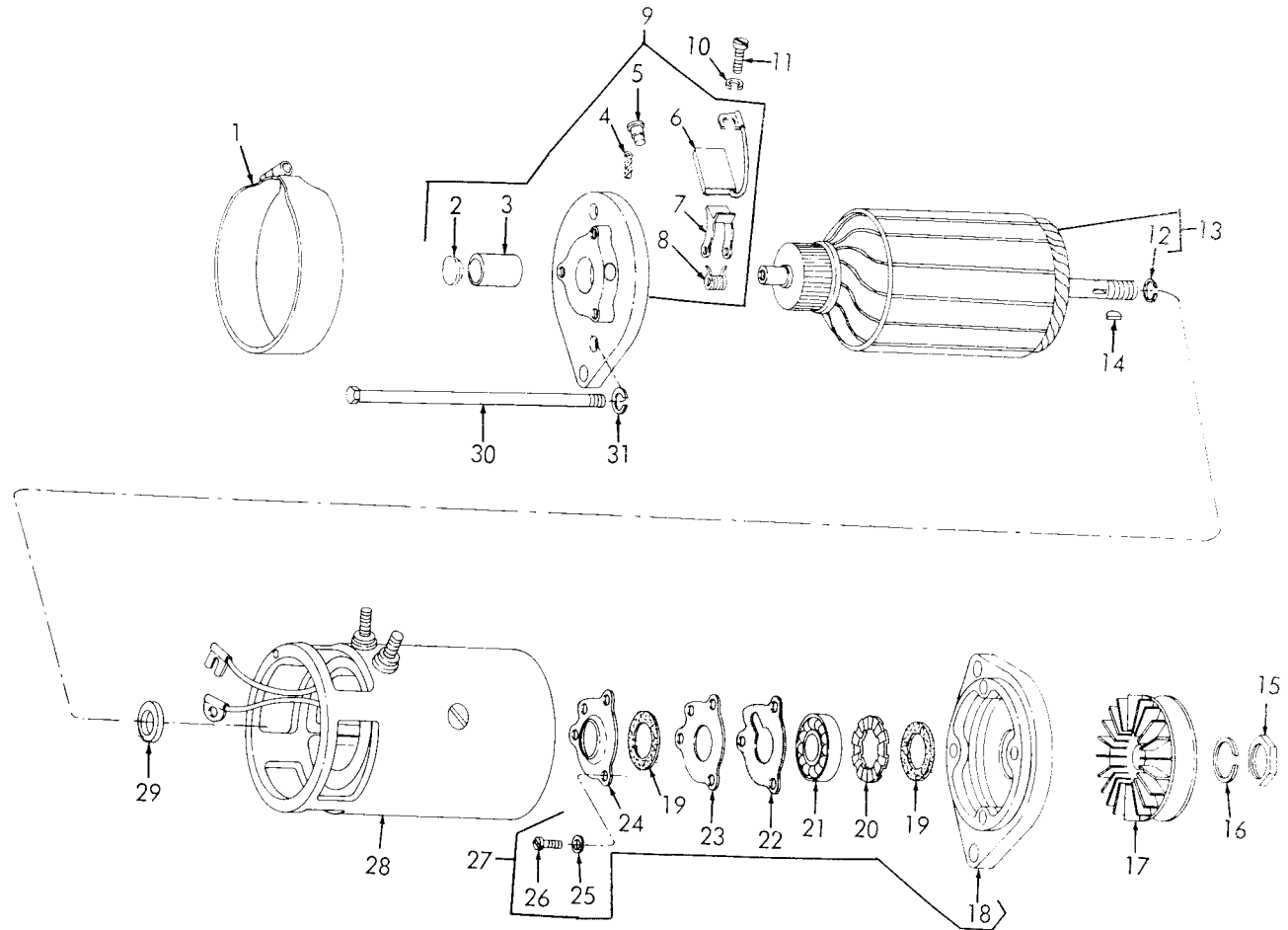
SOURCE CODES

TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVER-ABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDA-BILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUS-TRATIONS		
									15 DAYS FIELD MAINTENANCE 3RD ECH 100 EQUIPMENTS	4TH ECH	DEPOT MAINTENANCE 5TH ECH	FIG NO	ITEM NO	
					0502 - COWLING, DEFLECTORS, AIR DUCT, SHROUD, ETC.									
9	X2	O		5306-022-7776	BOLT, MACHINE: FAN SHROUD MTG, CADMIUM OR ZINC PLATED; 5/16-18 THD SIZE; 1 1/4 IN. LG			9	*	*	*	15	8	
	X2	O			SHROUD, FAN			1	*	*	*	15	12	
	X2	O			SHROUD, RADIATOR			1	*	*	*	14	19	
					0503 - LINES AND FITTINGS, HOSES, PIPES, CLAMP, ETC.									
	X2	O			CLAMP, HOSE: RADIATOR TO CYLINDER HEAD (GE)		(70403) A151/2	2	*	*	*	14	16	
	X2	O		4730-358-5965	(SUPPLIED UNDER STOCK NO. 4730-358-5965)									
	X2	O		4730-289-5935	CLAMP, HOSE: WATER INLET PIPE, TOP AND BOTTOM HOSE, CADMIUM PLATED; 1 TO 3 IN. ID (GE)		(70403) A101/2	4	*	*	*	14	16	
	X2	O		4730-289-5935	CLAMP, HOSE: WATER PUMP BY-PASS ELBOW, GALVANIZED; 1/2 TO 2 1/2 IN. ID (GE)		(74865) 870469	2	*	*	*	16	16	
	X2	O		4820-276-9041	COCK: DRAIN, RADIATOR		"A" (18163) 26	1	*	*	*	15	19	
	X2	O		4820-276-9041	COCK, DRAIN: RADIATOR, BRASS BODY; MALE END, 3/8-18 THD SIZE		"B" (28835) DW1816	1	*	*	*	14	13	
	F1	O		4720-289-0082	HOSE, PREFORMED: WATER PUMP BY-PASS		(74865) 918494	1	*	*	100	16	17	
	M	O		4720-289-0082	HOSE: RADIATOR OUTLET, BOTTOM		(28835) HJ13	1	*	*	*	14	20	
	P	O		4720-640-5439	HOSE, RUBBER (12 IN. REQUIRED)	FT			SEE GROUP 9501		SEE GROUP 9501			
	M	O		4720-640-5439	HOSE: RADIATOR OUTLET, BOTTOM		(28835) 5CW454	1				14	17	
	P	O		4720-640-5439	HOSE, RUBBER (12 IN. REQUIRED)	FT			SEE GROUP 9501		SEE GROUP 9501			
	F1	O		2930-447-4278	HOSE, RUBBER: RADIATOR TO CYLINDER HEAD		(28835) 5CW513	1	*	*	100	14	21	
	X2	O		2930-447-4278	PIPE: WATER INLET, RADIATOR TO WATER PUMP		(28835) DW4152B	1	*	*	*	14	18	
	X1	O		2930-447-4278	WASHER: WATER PUMP BY-PASS ELBOW		(74865) 622772	1						
					(COMPONENT OF GASKET SETS, STOCK NO. 2805-560-9323, STOCK NO. 2805-353-8007, STOCK NO. 2805-024-2076 AND STOCK NO. 2805-620-0098, SEE GROUP 0100)									
					0504 - WATER PUMP									
	X1	O		2930-215-5121	GASKET: WATER PUMP TO CYLINDER BLOCK		(74865) 637440	1				16	7	
					(COMPONENT OF GASKET SETS, STOCK NO. 2805-353-8007 AND 2805-620-0098, SEE GROUP 0100)									
	F1	O		2930-172-9509	PUMP, WATER		(74865) 1064925	1	1	*	50	16	6	
	X2	O		5305-017-5239	SCREW, MACHINE: WATER PUMP MTG, CADMIUM OR ZINC PLATED; 3/8-16 THD SIZE; 1 1/8 IN. LG			2	*	*	*	16	9	
	X2	O		5305-286-1502	SCREW, MACHINE: WATER PUMP MTG, CADMIUM OR ZINC PLATE; 3/8-16 THD SIZE; 2 IN. LG			1	*	*	*	16	10	

9	X2	O	5310-637-9541	WASHER, LOCK; WATER PUMP MTG SCREW, CADMIUM-CHROMATE; 0.382 IN. ID, 0.688 IN. OD, 0.094 IN. THK  0505 - FAN ASSEMBLY	(74865) 120382	3	*	*	*	16	8	
	P	O	3030-529-1220	BELT, V: FAN AND GENERATOR	(74865) 1116206	1	2	*	*	100	16	12
	X2	O	2930-173-2056	FAN GUARD ASSEMBLY, FAN	(74865) 595295	1	*	*	*		16	13
	X2	O		GUARD, FAN: LEFT	"A" (28835) DW5329A	1	*	*	*		15	17
	X1			GUARD, FAN: RIGHT	"A" (28835) DW5330A	1					15	16
	X1			NUT, PLAIN, HEXAGON: FAN GUARD MTG SCREW, NO. 10-24 THD SIZE	"A"	1					15	15
9	X2	O	5310-011-0633		"A"	2	*	*	*		15	13
	X2	O	3020-366-6466	PULLEY, GROOVE: FAN	(74865) 670500	1	*	*	*		16	11
	X2	O	5305-011-0500	SCREW, MACHINE: FAN GUARD MTG, NO. 10-24 THD SIZE; 1/2 IN. LG	"A"	2	*	*	*		15	14
9	X2	O	5305-275-9106	SCREW, MACHINE: FAN MTG TO WATER PUMP HUB, 5/16-18 THD SIZE; 5/8 IN. LG		4	*	*	*		16	15
9	X2	O	5305-012-5985	SCREW, TAPPING, THREAD FORMING: FAN GUARD MTG, CADMIUM OR ZINC PLATED; NO. 8-32 THD SIZE; 1/4 IN. LG	"A"	4	*	*	*		15	18
9	X2	O	5310-012-0214	WASHER, LOCK: FAN MTG SCREW TO WATER PUMP HUB, CADMIUM OR ZINC-CHROMATE; 0.319 IN. ID, 0.591 IN. OD, 0.078 IN. THK	(74865) 120214	4	*	*	*		16	14
				0506 - WATER MANIFOLDS, HEADERS, THERMOSTATS AND HOUSING, GASKETS								
	X2	O	2805-353-7904	ELBOW, WATER OUTLET: CYLINDER WATER OUTLET	(74865) 1116319	1	*	*	*		16	2
	X1		2930-244-8159	GASKET: CYLINDER WATER OUTLET ELBOW (COMPONENT OF GASKET SETS, STOCK NO. 2805-560-9323, 2805-353-8007, 2805-620-0098 AND 2805-024-2076, SEE GROUP 0100)	(74865) 50082	1					16	5
9	X2	O	5305-286-1502	SCREW, MACHINE: WATER OUTLET ELBOW MTG, CADMIUM OR ZINC PLATED; 3/8-16 THD SIZE; 2 IN. LG		2	*	*	*		16	1
	P1	O	6680-514-3995	THERMOSTAT, FLOW CONTROL: 180 DEGREE F	(74865) 1124989	1	*	*	*	100	16	4
	X1		5330-298-0764	WASHER, NONMETALLIC: THERMOSTAT, RUBBER: 1 23/64 IN. ID, 1 55/64 IN. OD, 3/32 IN. THK (COMPONENT OF GASKET SETS, STOCK NO. 2805-560-9323 AND 2805-024-2076, SEE GROUP 0100)	(74865) 863220	1					16	3
				GROUP 06 - ELECTRICAL SYSTEM 0601 - GENERATOR								
9	X2	O	5306-282-9645	BOLT, MACHINE: GENERATOR MTG, CADMIUM OR ZINC PLATED; 5/16-24 THD SIZE; 1 1/4 IN. LG	(74865) 123774	2	*	*	*		20	44
9	X2	O	5306-680-6004	BOLT, MACHINE: GENERATOR STRAP, CADMIUM OR ZINC-CHROMATE; 5/16-18 THD SIZE; 3/4 IN. LG	"A" (74865) 122007	1	*	*	*		20	2
	X2	O	2920-532-8941	BRACKET, GENERATOR	(74865) 667751	1	*	*	*		20	45
	Z	O		GENERATOR ASSEMBLY (REPLACED BY GENERATOR ASSEMBLY, STOCK NO. 2920-374-3702)	"B" (74865) 1257392	1					20	7

INDEX TO PARTS, FIGURE 17

Reference Number	Functional Group	Item Name
1	0601	BAND
2	0601	COVER
3	0601	BEARING
4	0601	WICK
5	0601	CUP
6	0601	BRUSH SET
7	0601	ARM
8	0601	SPRING
9	0601	END BELL
10	0601	WASHER
11	0601	SCREW
12	0601	RING
13	0601	ARMATURE
14	0601	KEY </td
15	0601	NUT
16	0601	WASHER
17	0601	PULLEY
18	0601	HEAD
19	0601	WASHER
20	0601	RETAINER
21	0601	BEARING
22	0601	GASKET
23	0601	RETAINER
24	0601	RETAINER
25	0601	WASHER
26	0601	SCREW
27	0601	END BELL
28	0601	STATOR
29	0601	RETAINER
30	0601	BOLT
31	0601	WASHER



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Figure 17. Engine Generator.



SOURCE CODES

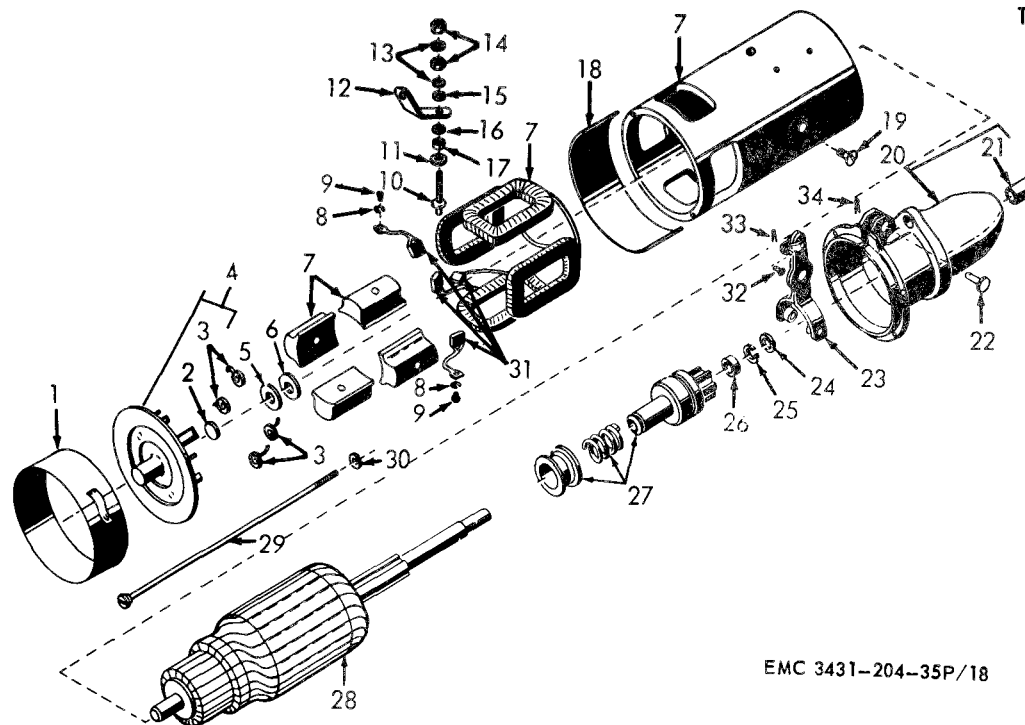
TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVER-ABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDA-BILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUS-TRATIONS		
									15 DAYS MAINTENANCE 3RD ECH 100 EQUIPMENTS	FIELD 4TH ECH	DEPOT MAINTENANCE 5TH ECH	FIG NO	ITEM NO	
0601 - GENERATOR (CONT)														
	X1				BAND, COVER, GENERATOR			1					17	1
	X1			2920-353-7175	END BELL: DRIVE END	(19728)		1					17	27
9	X1			3110-144-8505	BEARING, BALL, ANNULAR: HEAD DRIVE END	(19728)		1					17	21
	X1				GASKET: BEARING RETAINER	(19728)		1					17	22
	X1				HEAD, DRIVE END	(19728)		1					17	18
	X1			5330-621-7398	RETAINER, PACKING, DRIVE END	(19728)		1					17	24
	X1			2920-353-7062	RETAINER, PACKING, FELT WASHER, INNER	(19728)		1					17	23
	X1			5310-353-7063	RETAINER, PACKING: FELT WASHER, OUTER	(19728)		1					17	20
9	X1			5305-012-7650	SCREW, MACHINE: BEARING RETAINER, CADMIUM OR ZINC PLATED; NO. 10-32 THD SIZE, 1/2 IN. LG			3					17	26
9	X1			5310-010-6497	WASHER, LOCK: BEARING RETAINER, 0.194 IN. ID, 0.337 IN. OD, 0.047 IN. THK	(19728)		3					17	25
9	X1			5315-616-5526	KEY, WOODRUFF: ARMATURE SHAFT	(19728)		1					17	14
	X1				WASHER, LOCK: ARMATURE SHAFT	(19728)		1					17	16
	P1	O	R	2920-374-3702	GENERATOR ENGINE ACCESSORY (FUNGUS TREATED) (INCLUDES COMPONENTS OF PARTS KIT, STOCK NO. 2920-723-0427)	(74865)		1	*	*		2	17	
	X1			2920-353-7181	ARMATURE, GENERATOR	(19728)		1					17	13
	X1			5306-353-7194	BOLT: GENERATOR FRAME, THROUGH	(19728)		2					17	30
	X1			2920-353-7180	END BELL, ELECTRICAL, ROTATING EQUIPMENT: COMMUTATOR END U/BRUSHES	(19728)		1					17	9
	X1			5977-353-7088	ARM, ELECTRICAL CONTACT BRUSH	(19728)		2					17	7
	X1			2920-353-7002	COVER, BEARING	(19728)		1					17	2
	X1			4730-174-4517	CUP, OIL LUBRICATING	(19728)		2					17	5
10	X1			9390-358-8095	WICK: OILER, ARMATURE BEARING	(19728)		1					17	4
	X1			5310-275-9461	NUT, PLAIN, HEXAGON: ARM TERMINAL	(19728)		1					17	4
	X1			5310-358-7423	NUT, PLAIN, HEXAGON: ARMATURE SHAFT, DRIVE END	(19728)		1					17	15
9	X1			5310-531-0183	NUT, PLAIN, HEXAGON: FIELD TERMINAL, CADMIUM PLATED; NO. 10-32 THD SIZE	(19728)		1					17	29
	X1			5305-010-0749	RETAINER, FELT WASHER	(19728)		1					17	11
9	X1			5305-043-6747	SCREW, MACHINE: BRUSH LEAD	(19728)		2					17	11
	X1			2920-371-4834	SCREW, MACHINE: GROUND	(19728)		1					17	28
9	X1			5310-010-6496	STATOR, GENERATOR	(19728)		1					17	10
9	X1			5310-582-5965	WASHER, LOCK: BRUSH LEAD SCREW	(19728)		2					17	31
9	X1			5310-010-6497	WASHER, LOCK: FRAME THROUGH BOLT AND ARM TERMINAL	(19728)		3					17	31
	X1				WASHER, LOCK: GROUND SCREW AND FIELD TERMINAL	(19728)		2					17	31
	X2	O			NUT: GENERATOR ARMATURE, PULLEY	(19728)		1	*	*		*		
9	X2	O		5310-012-0368	NUT, PLAIN, HEXAGON: GENERATOR MTG SCREW, CADMIUM OR ZINC-CHROMATE; 5/16-24 THD SIZE	(74865)		2	*	*		*	20	8
	P	O		2920-723-0427	PARTS KIT, ENGINE GENERATOR	(81336)		1	3	*		50		
	X1				BEARING, A.B.S. BRONZE	(19728)		1					17	3

SOURCE CODES

TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVER-ABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDA-BILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUS-TRATIONS		
									15 DAYS MAINTENANCE 3RD ECH 100 EQUIPMENTS	FIELD 4TH ECH	DEPOT MAINTENANCE 5TH ECH	FIG NO	ITEM NO	
0601 - GENERATOR (CONT)														
	X1			2920-293-5041	BEARING, SLEEVE (1)			0						
11	X1				BRUSH SET: GENERATOR			1					17	6
	X1			5970-353-7172	INSULATOR, BUSHING (2)			0						
	X1			5340-282-5560	RING, RETAINING ARMATURE			1					17	12
	X1			2920-363-3939	SPRING, HELICAL, TORSION (1)			0						
	X1			2920-664-4267	SPRING, HELICAL, TORSION			2					17	8
	X1				WASHER (1)			0						
	X1				WASHER, FELT: DRIVE HEAD			2					17	19
	X1			5330-291-4812	WASHER, NONMETALLIC (1)			0						
	X1			5330-424-3243	WASHER, NONMETALLIC (1)			0						
	X2	0		2920-331-7648	PULLEY, GENERATOR			1	*	*	*		17	17
	X2	0		5305-353-7942	PULLEY, GENERATOR			1	*	*	*		17	17
9	X2	0		5305-266-6292	SCREW, ASSEMBLED WASHER: GENERATOR ADJUSTING STRAP, 5/16-18 THD SIZE; 15/16 IN. LG			1	*	*	*			
	X2	0			SCREW, CAP, HEXAGON HEAD: GENERATOR BRACKET MTG, CADMIUM PLATED; 7/16-14 THD SIZE; 1 IN. LG			2	*	*	*		20	34
9	X2	0		5310-017-8576	STRAP: GENERATOR ADJUSTING			1	*	*	*			
	X2	0			WASHER, LOCK: GENERATOR BRACKET MTG SCREW, CADMIUM OR ZINC PLATED; 0.456 IN. ID, 1.142 IN. OD, 0.046 IN. THK			2	*	*	*		20	32
9	X2	0		5310-194-0743	WASHER, LOCK: GENERATOR MTG SCREW, CADMIUM OR ZINC-CHROMATE; 0.466 IN. ID, 0.784 IN. OD, 0.109 IN. THK			2	*	*	*		20	33
9	X2	0		5310-530-9309	WASHER, LOCK: GENERATOR PULLEY LOCKNUT, CADMIUM OR ZINC-CHROMATE; 0.636 IN. ID, 1.082 IN. OD, 0.126 IN. THK			1	*	*	*			
9	X2	0		5310-013-8485	WASHER, LOCK: GENERATOR STRAP, CADMIUM OR ZINC-CHROMATE; 0.326 IN. ID, 0.599 IN. OD, 0.031 IN. THK			1	*	*	*		20	31
	X2	0		5310-275-6616	WASHER, SPRING TENSION: GENERATOR STRAP, 0.332 IN. ID, 13/16 IN. OD, 0.081 IN. THK			2	*	*	*		20	1
0602 - GENERATOR REGULATOR														
	X2	0		2920-732-7707	BRACKET: VOLTAGE REGULATOR MTG			1	*	*	*		20	35
	F1	0		2920-640-7719	REGULATOR, VOLTAGE			1	*	*	*	20	20	38
	X1				GASKET: REGULATOR COVER			1						
9	X2	0		5305-017-9791	SCREW, CAP, HEXAGON HEAD: REGULATOR BRACKET MTG, 1/4-20 THD SIZE; 1/2 IN. LG			2	*	*	*		20	37
9	X2	0		5305-042-6950	SCREW, CAP, HEXAGON HEAD: REGULATOR MTG, CADMIUM OR ZINC PLATED; 3/8-24 THD SIZE; 1/2 IN. LG			2	*	*	*			

INDEX TO PARTS, FIGURE 18

Reference Number	Functional Group	Item Name
1	0603	COVER
2	0603	WICK
3	0603	SPRING
4	0603	END BELL
5	0603	WASHER
6	0603	WASHER
7	0603	FRAME - FIELD AY
8	0603	WASHER
9	0603	SCREW
10	0603	TERMINAL
11	0603	WASHER
12	0603	CONNECTOR
13	0603	WASHER
14	0603	NUT
15	0603	WASHER
16	0603	WASHER
17	0603	BUSHING
18	0603	INSULATOR
19	0603	SCREW
20	0603	HOUSING
21	0603	BEARING
22	0603	PIN
23	0603	YOKE
24	0603	WASHER
25	0603	RING
26	0603	RETAINER
27	0603	CLUTCH
28	0603	ARMATURE
29	0603	SCREW
30	0603	WASHER
31	0603	BRUSH SET
32	0603	PIN
33	0603	PIN
34	0603	PIN



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Figure 18. Starter Motor.

SOURCE CODES				FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDABILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUSTRATIONS	
TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVERABILITY						15-DAYS FIELD MAINTENANCE		DEPOT MAINTENANCE	FIG. NO.	ITEM NO.
									3RD ECH	4TH ECH	5TH ECH		
									100 EQUIPMENTS				
					0602 - GENERATOR REGULATOR (cont)								
9	X2	0		5310-528-5977	WASHER, FLAT: regulator mtg screw, cadmium or zinc-chromate; 0.406 in. id, 0.812 in. od, 0.065 in. thk (74865) 120394			2	*	*	*		
9	X2	0		5310-017-3124	WASHER, LOCK: regulator bracket mtg, 0.262 in. id, 0.742 in. od, 0.036 in. thk			2	*	*	*	20	36
9	X2	0		5310-637-9541	WASHER, LOCK: regulator mtg screw, cadmium-chromate; 0.382 in. id, 0.688 in. od, 0.094 in. thk (74865) 120382			2	*	*	*		

SOURCE CODES

TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVER-ABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDA-BILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUS-TRATIONS		
									15 DAYS MAINTENANCE 3RD ECH 100 EQUIPMENTS	FIELD 4TH ECH	DEPOT MAINTENANCE 5TH ECH	FIG NO	ITEM NO	
0603 - STARTER														
11	P	O		2920-715-0426	PARTS KIT, ELECTRICAL ENGINE STARTER: STARTER, MODEL MCL6115T			1	2	*	20			
	X1			5977-636-4296	BRUSH SET, ELECTRICAL CONTACT			1				18	31	
	X1			2920-353-7393	END BELL, ELECTRICAL, ROTATING EQUIPMENT: COMMUTATOR END			1						
11	X1			5977-695-7139	SPRING, HELICAL, TORSION			1				18	4	
	X1			2920-354-5974	WICK			4				18	3	
9	X1			5310-220-6456	WASHER, FLAT: ARMATURE DRIVE END			1				18	2	
	X1			5330-285-6578	WASHER, NONMETALLIC: COMMUTATOR END			1				18	5	
	X1			5330-291-5921	WASHER, NONMETALLIC: COMMUTATOR END (AS REQUIRED)			1				18	6	
	F			2920-087-4862	REPAIR KIT: STARTER			1	2	*	20			
11	X1	O		5977-280-3950	BRUSH SET, ELECTRICAL CONTACT: STARTER			1				21	6	
11	X1			5975-143-5299	BUSHING, ELECTRICAL CONDUCTOR: INSULATION, TERMINAL STUD			1				18	17	
	X1			2920-695-7139	SPRING, BRUSH			4				18	3	
9	X1			5310-220-6456	WASHER, FLAT: DRIVE END			1				18	24	
	X1			5330-235-5124	WASHER, NONMETALLIC: COMMUTATOR END (AS REQUIRED)			1				18	6	
	X1			5330-291-5921	WASHER, NONMETALLIC: COMMUTATOR END (AS REQUIRED)			1				18	6	
	X1			5330-424-3278	WASHER, NONMETALLIC: INSULATION, TERMINAL STUD, OUTER			1				18	16	
	X1			5330-291-4803	WASHER, NONMETALLIC: TERMINAL STUD, INNER			1				18	11	
	X1			2920-364-5974	WICK			1				18	2	
9	X1			5305-017-5257	SCREW, MACHINE: STARTER MTG			2				21	12	
	F1	O	R	2920-248-3648	STARTER, ENGINE, ELECTRICAL (INCLUDES COMPONENTS OF REPAIR KIT, STOCK NO. (81336) KIT19728-52)			1	*	*	2	21	10	
	X1			2920-328-7863	ARMATURE, MOTOR			1						
	X1			2920-428-4662	BAND, COVER, STARTING MOTOR			1				21	35	
	X1			2920-353-7395	BOLT, YOKE			1						
	X1			2920-353-7395	CLUTCH, STARTING MOTOR			1						
	X1			2920-353-7391	CONNECTOR, SOLENOID RELAY			1						
	X1			5970-358-7318	FRAME AND FIELD ASSEMBLY			1						
11	X1			2920-358-7050	INSULATOR, PLATE: FIELD CONNECTION			1				18	18	
	X1			5310-010-2634	LEAD, ELECTRICAL			1						
9	X1			5315-248-0051	NUT, PLAIN, HEXAGON: TERMINAL STUD			1						
	X1			5305-272-4103	PIN, STRAIGHT, HEADLESS: FRAME TO HEAD			2						
	X1			5305-012-1540	SCREW, MACHINE			4				18	19	
9	X1			5940-353-7396	SCREW, MACHINE: GROUND			2						
11	X1			5310-010-6497	TERMINAL, STUD			1				18	10	
9	X1			5310-012-0214	WASHER, LOCK: GROUND SCREW			2						
	X1				WASHER, LOCK: TERMINAL STUD			2						



SOURCE CODES

TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVER-ABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDA-BILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUS-TRATIONS		
									15 DAYS MAINTENANCE 3RD ECH 100 EQUIPMENTS	FIELD 4TH ECH	DEPOT MAINTENANCE 5TH ECH	FIG NO	ITEM NO	
0603 - STARTER (CONT)														
9	X1			5310-012-0214	WASHER, LOCK: TERMINAL STUD			2					18	13
	X1			5330-235-5124	WASHER, NONMETALLIC: COMMUTATOR END (AS REQUIRED)									
	X1			2920-353-7388	YOKE, CLUTCH			1					18	23
9	X1			5310-194-0743	WASHER, LOCK: STARTER MTG SCREW			2					21	11
0604 - IGNITION COMPONENTS														
	X2	O			BRACKET: IGNITION CABLES			1	*	*	*			
	P1	O		2920-371-5450	CABLE SET, SPECIAL PURPOSE ELECTRICAL: IGNITION, SHIELDED			1	*	*	10		21	3
	X1				CABLE: IGNITION, NO. 1, SHIELDED			1						
	X1				CABLE: IGNITION, NO. 2, SHIELDED			1						
	X1				CABLE: IGNITION, NO. 4, SHIELDED			1						
	X1				CABLE: IGNITION, NO. 5, SHIELDED			1						
	X1				CABLE: IGNITION, NO. 6, SHIELDED			1						
	X1			2920-732-7708	CABLE ASSEMBLY: IGNITION, NO. 3, SHIELDED			1						
	X1			2920-371-5451	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL: COIL TO DISTRIBUTOR			1						
	X1			2920-371-5452	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL: PRIMARY STRAP, BONDING: DISTRIBUTOR SHIELD TO ENGINE BLOCK			1						
	X2	O			COIL, IGNITION: W/CLAMP			1		SEE GROUP 0615		SEE GROUP 0615		
	A	O		2920-033-5033	BRACKET, IGNITION COIL			1						
	P1	O		2920-771-9092	COIL, IGNITION			1	*	*		3		
	P1	O		2920-224-5332	COIL, IGNITION: W/CLAMP			1	*	*		3		
	A	O		2920-257-1355	BRACKET, IGNITION COIL			1	*	*		3	20	11
	P1	O		2920-771-9092	COIL, IGNITION			1	*	*		3	20	9
	P1	O		2920-224-5332	DISTRIBUTOR, IGNITION			1	*	*		3	20	10
	P1	O		2920-033-5074	(INCLUDES COMPONENTS OF PARTS KIT, STOCK NO. 2920-723-3128)			1	*	*		2	19	
	X1			2920-353-7252	ARM, ADVANCE			1						
	X1				BASE ASSEMBLY, DISTRIBUTOR			1					21	25
	X1			5306-360-8109	BOLT, MACHINE: TERMINAL			1						
	X1			4730-223-6428	CUP, OIL LUBRICATING			1					19	18
9	X1			5310-010-3088	NUT, PLAIN, HEXAGON: TERMINAL STUD			1						
	X1			2920-360-8104	STUD, TERMINAL: CONNECTOR, W/NUTS			1						
9	X1			5310-012-0391	WASHER, FLAT: TERMINAL STUD			1						
9	X1			5310-010-6497	WASHER, LOCK: TERMINAL STUD			1						
	X1				CAM: 6 CYLINDER RH			1					19	12
	X1			2920-362-0583	CAP, IGNITION DISTRIBUTION			1					21	32
11	X1			5977-030-2006	BRUSH, ELECTRICAL, CONTACT			1						
	X1			2920-360-6823	PLUG, VENT HOLE: RUBBER			1						
	X1			2920-582-0386	SPRING, HELICAL, COMPRESSION: CONTACT			1						

INDEX TO PARTS, FIGURE 19

Reference Number	Functional Group	Item Name
1	0604	CAP
2	0604	ROTOR
3	0604	SCREW
4	0604	WASHER
5	0604	SCREW
6	0604	WASHER
7	0604	CAPACITOR
8	0604	PLATE
9	0604	PLATE
10	0604	WICK
11	0604	RING
12	0604	CAM
13	0604	SPACER
14	0604	WEIGHT
15	0604	SHAFT
16	0604	WASHER
17	0604	SPRING AND HINGE
18	0604	CUP
19	0604	BRACKET
20	0604	RIVET
21	0604	BEARING
22	0604	BASE AY
23	0604	WASHER
24	0604	COLLAR
25	0604	ARM
26	0604	SCREW
27	0604	WASHER
28	0604	WASHER
29	0604	WASHER
30	0604	SPRING SET
31	0604	GROMMET
32	0604	WASHER
33	0604	SCREW
34	0604	CONTACT SET
35	0604	SCREW
36	0604	WASHER
37	0604	CLIP
38	0604	WASHER
39	0604	SCREW

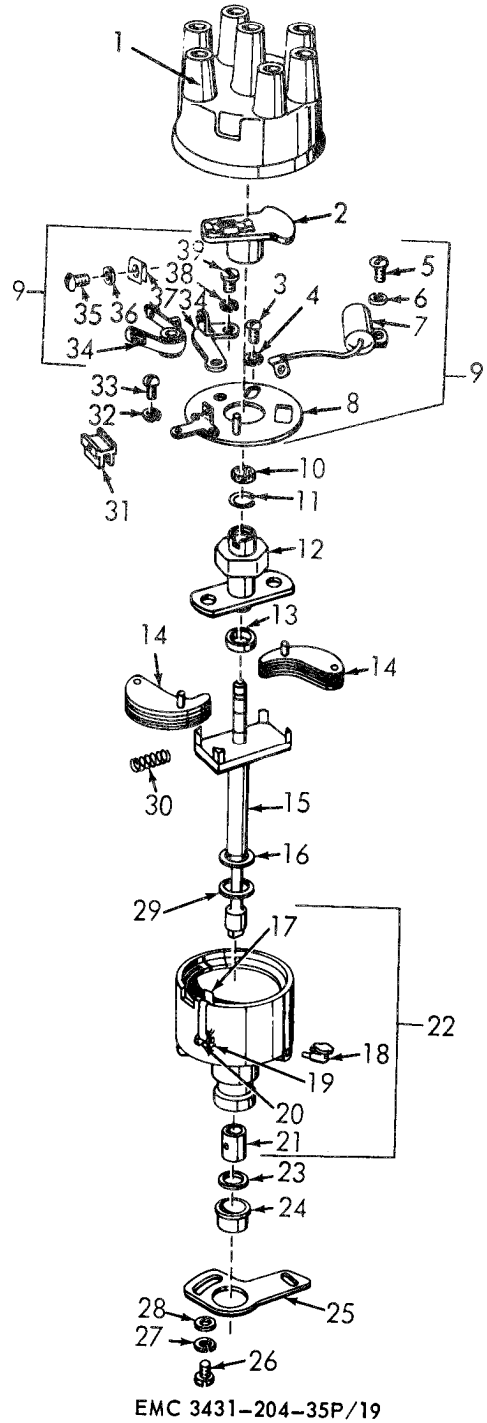


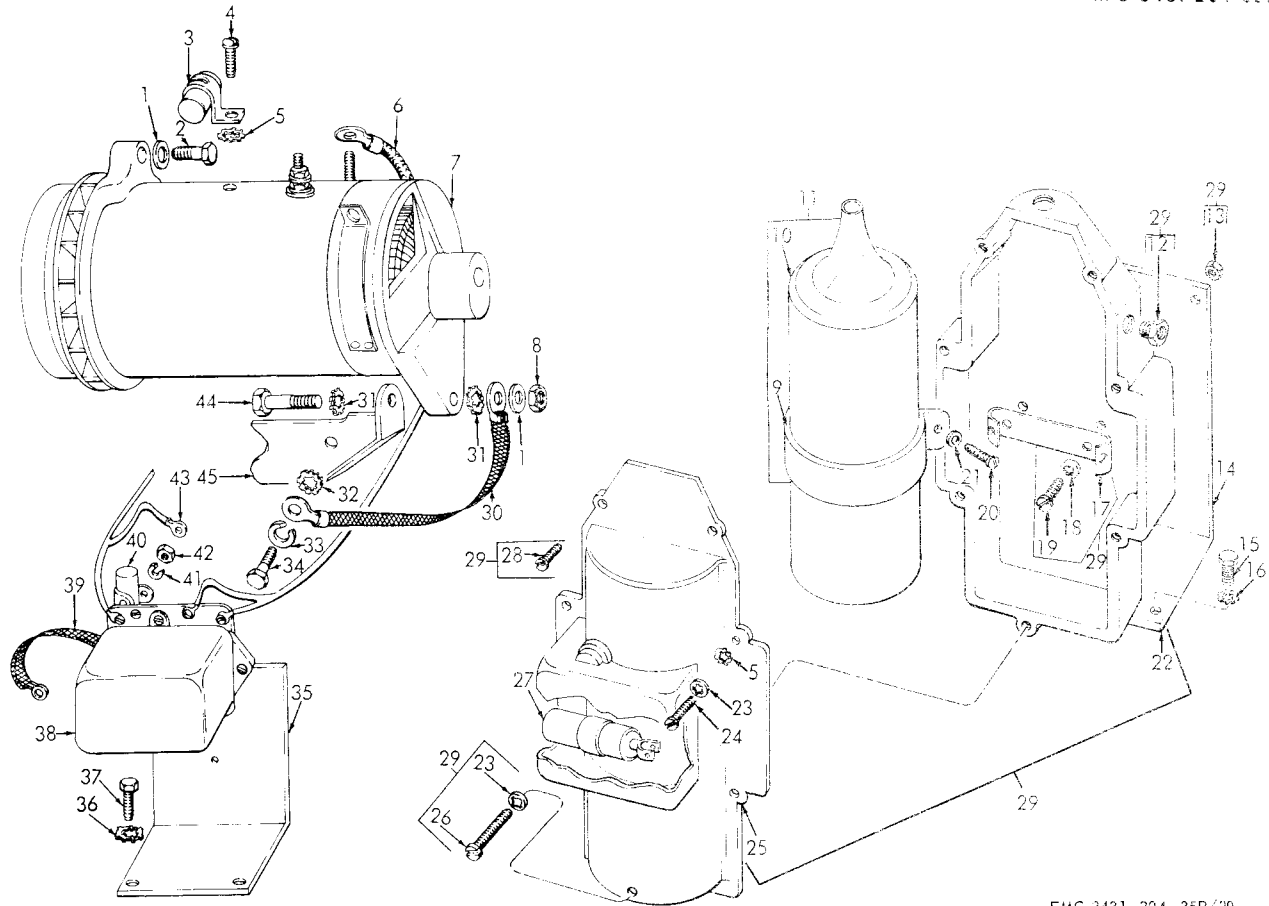
Figure 19. Distributor.

SOURCE CODES

TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVER-ABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDA-BILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUS-TRATIONS	
									15 DAYS FIELD MAINTENANCE 3RD ECH 100 EQUIPMENTS	4TH ECH	5TH ECH	FIG NO	ITEM NO
2210 - DATA PLATES AND INSTRUCTION HOLDERS (CONT)													
	X2	0		3432-025-3107	PLATE, IDENTIFICATION (115V)			1	*	*	*	32	19
	X2	F		9905-205-1709	PLATE, IDENTIFICATION: CORPS OF ENGINEERS, TYPE A (GE)			1	*	*	*		
	X2	0		3431-715-7122	PLATE, IDENTIFICATION: ELECTRODE	(28835)		1	*	*	*	30	33
	X2	0			PLATE, IDENTIFICATION: ENGINE PANEL	(28835)		1	*	*	*	32	37
	X2	0		3431-715-7115	PLATE, IDENTIFICATION: GROUND	(22835)		1	*	*	*	30	30
	X2	0		6115-025-3109	PLATE, IDENTIFICATION: WELDER RADIATOR	"A" (28835)		1	*	*	*	22	21
	X2	0		3431-817-1432	PLATE, INSTRUCTION: GENERATOR CONTROL PANEL (TURN OFF WHEN NOT IN USE)	(28835)		1	*	*	*	30	23
11	X2	0		5930-025-3096	PLATE, INSTRUCTION: GENERATOR CONTROL PANEL (SET ON ARROW)	(28835)		1	*	*	*	30	28
9	X2	0		3432-025-3098	PLATE, INSTRUCTION: RHEOSTAT HANDLE (INCREASE CURRENT)	(28835)		1	*	*	*	32	25
	X2	0			PLATE, NAME: MOTOR GENERATOR	(28835)		1	*	*	*	30	32
	X2	0			PLATE, NAME: POLARITY SWITCH	(28835)		1	*	*	*	30	35
9	X2	F		5320-012-1646	PLATE, NAME: WELDER RADIATOR	"B" (28835)		1	*	*	*	14	3
					RIVET, TUBULAR: CE PLATE, CADMIUM OR ZINC PLATED; 7/8 IN. DIA, 1/4 IN. LG			4	*	*	*		
9	X2	0		5305-017-9837	SCREW, CAP, HEXAGON HEAD: RADIATOR NAMEPLATE MTG, 3/8-16 THD SIZE; 3/4 IN. LG	"B"		2	*	*	*	14	6
9	X2	0		5305-013-2622	SCREW, MACHINE: GENERATOR MOTOR NAMEPLATE, GENERATOR CONTROL PANEL, INSTRUCTION PLATES AND IDENTIFICATION PLATES, CADMIUM OR ZINC PLATED; NO. 4-40 THD SIZE; 3/16 IN. LG			12	*	*	*	30	24
					SCREW, MACHINE: RHEOSTAT HANDLE INSTRUCTION PLATE (SUPPLIED UNDER STOCK NO. 5305-013-2622)			3	*	*	*	32	26
9	X2	0		5305-017-1344	SCREW, TAPPING, THREAD CUTTING: NAMEPLATE ATTACHING, CADMIUM OR ZINC PLATED; NO. 6-32 THD SIZE; 3/8 IN. LG			4	*	*	*	22	22
9	X2	0		5305-042-6632	SCREW, TAPPING, THREAD FORMING: IDENTIFICATION PLATE; CADMIUM OR ZINC PLATED; NO. 4-24 THD SIZE; 3/16 IN. LG			6	*	*	*	32	18
9	X2	0		5305-016-9554	SCREW, TAPPING, THREAD FORMING: POLARITY SWITCH NAMEPLATE MTG, TYPE F, CADMIUM OR ZINC PLATED; 1/4-28 THD SIZE; 3/8 IN. LG			2	*	*	*		
	X2	0			TRANSFER (POSITIVE AND NEGATIVE)	(28835)		2	*	*	*	32	17
GROUP 44 - WELDING EQUIPMENT													
4401 - ROTOR ASSEMBLY													
9	X2	F	T	6115-447-4231	ARMATURE ASSEMBLY: GENERATOR AND EXCITER	(28835)		1	*	*	5	24	
	X2	F		3110-144-8664	BEARING, BALL ANNULAR: ROTOR SHAFT	(28835)		1	SEE GROUP	4405	SEE GROUP	4405	
	X2	D			CLIP: BANDING WIRE	(28835)		8			*	24	38
	X2	D			COIL: ARMATURE, GENERATOR	(28835)		99			*	24	33
	X2	D		6115-447-4248	COMMUTATOR, GENERATOR	(28835)		1			5	24	13



	X1		2920-569-1774	PLATE, IGNITION CONTACT BREAKER	"A" (19728) IAO-1004M	1				19	8
9	X1		5305-013-1949	SCREW, MACHINE: BREAKER CONTACT	"A" (19728) 8X884	1				19	39
9	X1		5305-262-9831	SCREW, MACHINE: CONDENSER MTG	"A" (19728) 8X1546	1				19	5
9	X1		5305-285-3957	SCREW, MACHINE: SPRING CLAMP	"A"	1				19	35
9	X1		5310-186-7410	WASHER, FLAT: CLAMP SCREW	"A" (19728) 8X353	1				19	36
9	X1		5310-198-9348	WASHER, FLAT: CONTACT LOCK SCREW	"A" (19728) 8X350	1				19	38
9	X1		5310-013-1044	WASHER, LOCK: CONDENSER MTG, SCREW	"A" (19728) 12X194	1				19	6
	X1			RIVET, COLLAR	"A" (19728) SW219	1					
9	X1		5305-275-9100	SCREW, MACHINE: ADVANCE ARM MTG	"A"	1				19	26
9	X1		5305-353-7511	SCREW, MACHINE: BREAKER PLATE MTG, BRASS	"A" (19728) X2896	2				19	3
	X1			SHAFT, DRIVE	"A" (19728) IGS1113RK	1				19	15
	X1		2920-362-1416	SPRING SET, HELICAL, EXTENSION: GOVERNOR WEIGHT	"A" (19728) IGB292SS	1				19	30
	X1		5310-582-5965	WASHER, FLAT: ADVANCE ARM	"A" (19728) SW634B	1				19	28
9	X1		5310-010-6497	WASHER, LOCK: BREAKER PLATE MTG SCREW, 0.194 IN. ID, 0.337 IN. OD, 0.047 IN. THK	"A" (19728) 12X199	2				19	27
	X1		2920-360-6830	WEIGHT, DISTRIBUTOR	(19728) X1270	2				19	4
9	X2	O	5310-012-0368	NUT, PLAIN, HEXAGON: COIL MTG BRACKET, CADMIUM OR ZINC-CHROMATE: 5/16-24 THD SIZE	"A" (19728) IGC2168R	2				19	14
9	X2	O	5310-012-0368	NUT, PLAIN, HEXAGON: COIL MTG BRACKET STUD, CADMIUM OR ZINC-CHROMATE: 5/16-24 THD SIZE	"B" (74865) 12036B	2	*	*	*		
	X2	O	5310-266-0458	NUT, PLAIN, HEXAGON: COIL MTG, CADMIUM PLATED; 1/4-28 THD SIZE	"A" (74865) 120368	1	*	*	*		
9	X2	O	5310-042-6903	NUT, PLAIN, HEXAGON: COIL TERMINAL STUD, CADMIUM OR ZINC PLATED; NO. 10-32 THD SIZE	(74865) 120367	2	*	*	*		
	P	O	2920-715-0430	PARTS KIT, IGNITION DISTRIBUTOR	(74865) 120614	2	*	*	*		
11	X1		3120-505-8712	BEARING, SLEEVE: BASE ASSEMBLY, ABSORBIC BRONZE	"A" (81336) KIT19728-16	1	3	*	*	100	
	X1		5910-358-6842	CAPACITOR, FIXED, PAPER DIELECTRIC	"A" (19728) IAT3076DS	1				19	21
	X1		2920-480-7472	CONTACT SET, DISTRIBUTOR	"A" (19728) IGP3028XS	1				19	7
	X1		5340-200-7415	RING, RETAINING: CAM RETAINING	"A" (19728) IG680	1				19	34
	X1		2920-362-3002	ROTOR, IGNITION DISTRIBUTOR	"A" (19728) IGS1016B	1				19	11
	X1		2920-630-9888	SPACER, DRIVE SHAFT	"A" (19728) IGS99	1				19	2
9	X1		5310-530-7283	WASHER, FLAT: DRIVE SHAFT, LOWER	"A" (19728) IG90	1				19	29
9	X1		5310-428-4576	WASHER, SHOULDER: INNER DRIVE SHAFT, UPPER	"A" (19728) IAO-10	1				19	16
	X1		3120-428-4577	WASHER, THRUST: OUTER DRIVE SHAFT, UPPER	"A" (19728) IAO-11	1				19	23
10	X1		9390-360-6831	WICK, FELT	"A" (19728) IGS117	1					
	X1		2920-281-8623	WICK, FELT: CAM SLEEVE	"A" (19728) IGH28	1				19	10
	P	O	2920-723-3128	PARTS KIT, IGNITION DISTRIBUTOR	"B" (81336) KIT19728-21	1	3	*	*	100	
11	X1		5910-161-8881	BEARING: BASE ASSEMBLY, ABSORBIC BRONZE	"B" (19728) IG57A	2				19	21
	X1		2920-288-3143	CAPACITOR, FIXED, PAPER DIELECTRIC	"B" (19728) IGP3028FS	1				21	26
	X1		5970-360-8105	CONTACT SET, DISTRIBUTOR	"B" (19728) IAD8	1				21	31
11	X1		5970-360-8101	INSULATION, PLATE: TERMINAL STUD, INNER	"B" (19728) IAD8	1					
	X1		5340-200-7415	INSULATOR, BUSHING: INSULATING, TERMINAL STUD	"B" (19728) IAD10	1					
	X1		2920-640-7295	RING, RETAINING: CAM	"B" (19728) IG680	1				19	11
	X1		2920-630-9888	ROTOR, IGNITION DISTRIBUTOR	"B" (19728) IGS1016B	1				19	2
9	X1		5310-530-7283	SPACER, DRIVE SHAFT: CAM	"B" (19728) IGS99	1				19	13
	X1			WASHER, FLAT: DRIVE SHAFT, LOWER	"B" (19728) IG90	1				19	29
	X1			WASHER: INSULATING, TERMINAL STUD	"B" (19728) IDL9	1					
	X1		5310-358-8345	WASHER, RECESSED: DRIVE SHAFT, UPPER	"B" (19728) IGS104	1				19	16
	X1		5310-428-4576	WASHER, SHOULDERED (1)	(19728) IAO-10	0				19	16



TO PARTS, FIGURE 20

Reference Number	Functional Group	Item Name
1	0601	WASHER
2	0601	BOLT
3	0615	CAPACITOR
4	0615	SCREW
5	0615	WASHER
6	0615	CABLE AY
7	0601	GENERATOR AY
8	0601	NUT
9	0604	BRACKET
10	0604	COIL
11	0604	COIL
12	0615	ADAPTER
13	0615	NUT
14	0615	BRACKET
15	0615	SCREW
16	0615	WASHER
17	0615	BRACKET
18	0615	WASHER
19	0615	SCREW
20	0604	SCREW
21	0604	WASHER
22	0615	SHIELD
23	0615	WASHER
24	0615	SCREW
25	0615	SHIELD
26	0615	SCREW
27	0615	CAPACITOR
28	0615	SCREW
29	0615	SHIELD AY
30	0615	LEAD
31	0601	WASHER
32	0601	WASHER
33	0601	WASHER
34	0601	SCREW
35	0602	BRACKET
36	0602	WASHER

Figure 20. Coil, Regulator, and Generator.

INDEX TO PARTS, FIGURE 20 (cont)

Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name
37	0602	SCREW	40	0615	CAPACITOR	43	0615	CABLE AY
38	0602	REGULATOR	41	0615	WASHER	44	0601	BOLT
39	0615	LEAD	42	0615	NUT	45	0601	BRACKET

INDEX TO PARTS, FIGURE 21

Reference Number	Functional Group	Item Name
1	0615	SHIELD
2	0604	CABLE AY
3	0604	CABLE SET
4	0604	SPARK PLUG
5	0603	SCREW
6	0603	BRUSH SET
7	0603	RELAY AY
8	0603	SCREW
9	0603	WASHER
10	0603	STARTER
11	0603	WASHER
12	0603	SCREW
13	0612	LEAD
14	0612	SCREW
15	0612	WASHER
16	0612	BATTERY
17	0612	LEAD
18	0615	PLUG
19	0615	SETScrew
20	0615	ADAPTER
21	0604	CABLE AY
22	0615	WASHER
23	0615	SCREEN
24	0615	COLLAR
25	0604	BASE AY
26	0604	CAPACITOR
27	0604	WASHER
28	0604	SCREW
29	0604	SCREW
30	0604	WASHER
31	0604	CONTACT SET
32	0604	CAP
33	0604	DISTRIBUTOR
34	0603	NUT
35	0603	BAND
36	0615	SCREW
37	0615	WASHER
38	0615	LEAD
39	0615	LEAD
40	0615	SCREW
41	0615	WASHER

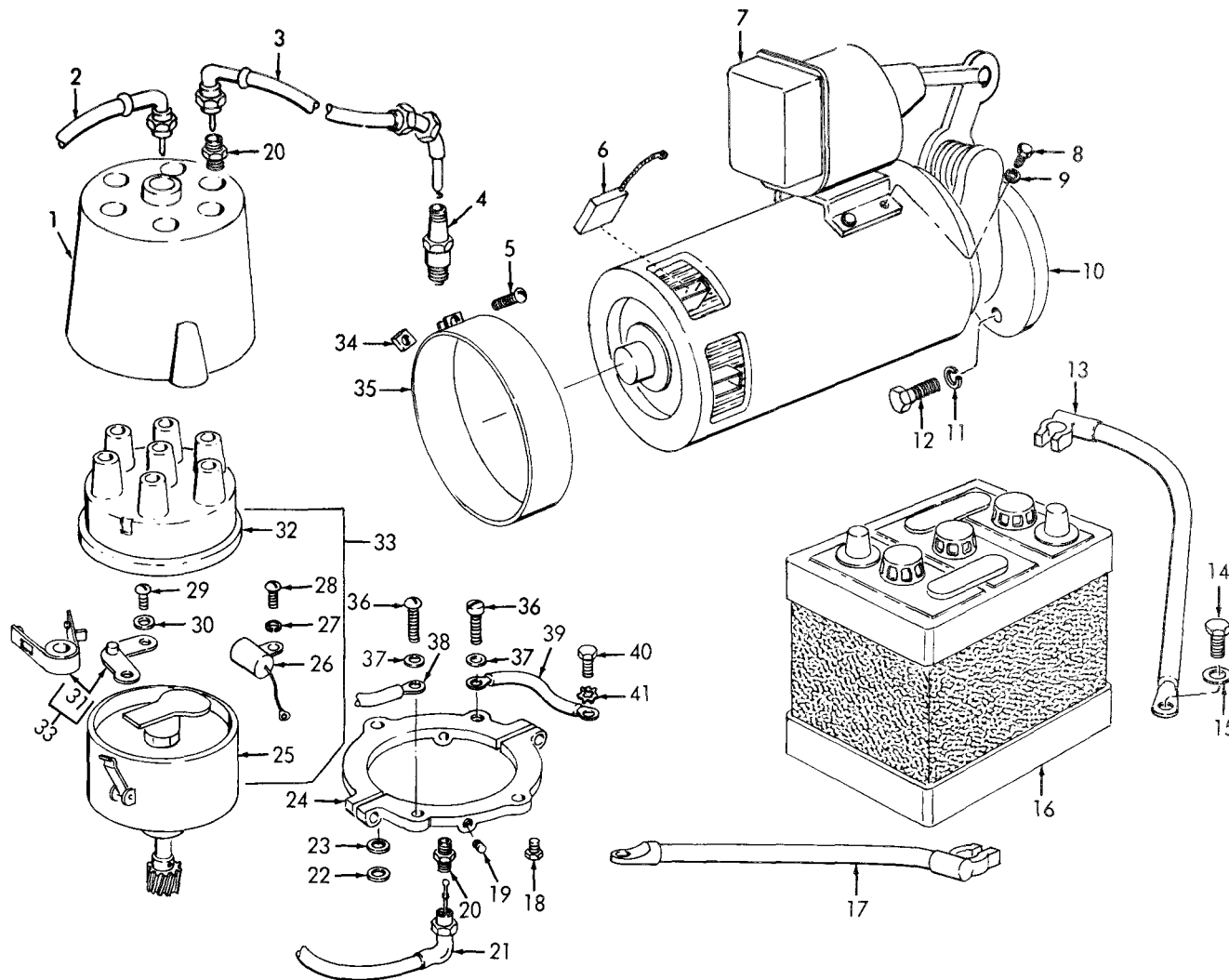


Figure 21. Starter, Battery, and Distributor.

SOURCE CODES

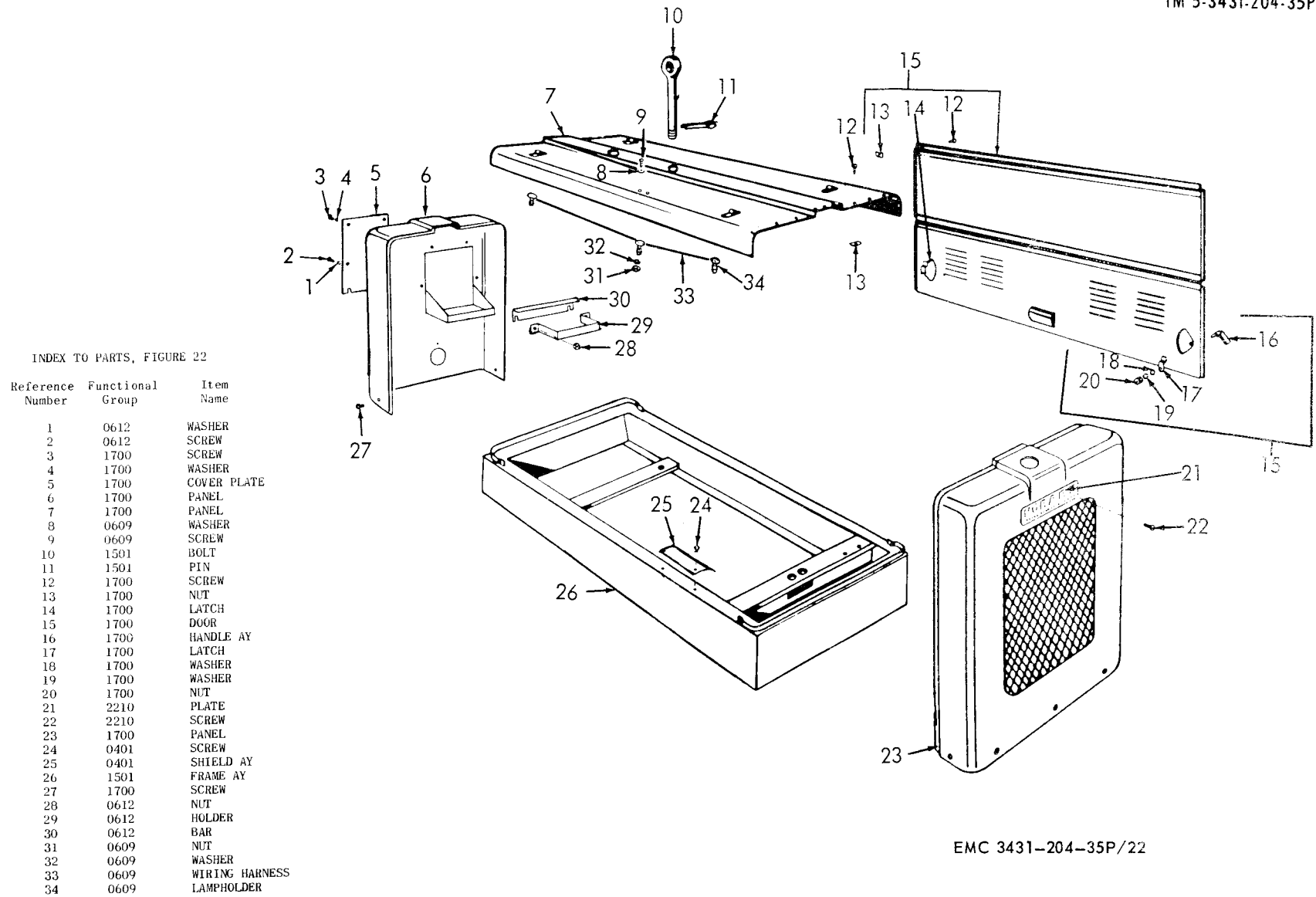
TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVER-ABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDA-BILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUS-TRATIONS			
									15 DAYS FIELD MAINTENANCE 3RD ECH 100 EQUIPMENTS	4TH ECH	DEPOT MAINTENANCE 5TH ECH	FIG NO	ITEM NO		
0604 - IGNITION COMPONENTS (CONT)															
10	X1			3120-428-4577	WASHER, THRUST			1					19	23	
	X1			9390-360-6831	WICK, FELT	"B" (19728)	IAO-11	1							
	X1			2920-281-8623	WICK, FELT: CAM SLEEVE	"B" (19728)	IGS117	1					19	10	
	X2	O		2920-217-3505	PIPE: DISTRIBUTOR OIL CUP EXTENSION	"A" (28835)	DW6357	1		*	*	*			
	X2	O			PLATE: DISTRIBUTOR LOCK	"A" (74865)	1502251	1		*	*	*			
	X2	O			PLATE: DISTRIBUTOR LOCK	"B" (74865)	866069	1		*	*	*			
	X2	O			POINTER: DISTRIBUTOR LOCK PLATE	"A" (74865)	1323934	1		*	*	*			
	A	O		5305-208-1503	SCREW, ASSEMBLED WASHER: DISTRIBUTOR HOLD DOWN	"A" (74865)	957471	1		*	*	*			
9	X2	O		5305-639-8115	SCREW, CAP, HEXAGON HEAD: CADMIUM OR ZINC-CHROMATE; 1/4-20 THD SIZE; 3/4 IN. LG	"A"		1		*	*	*			
9	X2	O		5310-012-1753	WASHER, LOCK: CADMIUM OR ZINC-CHROMATE; 0.262 IN. ID, 0.502 IN. OD, 0.025 IN. THK	"A"		1		*	*	*			
9	X2	O		5305-262-9666	SCREW, MACHINE: COIL MTG, 1/4-20 THD SIZE; 1/2 IN. LG	"A"		2		*	*	*	20	20	
9	X2	O		5305-776-7688	SCREW, MACHINE: DISTRIBUTOR CLAMP, CADMIUM PLATED; 1/4-20 THD SIZE; 5/8 IN. LG			1		*	*	*			
9	X2	O		5305-013-2259	SCREW, MACHINE: DISTRIBUTOR HOLD DOWN, CADMIUM OR ZINC PLATE; 1/4-20 THD SIZE; 5/8 IN. LG	"B" (74865)	132259	1		*	*	*			
9	X2	O		5305-013-2900	SCREW, MACHINE: DISTRIBUTOR TERMINAL WIRE, CADMIUM OR ZINC PLATED; NO. 10-32 THD SIZE; 3/8 IN. LG	"A" (74865)	132900	1		*	*	*			
	X2	O			SLEEVE: IGNITION COIL PRIMARY CABLE TERMINAL	"A" (74865)	1264933	1		*	*	*			
	X2	O			SLEEVE: IGNITION COIL PRIMARY CABLE TERMINAL	"B" (74865)	926026	1		*	*	*			
	X2	O			SLEEVE: IGNITION COIL, SECONDARY CABLE	(74865)	1345631	1		*	*	*			
	P	O		2920-248-1618	SPARK PLUG (MINIMUM STOCKAGE OF 6 AUTHORIZED)	"A" (19728)	AR4S	6	75		*		600	21	4
	X1			5330-245-5503	GASKET: SPARK PLUG (COMPONENT OF GASKET SET, STOCK NO. 2805-353-8007, SEE GROUP 0100)	"A" (74865)	150189	6							
	P	O		2920-294-3867	SPARK PLUG (MINIMUM STOCKAGE OF 6 AUTHORIZED)	"B" (19728)	AR8S	6	75		*		600	21	4
	X1			5330-245-5503	GASKET: SPARK PLUG (COMPONENT OF GASKET SET, STOCK NO. 2805-620-0098, SEE GROUP 0100)	"B" (74865)	150189	6							
9	X2	O		5307-010-3173	STUD, PLAIN, COIL MTG BRACKET, ONE END 5/16-18 THD SIZE; OTHER END, 5/16-24 THD SIZE; 1 1/4 IN. LG	"A" (74865)	103173	1		*	*	*			
9	X2	O		5307-010-3173	STUD, PLAIN: COIL MTG BRACKET, ONE END, 5/16-18 THD SIZE; OTHER END, 5/16-24 THD SIZE; 1 1/4 IN. LG	"B" (74865)	103173	2		*	*	*			
	X2	O			TUBE: IGNITION CABLES	"A" (74865)	1188452	1		*	*	*			
9	X2	O		5310-044-6192	WASHER, FLAT: DISTRIBUTOR CLAMP, BRASS; 0.265 IN. ID, 0.625 IN. OD, 0.049 IN. THK	"A"		1		*	*	*			
9	X2	O		5310-194-1540	WASHER, FLAT: DISTRIBUTOR CLAMP, CADMIUM OR ZINC-CHROMATE; 0.281 IN. ID, 0.625 IN. OD, 0.065 IN. THK	"B"		1		*	*	*			

	X2	O		WASHER: IGNITION COIL SECONDARY CABLE	(74865) 1345632	1	*	*	*		
9	X2	O	5310-013-8485	WASHER, LOCK: COIL MTG BRACKET, CADMIUM OR ZINC-CHROMATE; 0.326 IN. ID, 0.599 IN. OD, 0.031 IN. THK	(74865) 138485	1	*	*	*		
9	X2	O	5310-013-8485	WASHER, LOCK: COIL MTG BRACKET STUD, CADMIUM OR ZINC-CHROMATE; 0.326 IN. ID, 0.599 IN. OD, 0.031 IN. THK	"B" (74865) 138485	2	*	*	*		
9	X2	O	5310-582-5965	WASHER, LOCK: COIL MTG, CADMIUM-CHROMATE; 0.255 IN. ID, 0.493 IN. OD, 0.062 IN. THK		2	*	*	*	20	21
9	X2	O	5310-582-5965	WASHER, LOCK: DISTRIBUTOR CLAMP, CADMIUM-CHROMATE; 0.255 IN. ID, 0.493 IN. OD, 0.062 IN. THK	"B" (74865) 120380	1	*	*	*		
9	X2	O	5310-013-1098	WASHER, LOCK: DISTRIBUTOR CLAMP, CADMIUM OR ZINC CHROMATE; 0.225 IN. ID, 0.495 IN. OD, 0.077 IN. THK	"A" (74865) 131098	1	*	*	*		
9	X2	O	5310-013-8479	WASHER, LOCK: DISTRIBUTOR TERMINAL WIRE, CADMIUM OR ZINC-CHROMATE; 0.200 IN. ID, 0.402 IN. OD, 0.023 IN. THK	(74865) 138479	3	*	*	*		
	X2	O	5330-298-0793	WASHER, NONMETALLIC: DISTRIBUTOR TO CRANKCASE CORK; 1.375 IN. ID, 1.385 IN. OD, 3/16 IN. THK	(74865) 41928	1	*	*	*		
				0607 - INSTRUMENT OR ENGINE CONTROL PANEL							
11	P1	O	6625-252-5545	AMMETER: BATTERY CHARGING, 30-0-30	(28835) 5CW1046A	1	*	*	*	5	32 33
11	P1	O	5930-272-1331	SWITCH, LOCK, IGNITION	(28835) DW1014	1	*	*	*	5	32 34
11	P1	O	5930-256-1109	SWITCH, PUSH: START, DC, 20V, 20 AMPS	(28835) E5570A	1	*	*	*	5	32 35
11	P1	O	5930-258-5541	SWITCH, TOGGLE: ENGINE CANOPY LIGHTS	(28835) FW1312	1		SEE GROUP 9901		SEE GROUP 990:32	36
				0609 - LIGHTS							
	P	O	6240-155-8694	LAMP, INCANDESCENT: CANOPY LIGHTS, 6-8V, NO. 1130		3	3	*	*	60	
	P1	O	6250-371-5476	LAMPHOLDER: CANOPY, ENGINE ILLUMINATING (GE)	(28835) 3DW346	3	*	*	*	15	22 34
9	X2	O	5310-275-1706	NUT, PLAIN, HEXAGON: WIRING, LAMP MTG SCREW, NO. 6-32 THD SIZE		6	*	*	*		22 31
9	X2	O	5305-010-0737	SCREW, MACHINE: WIRING HARNESS, LAMP MTG, NO. 6-32 THD SIZE; 3/8 IN. LG		6	*	*	*		22 9
9	X2	O	5310-010-6495	WASHER, LOCK: WIRING, LAMP MTG, 0.141 IN. ID, 0.253 IN. OD, 0.031 IN. THK		6	*	*	*		22 32
9	X2	O	5310-011-5543	WASHER, LOCK: WIRING, LAMP MTG, 0.145 IN. ID, 0.285 IN. OD, 0.019 IN. THK		6	*	*	*		22 8
	X2	O	3432-429-0965	WIRING HARNESS: CANOPY LIGHTS	(28835) DW1153	1	*	*	*		22 33
				0612 - BATTERIES, STORAGE, WET OR DRY							
	X2	O		BAR: BATTERY SUPPORTING	(28835) DW1002	1	*	*	*		22 30
9	P	O	6140-191-8509	BATTERY, STORAGE: 6V	(28835) DW5094	1	*	*	*		21 16
9	X2	O	5306-577-5458	BOLT, MACHINE: BATTERY HOLDER TO REAR PANEL, 5/16-18 THD SIZE; 1 IN. LG	"B"	2	*	*	*		23 22
	X2	O		CLAMP: BATTERY CABLE	"A" (74865) 50MS306	2	*	*	*		9 27
11	X2	O	6140-429-0958	HOLDER, BATTERY	(28835) CW899	1	*	*	*		22 29
11	P1	O	6140-636-7821	LEAD, STORAGE BATTERY: BATTERY TO STARTER	(28835) DW6394	1	*	*	*	25	21 17
11	P1	O	6140-636-7805	LEAD, STORAGE BATTERY: GROUND, NO. 1 AWG FOR 7/16 IN. STUD SIZE	(28835) BW709	1	*	*	*	25	21 13

SOURCE CODES

TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVER-ABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDE-BILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUS-TRATIONS		
									15 DAYS FIELD MAINTENANCE	3RD ECH	4TH ECH	DEPOT MAINTENANCE	5TH ECH	FIG NO
0612 - BATTERIES, STORAGE, WET OR DRY (CONT)														
9	X2	O		5310-010-2634	NUT, PLAIN, HEXAGON: BATTERY HOLDER, CLAMP TO REAR PANEL, 5/16-18 THD SIZE			2	*	*	*			
9	X2	O		5310-010-9084	NUT, PLAIN, HEXAGON: BATTERY HOLDER TO REAR PANEL, 1/4-20 THD SIZE			2	*	*	*		22	28
9	X2	O		5310-050-3270	NUT, SELF-LOCKING, HEXAGON: BATTERY HOLDER TO REAR PANEL, 5/16-18 THD SIZE			2	*	*	*		23	21
9	X2	O		5305-010-6974	SCREW, CAP, HEXAGON HEAD: BATTERY GROUND LEAD, 3/8-16 THD SIZE; 1/2 IN. LG			1	*	*	*		21	14
9	X2	O		5305-261-1822	SCREW, CAP, HEXAGON HEAD: BATTERY HOLDER TO REAR PANEL, 1/4-20 THD SIZE; 3/4 IN. LG			2	*	*	*		22	2
3	P	O		6810-249-9354	SULFURIC ACID, ELECTROLYTE (AS REQUIRED)	GAL		2	*	*	*			
9	X2	O		5310-044-6362	WASHER, FLAT: BATTERY GROUND LEAD, 3/8 IN. ID, 7/8 IN. OD, 3/32 IN. THK			1	*	*	*		21	15
9	X2	O		5310-010-3319	WASHER, LOCK: BATTERY HOLDER TO REAR PANEL, 0.255 IN. ID, 0.493 IN. OD, 0.062 IN. THK			2	*	*	*		22	1
0615 - RADIO INTERFERENCE SUPPRESSION														
	X2	O			ADAPTER, SPHERICAL JOINT, DISTRIBUTOR SHIELD COLLAR			1		SEE GROUP 9901			SEE GROUP 9901	
	X2	O			BRACKET: IGNITION COIL SHIELD MTG	(28835) DW6327		1	*	*	*		20	14
	X2	O			CABLE ASSEMBLY: AMMETER TO VOLTAGE REGULATOR, SPECIAL PURPOSE, ELECTRICAL	(28835) DW6320		1	*	*	*			
	X2	O			CABLE ASSEMBLY: GENERATOR ARMATURE TO VOLTAGE REGULATOR, SPECIAL PURPOSE, ELECTRICAL	(28835) 47CS647		1	*	*	*		20	43
11	P	O		5910-161-6876	CAPACITOR, FIXED, PAPER DIELECTRIC: GENERATOR	(28835) 11AC647		2	*	*	*			6
11	P	O		5910-161-6876	CAPACITOR, FIXED, PAPER DIELECTRIC: IGNITION COIL	(28835) DW5133AH		1		SEE GROUP 9901			SEE GROUP 9901	20 3
11	P	O		5910-161-6876	CAPACITOR, FIXED, PAPER DIELECTRIC: VOLTAGE REGULATOR	(28835) DW5133AD		1		SEE GROUP 9901			SEE GROUP 9901	20 27
	X2	O			COLLAR: DISTRIBUTOR SHIELD	(28835) DW5133AC		1		SEE GROUP 9901			SEE GROUP 9901	20 40
	P1	O		6150-279-6065	LEAD, ELECTRICAL: BONDING, DISTRIBUTOR SHIELD TO ENGINE BLOCK	(28835) DW6328		1	*	*	*		21	24
	P1	O		6150-279-8386	LEAD, ELECTRICAL: BONDING, DISTRIBUTOR SHIELD TO COIL SHIELD	"A" (28835) DW6316		1	*	*	*		10	21 39
	X2	O		6150-279-8385	LEAD, ELECTRICAL: GENERATOR BONDING	(28835) DW6318		1	*	*	*		10	21 38
	M	O		6150-279-6089	LEAD, ELECTRICAL: REGULATOR	(28835) DW6375		1	*	*	*			20 30
					MANUFACTURE FROM:	(28835) DW6317		1	*	*	*			20 39
11	P	O		6145-171-3378	BRAND, WIRE (8 IN. REQUIRED)			1		SEE GROUP 9501			SEE GROUP 9501	
	X2	O		5940-271-7468	TERMINAL, LUG: BRASS; NO. 10 AWG, FOR 1/4 IN. STUD			1	*	*	*			
	X2	O		5940-050-6218	TERMINAL, LUG: COPPER, TINNED FINISH; NO. 8 AWG, FOR NO. 10 SCREW SIZE			1	*	*	*			
9	X2	O		5310-010-9084	NUT, PLAIN, HEXAGON: REGULATOR BOND LEAD SCREW, 1/4-20 THD SIZE			3	*	*	*		20	42

9	X2	O	4730-288-8572	PLUG, PIPE: DISTRIBUTOR SHIELD, 1/4-18 THD SIZE (GE)		1	*	*	*	21	18
	X2	O	5335-174-2937	SCREEN: VENT, DISTRIBUTOR SHIELD	(28835) DW6322	1	*	*	*	21	23
9	X2	O	5305-017-9837	SCREW, CAP, HEXAGON HEAD: DISTRIBUTOR BONDING STRAP TO ENGINE BLOCK, 3/8-16 THD SIZE; 3/4 IN. LG		1	*	*	*	21	40
9	X2	O	5305-021-3761	SCREW, CAP, HEXAGON HEAD: GENERATOR BOND LEAD, 7/16-14 THD SIZE; 1 IN. LG		2	*	*	*		
9	X2	O	5305-017-9791	SCREW, CAP, HEXAGON HEAD: IGNITION COIL SHIELD MTG, 1/4-20 THD SIZE; 1/2 IN. LG		2	*	*	*	20	15
9	X2	O	5305-010-0765	SCREW, MACHINE: BONDING STRAP, DISTRIBUTOR SHIELD TO IGNITION COIL, NO. 10-32 THD SIZE; 5/8 IN. LG	"A"	1	*	*	*	20	24
9	X2	O	5350-150-9611	SCREW, MACHINE: BONDING STRAP, DISTRIBUTOR SHIELD TO IGNITION COIL, NO. 10-32 THD SIZE; 3/4 IN. LG	"B"	1	*	*	*		
9	X2	O	5305-206-3339	SCREW, MACHINE: BONDING STRAP, DISTRIBUTOR SHIELD TO IGNITION COIL, PASSIVATED FINISH; NO. 10-32 THD SIZE; 3/4 IN. LG	"A"	1	*	*	*		
9	X2	O	5305-022-6404	SCREW, MACHINE: BOND STRAP, DISTRIBUTOR TO IGNITION COIL, NO. 10-32 THD SIZE; 5/8 IN. LG	"B"	1	*	*	*		
9	X2	O	5305-011-0499	SCREW, MACHINE: CAPACITOR MTG, NO. 10-24 THD SIZE; 3/8 IN. LG		1	*	*	*		
9	X2	O	5305-011-0489	SCREW, MACHINE: DISTRIBUTOR BONDING STRAP, NO. 10-24 THD SIZE; 3/4 IN. LG	"B"	2	*	*	*	21	36
9	X2	O	5305-011-0502	SCREW, MACHINE: DISTRIBUTOR BONDING STRAP, NO. 10-24 THD SIZE; 3/4 IN. LG	"A"	1	*	*	*		
9	X2	O	5305-010-0749	SCREW, MACHINE: GENERATOR CAPACITOR MTG, NO. 8-32 THD SIZE; 1/4 IN. LG		1	*	*	*	20	4
9	X2	O	5305-011-3958	SCREW, MACHINE: REGULATOR BOND LEAD, 1/4-20 THD SIZE; 7/8 IN. LG		2	*	*	*		
9	X2	O	5305-285-4620	SETScrew: DISTRIBUTOR SHIELD COLLAR: CADMIUM OR ZINC PLATED; 1/4-20 THD SIZE; 7/8 IN. LG		2	*	*	*	21	19
	X2	O	2920-371-5447	SHIELD, IGNITION SYSTEM, DISTRIBUTOR	(28835) DW6321	1	*	*	*		
	X1	O	2920-377-8968	ADAPTER: SPHERICAL JOINT, DISTRIBUTOR SHIELD	(28835) DW6327	7	SEE GROUP 9901		SEE GROUP 9901	21	20
	X1	O	2920-371-5449	SHIELD, IGNITION DISTRIBUTOR	(28835) DW6324	1				21	1
11	X2	O	5935-024-2198	SHIELD ASSEMBLY, IGNITION COIL	(28835) DW6331	1	*	*	*	20	29
	X2	O		ADAPTER, COIL TO DISTRIBUTOR LEAD: SPARK COIL RESISTOR MTG	(28835) DW6391	1	*	*	*		
	X2	O		ADAPTER: SPHERICAL JOINT COIL SHIELD	(28835) DW6327	2	SEE GROUP 9901		SEE GROUP 9901	20	12
	X2	O		BRACKET: MTG	(28835) DW6335	1	*	*	*	20	17
9	X2	O	5310-010-9084	NUT, PLAIN, HEXAGON: COIL SHIELD BRACKET, 1/4-20 THD SIZE		2	*	*	*	20	13
9	X2	O	5305-275-3927	SCREW, MACHINE: SHIELD BRACKET, 1/4-20 THD SIZE; 1 IN. LG		2	*	*	*	20	19
9	X2	O	5305-011-0488	SCREW, MACHINE: SHIELD TOP, COIL, NO. 10-24 THD SIZE; 5/8 IN. LG		5	*	*	*	20	28
9	X2	O	5305-022-4592	SCREW, MACHINE: SHIELD TOP, COIL, NO. 10-24 THD SIZE; 1 1/4 IN. LG		1	*	*	*	20	26
	X1		2920-371-5448	SHIELD, IGNITION COIL: BOTTOM	(28835) DW6330	1				20	22
	X1			SHIELD: TOP, IGNITION COIL	(28835) DW6329	1				20	25
	P1	O	2920-371-5453	SUPPRESSOR, IGNITION INTERFERENCE: RESISTOR COIL TO DISTRIBUTOR HEAD		1	*	*	20		
9	X2	O	5310-011-5547	WASHER, LOCK: COIL SHIELD BRACKET, 0.262 IN. ID, 0.469 IN. OD, 0.025 IN. THK	(28835) DW6390	2	*	*	*	20	18



EMC 3431-204-35P/22

Figure 22. Skid Frame, Panels, and Door for Symbol (A).

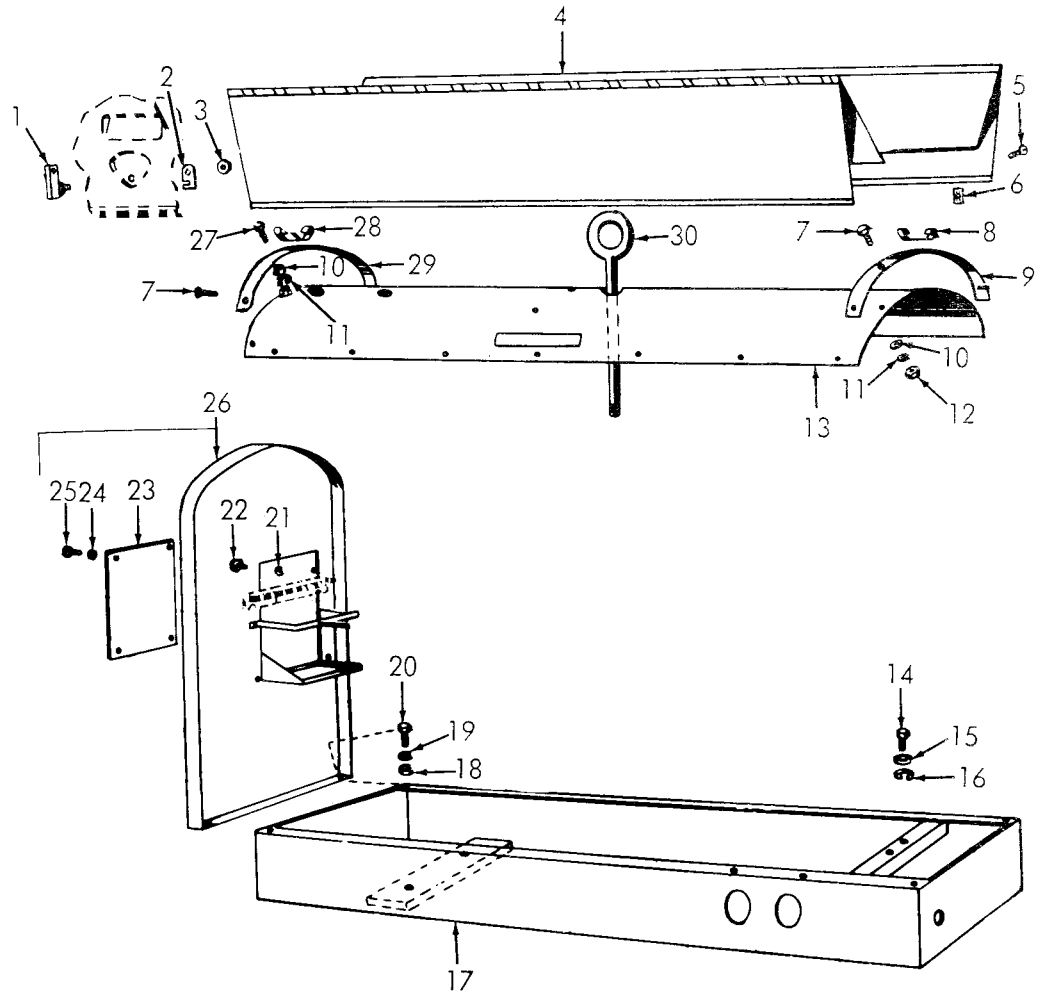


SOURCE CODES

TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVER-ABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDA-BILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUS-TRATIONS		
									15 DAYS FIELD MAINTENANCE 3RD ECH 100 EQUIPMENTS	4TH ECH	DEPOT MAINTENANCE 5TH ECH	FIG NO	ITEM NO	
0615 - RADIO INTERFERENCE SUPPRESSION (CONT)														
9	X2	0		5310-010-6497	WASHER, LOCK: SHIELD TOP SCREW, 0.194 IN. ID, 0.337 IN. OD, 0.047 IN. THK			6	*	*	*		20	23
	X2	0			STRAP: BONDING DISTRIBUTOR SHIELD TO ENGINE BLOCK	(28835) DW6319		1	*	*	10			
	X2	0		5310-262-3001	WASHER, FLAT: VENT, DISTRIBUTOR SHIELD, CADMIUM PLATED; 1/4 IN. ID, 29/64 IN. OD, 1/32 IN. THK	(28835) DW63223		1	*	*	*		21	22
9	X2	0		5310-017-3122	WASHER, LOCK: BONDING STRAP, DISTRIBUTOR SHIELD TO IGNITION COIL SCREW, 0.200 IN. ID, 0.595 IN. OD, 0.031 IN. THK			1	*	*	*			
9	X2	0		5310-011-5547	WASHER, LOCK: BONDING STRAP, DISTRIBUTOR SHIELD TO IGNITION COIL, 0.262 IN. ID, 0.469 IN. OD, 0.025 IN. THK			2	*	*	*			
9	X2	0			WASHER, LOCK: CAPACITOR MTG SCREW (SUPPLIED UNDER STOCK NO. 5310-017-3122)			2	*	*	*		20	5
9	X2	0		5310-017-8554	WASHER, LOCK: DISTRIBUTOR BONDING STRAP SCREW, 0.391 IN. ID, 1.058 IN. OD, 0.046 IN. THK			1	*	*	*		21	41
9	X2	0		5310-010-6497	WASHER, LOCK: DISTRIBUTOR BONDING STRAP, 0.194 IN. ID, 0.337 IN. OD, 0.047 IN. THK			2	*	*	*		21	37
9	X2	0		5310-017-8576	WASHER, LOCK: GENERATOR BOND LEAD, CADMIUM OR ZINC PLATED; 0.456 IN. ID, 1.142 IN. OD, 0.046 IN. THK			2	*	*	*			
9	X2	0		5310-010-3322	WASHER, LOCK: GENERATOR BOND LEAD, PLAIN, 0.446 IN. ID, 0.784 IN. OD, 0.109 IN. THK			2	*	*	*			
9	X2	0		5310-017-8367	WASHER, LOCK: GENERATOR CAPACITOR MTG SCREW, 0.172 IN. ID, 0.680 IN. OD, 0.031 IN. THK			1	*	*	*			
9	X2	0		5310-017-3124	WASHER, LOCK: IGNITION COIL SHIELD MTG SCREW, 0.262 IN. ID, 0.742 IN. OD, 0.036 IN. THK			2	*	*	*		20	16
9	X2	0		5310-010-3319	WASHER, LOCK: REGULATOR BOND LEAD SCREW, 0.255 IN. ID, 0.493 IN. OD, 0.062 IN. THK			3	*	*	*			
9	X2	0		5310-017-3124	WASHER, LOCK: REGULATOR BOND LEAD SCREW, 0.262 IN. ID, 0.742 IN. OD, 0.036 IN. THK			3	*	*	*			
GROUP 15 - FRAME														
1501 - FRAME ASSEMBLY														
	X2	H			BOLT, EYE: LIFTING	"A" (28835) 5CW1109		1	*	*	*		22	10
	X2	H		5306-141-4547	BOLT, EYE: LIFTING, 2 1/2 IN. ID OF EYE, 1 1/2-6 THD SIZE; 24 3/8 IN. LG	"B" (28835) CW1004		1	*	*	*		23	30
	X2	H			FRAME ASSEMBLY	"A" (28835) 3DW218		1	*	*	*		22	26
9	X2	H		5315-013-7318	PIN, COTTER: LIFTING EYEBOLT, CADMIUM OR ZINC PLATED; 1/4 IN. DIA, 3 IN. LG			1	*	*	*		22	11
	X2	H			SKID, FRAME	"B" (28835) DW989A		1	*	*	*		23	17

INDEX TO PARTS, FIGURE 23

Reference Number	Functional Group	Item Name
1	1700	HANDLE
2	1700	LATCH
3	1700	NUT
4	1700	DOOR
5	1700	SCREW
6	1700	NUT
7	1700	BOLT
8	1700	LOCK
9	1700	STRAP
10	1700	WASHER
11	1700	WASHER
12	1700	NUT
13	1700	PANEL
14	4405	SCREW
15	4405	WASHER
16	4405	WASHER
17	1501	SKID
18	1700	NUT
19	1700	WASHER
20	1700	SCREW
21	0612	NUT
22	0612	BOLT
23	1700	COVER
24	1700	WASHER
25	1700	SCREW
26	1700	CANOPY
27	1700	BOLT
28	1700	LOCK
29	1700	STRAP
30	1501	BOLT



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Figure 23. Skid Frame, Side Panels, and Canopy for Symbol (B).

SOURCE CODES

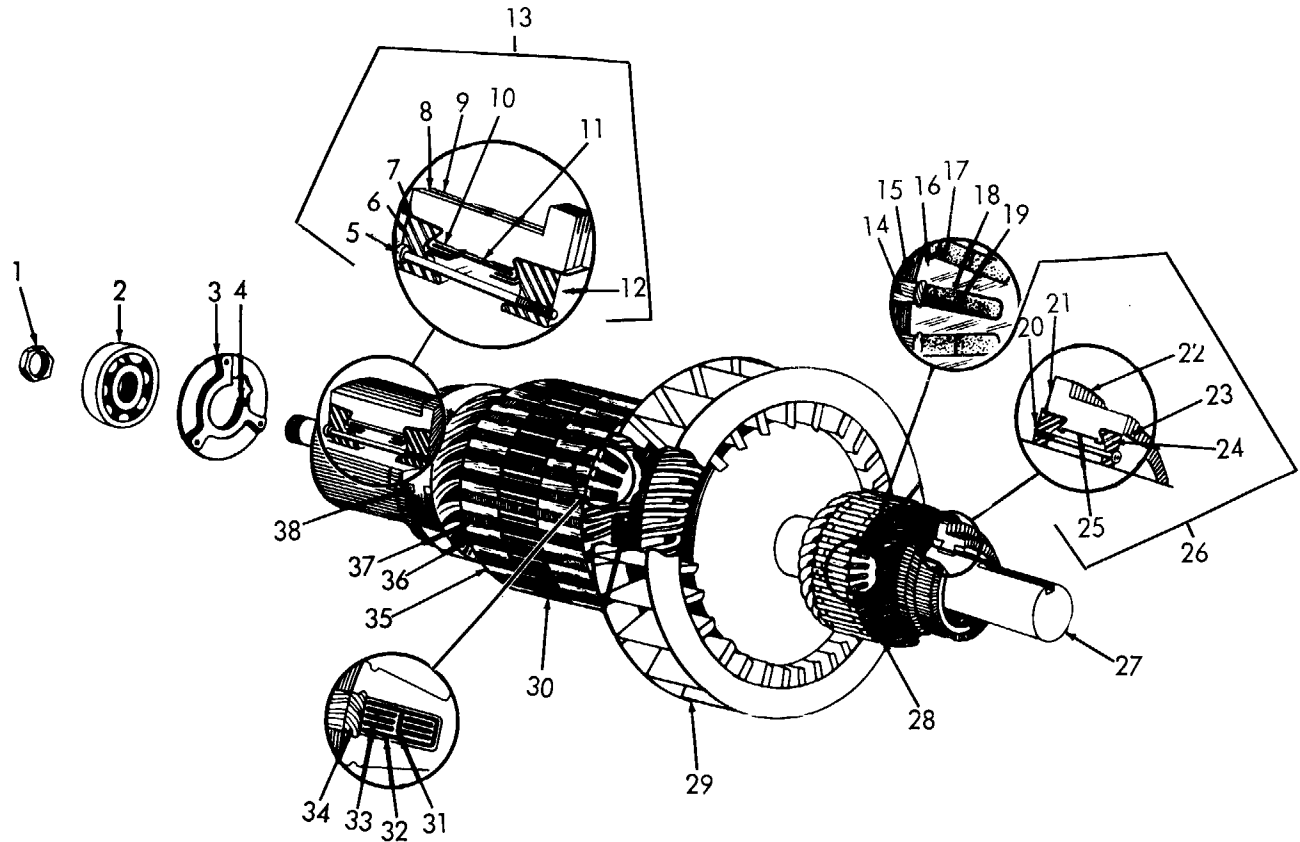
TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVER-ABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPEN- DABILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUS-TRATIONS		
									15 DAYS FIELD MAINTENANCE 3RD ECH	4TH ECH	DEPOT MAINTENANCE 5TH ECH	FIG NO	ITEM NO	
					GROUP 17 - BODY; CAB; HOOD; HULL									
					1700 - BODY, CAB, HOOD, HULL ASSEMBLIES									
9	X2	0		5306-577-5458	BOLT, MACHINE: HOOD CLAMPING STRAP TO RADIATOR AND REAR STRAP TO HOOD, 5/16-18 THD SIZE; 1 IN. LG		"B"	7	*	*	*	23	7	
9	X2	0		5306-022-7776	BOLT, MACHINE: REAR CLAMPING STRAP TO HOOD, CADMIUM OR ZINC PLATED; 5/16-18 THD SIZE; 1 1/4 IN. LG		"B"	3	*	*	*	23	27	
	X2	0		3431-802-6792	CANOPY, HOOD: REAR		"B" (28835) DW1168C	1	*	*	*	23	26	
	X2	0			BAR: BATTERY SUPPORTING		"B" (28835) DW1002	1	SEE GROUP 0612		SEE GROUP 0612			
9	X2	0		5306-577-5458	BOLT, MACHINE: BATTERY HOLDER TO REAR PANEL, 5/16-18 THD SIZE; 1 IN. LG		"B"	2	SEE GROUP 0612		SEE GROUP 0612			
9	X2	0		3432-325-5107	COVER PLATE, ACCESS: BATTERY		"B" (28835) DW999	1	*	*	*	23	23	
11	X2	0		6140-429-0958	HOLDER, BATTERY		"B" (28835) CW899	1	SEE GROUP 0612		SEE GROUP 0612			
9	X2	0		5310-010-2634	NUT, PLAIN, HEXAGON: BATTERY HOLD DOWN CLAMP TO REAR PANEL, 5/16-18 THD SIZE		"B"	2	SEE GROUP 0612		SEE GROUP 0612			
9	X2	0		5310-050-3270	NUT, SELF-LOCKING, HEXAGON: BATTERY HOLDER TO REAR PANEL, 5/16-18 THD SIZE		"B"	2	SEE GROUP 0612		SEE GROUP 0612			
9	X2	0		5305-699-6995	SCREW, TAPPING, THREAD FORMING: BATTERY ACCESS DOOR TO REAR CANOPY, CADMIUM OR ZINC PLATED; 1/4-20 THD SIZE; 3/8 IN. LG		"B"	4	*	*	*	23	25	
9	X2	0		5310-010-3319	WASHER, LOCK: BATTERY ACCESS DOOR TO REAR CANOPY, 0.255 IN. ID, 0.493 IN. OD, 0.062 IN. THK		"B"	4	*	*	*	23	24	
9	X2	0		3432-325-5107	COVER PLATE, ACCESS: BATTERY		"A" (28835) DW999	1	*	*	*	22	5	
	X2	0		3431-047-4692	DOOR, HOOD		"B" (28835) DW1131A	2	*	*	*	23	4	
	X2	0		3432-325-5124	DOOR, HOOD: SIDE		"A" (28835) 3DW224	2	*	*	*	22	15	
	X2	0		6115-321-4545	HANDLE ASSEMBLY: DOOR LATCH		"A" (28835) HF564	4	*	*	*	22	16	
	X2	0			LATCH, DOOR: LEFT		"A" (28835) 3DW248	2	*	*	*	22	17	
	X2	0			LATCH, DOOR: RIGHT		"A" (28835) 3DW249	2	*	*	*	22	14	
9	X2	0		5310-010-2634	NUT, PLAIN, HEXAGON: DOOR LATCH, 5/16-18 THD SIZE		"A"	4	*	*	*	22	20	
9	X2	0		5310-012-5599	NUT, PLAIN, PLATE: SIDE DOOR ASSEMBLY MTG, NO. 10-24 THD SIZE		"A"	14	*	*	*	22	13	
9	X2	0		5310-010-0499	SCREW, MACHINE: SIDE DOOR ASSEMBLY, NO. 10-24 THD SIZE; 3/8 IN. LG		"A"	14	*	*	*	22	12	
9	X2	0		5310-010-6261	WASHER, FLAT: DOOR LATCH, 5/16 IN. ID, 3/4 IN. OD, 1/16 IN. THK		"A"	4	*	*	*	22	18	
9	X2	0		5310-010-3320	WASHER, LOCK: DOOR LATCH, 0.319 IN. ID, 0.591 IN. OD, 0.078 IN. THK		"A"	4	*	*	*	22	19	
	X2	0		2805-732-1232	FASTENER: DOOR, LEFT		"A" (28835) 3DW276	1	*	*	*			
	X2	0			FASTENER: DOOR, LEFT AND RIGHT		"B" (28835) 3DW6343	2	*	*	*	29	18	
	X2	0			FASTENER: DOOR, RIGHT		"A" (28835) 3DW275	1	*	*	*			
	X2	0			HANDLE, DOOR		"B" (28835) DW6347	2	*	*	*	23	1	
	X2	0			LATCH, DOOR		"B" (28835) DW6350	2	*	*	*	23	2	
	X2	0			LOCK, HOOD DOOR: FRONT		"B" (28835) BW413	1	*	*	*	23	8	

SOURCE CODES

TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVER- ABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPEN- DITURE	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUS- TRATIONS		
									15 DAYS FIELD MAINTENANCE 3RD ECH 100 EQUIPMENTS	4TH ECH	DEPOT MAINTENANCE 5TH ECH	FIG NO	ITEM NO	
					1700 - BODY, CAB, HOOD, HULL ASSEMBLY (CONT)									
	X2	0			LOCK, HOOD DOOR: REAR			1	*	*	*	23	28	
9	X2	0		5310-010-2634	NUT, PLAIN, HEXAGON: DOOR LATCH, 5/16-18 THD SIZE			2	*	*	*	23	3	
9	X2	0		5310-010-2634	NUT, PLAIN, HEXAGON: HOOD CLAMPING STRAP SCREWS, 5/16-18 THD SIZE			10	*	*	*	23	12	
9	X2	0		5310-010-2637	NUT, PLAIN, HEXAGON: REAR PANEL TO SKID SCREW, 1/2-13 THD SIZE			2	*	*	*	23	18	
9	X2	0		5310-012-5599	NUT, PLAIN, PLATE: HOOD TOP SCREW, NO. 10-24 THD SIZE "A"			22	*	*	*	22	13	
9	X2	0		5310-012-5599	NUT, PLAIN, PLATE: TOPDOOR PANEL TO HOOD TOP SCREW, NO. 10-24 THD SIZE			14	*	*	*	23	6	
	X2	0			PANEL, HOOD: FRONT			1	*	*	*	22	23	
	X2	0		3431-802-2217	PANEL, HOOD: REAR			1	*	*	*	22	6	
	X2	0		3431-732-1167	PANEL, HOOD: UPPER SECTION			1	*	*	*	22	7	
	X2	0			PANEL, HOOD: UPPER SECTION			1	*	*	*	23	13	
9	X2	0		5305-042-7237	SCREW, CAP, HEXAGON HEAD: BATTERY ACCESS DOOR, CADMIUM OR ZINC PLATED; 1/4-20 THD SIZE; 3/8 IN. LG			4	*	*	*	22	3	
9	X2	0		5305-010-0159	SCREW, CAP, HEXAGON HEAD: REAR PANEL TO SKID, 1/2-13 THD SIZE; 1 1/4 IN. LG			2	*	*	*	23	20	
9	X2	0		5305-286-1494	SCREW, MACHINE: FRONT AND REAR HOOD PANEL, CADMIUM OR ZINC PLATED; 1/4-20 THD SIZE; 1/2 IN. LG			10	*	*	*	22	27	
9	X2	0		5305-011-0499	SCREW, MACHINE: HOOD TOP, NO. 10-24 THD SIZE; 3/8 IN. LG			22	*	*	*	22	12	
9	X2	0		5305-011-0500	SCREW, MACHINE: TOPDOOR PANEL TO HOOD TOP, NO. 10-24 THD SIZE; 1/2 IN. LG			14	*	*	*	23	5	
	X2	0			STRAP: UPPER HOOD PANEL, RADIATOR END			1	*	*	*	23	9	
	X2	0			STRAP: UPPER HOOD PANEL, REAR			1	*	*	*	23	29	
9	X2	0		5310-638-2587	WASHER, FLAT: HOOD CLAMPING STRAP SCREWS, 11/32 IN. ID, 11/16 IN. OD, 0.065 IN. THK			10	*	*	*	23	10	
9	X2	0		5310-010-3319	WASHER, LOCK: BATTERY ACCESS DOOR, 0.255 IN. ID, 0.493 IN. OD, 0.062 IN. THK			4	*	*	*	22	4	
9	X2	0		5310-010-3320	WASHER, LOCK: FRONT AND REAR HOOD CLAMPING STRAP AND DOOR LATCHES, 0.319 IN. ID, 0.591 IN. OD, 0.078 IN. THK			12	*	*	*	23	11	
9	X2	0		5310-010-3323	WASHER, LOCK: REAR PANEL TO SKID SCREW, 0.509 IN. ID, 0.879 IN. OD, 0.125 IN. THK			2	*	*	*	23	19	
					GROUP 22 - MISCELLANEOUS BODY, CHASSIS OR HULL AND ACCESSORY ITEMS									
					2210 - DATA PLATES AND INSTRUCTION HOLDERS									
9	P	0		5330-543-3261	GASKET: NAMEPLATE SCREW, RADIATOR, COPPER; 3/8 IN. ID, 5/8 IN. OD, 3/32 IN. THK			2	2	*	200	14	5	
9	X2	0		3432-025-3106	PLATE, IDENTIFICATION (6V)			1	*	*	*	32	23	

INDEX TO PARTS, FIGURE 24

Reference Number	Functional Group	Item Name
1	4401	NUT
2	4405	BEARING
3	4405	FLANGE
4	4405	PACKING
5	4401	SCREW
6	4401	RING
7	4401	RING
8	4401	BAR
9	4401	SEGMENT
10	4401	RING
11	4401	COLLAR
12	4401	RING
13	4401	COMMUTATOR
14	4401	WEDGE
15	4401	DISK
16	4401	INSULATION DISK
17	4401	WINDING
18	4401	INSULATOR
19	4401	INSULATOR
20	4401	RING
21	4401	RING
22	4401	BAR
23	4401	SEGMENT
24	4401	RING
25	4401	INSULATION
26	4401	COMMUTATOR
27	4401	SHAFT
28	4401	FLANGE
29	4405	FAN
30	4401	DISK
31	4401	INSULATION
32	4401	INSULATION
33	4401	COIL
34	4401	WEDGE
35	4401	DISK
36	4401	FLANGE
37	4401	KEY
38	4401	CLIP



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Figure 24. Armature.

INDEX TO PARTS, FIGURE 24 (cont)

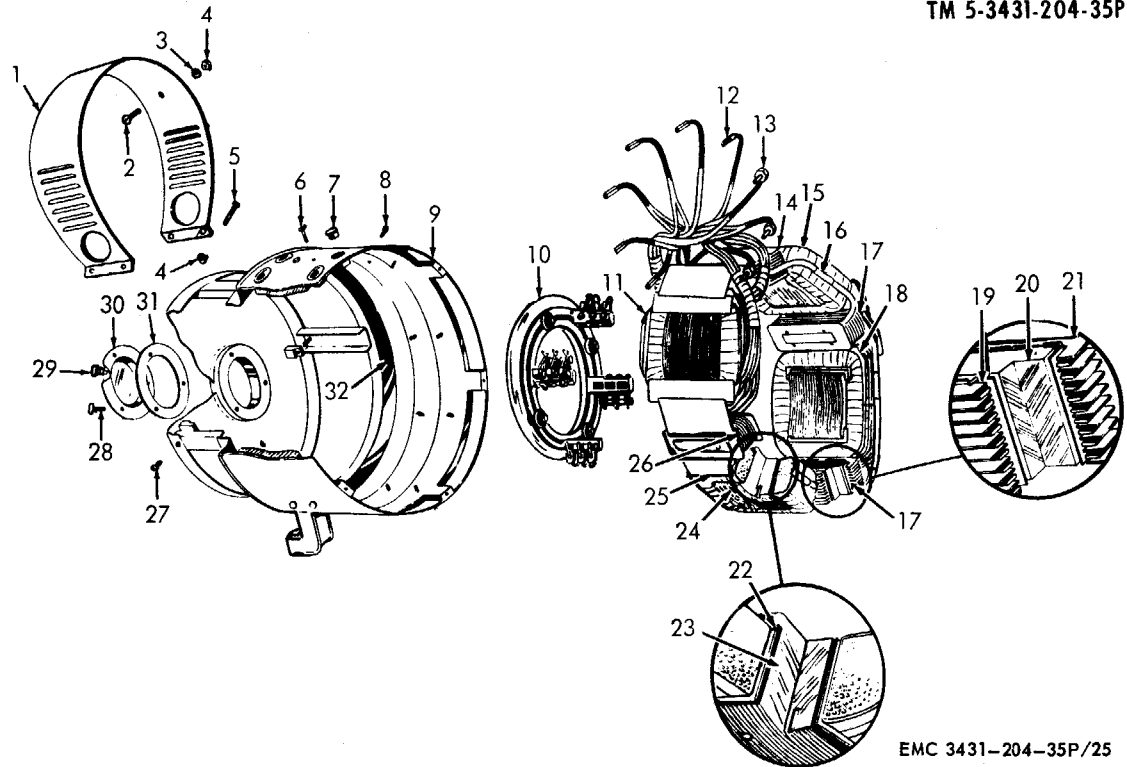
Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name
33	4401	COIL	35	4401	DISK	37	4401	KEY
34	4401	WEDGE	36	4401	FLANGE	38	4401	CLIP

SOURCE CODES

TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVER-ABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDA-BILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUS-TRATIONS		
									15 DAYS FIELD MAINTENANCE 3RD ECH 100 EQUIPMENTS	4TH ECH	DEPOT MAINTENANCE 5TH ECH	FIG NO	ITEM NO	
2210 - DATA PLATES AND INSTRUCTION HOLDERS (CONT)														
	X2	0		3432-025-3107	PLATE, IDENTIFICATION (115V)			1	*	*	*		32	19
	X2	F		9905-205-1709	PLATE, IDENTIFICATION: CORPS OF ENGINEERS, TYPE A (GE)			1	*	*	*			
	X2	0		3431-715-7122	PLATE, IDENTIFICATION: ELECTRODE			1	*	*	*		30	33
	X2	0			PLATE, IDENTIFICATION: ENGINE PANEL			1	*	*	*		32	37
	X2	0		3431-715-7115	PLATE, IDENTIFICATION: GROUND			1	*	*	*		30	30
	X2	0		6115-025-3109	PLATE, IDENTIFICATION: WELDER RADIATOR			1	*	*	*		22	21
	X2	0		3431-817-1432	PLATE, INSTRUCTION: GENERATOR CONTROL PANEL (TURN OFF WHEN NOT IN USE)			1	*	*	*		30	23
11	X2	0		5930-025-3096	PLATE, INSTRUCTION: GENERATOR CONTROL PANEL (SET ON ARROW)			1	*	*	*		30	28
9	X2	0		3432-025-3098	PLATE, INSTRUCTION: RHEOSTAT HANDLE (INCREASE CURRENT)			1	*	*	*		32	25
	X2	0			PLATE, NAME: MOTOR GENERATOR			1	*	*	*		30	32
	X2	0			PLATE, NAME: POLARITY SWITCH			1	*	*	*		30	35
9	X2	F		5320-012-1646	PLATE, NAME: WELDER RADIATOR			1	*	*	*		14	3
					RIVET, TUBULAR: CE PLATE, CADMIUM OR ZINC PLATED; 7/8 IN. DIA, 1/4 IN. LG			4	*	*	*			
9	X2	0		5305-017-9837	SCREW, CAP, HEXAGON HEAD: RADIATOR NAMEPLATE MTG, 3/8-16 THD SIZE; 3/4 IN. LG		"B"	2	*	*	*		14	6
9	X2	0		5305-013-2622	SCREW, MACHINE: GENERATOR MOTOR NAMEPLATE, GENERATOR CONTROL PANEL, INSTRUCTION PLATES AND IDENTIFICATION PLATES, CADMIUM OR ZINC PLATED; NO. 4-40 THD SIZE; 3/16 IN. LG			12	*	*	*		30	24
					SCREW, MACHINE: RHEOSTAT HANDLE INSTRUCTION PLATE (SUPPLIED UNDER STOCK NO. 5305-013-2622)			3	*	*	*		32	26
9	X2	0		5305-017-1344	SCREW, TAPPING, THREAD CUTTING: NAMEPLATE ATTACHING, CADMIUM OR ZINC PLATED; NO. 6-32 THD SIZE; 3/8 IN. LG			4	*	*	*		22	22
9	X2	0		5305-042-6632	SCREW, TAPPING, THREAD FORMING: IDENTIFICATION PLATE; CADMIUM OR ZINC PLATED; NO. 4-24 THD SIZE; 3/16 IN. LG			6	*	*	*		32	18
9	X2	0		5305-016-9554	SCREW, TAPPING, THREAD FORMING: POLARITY SWITCH NAMEPLATE MTG, TYPE F, CADMIUM OS ZINC PLATED; 1/4-28 THD SIZE; 3/8 IN. LG			2	*	*	*			
	X2	0			TRANSFER (POSITIVE AND NEGATIVE)			2	*	*	*		32	17
					GROUP 44 - WELDING EQUIPMENT									
					4401 - ROTOR ASSEMBLY									
9	X2	F	T	6115-447-4231	ARMATURE ASSEMBLY: GENERATOR AND EXCITER			1	*	*	5		24	
	X2	F		3110-144-8664	BEARING, BALL ANNULAR: ROTOR SHAFT			1	SEE GROUP	4405	SEE GROUP	4405		
	X2	D			CLIP: BANDING WIRE			8			*		24	38
	X2	D			COIL: ARMATURE, GENERATOR			99			*		24	33
	X2	D		6115-447-4248	COMMUTATOR, GENERATOR			1			5		24	13

INDEX TO PARTS, FIGURE 25

Reference Number	Functional Group	Item Name
1	4405	COVER
2	4405	SCREW
3	4405	WASHER
4	4405	NUT
5	4405	SCREW
6	4402	SCREW
7	4402	INSULATOR
8	4402	SCREW
9	4405	HOUSING
10	4403	HOLDER AY
11	4402	COIL
12	4402	TERMINAL LEAD
13	4402	CONNECTOR
14	4402	WINDING
15	4402	WINDING
16	4402	CLIP
17	4402	WINDING
18	4402	WINDING
19	4402	INSULATOR
20	4402	POLE PIECE
21	4402	INSULATOR
22	4402	INSULATOR
23	4402	INSULATOR
24	4402	POLE PIECE
25	4402	INSULATOR
26	4402	WINDING
27	4403	SETSCREW
28	4405	BOLT
29	4405	CUP
30	4405	CAP
31	4405	GASKET
32	4402	INSULATOR



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Figure 25. Stator and Housing.

SOURCE CODES				FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDABILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUSTRATIONS	
TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVERABILITY						15-DAYS FIELD MAINTENANCE		DEPOT MAINTENANCE	FIG. NO.	ITEM NO.
									3RD ECH	4TH ECH	5TH ECH		
									100 EQUIPMENTS				
					4401 - ROTOR ASSEMBLY (cont)								
	X1				BAR: commutator, generator (28835) DW1664			99				24	8
	X1				COLLAR, INSULATION: commutator (28835) DW3420			1				24	11
	X1			6110-371-5446	RING, BRACKET, MOUNTING, VOLTAGE REGULATOR: generator commutator (28835) DW3419			2				24	10
9	X1			3432-315-2015	RING, COMMUTATOR, CLEARANCE (28835) DW3417A			1				24	6

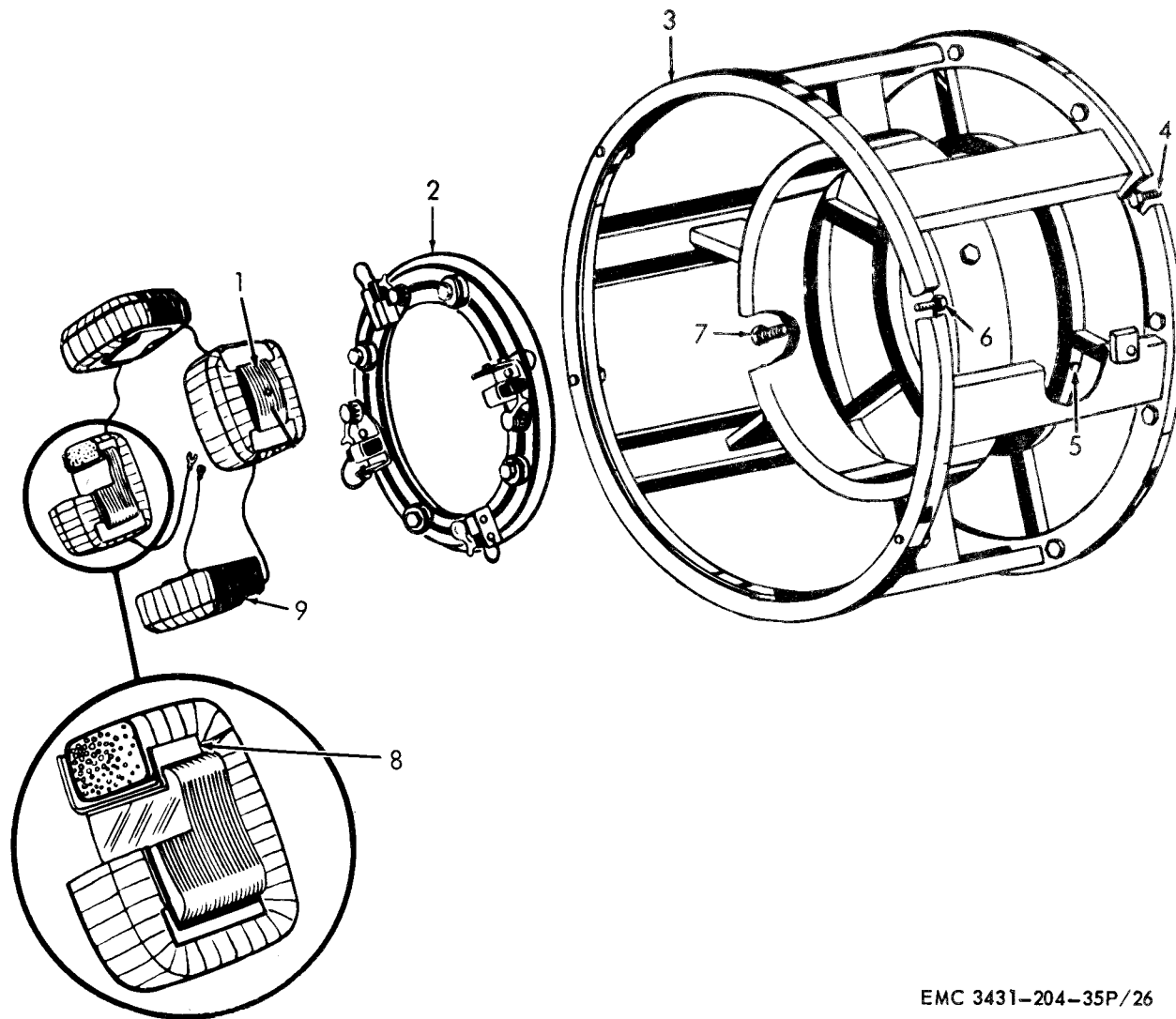
SOURCE CODES

TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVER-ABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDE-BILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUS-TRATIONS		
									15 DAYS FIELD MAINTENANCE 3RD ECH 100 EQUIPMENTS	4TH ECH	DEPOT MAINTENANCE 5TH ECH	FIG NO	ITEM NO	
4401 - ROTOR ASSEMBLY (CONT)														
9	X1			3432-315-2016	RING, COMMUTATOR, TAPPED			1					24	12
	X1				RING, MICA: GENERATOR COMMUTATOR			2					24	7
	X1			5305-276-8375	SCREW, CAP, SOCKET HEAD: COMMUTATOR RING, 3/8-16 THD SIZE, 5 IN. LG			6					24	5
	X1				SEGMENT, MICA: GENERATOR COMMUTATOR			99					24	9
	X2	D		6115-256-3830	COMMUTATOR ASSEMBLY: EXCITER			1			5		24	26
	X1				BAR: COMMUTATOR, EXCITER			131					24	22
	X1				INSULATION: COMMUTATOR EXCITER			1					24	25
	X1				RING, CLEARANCE: COMMUTATOR EXCITER			1					24	24
11	X1			5977-429-0934	RING, HOLDER, ELECTRICAL BRUSH: EXCITER COMMUTATOR			2					24	21
	X1				RING, TAPPED: COMMUTATOR EXCITER			1					24	20
	X1				SEGMENT, MICA: EXCITER COMMUTATOR			131					24	23
9	X2	D		3432-315-2013	DISK, CORE: EXCITER, STEEL			125			*		24	15
	X2	D			DISK, CORE: GENERATOR FIBER			3			*		24	35
	X2	D			DISK, CORE: GENERATOR STICK			237			*		24	30
	X2	H		6150-447-4245	FAN ELECTRICAL ROTATING EQUIPMENT			1		SEE GROUP	4406	SEE GROUP	4406	
	X2	D		4940-794-1200	FLANGE, ARMATURE: GENERATOR			2				*	24	36
9	X2	D		3432-508-1160	FLANGE, CORE EXCITER-ARMATURE			2				*	24	28
	X2	F		6115-447-4253	FLANGE: INSIDE BEARING			1		SEE GROUP	4405	SEE GROUP	4405	
11	X2	D		5970-308-2823	INSULATION, CORE SLOT: GENERATOR			33				*	24	31
	X2	D			INSULATION: CORE SLOT, GENERATOR			33				*	24	32
11	X2	D		5970-429-0954	INSULATION DISK: CORE, EXCITER, FIBER			2				*	24	16
	X2	D		5970-096-5990	INSULATOR: EXCITER, BETWEEN COIL			33				*	24	19
	X2	D		5970-096-5991	INSULATOR: EXCITER CORE SLOT			33				*	24	18
9	X2	D		5315-054-2701	KEY, MACHINE: CORE, GENERATOR, 4 IN. LG, 3/8 IN. SQ			1				*	24	37
	X2	F		5310-208-6540	NUT, PLAIN, HEXAGON: ARMATURE SHAFT, 1 9/16-14 THD SIZE			1		*	*	*	24	1
	P1	F		5330-247-5998	PACKING, PREFORMED: GREASE, BEARING			1		SEE GROUP	4405	SEE GROUP	4405	
	X2	D		4940-793-7795	SHAFT, ARMATURE			1				*	24	27
	X2	D		4940-793-7795	WEDGE: CORE SLOT, GENERATOR			66				*	24	34
	X2	D		6150-390-3378	WEDGE, ELECTRICAL WINDING: EXCITER CORE			33				*	24	14
	X2	D		6115-429-0993	WINDING, GENERATOR FIELD: EXCITER			33				*	24	17
9	X2	F		5315-054-2697	KEY, MACHINE: ARMATURE SHAFT TO DRIVING FLANGE, 3 IN. LG, 3/8 IN. SQ			1		*	*	*	29	23
4402 - STATOR ASSEMBLY														
11	X2	F		5940-374-5058	CLIP, ELECTRICAL: GENERATOR INTERPOLE LEAD			3		*	*	*	25	16
	P1	F		6115-354-2320	COIL: GENERATOR FIELD, UPPER LEFT HAND			1		*	*	5	25	11
11	X2	F		5935-374-5055	CONNECTOR, PLUG, ELECTRICAL: GENERATOR WINDING LEADS TO 10 RANGE SWITCH, 1 CONTACT			3		*	*	*	25	13
11	P1	F		5970-371-5455	INSULATOR, BUSHING: GENERATOR FIELD COIL LEADS			4		*	*	20	25	7



INDEX TO PARTS, FIGURE 26

Reference Number	Functional Group	Item Name
1	4402	POLE PIECE
2	4403	HOLDER AY
3	4405	HOUSING
4	4405	SCREW
5	4403	SETSCREW
6	4405	SCREW
7	4402	SCREW
8	4402	INSULATOR
9	4402	WINDING



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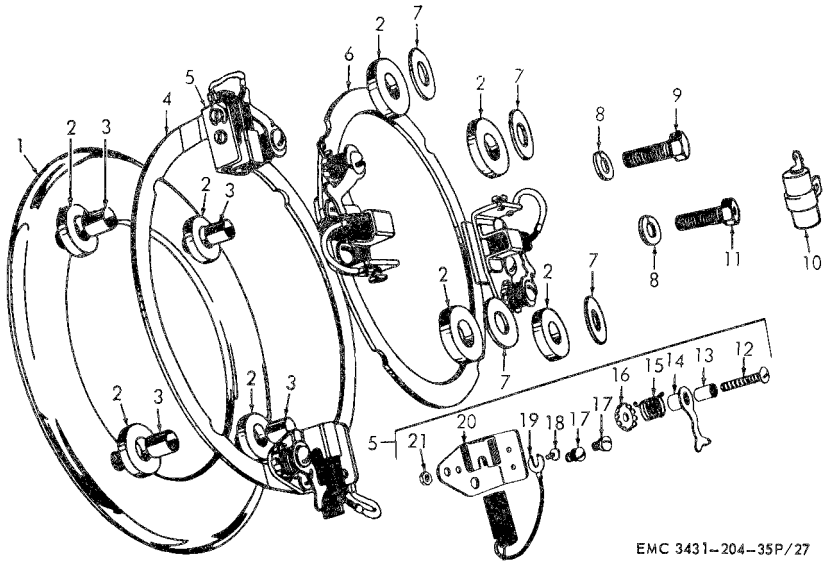
Figure 26. Exciter Housing.

SOURCE CODES

TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVER- ABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDE- BILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUS- TRATIONS	
									15 DAYS FIELD MAINTENANCE 3RD ECH	4TH ECH	DEPOT MAINTENANCE 5TH ECH	FIG NO	ITEM NO
4402 - STATOR ASSEMBLY (CONT)													
11	P1	F		5970-301-3840	INSULATOR, PLATE: EXCITER POLE PIECE			4	*	*	20	26	8
11	P	F		5970-374-5072	INSULATOR, PLATE: GENERATOR FIELD, INTERPOLE			8	*	*	40	25	21
11	P1	F		5970-390-8870	INSULATOR, PLATE: GENERATOR FIELD, INTERPOLE PIECE			4	*	*	20	25	19
11	P1	F		5970-374-5057	INSULATOR, PLATE: GENERATOR FIELD, LOWER RIGHT HAND								
					COMPOUND LEAD			1	*	*	5	25	32
11	P1	F		5970-447-4244	INSULATOR, PLATE: GENERATOR FIELD POLE PIECE WRAPPER, BETWEEN POLE PIECE AND SHUNT FIELD			2	*	*	10	25	23
					INSULATOR, PLATE: GENERATOR FLUX RING, BETWEEN RING END SHUNT FIELDS			8	3	*	80	25	25
11	P	F		5970-447-4193	INSULATOR, PLATE: GENERATOR TOE PROTECTION			16	3	*	80	25	22
	X2	F			POLE PIECE: EXCITER			4	*	*	*	26	1
	X2	F		5999-794-1255	POLE PIECE: GENERATOR PLUGHAT			4	*	*	*	25	24
	X2	F		6115-213-1216	POLE PIECE, MAGNET: GENERATOR FIELD			4	*	*	*	25	20
9	X2	F		5305-010-0137	SCREW, CAP, HEXAGON HEAD: GENERATOR INTERPOLE PIECE MTG, 3/8-16 THD SIZE; 1 3/4 IN. LG			8	*	*	*	25	6
9	X2	F		5305-021-7023	SCREW, CAP, HEXAGON HEAD: GENERATOR POLE PIECE MTG, 3/8-16 THD SIZE, 2 IN. LG			8	*	*	*	25	8
9	X2	F		5305-639-4739	SCREW, MACHINE: EXCITER POLE PIECE MTG, PASSIVATED FINISH; 3/8-16 THD SIZE; 1 1/2 IN. LG			8	*	*	*	26	7
11	X2	F		5995-429-0927	TERMINAL, LEAD: GENERATOR FIELD COIL TO 10 RANGE SWITCH	(28835)	AW199	6	*	*	*	25	12
	X2	F		6115-354-2324	WINDING, ENERATOR FIELD: EXCITER	(28835)	DW2072	4	*	*	20	26	9
	X2	F		6115-354-2321	WINDING, GENERATOR FIELD: GENERATOR FIELD, LOWER RIGHT HAND	(28835)	DW1647B	1	*	*	5	25	18
	X2	F		6115-354-2323	WINDING, GENERATOR FIELD: GENERATOR FIELD, 300 AMP	(28835)	DW1754	2	*	*	10	25	15
	X2	F		6115-354-2317	WINDING, GENERATOR FIELD: INTERPOLE, LEFT SIDE	(28835)	DW1080A	1	*	*	5	25	26
	X2	F		6115-354-2316	WINDING, GENERATOR FIELD: INTERPOLE, RIGHT SIDE AND BOTTOM	(28835)	DW1079A	2	*	*	10	25	17
	X2	F		6115-239-5924	WINDING, GENERATOR FIELD: INTERPOLE, TOP	(28835)	DW1227A	1	*	*	5	25	14
4403 - BRUSH HOLDER ASSEMBLY													
	X2	F			HOLDER ASSEMBLY: ELECTRICAL CONTACT BRUSH, EXCITER	(28835)	DW3220	1	*	*	*	26	2
	X2	F		5306-024-2197	BOLT, MACHINE: EXCITER BRUSH HOLDER RING MTG	(28835)	DW3377	2	*	*	*	27	11
11	P	0		5910-127-8448	CAPACITOR, FIXED, PAPER, DIELECTRIC: GENERATOR EXCITER BRUSH, NO. F, 0.1 UF	(28835)	DW5133A	2	SEE GROUP	4414	SEE GROUP 4414		
11	P1	F		5977-249-5768	HOLDER, ELECTRICAL CONTACT BRUSH: EXCITER BRUSH	(28835)	DW1695	4	*	*	20	27	5
11	X2	F		5977-429-0988	ARM AND HUB, TENSION FINGER: EXCITER BRUSH GUIDE	(28835)	DW1912	4	*	*	*	27	14
11	P	0		5977-447-4229	BRUSH, ELECTRICAL CONTACT: EXCITER (MINIMUM STOCKAGE OF 4 IS AUTHORIZED)	(28835)	DW1691	4	4	*	400	27	19
11	X2	F		5977-447-4202	BUSHING, SLEEVE ARM: EXCITER BRUSH GUIDE	(28835)	AW667	4	*	*	80	27	13
	X2	F			GUIDE, EXCITER BRUSH	(28835)	DW1693	4	*	*	*	27	20

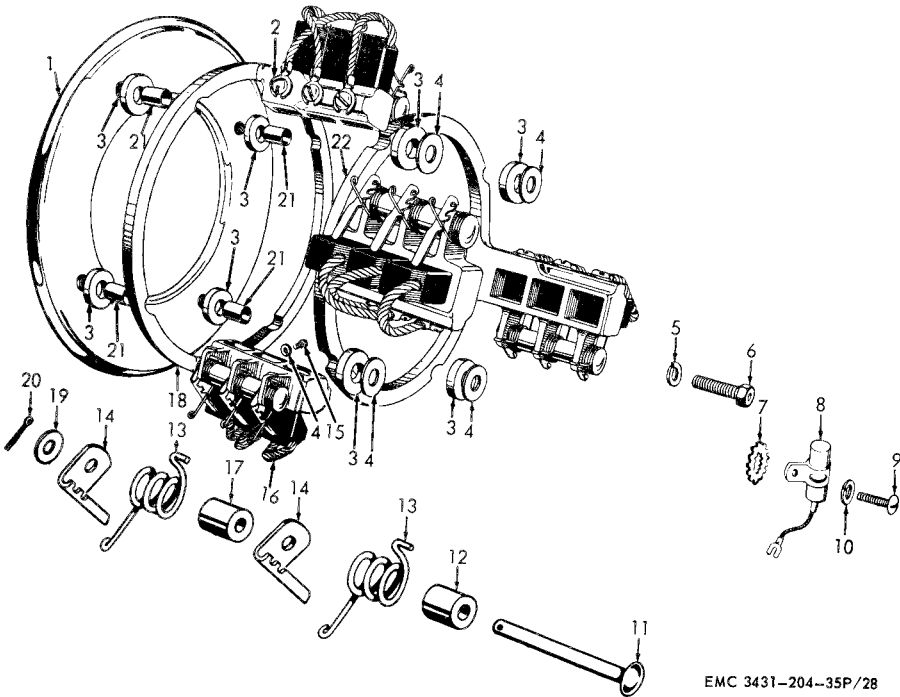
INDEX TO PARTS, FIGURE 27

Reference number	Functional Group	Item Name
1	4403	RING
2	4403	WASHER
3	4403	INSULATOR
4	4403	RING
5	4403	HOLDER
6	4403	RING
7	4403	WASHER
8	4403	WASHER
9	4403	SCREW
10	4414	CAPACITOR
11	4403	BOLT
12	4403	SCREW
13	4403	BUSHING
14	4403	ARM AND HUB
15	4403	SPRING
16	4403	WASHER
17	4403	SCREW
18	4403	SCREW
19	4403	BRUSH
20	4403	GUIDE
21	4403	NUT



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Figure 27. Exciter Brush Holder.



EMC 3431-204-35P/28

Figure 28. Generator Brush Holder.

INDEX TO PARTS, FIGURE 28

Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name
1	4403	PLATE	9	4414	SCREW	16	4403	BRUSH
2	4403	SCREW	10	4414	WASHER	17	4403	COLLAR
3	4403	WASHER	11	4403	RIVET	18	4403	RING
4	4403	WASHER	12	4403	COLLAR	19	4403	WASHER
5	4403	WASHER	13	4403	SPRING	20	4403	PIN
6	4403	BOLT	14	4403	ARM	21	4403	INSULATOR
7	4414	WASHER	15	4403	SCREW	22	4403	RING
8	4414	CAPACITOR						

SOURCE CODES

TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVER-ABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDA-BILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUS-TRATIONS	
									15 DAYS FIELD MAINTENANCE 3RD ECH	4TH ECH	DEPOT MAINTENANCE 5TH ECH	FIG NO	ITEM NO
4403 - BRUSH HOLDER ASSEMBLY (CONT)													
9	X2	F		5310-010-9084	NUT, PLAIN, HEXAGON: EXCITER BRUSH SPRING AND ARM MTG SCREW, 1/4-20 THD SIZE			4	*	*	*	27	21
9	X2	F		5305-275-9837	SCREW, MACHINE: EXCITER BRUSH QUIDE MTG, 1/4-20 THD SIZE, 3/8 IN. LG			8	*	*	*	27	17
9	X2	F		5305-011-3958	SCREW, MACHINE: EXCITER BRUSH SPRING AND ARM MTG, 1/4-20 THD SIZE; 7/8 IN. LG			4	*	*	*	27	12
9	X2	0		5305-011-1684	SCREW, TAPPING, THREAD FORMING: EXCITER BRUSH PIG TAIL MTG, CADMIUM OR ZINC PLATED; NO. 8-15 THD SIZE; 3/8 IN. LG			8	*	*	*	27	18
11	P	F		5977-371-5501	SPRING, HELICAL, TORSION: EXCITER BRUSH GUIDE		(28835) W799D91	4	1	*	80	27	15
9	X2	F		5310-010-3319	WASHER, LOCK: EXCITER BRUSH SPRING ADJUSTMENT		(28835) AW638	4	*	*	*	27	16
9	X2	F		5310-010-3319	WASHER, LOCK: EXCITER BRUSH GUIDE MTG SCREW, 0.255 IN. ID, 0.493 IN. OD, 0.062 IN. THK			8	*	*	*		
11	X2	F		5970-312-8698	INSULATOR, BRUSH HOLDER STUD: EXCITER, BETWEEN FIBER WASHER AND OUTER BRUSH HOLDER RING		(28835) AW626	4	*	*	80	27	3
11	X2	F		5977-447-4203	RING, HOLDER, ELECTRICAL BRUSH: EXCITER		(28835) AW671	1	*	*	*	27	1
11	X2	F		5977-374-5043	RING, HOLDER, ELECTRICAL BRUSH: EXCITER, INNER		(28835) AW630	1	*	*	*	27	6
11	X2	F		5977-496-5178	RING, HOLDER: EXCITER, OUTER		(28835) AW631	1	*	*	*	27	4
9	X2	0		5305-021-4389	SCREW, CAP, HEXAGON HEAD: EXCITER BRUSH HOLDER RING MTG, 3/8-16 THD SIZE, 1 1/4 IN. LG			2	*	*	*	27	9
9	X2	F		5305-011-0499	SCREW, MACHINE: EXCITER BRUSH HOLDER CAPACITOR MTG, NO. 10-24 THD SIZE, 3/8 IN. LG			2	SEE GROUP 4414		SEE GROUP 4414		
9	X2	F		5310-044-6362	WASHER, FLAT: EXCITER BRUSH HOLDER RING MTG SCREWS: 3/8 IN. ID, 7/8 IN. OD, 3/32 IN. THK			4	*	*	*	27	7
9	X2	0		5310-010-6497	WASHER, LOCK: EXCITER BRUSH HOLDER CAPACITOR MTG SCREW, 0.194 IN. ID, 0.337 IN. OD, 0.047 IN. THK			2	SEE GROUP 4414		SEE GROUP 4414		
9	X2	0		5310-017-3122	WASHER, LOCK: EXCITER BRUSH HOLDER CAPACITOR MTG SCREW, 0.200 IN. ID, 0.595 IN. OD, 0.031 IN. THK			2	SEE GROUP 4414		SEE GROUP 4414		
9	X2	F		5310-261-7340	WASHER, LOCK: EXCITER BRUSH HOLDER RING MTG SCREW, 0.382 IN. ID, 0.688 IN. OD, 0.094 IN. THK			4	*	*	*	27	8
	X2	F		5330-202-1386	WASHER, NONMETALLIC: INSULATOR BETWEEN MOUNT PLATE, AND OUTER BRUSH HOLDER RING, AND BETWEEN INNER BRUSH HOLDER RING AND MOUNT PLATE SCREW		(28835) A25	8	SEE GROUP 9901		SEE GROUP 9901	27	2
11	X2	F		5977-354-2328	HOLDER ASSEMBLY, ELECTRICAL CONTACT: BRUSH, GENERATOR		(28835) DW3226	1	*	*	*	25	10
11	X2	F		5977-447-4217	ARM, ELECTRICAL CONTACT BRUSH		(28835) B1203	12	*	*	*	28	14
	X2	F		5306-024-2196	BOLT, MACHINE: TAPPED CAP: CADMIUM PLATED, 3/8-16 THD SIZE, 1 1/2 IN. LG CAP TAPPED FOR NO. 10-24 THD SIZE, 3/8 IN. DEEP		(28835) DW3238	4	*	*	*	28	6
11	P	0		5977-284-9901	BRUSH, ELECTRICAL CONTACT: 1 3/4 IN. X 1 IN. X 3/4 IN. (MINIMUM STOCKAGE OF 12 IS AUTHORIZED)		(28835) AW103	12	12	*	1200	28	16
11	X2	F		5977-429-0941	COLLAR, BRUSH HOLDER		(28835) A28	4	*	*	*	28	12

INDEX TO PARTS, FIGURE 29

Reference Number	Functional Group	Item Name
1	4404	BOLT
2	4404	WASHER
3	4404	SETSCREW
4	4404	SCREW
5	4404	WASHER
6	4404	DISK
7	4404	HUB
8	4404	WIRE
9	4404	DISK
10	4404	FLANGE AY
11	0103	WASHER
12	0103	NUT
13	0100	SCREW
14	0100	WASHER
15	0100	WASHER
16	0100	NUT
17	0102	STUD
18	1700	FASTENER
19	0103	HOUSING
20	0103	GEAR
21	0103	FLYWHEEL AY
22	0103	WASHER
23	4401	KEY
24	0103	NUT
25	0103	SCREW
26	0103	WASHER

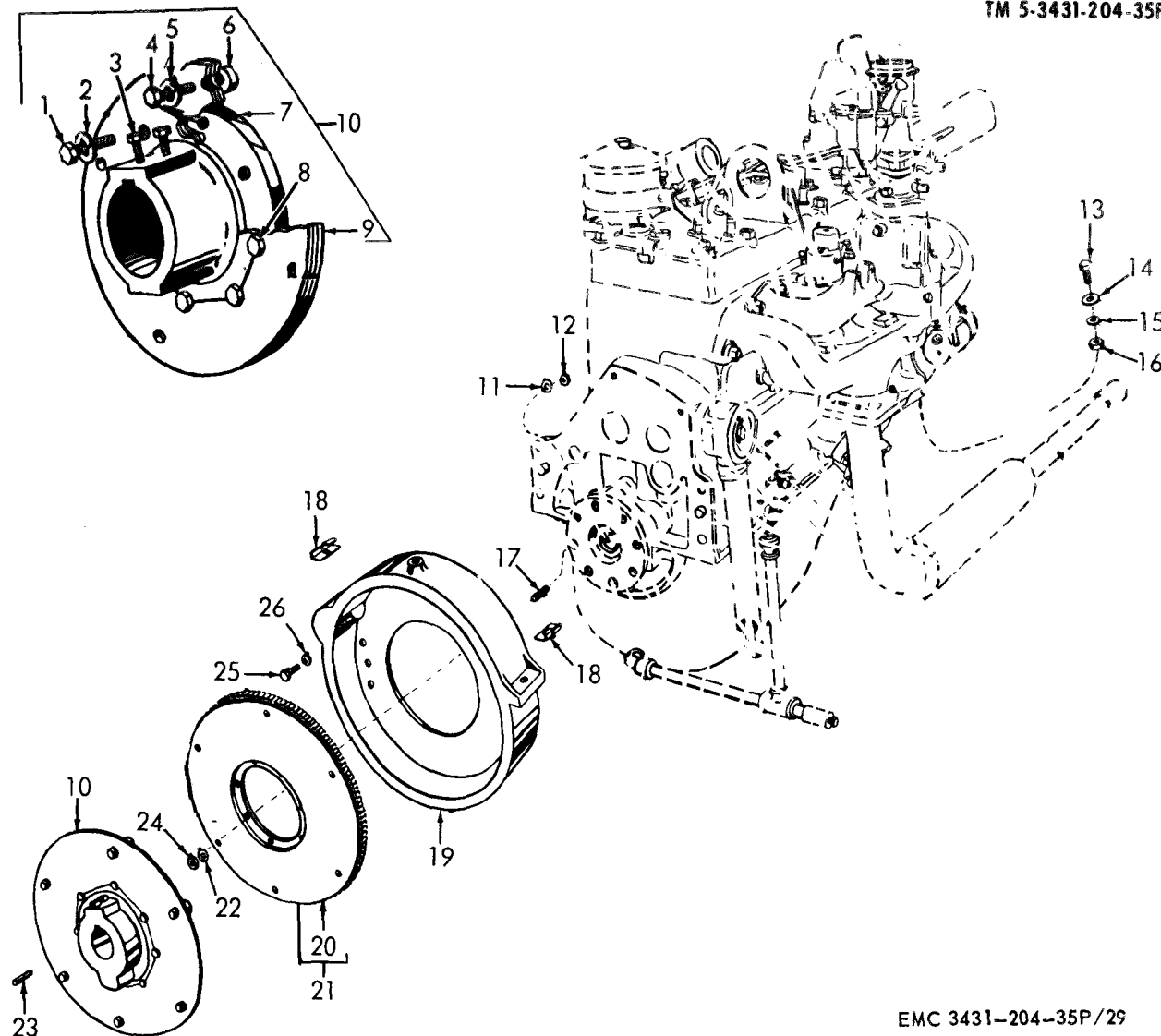
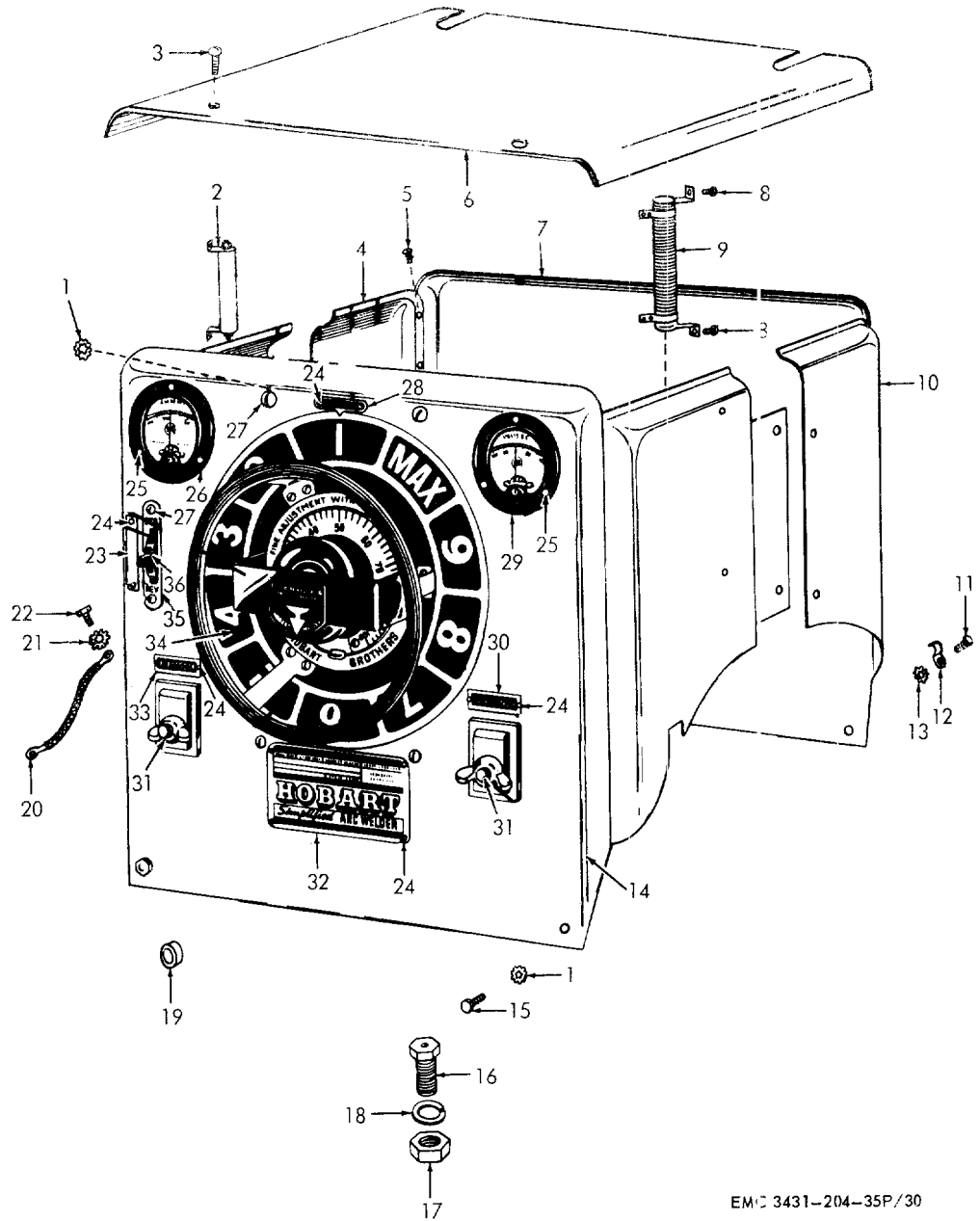


Figure 29. Coupling, Flywheel, and Housing.





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Figure 30. Control Panel.

INDEX TO PARTS, FIGURE 30

Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name
1	4407	WASHER	13	4407	WASHER	25	4407	SCREW
2	1411	RESI STOR	14	4407	PANEL	26	4407	AMMETER
3	1407	SCREW	15	4407	SCREW	27	4410	SCREW
4	4407	PANEL	16	4407	SCREW	28	2210	PLATE
5	4407	SCREW	17	4407	NUT	29	4407	VOLTMETER
6	4407	PANEL	18	4407	WASHER	30	2210	PLATE
7	4407	PANEL	19	4407	SPACER	31	4408	CLAMP
8	4411	SCREW	20	4414	LEAD	32	2210	PLATE
9	4411	RESI STOR	21	4414	WASHER	33	2210	PLATE
10	4407	PANEL	22	4414	SCREW	34	4410	RESI STOR
11	4407	SCREW	23	2210	PLATE	35	2210	PLATE
12	4407	CLAMP	24	2210	SCREW	36	4410	SWITCH

SOURCE CODES

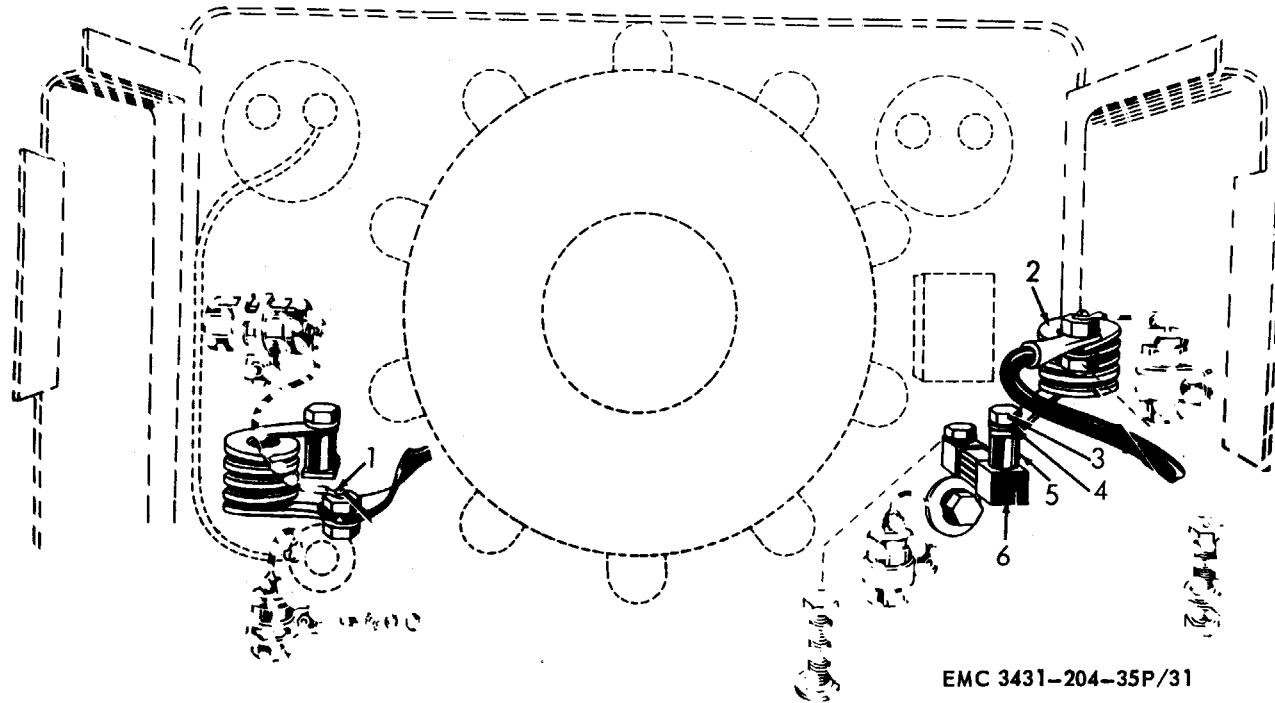
TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVER-ABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDA-BILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUS-TRATIONS		
									15 DAYS FIELD MAINTENANCE 3RD ECH	4TH ECH	DEPOT MAINTENANCE 5TH ECH	FIG NO	ITEM NO	
					4404 - DRIVE COMPONENTS (CONT)									
	M	F			WIRE, LOCK: FLEXIBLE DISK AND COUPLING HUB SCREW LOCK			1						
					MANUFACTURE FROM:									
	P	F		9505-198-9104	WIRE, STEEL, CARBON: 0.047 IN. DIA (22 IN. REQUIRED)		"A"							
	X2	F			FLANGE ASSEMBLY: FLEXIBLE DRIVE	CL	"B" (28835) DW905A	1	*	*	1		29	10
9	X2	F		5306-017-9814	BOLT, MACHINE: HUB TO FLEXIBLE DISK, 5/16-18 THD SIZE, 5/8 IN. LG		"B" (28835) DW3146	8	*	*	*		29	1
9	X2	F		3432-393-6595	DISK, FLEXIBLE COUPLING: W/SPACERS		"B" (28835) DW3157	1	*	*	*		29	6
	X2	F		3431-613-2100	DISK: FLEXIBLE, W/O SPACERS		"B" (28835) DW3127	1	*	*	*		29	9
9	X2	F		3432-354-2327	HUB, COUPLING		"B" (28835) DW3126	1	*	*	*		29	7
9	X2	F		5305-010-0136	SCREW, CAP, HEXAGON HEAD: FLEXIBLE DISK TO FLYWHEEL MTG, 3/8-16 THD SIZE, 1 1/2 IN. LG		"B"	6	*	*	*		29	4
9	X2	F		5305-010-2599	SETScrew: ROTOR SHAFT TO DRIVING FLANGE KEY, 3/8-16 THD SIZE, 1 1/2 IN. LG		"B"	2	*	*	*		29	3
9	X2	F		5310-261-7340	WASHER, LOCK: FLEXIBLE DISK TO FLYWHEEL MTG SCREW, 0.382 IN. ID, 0.688 IN. OD, 0.094 IN. THK		"B"	6	*	*	*		29	5
9	X2	F		5310-010-3320	WASHER, LOCK: HUB TO FLEXIBLE DISK MTG SCREW, 0.319 IN. ID, 0.591 IN. OD, 0.078 IN. THK		"B"	8	*	*	*		29	2
	P	F		9505-198-9104	MANUFACTURE FROM:		"B"				1			
	M	F			WIRE, STEEL, CARBON (22 IN. REQUIRED)	CL	"B"		*	*				
					WIRE, LOCK: FLEXIBLE DISK AND COUPLING HUB SCREW LOCK		"B"	1					29	8
					4405 - FRAME SUPPORT, HOUSING, CARRIER ETC.									
9	X2	F		3110-144-8664	BEARING, BALL ANNULAR: ROTOR SHAFT		(28835) DW1906	1	*	*	*		24	2
9	X2	F		5306-261-1854	BOLT, MACHINE: BEARING CAP MTG, 5/16-18 THD SIZE; 2 IN. LG		(28835) DW882B	3	*	*	*		25	28
	X2	F			CAP, BEARING, OUTER		(28835) DW455	1	*	*	*		25	30
	X2	F			COVER, LOUVER		(28835) DW455	1	*	*	*		25	1
	X2	F		4730-732-3829	CUP, LUBRICATION: BRASS, 1/8-27 THD SIZE, NO. 000		(28835) D285	1	*	*	*		25	29
	X2	F		6115-447-4253	FLANGE, INSIDE BEARING		(28835) DW883	1	*	*	*		24	3
	P1	F		3431-447-4250	GASKET: BEARING CAP, GENERATOR		(28835) DW1709M	1	*	*	100		25	31
	X2	F			HOUSING, EXCITER		(28835) DW737	1	*	*	*		26	3
	X2	F			HOUSING, GENERATOR		(28835) DW737	1	*	*	*		25	9
9	X2	F		5310-010-9084	NUT, PLAIN, HEXAGON: LOUVER COVER SCREWS: 1/4-20 THD SIZE		(28835) C65	2	*	*	*		25	4
	P1	F		5330-247-5998	PACKING, PREFORMED: GREASE, BEARING		(28835) C65	1	*	*	100		24	4
9	X2	F		5305-010-0162	SCREW, CAP, HEXAGON HEAD: GENERATOR MTG TO SKID, 1/2-13 THD SIZE, 2 IN. LG			2	*	*	*		23	14
9	X2	F		5305-017-5238	SCREW, MACHINE: EXCITER HOUSING TO FLYWHEEL HOUSING, CADMIUM OR ZINC PLATED; 3/8-16 THD SIZE; 1 IN. LG			12	*	*	*		26	4



	X2	F		SCREW, MACHINE, HEXAGON HEAD: EXCITER HOUSING TO GENERATOR HOUSING (28835) 65-5-12	4	*	*	*	26	6
9	X2	F	5305-017-8428	SCREW, MACHINE: LOUVER COVER, PASSIVATED FINISH: 1/4-20 THD SIZE: 1/2 IN. LG	2	*	*	*	25	2
9	X2	F	5305-011-3961	SCREW, MACHINE: LOUVER COVER, 1/4-20 THD SIZE, 1 1/4 IN. LG	2	*	*	*	25	5
	X2	F	5310-044-6220	WASHER, FLAT: GENERATOR MTG SCREW, 1/2 IN. ID, 1 1/8 IN. OD, 0.083 IN. THK	2	*	*	*	23	15
9	X2	F	5310-010-3323	WASHER, LOCK: GENERATOR MTG SCREW, HEAVY, 0.509 IN. ID, 0.879 IN. OD, 0.125 IN. THK	2	*	*	*	23	16
9	X2	F	5310-017-3124	WASHER, LOCK: LOUVER COVER, 0.262 IN. ID, 0.742 IN. OD, 0.036 IN. THK	2	*	*	*	25	3
				4406 - VENTILATING, COOL SYSTEM						
	X2	H	6150-447-4245	FAN, ELECTRIC ROTATING, EQUIPMENT (28835) DW513	1	*	*	*	24	29
				4407 - CONTROL PANELS, HOUSING, CUBICLES						
11	P1	O	6625-254-5229	AMMETER: AUXILIARY CONTROL PANEL, 0-50 DC (28835) DW1901	1	*	*	5	32	30
11	P1	O	6625-252-5549	AMMETER: GENERATOR, 400-0-400 DC (28835) BW714A	1	*	*	5	30	26
9	X2	F	5306-022-7748	BOLT, MACHINE: AUXILIARY CONTROL PANEL MTG, CADMIUM OR ZINC PLATED: 5/16-18 THD SIZE: 3/4 IN. LG	1	*	*	*	32	15
	X2	F		CLAMP: CONTROL PANEL CABLE "B" (28835) 50MS306	2	*	*	*	30	12
	X2	F	5950-371-5445	COIL, RADIO FREQUENCY: AMMETER AND VOLTMETER (28835) DW3236	2	*	*	*	31	2
9	X2	F	5310-010-9084	NUT, PLAIN, HEXAGON: AUXILIARY CONTROL MTG SCREW, 1/4-20 THD SIZE	2	*	*	*	32	28
9	X2	F	5310-010-2637	NUT, PLAIN, HEXAGON: REACTOR SCREW, 1/2-13 THD SIZE	2	*	*	*	30	17
	X2	F	3431-802-6793	PANEL, AUXILIARY CONTROL "B" (28835) DW5091	1	*	*	*		
	X2	F		PANEL, AUXILIARY CONTROL "A" (28835) 3DW261	1	*	*	*	32	1
	X2	F		PANEL, CONTROL BOX: END, LEFT REAR "B" (200835) DW6292C	1	*	*	*	30	4
	X2	F		PANEL, CONTROL BOX: END, RIGHT REAR "B" (28835) DW6292D	1	*	*	*	30	10
	X2	F	3431-802-6794	PANEL, CONTROL BOX: FRONT "B" (28835) DW6262A	1	*	*	*	30	14
	X2	F		PANEL, CONTROL BOX: FRONT "A" (28835) 3DW25B	1	*	*	*		
	X2	F		PANEL, CONTROL BOX: REAR "B" (28835) DW1067	1	*	*	*	30	7
	X2	F		PANEL, CONTROL BOX: TOP (28835) DW3708	1	*	*	*	30	6
	X2	F	6110-429-0963	PANEL, MOUNTING: REAR "B" (28835) DW1071	1	*	*	*		
9	X2	F	5305-010-0161	SCREW, CAP, HEXAGON HEAD: AMMETER SHUNT AND REACTOR COIL MTG, 1/2-13 THD SIZE: 1 3/4 IN. LG	2	*	*	*	31	3
9	X2	F	5305-017-9881	SCREW, CAP, HEXAGON HEAD: REACTOR CIOL TO AMMETER AND VOLTMETER, 1/2-13 THD SIZE: 2 IN. LG (28835) DW3334	2	*	*	*	30	16
9	X2	F	5305-042-7237	SCREW, CAP, HEXAGON HEAD: VOLTMETER SHUNT, CADMIUM OR ZINC PLATED: 1/4-20 THD SIZE: 3/8 IN. LG	2	*	*	*	32	5
9	X2	F	5305-011-3957	SCREW, MACHINE: AUXILIARY CONTROL PANEL MTG, 1/4-20 THD SIZE, 3/4 IN. LG	2	*	*	*	32	3
9	X2	F	5305-016-9702	SCREW, TAPPING, THREAD FORMING: BINDING HEAD: CONTROL PANEL MTG, PARKER KALON, CADMIUM OR ZINC PLATED: NO. 8-32 THD SIZE: 1/2 IN. LG "B"	8	*	*	*	30	5
9	X2	F	5305-011-5138	SCREW, TAPPING, THREAD FORMING: CONTROL PANEL CABLE MTG, PARKER KALON, 5/16-12 THD SIZE: 3/4 IN. LG "B"	2	*	*	*	30	11

## INDEX TO PARTS, FIGURE 31

Reference Number	Functional Group	Item Name
1	4414	SCREW
2	4407	COIL
3	4407	SCREW
4	4407	WASHER
5	4407	SPACER
6	4407	SHUNT



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Figure 31. Shunt and Coil.

SOURCE CODES				FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDABILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUSTRATIONS	
TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVERABILITY						15-DAYS FIELD MAINTENANCE		DEPOT MAINTENANCE	FIG. NO.	ITEM NO.
									3RD ECH	4TH ECH	5TH ECH		
									100 EQUIPMENTS				
					4407 - CONTROL PANELS, HOUSINGS, CUBICLES (cont)								
9	X2	F		5305-044-3552	SCREW, TAPPING, THREAD FORMING: front control panel mtg, 5/16-12 thd size; 3/4 in. lg, cadmium or zinc plated "A"			2	*	*	*	30	15
9	X2	0		5305-282-1041	SCREW, TAPPING, THREAD FORMING: generator ammeter and voltmeter mtg, No. 4-24 thd size; 3/8 in. lg			6	*	*	*	30	25

9	X2	O	5305-218-5869	SCREW, TAPPING, THREAD FORMING: GENERATOR VOLTMETER AND AMMETER MTG. CADMIUM OR ZINC PLATED; NO. 4-24 THD SIZE; 1/2 IN. LG		6	*	*	*	32	29
9	X2	F	5305-282-1071	SCREW, TAPPING, THREAD FORMING: TOP CONTROL PANEL MTG, PARKER KALON, NO. 6-18 THD SIZE; 1/2 IN. LG	"A"	2	*	*	*	30	3
	X2	F	6625-272-9895	SHUNT, INSTRUMENT	(28835) C1142A	1	*	*	*	31	6
	X2	F	6625-447-4239	SHUNT, INSTRUMENT: VOLTMETER, AUXILIARY CONTROL PANEL	(28835) DW1928A	1	*	*	*	32	4
	X2	F	3431-731-8473	SPACER: PANEL TO HOUSING	"B" (28835) AW397	2	*	*	*	30	19
	X2	F		SPACER, REACTOR COIL	(28835) DW3235	2	*	*	*	31	5
11	P1	O	6625-244-5673	VOLTMETER: AUXILIARY GENERATOR CONTROL PANEL	(28835) DW1902	1	*	*	5	32	31
11	P1	O	6625-244-5672	VOLTMETER: GENERATOR, 100-0-100 DC	(28835) BW713A	1	*	*	5	30	29
9	X2	F	5310-274-8797	WASHER, FLAT: AUXILIARY CONTROL PANEL MTG SCREW, 1/4 IN. ID, 1/2 IN. OD, 0.031 IN. THK		1	*	*	*	32	14
9	X2	F	5310-010-3329	WASHER, LOCK: AMMETER SHUNT AND REACTOR COIL MTG SCREW, HEAVY, 0.509 IN. ID, 0.889 IN. OD, 0.151 IN. THK		2	*	*	*	31	4
9	X2	F	5310-017-8535	WASHER, LOCK: AUXILIARY CONTROL PANEL MTG SCREW		1	*	*	*	32	12
9	X2	F	5310-017-3124	WASHER, LOCK: AUXILIARY CONTROL PANEL MTG SCREW, 0.262 IN. ID, 0.742 IN. OD, 0.036 IN. THK		2	*	*	*	32	2
9	X2	F	5310-010-3320	WASHER, LOCK: AUXILIARY CONTROL PANEL MTG SCREW, 0.319 IN. ID, 0.591 IN. OD, 0.078 IN. THK		1	*	*	*	32	13
9	X2	F	5310-017-8535	WASHER, LOCK: CONTROL PANEL CABLE MTG SCREW, 0.326 IN. ID, 0.975 IN. OD, 0.041 IN. THK	"B"	2	*	*	*	30	13
9	X2	F	5310-017-8535	WASHER, LOCK: FRONT CONTROL PANEL MTG SCREW, 0.326 IN. ID, 0.975 IN. OD, 0.041 IN. THK	"A"	2	*	*	*	30	1
9	X2	F	5310-010-3323	WASHER, LOCK: REACTOR SCREW, 0.509 IN. ID, 0.879 IN. OD, 0.125 IN. THK		2	*	*	*	30	18
9	X2	F	5310-010-3319	WASHER, LOCK: VOLTMETER SHUNT, 0.255 IN. ID, 0.493 IN. OD, 0.062 IN. THK		2	*	*	*	32	6
				4408 - CONNECTING DEVICES							
	X2	F	3431-591-1613	BRACKET: TERMINAL BOARD MTG	(28835) 5CW3131	1	*	*	*	35	2
11	X2	O	5975-447-4285	CLAMP, ELECTRICAL: GROUND AND ELECTRODE	(28835) 5CW985	2	*	*	*	30	31
	X2	O		BUS BAR: CABLE CONNECTOR	(28835) 5CW974	2	*	*	*	33	2
11	X2	O	5970-698-7191	INSULATOR, PLATE: BAKELITE	(28835) 5CW975	2	*	*	*	33	3
9	X2	O	5310-010-3131	NUT, PLAIN, WING: CABLE CONNECTING, 1/2-13 THD SIZE	(28835) AW750	2	*	*	*	33	1
9	X2	O	5305-017-9887	SCREW, CAP, HEXAGON HEAD: GROUND AND ELECTRODE CONNECTOR, 1/2-13 THD SIZE; 1 3/4 IN. LG	(28835) AW813	2	*	*	*	33	7
9	X2	O	5310-213-1215	SCREW, MACHINE: VOLTMETER CABLE CONNECTOR WASHER, NO. 6-32 THD SIZE; 3/16 IN. LG		2	*	*	*	33	8
9	X2	O	5310-010-3323	WASHER, FLAT: VOLTMETER CONNECTION	(28835) AW368	2	*	*	*	33	5
	X2	O	5330-429-1034	WASHER, LOCK: CONNECTOR SCREW, 0.509 IN. ID, 0.879 IN. OD, 0.125 IN. THK		2	*	*	*	33	6
	X2	O		WASHER, NONMETALLIC: CONNECTOR SCREW, 27/32 IN. ID, 1 5/8 IN. OD, 1/4 IN. THK	(28835) 5CW976	4	*	*	*	33	4
11	X2	O	5935-230-1482	CONNECTOR, RECEPTACLE, ELECTRICAL: AUXILIARY CONTROL PANEL, DOUBLE THREE POLE OUTLET, 15 AMP, 125V	(28835) GE2989	2	*	*	*	32	20
9	X2	F	5310-275-1706	NUT, PLAIN, HEXAGON: TERMINAL BOARD MTG SCREW, NO. 6-32 THD SIZE		2	*	*	*		

INDEX TO PARTS, FIGURE 32

Reference Number	Functional Group	Item Name
1	4407	PANEL
2	4407	WASHER
3	4407	SCREW
4	4407	SHUNT
5	4407	SCREW
6	4407	WASHER
7	4402	GAGE
8	4402	COUPLING
9	4402	ELBOW
10	4402	INVERTED NUT
11	4402	TUBE
12	4407	WASHER
13	4407	WASHER
14	4407	WASHER
15	4407	BOLT
16	4408	NUT
17	2210	TRANSFER
18	2210	SCREW
19	2210	PLATE
20	4408	CONNECTOR
21	4408	SCREW
22	4408	STUD
23	2210	PLATE
24	4411	HANDWHEEL
25	2210	PLATE
26	2210	SCREW
27	4411	SETScrew
28	4407	NUT
29	4407	SCREW
30	1407	AMMETER
31	4407	VOLTMETER
32	4702	THERMOMETER
33	0607	AMMETER
34	0607	SWITCH
35	0607	SWITCH
36	0607	SWITCH
37	4410	SWITCH
38	2210	PLATE
39	4410	CIRCUIT BREAKER
40	4410	SCREW
41	4411	WASHER
42	4411	SCREW
43	0312	CONTROL AV

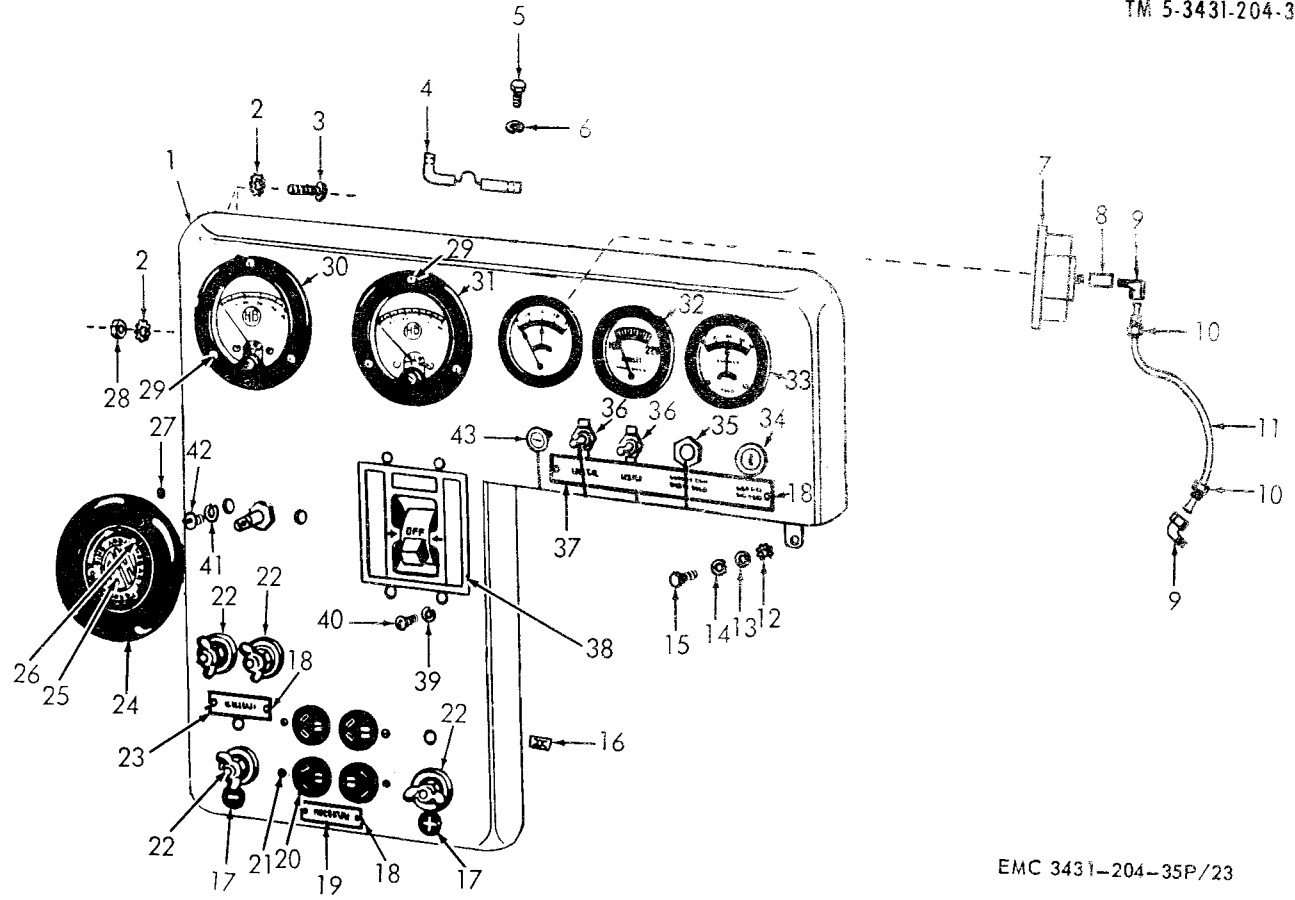


Figure 32. Auxiliary Control Panel.

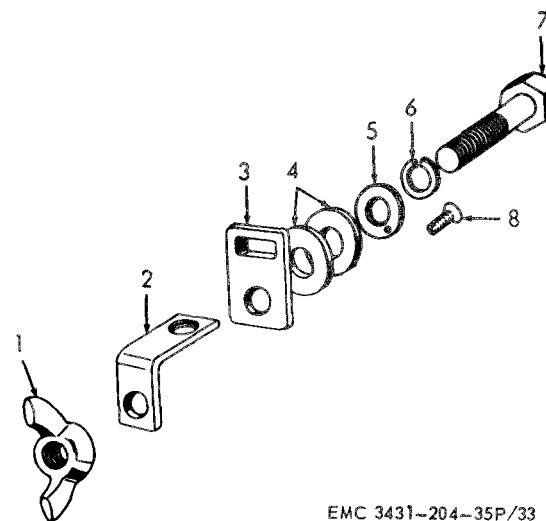
INDEX TO PARTS, FIGURE 32 (cont)

Reference Number	Functional Group	Item Name
36	4410	SWITCH
37	2210	PLATE
38	4410	CIRCUIT BREAKER
39	4410	WASHER
40	4410	SCREW
41	4411	WASHER
42	4411	SCREW
43	0312	CONTROL AV

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INDEX TO PARTS, FIGURE 33

Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name
1	4408	NUT	5	4408	WASHER
2	4408	BUS BAR	6	4408	WASHER
3	4408	INSULATOR	7	4408	SCREW
4	4408	WASHER	8	4408	SCREW

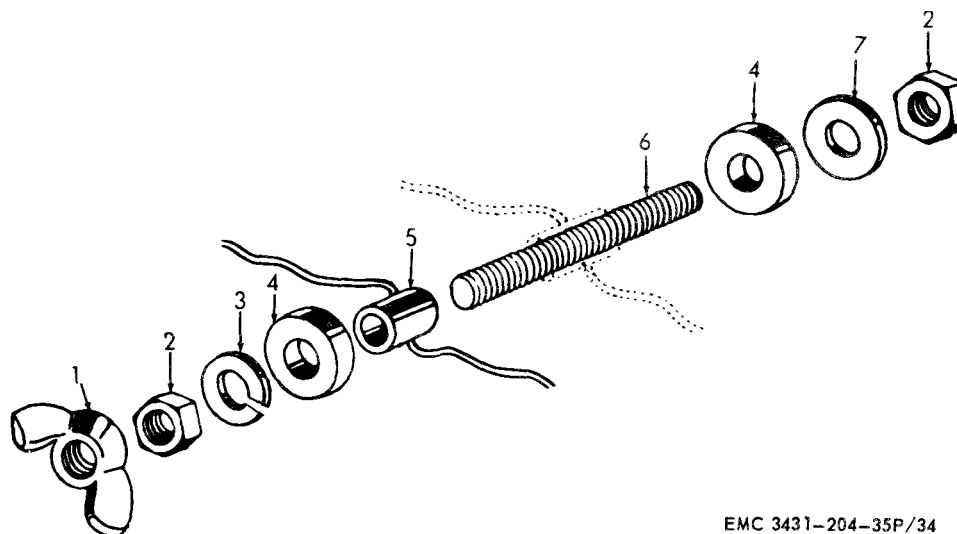


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Figure 33. Connecting Device (1).

INDEX TO PARTS, FIGURE 34

Reference Number	Functional Group	Item Name
1	4408	NUT
2	4408	NUT
3	4408	WASHER
4	4408	WASHER
5	4408	INSULATOR
6	4408	STUD
7	4408	WASHER

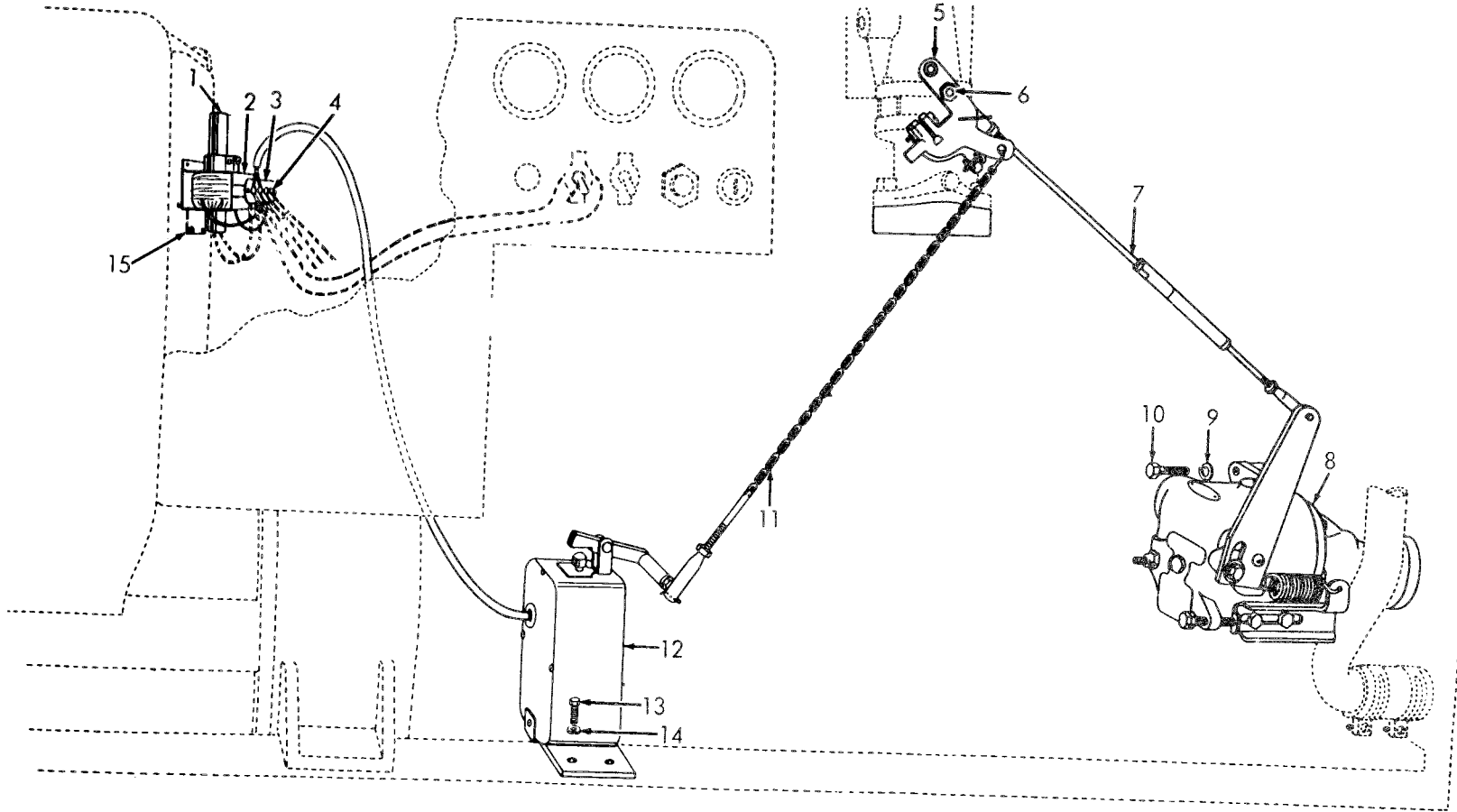


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Figure 34. Connecting Device (2).

SOURCE CODES

TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVER-ABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPEN- DABILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUS-TRATIONS		
									15 DAYS FIELD MAINTENANCE 3RD ECH 100 EQUIPMENTS	4TH ECH	DEPOT MAINTENANCE 5TH ECH	FIG NO	ITEM NO	
4408 - CONNECTING DEVICES (CONT)														
9	X2	O		5310-017-3771	NUT, STAMPED: RECEPTACLE MTG, CADMIUM OR ZINC PLATED; NO. 6-32 THD SIZE			4	*	*	*		32	16
9	X2	O		5305-010-0737	SCREW, MACHINE: RECEPTACLE MTG, NO. 6-32 THD SIZE; 3/8 IN. LG	(28835) A610-432-1		4	*	*	*		32	21
9	X2	F			SCREW, MACHINE: TERMINAL BOARD BRACKET MTG (SUPPLIED UNDER STOCK NO. 5305-010-0737)			2	*	*	*		35	4
9	X2	F		5305-016-9448	SCREW, TAPPING, THREAD FORMING: TERMINAL BLOCK MTG, TYPE T, CADMIUM OR ZINC PLATED; NO. 6-32 THD SIZE; 1/4 IN. LG			2	*	*	*			
	X2	O		5307-272-7097	STUD, CONTINUOUS THREAD: CONTROL PANEL, 6V, 110V, CADMIUM PLATED; 1/4-20 THD SIZE; 2 1/4 IN. LG	(28835) CW1120A		4	*	*	*		32	22
	X2	O			INSULATOR, BUSHING, FIBER: TERMINAL STUD	(28835) 1704		4	*	*	*		34	5
9	X2	O		5310-010-9084	NUT, PLAIN, HEXAGON: TERMINAL STUD, 1/4-20 THD SIZE			8	*	*	*		34	2
9	X2	O		5310-010-3127	NUT, PLAIN, WING: TERMINAL STUD, 1/4-20 THD SIZE	(28835) DW2078		4	*	*	*		34	1
9	X2	O		5310-274-8797	STUD: TERMINAL WASHER, FLAT: TERMINAL STUD, 1/4 IN. ID, 1/2 IN. OD, 0.031 IN. THK	(11349) C20534-1		4	*	*	*		34	6
9	X2	O		5310-011-4604	WASHER, LOCK: TERMINAL STUD, 0.262 IN. ID, 0.502 IN. OD, 0.025 IN. THK	(28835) DW1880		4	*	*	*		34	3
	X2	O		5330-202-1386	WASHER, NONMETALLIC: TERMINAL STUD	(28835) A25		8	SEE GROUP 9901		SEE GROUP 9901		34	4
11	X2	F		5940-279-9773	TERMINAL, BOARD: MERCURY TIME DELAY SWITCH AND SOLENOID COIL	(28835) FW1434		1	*	*	*		35	3
9	X2	F		5310-656-0026	WASHER, FLAT: TERMINAL BOARD, BRASS; 5/32 IN. ID, 5/16 IN. OD, 3/64 IN. THK			2	*	*	*			
9	X2	F		5310-010-6495	WASHER, LOCK: TERMINAL BOARD MTG SCREW, 0.141 IN. ID, 0.253 IN. OD, 0.031 IN. THK			2	*	*	*			
4410 - SWITCHING, TIMING AND SPEED CONTROL														
	X2	O		2910-458-7963	ARM, BUTTERFLY CONTROL, CARBURETOR	(28835) 5CW779		1	*	*	*		35	5
	X2	O		2910-447-4280	CHAIN ASSEMBLY: ENGINE IDLE	(28835) 5CW702		1	*	*	*		35	11
	F1	F		5925-201-4793	CIRCUIT BREAKER: 25 AMP, 125V	(60741) 0142		1	*	*	10		32	38
	F1	O		2920-354-2387	COIL ASSEMBLY, IDLING CONTROL	(28835) 5CW3209		1	*	*	10		35	12
11	X2	O		5950-374-5068	ARM, ROCKER YOKE: SOLENOID COIL	(28835) FW1356		1	*	*	*			
11	F1	O		5950-374-5052	COIL, SOLENOID	(28835) DATA1150		1	*	*	10			
10	X2	O		5325-264-1213	GROMMET, RUBBER: SOLENOID COVER, ELECTRICAL WIRE, 3/8 IN. ID, 11/16 IN. OD, 7/64 IN. THK	(28835) FW1422		1	*	*	*			
	M	O			GUIDE, PLUNGER	(28835) FW954A		1	*	*	*			
					INSULATOR: SOLENOID COIL TO YOKE	(28835) 5CW3251		1						
10	F	O		5970-238-4842	MANUFACTURE FROM: INSULATION SHEET, ELETRICAL (2 IN. X 4 IN. REQUIRED)		SH		SEE GROUP 9501		SEE GROUP 9501			



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Figure 35. Switching and Speed Controls.

INDEX TO PARTS, FIGURE 35

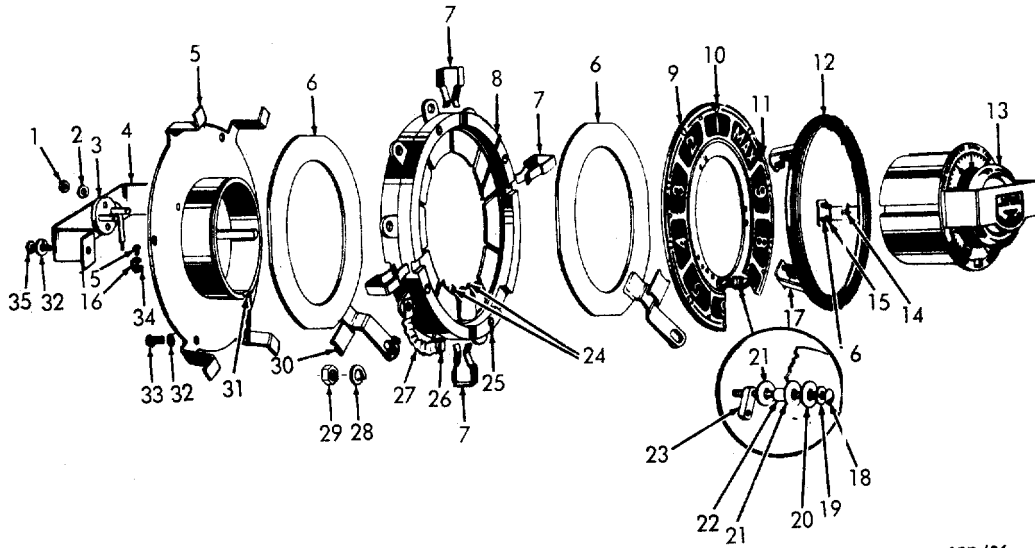
Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name
1	4410	MERCURY SWITCH	5	4410	ARM	9	0308	WASHER	13	4410	SCREW
2	4408	BRACKET	6	0308	NUT	10	0308	BOLT	14	4410	WASHER
3	4408	TERMINAL BOARD	7	0308	ROD	11	4410	CHAIN AY	15	4410	SCREW
4	4403	SCREW	8	0308	GOVERNOR	12	4410	COIL AY			

SOURCE CODES

SOURCE CODES				FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDE- BILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUS- TRATIONS		
TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVER- ABILITY						15 DAYS FIELD MAINTENANCE 3RD ECH 100 EQUIPMENTS	4TH ECH	DEPOT MAINTENANCE 5TH ECH	FIG NO	ITEM NO	
4410 - SWITCHING, TIMING AND SPEED CONTROL (CONT)														
11	X2	O		5970-312-8704	INSULATOR, SOLENOID PLUNGER			1	*	*	*			
	X2	O		5310-886-9496	NUT, SHEET, SPRING: PIVOT PIN	(28835) C183-012-27		1	*	*	*			
11	X2	O		5950-374-5069	PIN, STRAIGHT, HEADLESS: SOLENOID COIL	(28835) FW1361A		1	*	*	*			
	X2	O			PLATE, COVER: MAGNETIC YOKE, BACK	(28835) 5CW3116		1	*	*	*			
	X2	O			PLATE, COVER: MAGNETIC YOKE, FRONT	(28835) 5CW3217		1	*	*	*			
11	X2	O		5950-374-5070	PLUNGER, SOLENOID	(28835) FW1363		1	*	*	*			
9	X2	O		5320-010-4085	RIVET, SOLID: SOLENOID COIL, 1/4 IN. DIA, 1 IN. LG	(28835) 100MS32		1	*	*	*			
9	X2	O		5305-010-0742	SCREW, MACHINE: INSULATOR MTG, NO. 6-32 THD SIZE: 1 IN LG			1	*	*	*			
9	X2	O		5305-016-9448	SCREW, TAPPING, THREAD FORMING: COVER PLATE MTG, CADMIUM OR ZINC PLATED; NO. 6-32 THD SIZE; 1/4 IN. LG			4	*	*	*			
9	X2	O		5305-016-9450	SCREW, TAPPING, THREAD FORMING: PLUNGER STOP MTG, CADMIUM OR ZINC PLATED; NO. 6-32 THD SIZE; 3/8 IN. LG			2	*	*	*			
	X2	O			STOP, PLUNGER: SOLENOID COIL	(28835) CW3209		1	*	*	*			
11	X2	O		5950-371-5481	SUPPORT, SOLENOID, COIL: MAGNETIC	(28835) 5CW3215		1	*	*	*			
	X2	O		5330-291-7940	WASHER, NONMETALLIC: FIBER; 1 1/8 IN. ID, 2 1/4 IN. OD, 1/16 IN. THK	(28835) FW956		2	*	*	*			
11	P1	O		5945-371-5483	MERCURY SWITCH: TIME DELAY	(28835) FW2864		1	*	*	*	5	35	1
9	X2	O		5310-275-1706	NUT, PLAIN, HEXAGON: TIME DELAY SWITCH MTG, NO. 6-32 THD SIZE			2	*	*	*			
11	P1	O		5905-679-5804	RESISTOR, VARIABLE: MULTI-RANGE	(28835) AW1672		1	*	*	*	5	30	34
	X2	O			BRACKET: HANDWHEEL MTG	(28835) AW334		3	*	*	*		36	17
	X1				BRACKET: REAR PLUG MTG	(28835) AW437		1	*	*	*		36	4
	X1			3432-447-4197	CATCH, BALL FRICTION, CONTACT RING	(28835) AW459		4	*	*	*		36	25
	X2	O			CATCH: RHEOSTAT	(28835) AW465		1	*	*	*		36	31
	X1			5340-374-5204	CLIP, SPRING TENSION: MULTI-RANGE SWITCH	(28835) W799C70		4	*	*	*		36	7
11	X2	O		5935-258-4660	CONNECTOR, RECEPTACLE, ELCTRICAL: 2 CONTACTS	(04009) 4239		1	*	*	*		36	3
11	P1	O		5930-374-5039	CONTACT, ELECTRICAL	(28835) AW156		2	*	*	*	20	36	24
11	P1	O		5945-429-0929	CONTACT, ELECTRICAL: MULTI-RANGE SWITCH	(28835) AW306		1	*	*	*	10	36	23
	X2	O			DISC, SWITCH, FRONT	(28835) AW431		1	*	*	*		36	9
	X2	O		5340-387-9438	HANDWHEEL: MULTI-RANGE SWITCH	(28835) AW212		1	*	*	*		36	12
	X1				HOUSING: INTERNAL, MULTI-RANGE SWITCH	(28835) AW823		1	*	*	*		36	5
11	X2	O		5970-447-4194	INSULATOR, CONTACT FINGER SCREW	(28835) AW307		2	*	*	*		36	22
9	X2	O		5310-275-1706	NUT, PLAIN, HEXAGON: REMOTE CONTROL PLUG, NO. 6-32 THD SIZE			2	*	*	*		36	1
9	X2	O		5310-655-9544	NUT, PLAIN, HEXAGON: RESISTANCE ELEMENT MTG. 3/8-16 THD SIZE			1	*	*	*		36	29
9	X2	O		5355-429-0935	PLATE, DIAL: MULTI-RANGE SWITCH	(28835) AW575		1	*	*	*		36	10
11	X2	O		5970-308-2814	PLATE, INSULATION, RANGE SWITCH	(28835) AW929		2	*	*	*		36	30
11	X2	O		5905-447-4196	RESISTANCE ELEMENT	(28835) AW335		1	*	*	*		36	27
11	P1	F		5905-447-4204	RHEOSTAT ASSEMBLY: REMOTE CONTROL	(28835) AW686		1		SEE GROUP 4411		SEE GROUP 4411		



11	X1		5930-447-4251	RING, CONTACT	(28835) DW890A	1				36	6
	X1		3431-387-9466	RING, CONTACT CONTROL	(28835) DW859	1				36	8
9	X2	O	5305-010-6974	SCREW, CAP, HEXAGON HEAD: RESISTANCE ELEMENT MTG, 3/8-16 THD SIZE; 1/2 IN. LG		1	*	*	*	36	26
9	X2	O	5305-011-3961	SCREW, MACHINE: CONTACT FINGER MTG, 1/4-20 THD SIZE; 1 1/4 IN. LG		2	*	*	*	36	18
9	X2	O	5305-011-0499	SCREW, MACHINE: HANDWHEEL BRACKET MTG AND RHEOSTAT CATCH, NO. 10-24 THD SIZE; 3/8 IN. LG		7	*	*	*	36	15
9	X2	O	5305-685-1344	SCREW, MACHINE: INTERNAL HOUSING MTG, 1/4-20 THD SIZE; 5/8 IN. LG		4	*	*	*	36	33
9	X2	O	5305-275-9837	SCREW, MACHINE: REAR PANEL AND BRACKET MTG, 1/4-20 THD SIZE; 3/8 IN. LG		2	*	*	*	36	35
9	X2	O	5305-042-6632	SCREW, TAPPING, THREAD FORMING: DIAL MTG, CADMIUM OR ZINC PLATED; NO. 4-24 THD SIZE; 3/16 IN. LG		5	*	*	*	36	11
9	X2	O	5305-167-2327	SCREW, TAPPING, THREAD FORMING: HANDWHEEL BRACKET MTG, CADMIUM OR ZINC PLATED; NO. 8-18 THD SIZE; 1/2 IN. LG		3	*	*	*	36	14
9	X2	O	5310-186-7358	WASHER, FLAT: RHEOSTAT CATCH, BRASS; 0.187 IN. ID, 0.375 IN. OD, 0.049 IN. THK	(28835) B130	1	*	*	*	36	34
9	X2	O	5310-010-3319	WASHER, LOCK: CONTACT FINGER MTG, CADMIUM OR ZINC PLATED; 0.255 IN. ID, 0.493 IN. OD, 0.062 IN. THK		2	*	*	*	36	19
9	X2	O	5310-017-4916	WASHER, LOCK: CONTACT FINGER MTG, CADMIUM OR ZINC PLATED; 0.262 IN. ID, 0.742 IN. OD, 0.036 IN. THK		2	*	*	*	36	20
9	X2	O	5310-010-6497	WASHER, LOCK: HANDWHEEL BRACKET MTG AND RHEOSTAT CATCH, 0.194 IN. ID, 0.337 IN. OD, 0.047 IN. THK		7	*	*	*	36	16
9	X2	O	5310-010-3319	WASHER, LOCK: INTERNAL HOUSING MTG, REAR BRACKET MTG, CONTACT FINGER, 0.255 IN. ID, 0.493 IN. OD, 0.062 IN. THK		8	*	*	*	36	32
9	X2	O	5310-010-6495	WASHER, LOCK: REMOTE CONTROL PLUG, 0.141 IN. ID, 0.253 IN. OD, 0.031 IN. THK		2	*	*	*	36	2
9	X2	O	5310-261-7340	WASHER, LOCK: RESISTANCE ELEMENT MTG, 0.382 IN. ID, 0.688 IN. OD, 0.094 IN. THK		1	*	*	*	36	28
	X2	O	5330-447-4192	WASHER, NONMETALLIC: FIBER; 25/64 IN. ID, 5/8 IN. OD, 1/8 IN. THK	(28835) AK1074	4	*	*	*	36	21
9	X2	O	5305-261-1822	SCREW, CAP, HEXAGON HEAD: SOLENOID COIL MTG, 1/4-20 THD SIZE; 3/4 IN. LG		2	*	*	*	35	13
9	X2	F	5305-010-0749	SCREW, MACHINE: CIRCUIT BREAKER MTG, NO. 8-32 THD SIZE; 1/4 IN. LG		4	*	*	*	32	40
9	X2	O	5305-010-0737	SCREW, MACHINE: TIME DELAY SWITCH MTG, NO. 6-32 THD SIZE; 3/8 IN. LG		2	*	*	*	35	15
9	X2	O	5305-016-9554	SCREW, TAPPING, THREAD FORMING: MULTI-RANGE AND POLARITY SWITCH MTG, CADMIUM OR ZINC PLATED; 1/4-28 THD SIZE; 3/8 IN. LG		6	*	*	*	30	27
11	P1	O	5930-258-5541	SWITCH, TOGGLE: IDLE DEVICE	(28835) FW1312	1	SEE GROUP 9901	*	SEE GROUP 9901	32	36
11	P1	O	5930-272-1382	SWITCH, TOGGLE: POLARITY	(28835) AW794	1	*	*	5	30	36
9	X2	F	5310-042-6217	WASHER, LOCK: CIRCUIT BREAKER MTG, 0.128 IN. ID, 0.239 IN. OD, 0.031 IN. THK		4	*	*	*	32	39
9	X2	O	5310-017-3124	WASHER, LOCK: MULTI-SWITCH TOP MTG, 0.262 IN. ID, 0.742 IN. OD, 0.036 IN. THK		2	*	*	*		
9	X2	O	5310-010-3319	WASHER, LOCK: SOLENOID COIL MTG, 0.255 IN. ID, 0.493 IN. OD, 0.062 IN. THK		2	*	*	*	35	14

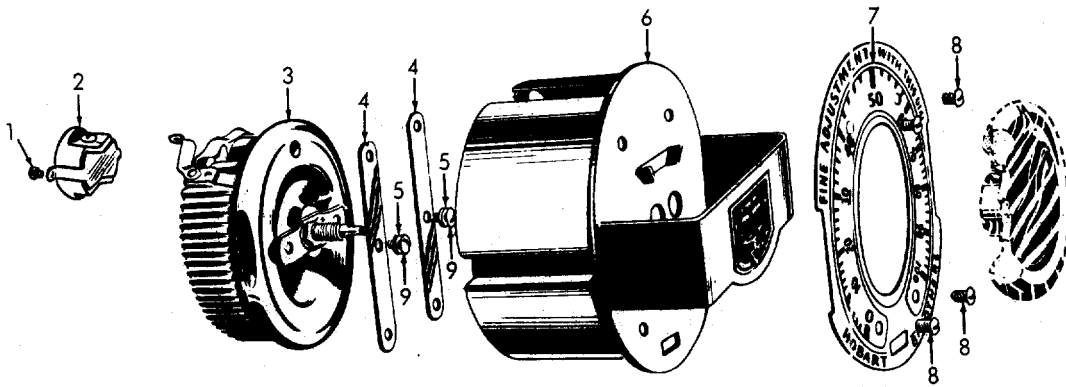


EMC 3431-204-35P/36

Figure 36. Multirange Switch.

INDEX TO PARTS, FIGURE 36

Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name
1	4410	NUT	13	4411	RHEOSTAT AY	25	4410	CATCH
2	4410	WASHER	14	4410	SCREW	26	4410	SCREW
3	4410	CONNECTOR	15	4410	SCREW	27	4410	RESISTANCE EL
4	4410	BRACKET	16	4410	WASHER	28	4410	WASHER
5	4410	HOUSING	17	4410	BRACKET	29	4410	NUT
6	4410	RING	18	4410	SCREW	30	4410	PLATE
7	4410	CLIP	19	4410	WASHER	31	4410	CATCH
8	4410	RING	20	4410	WASHER	32	4410	WASHER
9	4410	DISC	21	4410	WASHER	33	4410	SCREW
10	4410	PLATE	22	4410	INSULATOR	34	4410	WASHER
11	4410	SCREW	23	4410	CONTACT	35	4410	SCREW
12	4410	HANDWHEEL	24	4410	CONTACT			



EMC 3431-204-35P/37

Figure 37. Rheostat.

INDEX TO PARTS, FIGURE 37

Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name
1	4411	SCREW	4	4411	SPRING	7	4411	DIAL
2	4411	CONNECTOR	5	4411	WASHER	8	4411	SCREW
3	4411	RESISTOR	6	4411	CASE	9	4411	SCREW

SOURCE CODES

TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVER-ABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPEN- DITURE	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUS-TRATIONS		
									15 DAYS FIELD MAINTENANCE 3RD ECH	4TH ECH	DEPOT MAINTENANCE 5TH ECH	FIG NO	ITEM NO	
					4410 - SWITCHING, TIMING AND SPEED CONTROL (CONT)									
9	X2	O		5310-010-6495	WASHER, LOCK: TIME DELAY SWITCH MTG, 0.141 IN. ID, 0.253 IN. OD, 0.031 IN. THK			2	*	*	*			
					4411 - RESISTOR COMPONENTS									
11	X2	F		5905-429-0938	HANDWHEEL, RHEOSTAT: AUXILIARY GENERATOR CONTROL RHEOSTAT (28835) AW719			1	SEE GROUP 9901		SEE GROUP 9901			
11	P	F		5905-279-7802	RESISTOR, ADJUSTABLE: 7 OHM, 40 WATT, VARIABLE (28835) CW755			1	*	*	20	30	9	
11	P1	F		5905-279-5723	RESISTOR, FIXED, WIRE WOUND: 300 OHM, 40 WATT DISCHARGE (28835) CW1150			1	*	*	20	30	2	
11	P1	F		5905-642-4808	RESISTOR, VARIABLE: FIELD, 8.25 OHM, MODEL L AUXILIARY GENERATOR, CONTROL PANEL (28835) AW398			1	SEE GROUP 9901		SEE GROUP 9901			
11	P1	F		5905-447-4204	RHEOSTAT ASSEMBLY: REMOTE CONTROL (28835) AW686			1	*	*	20	36	13	
11	X2	F		5935-283-2052	CASE, RHEOSTAT (28835) AW662			1	*	*	*	37	6	
	X2	F		5355-447-4201	CONNECTOR, RECEPTACLE, ELECTRICAL: RHEOSTAT CASE, 2 CONTACT (28835) AW746			1	*	*	*	37	2	
	X2	F		5355-447-4201	DIAL, FIELD RHEOSTAT: WELDING RANGE (28835) AW664			1	*	*	*	37	7	
11	P	F		5905-429-0938	HANDWHEEL, RHEOSTAT (28835) AW719			1	SEE GROUP 9901		SEE GROUP 9901	32	24	
9	X2	F		5905-642-4808	RESISTOR, VARIABLE (28835) AW398			1	SEE GROUP 9901		SEE GROUP 9901	37	3	
9	X2	F		5305-010-0750	SCREW, MACHINE: DIAL MTG TO RHEOSTAT CASE, NO. 8-32 THD SIZE, 3/8 IN. LG			4	*	*	*	37	8	
9	X2	F		5305-207-2940	SCREW, MACHINE: RECEPTACLE MTG TO RHEOSTAT CASE, NO. 6-32 THD SIZE, 1/4 IN. LG			2	*	*	*	37	1	
9	X2	F		5305-011-0498	SCREW, MACHINE: RHEOSTAT MTG, NO. 10-24 THD SIZE, 1/4 IN. LG			2	*	*	*	37	9	
9	X2	F		5305-010-2570	SETScrew: RHEOSTAT HANDLE, 1/4-20 THD SIZE, 3/8 IN. LG			1	*	*	*	32	27	
9	X2	F		5905-374-5042	SPRING, RHEOSTAT MOUNTING (28835) AW595			2	*	*	*	37	4	
9	X2	F		5310-010-6497	WASHER, LOCK: RHEOSTAT SPRING MTG, 0.194 IN. ID, 0.337 IN. OD, 0.047 IN. THK			2	*	*	*	37	5	
9	X2	F		5305-013-2892	SCREW, MACHINE: RHEOSTAT MTG, CADMIUM OR ZINC PLATED; NO. 10-32 THD SIZE; 1/4 IN. LG			2	*	*	*	32	42	
9	X2	F		5305-281-5868	SCREW, TAPPING, THREAD FORMING: RESISTOR MTG, CADMIUM OR ZINC PLATED; NO. 4-24 THD SIZE; 3/8 IN. LG			4	*	*	*	30	8	
9	X2	F		5305-285-4691	SETScrew: AUXILIARY GENERATOR CONTROL HANDLE, CADMIUM OR ZINC PLATED; NO. 4-40 THD SIZE; 3/16 IN. THK			1	*	*	*			
9	X2	F		5310-010-6497	WASHER, LOCK: RHEOSTAT MTG SCREW, 0.194 IN. ID, 0.337 IN. OD, 0.047 IN. THK			2	*	*	*	32	41	
					4414 - RADIO INTERFERENCE SUPPRESSION									
11	P	O		5910-161-6876	CAPACITOR, FIXED, PAPER DIELECTRIC: AUXILIARY CONTROL PANEL (28835) DW5133AB			1	SEE GROUP 9901		SEE GROUP 9901	38	1	

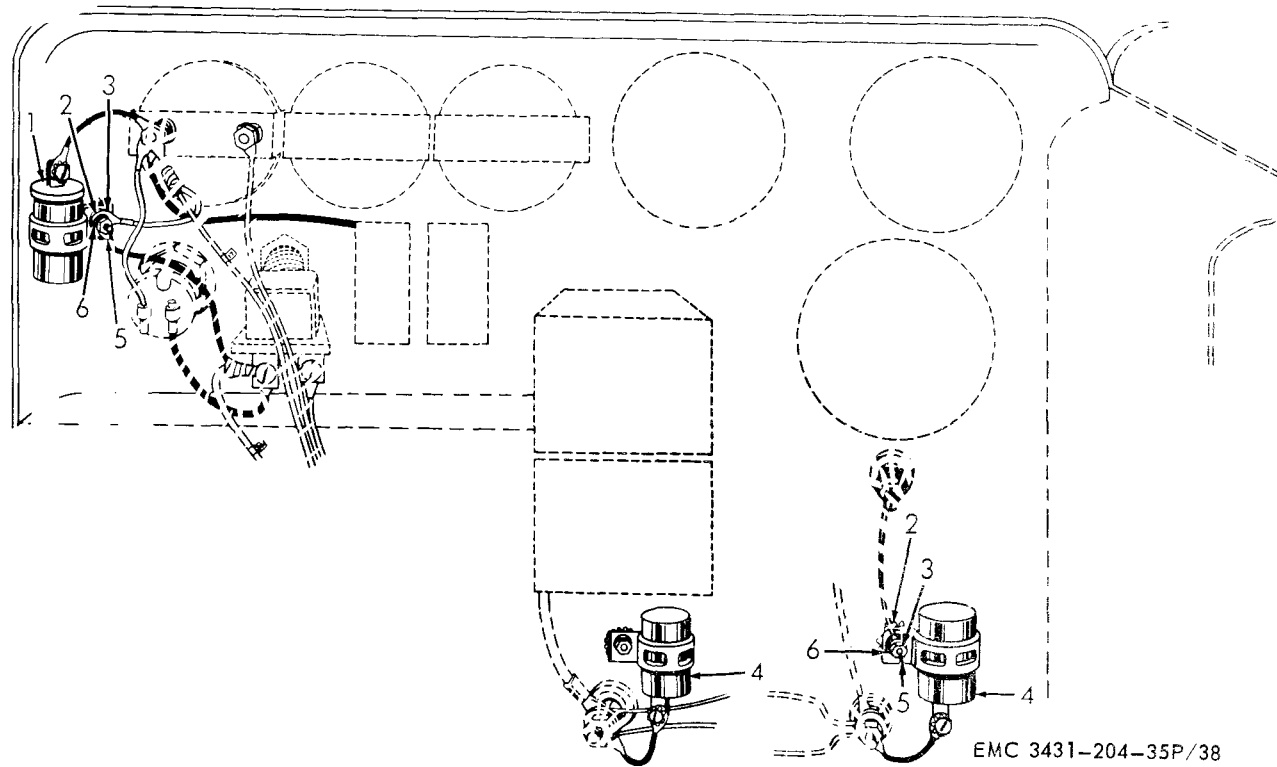


Figure 38. Radio Interference Suppression.

INDEX TO PARTS, FIGURE 38

Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name
1	4414	CAPACITOR	3	4414	WASHER	5	4414	WASHER	6	4414	NUT
2	4414	WASHER	4	4414	CAPACITOR						

SOURCE CODES

SOURCE CODES				FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDB- BILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUS- TRATIONS		
TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVER- ABILITY						15 DAYS FIELD MAINTENANCE 3RD ECH	4TH ECH	DEPOT MAINTENANCE 5TH ECH	FIG NO	ITEM NO	
4414 - RADIO INERFERENCE SUPPRESSION (CONT)														
11	P	O		5910-669-3913	CAPACITOR, FIXED, PAPER DIELECTRIC: AUXILIARY CONTROL PANEL; 0.1 UF, 500V, AC/DC (28835) DW5133AA			2	(2)	*	40	38	4	
11	P	O		5910-666-8381	CAPACITOR, FIXED, PAPER DIELECTRIC: CONTROL PANEL (28835) DW5133AG			4	(3)	*	80			
11	P	O		5910-284-4087	CAPACITOR, FIXED, PAPER DIELECTRIC: GENERATOR BRUSH HOLDER, 0.25 UF (28835) DW5133AF			4	(3)	*	80	28	8	
11	P	O		5910-127-8448	CAPACITOR, FIXED, PAPER DIELECTRIC: GENERATOR EXICTER BRUSH, NO. F, 0.1 UF (28835) DW5133A			2	(2)	*	40	27	10	
	X2	O		6150-279-6065	LEAD, ELECTRICAL: LOUVER COVER TO PANEL (28835) DW6316			1	*	*	*	30	20	
	X2	O			NUT, PLAIN, HEXAGON: AUXILIARY CONTROL PANEL CAPACITOR MTG (SUPPLIED UNDER STOCK NO. 5310-011-0633)			2	*	*	*			
9	X2	O		5310-011-0633	NUT, PLAIN, HEXAGON: CAPACITOR MTG, CONTROL PANEL, NO. 10-24 THD SIZE			4	*	*	*	38	6	
9	X2	O		5305-017-9791	SCREW, CAP, HEXAGON HEAD: LOUVER TO PANEL LEAD, 1/4-20 THD SIZE; 1/2 IN. LG			2	*	*	*	30	22	
9	X2	O		5305-011-0502	SCREW, MACHINE: AUXILIARY CONTROL PANEL CAPACITOR MTG. NO. 10-24 THD SIZE; 3/4 IN. LG			3	*	*	*			
9	X2	O		5305-011-0985	SCREW, MACHINE: CAPACITOR LEAD, CONTROL PANEL, NO. 6-32 THD SIZE; 3/16 IN. LG			4	*	*	*	31	1	
9	X2	O			SCREW, MACHINE: CAPACITOR MTG, CONTROL PANEL (SUPPLIED UNDER STOCK NO. 5305-011-0499)			4	*	*	*			
9	X2	O		5305-011-0499	SCREW, MACHINE: GENERATOR AND EXCITER BRUSH HOLDER CAPACITOR MTG, NO. 10-24 THD SIZE; 3/8 IN. LG			6	*	*	*	28	9	
9	X2	O			WASHER, LOCK: AUXILLARY CONTROL PANEL CAPACTIRO MTG (SUPPLIED UNDER STOCK NO. 5310-017-3122)			3	*	*	*	38	2	
9	X2	O			WASHER, LOCK: AUXILIARY CONTROL PANEL CAPACITOR MTG (SUPPLIED UNDER STOCK NO. 5310-010-6497)			3	*	*	*	38	3	
9	X2	O			WASHER LOCK: CAPACTIRO MTG, CONTROL PANEL (SUPPLIED UNDER STOCK NO. 5310-017-3122)			4	*	*	*	38	5	
9	X2	O			WASHER, LOCK: CAPACITOR MTG, CONTROL PANEL (SUPPLIED UNDER STOCK NO. 5310-010-6497)			4	*	*	*			
9	X2	O		5310-010-6497	WASHER, LOCK: GENERATOR AND EXCITER BRUSH HOLDER CAPACITOR MTG, 0.194 IN. ID, 0.337 IN. OD, 0.047 IN. THK			6	*	*	*	28	10	
9	X2	O		5310-017-3122	WASHER, LOCK: GENERATOR AND EXICTER BRUS HOLDER CAPACITOR MTG, 0.200 IN ID, 0.595 IN. OD, 0.031 IN. THK			6	*	*	*	28	7	
9	X2	O		5310-017-3124	WASHER, LOCK: LOUVER TO PANEL LEAD, 0.262 IN. ID 0.742 IN. OD, 0.036 IN. THK			2	*	*	*	30	21	
GROUP 47 - GAGES; WEIGHING AND MEASURING DEVICES														
4702 - GAGES, MOUNTINGS, LINES AND FITTINGS														
	X2	O		4730-187-7609	COUPLING, PIPE: OIL PRESSURE GAGE, GALVANIZED; BOTH ENDS FEMALE, 1/8-27 THD SIZE; 3/4 IN. LG (GE)			1	*	*	*	32	8	

SOURCE CODES

TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVER-ABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPEN- DABILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUS-TRATIONS		
									15 DAYS FIELD MAINTENANCE 3RD ECH 100 EQUIPMENTS	4TH ECH	DEPOT MAINTENANCE 5TH ECH	FIG NO	ITEM NO	
					4702 - GAGES, MOUNTINGS, LINES AND FITTINGS (CONT)									
	X2	0		4730-278-4766	ELBOW, PIPE TO TUBE: OIL COUPLING TO OIL LINE, ONE END MALE, 1/8-27 THD SIZE, OTHER END FEMALE, 1/4 IN. TUBE, 7/16-20 THD SIZE			2	*	*	*	32	9	
	P1	0		6620-430-5727	GAGE, PRESSURE DIAL INDICATING: OIL			1	*	*	*	32	7	
	P1	0		6680-406-2997	INDICATOR, LIQUID QUANTITY: FUEL, ROCKER TYPE			1	*	*	*	5	1	
11	P1	0		6685-447-4234	THERMOMETER, INDICATING, CAPILLARY TUBE AND BULB, 100-200°			1	*	*	*	5	12	
	M	0			TUBE, COPPER: OIL GAGE TO ENGINE			1	*	*	*	32	32	
	X2	0		4730-142-1593	INVERTED NUT, TUBE COUPLING: 1/4 IN. OD TUBE; 7/16-24 THD SIZE			2	*	*	*	32	10	
	P	0		4710-277-5525	TUBE, COPPER (19 IN. REQUIRED)	FT			SEE GROUP 9501		SEE GROUP 9501			
					GROUP 76 - FIRE FIGHTING EQUIPMENT									
					7603 - FIRE EXTINGUISHERS									
	P1	0		4210-708-0031	CYLINDER, CHARGED: FOR EXTINGUISHER, FIRE, MONOBROMOTRIFLUOROMETHANE, CF3 DR, 2.75 LB (GE)			1	*	*	*			
	P1	0		4210-799-3516	SEAL, SELF-LOCKING: FOR EXTINGUISHER, FIRE, MONOBROMOTRIFLUOROMETAHNE, CF3 BR (GE)			1	*	*	*			
					GROUP 95 - GENERAL USE STANDARDIZED PARTS									
					9501 - BULK MATERIAL									
11	P	0		6145-171-3378	BRAID, WIRE: COPPER; NO. 34 AWG	FT			*	*	*		2	
9	P	0		4720-640-5439	HOSE, RUBBER: 1 1/2 IN. ID	FT			*	*	*		4	
10	P	0		5970-238-4842	INSULATION SHEET, ELECTRICAL: 0.025 IN. THK, 51 IN. W, 73 IN. LG	SH			*	*	*		2	
	P	0		5330-233-5847	PAPER, GASKET: 36 IN. W, 1/16 IN. THK (GE)	YD			*	*	*		8	
	P	0		4710-277-5525	TUBE, COPPER: 0.250 IN. DIA	FT			*	*	*		18	
	P	F		4710-277-5528	TUBE, COPPER: 0.438 IN. OD, 0.035 IN. THK	FT			*	*	*		4	
					GROUP 99 - PARTS PECULIAR									
					9901 - PARTS PECULIAR WITH MORE THAN ONE APPLICATION									
	X2	0			ADAPTER			10	*	*	*			
11	P	0		5930-161-6876	CAPACITOR, FIXED, PAPER DIELECTRIC: 0.1 UF, 100V, DC			4	-2	*	*		80	
	X2	F		5905-429-0938	HANDWHEEL, REHOSTAT			2	*	*	*		*	
11	P	F		5905-642-4808	RESISTOR, VARIABLE			2	1	*	*		40	
11	P1	0		5930-258-5541	SWITCH, TOGGLE			2	*	*	*		10	
	X2	0		5330-202-1386	WASHER, NONMETALLIC: FIBER; 33/64 IN. ID, 1 1/8 IN. OD, 1/2 IN. THK			24	*	*	*		*	

FEDERAL NUMBER	STOCK NUMBER	NUMBER	AND CODE	PART PAGE	NUMBER	INDEX NUMBER	CODE	PAGE	NUMBER	CODE	PAGE	NUMBER	CODE	PAGE	NUMBER	CODE	PAGE
AK1074			28835	83	BW709		28835	55	DW1646B	28835	66	DW3590	28835	38	DW6339	28835	13
AR4S			19728	54	BW713A		28835	77	DW1647B	28835	68	DW3641	28835	38	DW6345	28835	64
AR8S			19728	54	BW714A		28835	75	DW1664	28835	65	DW3708	28835	75	DW6347	28835	61
AW103			28835	70	B1203		28835	70	DW1691	28835	68	DW3783	28835	38	DW6350	28835	61
AW106			28835	68	B130		28835	83	DW1693	28835	68	DW3785	28835	38	DW6367	28835	36
AW1413			28835	66	CW1004		28835	59	DW1695	28835	68	DW3788A	28835	38	DW6369	28835	1
AW156			28835	82	CW1120A		28835	80	DW1697	28835	64	DW3885	28835	38	DW6372C	28835	27
AW164			28835	64	CW1150		28835	85	DW1698	28835	66	DW4130A	28835	8	DW6375	28835	27
AW165			28835	64	CW1158		28835	66	DW1699A	28835	66	DW4134A	28835	8	DW6381A	28835	48
AW1672			28835	82	CW1159		28835	66	DW1708	28835	68	DW4152B	28835	40	DW6381AA	28835	48
AW199			28835	68	CW1161A		28835	36	DW1709M	28835	74	DW423	28835	68	DW6381AB	28835	48
AW212			28835	82	CW1199A		28835	36	DW1722A	28835	66	DW424	28835	68	DW6381AC	28835	48
AW239A			28835	64	CW1232		28835	36	DW1725	28835	27	DW455	28835	74	DW6381AD	28835	48
AW306			28835	82	CW3209		28835	82	DW1727	28835	27	DW479	28835	68	DW6381AE	28835	48
AW307			28835	82	CW363		28835	38, 64	DW1754	28835	68	DW5091	28835	75	DW6381AF	28835	48
AW334			28835	82	CW380		28835	38	DW1762	28835	66	DW5094	28835	55	DW6381AG	28835	48
AW335			28835	82	CW395		28835	62	DW1763	28835	66	DW513	28835	66, 75	DW6381AH	28835	48
AW368			28835	77	CW442		28835	38	DW1781	28835	88	DW5133A	28835	68, 87	DW6390	28835	57
AW370			28835	64	CW448		28835	38	DW1786	28835	66	DW5133AA	28835	87	DW6391	28835	57
AW397			28835	29, 77	CW510		28835	62	DW1816	28835	40	DW5133AB	28835	85	DW6394	28835	55
AW398			28835	85	CW755		28835	85	DW1820A	28835	68	DW5133AC	28835	56	DW657	28835	54
AW431			28835	82	CW894		28835	36, 38	DW1880	28835	80	DW5133AD	28835	56	DW73A	28835	66
AW437			28835	82	CW899		28835	55, 61	DW1902	28835	77	DW5133AF	28835	87	DW737	28835	74
AW459			28835	82	CL142A		28835	77	DW1906	28835	64, 74	DW5133AG	28835	87	DW859	28835	83
AW465			28835	82	CL183-012-27		28835	82	DW1912	28835	68	DW5133AH	28835	56	DW862A	28835	64
AW519			28835	66	C20534-1		11349	80	DW1928A	28835	77	DW5323	28835	40	DW882B	28835	74
AW521			28835	66	C30		28835	66	DW1994A	28835	64	DW5329A	28835	41	DW883	28835	74
AW575			28835	82	C31		28835	66	DW1996	28835	66	DW5330A	28835	41	DW890A	28835	83
AW595			28835	85	C6		28835	36	DW2072	28835	68	DW5486	28835	41	DW905A	28835	74
AW626			28835	70	C65		28835	66, 74	DW2078	28835	80	DW5486	28835	30	DW944	28835	40
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