TECHNI CAL MANUAL

OPERATOR, ORGANIZATIONAL, DIRECT SUPPORT, GENERAL SUPPORT AND DEPOT MAINTENANCE MANUAL

MOTOR-GENERATOR PU-724/G (NSN 6125-00-617-1435)

This copy is a reprint which includes current pages from Changes 1 and 2. Title was changed by Change 1 as shown above.

WARNING

DANGEROUS VOLTAGES EXIST IN THIS EQUIPMENT
Do not remove covers or expose live parts until dc input is disconnected.

CHANGE NO. 2

HEADQUARTERS DEPARTMENT OF THE ARMY Washington, DC, 12 December 1983

OPERATOR, ORGANIZATIONAL, DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE MANUAL MOTOR GENERATOR PU-724/G (NSN 6125-00-617-1435)

TM 11-6125-2125, 7 July 1971, is changed as follows:

- 1. New or added material is indicated by a vertical bar in the margin of the page.
- 2. Added or revised illustrations are indicated by a vertical bar adjacent to the illustration identification number.
- 3. Remove old pages and insert new pages as indicated below.

Remove Pages	Insert Pages
i	i/(ii blank)
1-1	1-1 and 1-2
3-1 and 3-2	3-1 and 3-2
4-1 through 4-3	4-1 through 4-4
7-1 and 7-2	7-1 /(7-2 blank)
A-1	A-1/(A-2 blank)

4. File this change sheet in front of the publication for reference purposes.

By Order of the Secretary of the Army:

JOHN A. WICKHAM JR. General, United States Army Chief of Staff

Official:

ROBERT M. JOYCE

Major General, United States Army
The Adjutant General

DISTRIBUTION:

To be distributed in accordance with DA Form 12-51, Operators Maintenance requirements for $PU\mbox{-}724/G.$

TECHNICAL MANUAL

No. 11-6125-252-15

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D. C., 7 July 1971

OPERATOR, ORGANIZATIONAL, DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE MANUAL

MOTOR GENERATOR PU-724/G (NSN 6125-00-617-1435)

	Paragraph	Page
CHAPTER 1.	INTRODUCTION	
Section I.	General	1-1
II.	Description and data	1-2
CHAPTER 2.	INSTALLATION AND OPERATION	
Section I.	Installation	2-1
II.	Operation	2-2
CHAPTER 3.	OPERATOR'S MAINTENANCE INSTRUCTIONS	3-1
4.	ORGANIZATIONAL MAINTENANCE INSTRUCTIONS	4-1
5.	DIRECT SUPPORT MAINTENANCE INSTRUCTIONS	5-1
	GENERAL SUPPORT AND DEPOT MAINTENANCE	6-1
CHAPTER 7.	PREPARATION OF EQUIPMENT FOR RESHIPMENT	
G .: I		7-1
Section I.	Preparation of equipment for reshipment	, ,
II.	Deleted	A-1
APPENDIX A.	REFERENCES	B-1
	MAINTENANCE ALLOCATION	Б.
C.	ORGANIZATIONAL, DIRECT SUPPORT, GENERAL SUPPORT	
	AND DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL	C-1
	TOOLS LIST	0.1
	LIST OF ILLUSTRATIONS	
Figure No.	·	Page
1 - 1	Motor generator	1-1
2 - 1	Packaging, motor generator	2-1
4 - 1	Motor generator, ac endbell	4-1
4 - 2	Motor generator, dc endbell	4-2
5 - 1	Motor generator, exploded view	Fold-in
5 - 2	Motor generator, schematic wiring diagram	5-2
6 - 1	Special test cables	6-2
6-2	Motor generator, electrical tests	6-3
~ -	Andrew Benefitting, electrical tools	

CHAPTER 1 INTRODUCTION

Section 1. GENERAL

1-1. Scope

This manual describes Motor Generator PU-724G (fig. l-l), and contains procedures for installing and operating it. The manual also contains operator, organizational, direct support, general support, and depot maintenance procedures. These include inspection, testing, and parts replacement authorized for operator maintenance level and higher.

1-2. Consolidated Index of Army Publications and Blank Forms

Refer to the latest issue of DA Pam 310-1 to determine whether there are new editions, changes or additional publications pertaining to the equipment.

1-3. Maintenance Forms, Records, and Reports

- a. Reports of Maintenance and Unsatisfactory Equipment. Department of the Army forms and procedures used for equipment maintenance will be those prescribed by TM 38-750, The Army Maintenance Management System.
- b. Report of Packaging and Handling Deficiencies. Fill out and forward SF 364 (Report of Discrepancy (ROD)) as prescribed in AR 735-11-2/DLAR 4140.55 /NAVMATINST 4355 .73A/AFR 400-54/MCO 4430.3F.
- c. Discrepancy in Shipment Report (DISREP) (SF 361). Fill out and forward Discrepancy in Shipment Report (DISREP) (SF 361)as preescribed in AR 55-38/NAVSUPINST 4610.33C/AFR 75-18/MCO P4610.19D/DLAR 4500.15.

1-3.1. Reporting Errors and Recommending Improvements

You can help improve this manual. If you find any mistakes or if you know of a way to improve

the procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) direct to: Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: DRSEL-ME-MP, Fort Monmouth, New Jersey 07703. In either case, a reply will be furnished direct to you.

1-3.2. Reporting Equipment Improvement Recommendations (EIR)

If your Motor-Generator PU-724/G needs improvement, let us know. Send us an EIR. You, the user, are the only one who can tell us what you don't like about your equipment. Let us know why you don't like the design. Put it on an SF 368 (Quality Deficiency Report). Mail it to Commander, US Army Communications-Electronics Command and Fort Monmouth. ATTN: DRSEL-ME-MP, Fort Monmouth, New Jersey 07703. We'll send you a reply.

1-3.3 Administrative Storage

Administrative Storage of Equipment issued to and used by Army activities will have preventive maintenance performed in accordance with the PMCS charts before storing. When removing the equipment from administrative storage the PMCS should be performed to assure operational readiness. Disassembly and repacking of equipment for shipment or limited storage are covered in paragraphs 7-1 and 7-2, and TM 740-90-1, Administrative Storage of Equipment.

1-3.4. Destruction of Army Electronics Materiel

Destruction of Army electronics materiel to prevent enemy use shall be in accordance with TM 750-244-2.

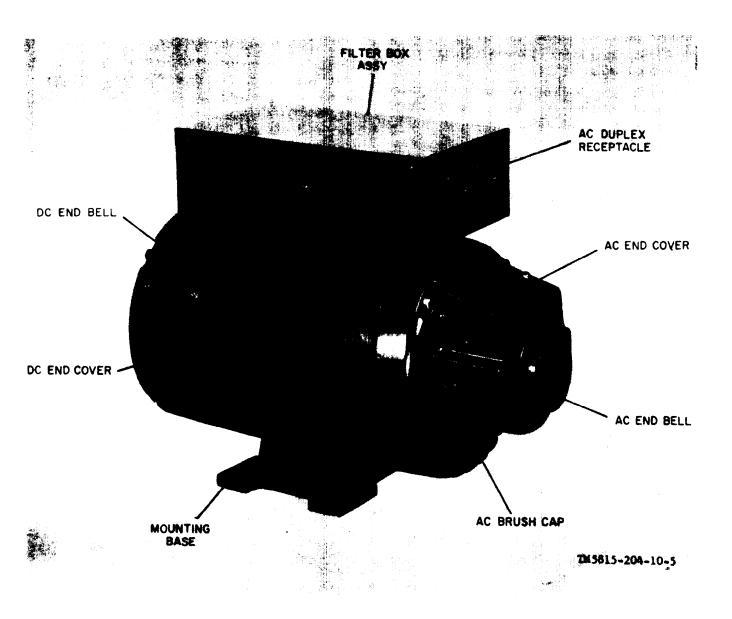


Figure 1-1. Motor generator PU-724/G.

INSTALLATION AND OPERATION

Section I. INSTALLATION

2-1. General

The motor generator is designed for easy installation. It requires only placement and connection of the input and output cables in order to be ready for **service**.

2-2. Unpacking

- a. The motor generator is mounted on a 3/8-inch piece of plywood 7 1/2 inches by 15 inches and shipped in a sealed, corrugated paper container 11 inches high, 17 inches wide, and 8 inches deep, having a volume of 0.86 cubic feet and a gross weight of 48 pounds (fig. 2-1).
- b. Unpack carefully and remove the unit from the mounting board. Retain the two copies of the instruction book packed in the carton.

2-3. Checking Unpacked Equipment

a. Inspect the equipment for damage that may have occurred during shipment. If the equipment

has been damaged, fill out and forward DD Form C (para 1-2 b).

- b. The motor generator comes packed as a single unit without additional components or accessories and is complete within itself.
- c. Check to see whether the equipment has been modified. If the equipment has been modified, the MWO number will appear near the nomenclature plate. Check also to see whether all MWOs current at the time the equipment is placed in use have been applied.

NOTE

Current MWOs applicable to the equipment are listed in DA PAM 310-7.

d. Check the latest issue of DA Pam 310-4 (never more than 1 year old) and its latest changes (never more than 6 months old) to see whether you have the latest editions of all applicable maintenance literature. (Equipment issued by depots may have been in stock for some time and may contain superseded manuals.)

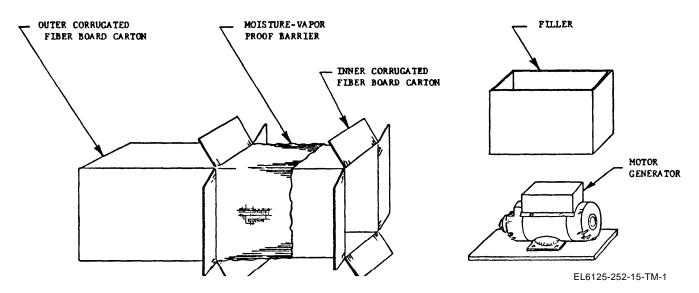


Figure 2-1. Packaging motor generator.

2-4. Installation

- a. Mounting. The motor generator can be mounted by means of four hexagon head 5/16 bolts with a flat washer under the heads. Use the four slots in the stamped steel base. The unit should be mounted on a level surface with the axis of the armature horizontal.
- b. Moisture. All electrical equipment should be protected against excessive moisture. Failure to do so can result in deterioration of the insulation and could result in short circuits and grounds.
- c. *Dirt.* Foreign materials such as dust, sand, lint, and abrasives can cause excessive bearing and brush wear. It is therefore important that the unit be installed in a reasonably clean location for best results.
- d. Connection. Remove the filter box cover (fig. 5-1). Insert the dc input cable through the cable clamp in the cover and connect the leads to the proper polarity terminals on the input terminal strip. Replace the cover and tighten the cable clamp. Plug the load cable into the ac receptacle in the filter box cover.

Section II. OPERATION

2-5. Stop

This section covers the operation of the motor generator and the operators maintenance instructions.

2-6. Operation

a. Starting. Turn on the dc power supply to the motor generator. Ac power is available at the duplex receptacle.

- b. Running. Air circulation through the ventilating openings must not be blocked. Avoid the circulation of dirt and foreign materials in the ventilating air.
 - c. Stopping. Turn off the dc power supply.
- d. Adjustments. No adjustments need be made on the motor generator.

OPERATOR'S MAINTENANCE INSTRUCTIONS

3-1. Scope of Maintenance

The following is a list of maintenance duties normally performed by the operator of the motor generator. These procedures do not require special tools or test equipment.

- a. Preventive maintenance (para 3-2).
- b. Cleaning (para 3-3).
- c. Deleted.
- d. Operational checks (para 3-4).

3-2. Preventive Maintenance

NOTE

Refer to TM 750-244-2 for proper procedures for destruction of this equipment to prevent enemy use.

- a. Operator/crew preventive maintenance is the systematic care, servicing and inspection of equipment to prevent the occurrence of trouble, to reduce downtime, and to maintain equipment in serviceable condition. To be sure that your motor generator is always ready for your mission, you must do scheduled preventive maintenance checks and services (PMCS).
- (1) BEFORE OPERATION, perform your B PMCS to be sure that your equipment is ready to go.
- (2) When an item of equipment is reinstalled after removal, for any reason, perform the necessary B PMCS (para 3-2.1) to be sure the item meets the readiness reporting criteria.
- (3) Use the ITEM NO. column in the PMCS table to get the number to be used in the TM ITEM NO. column on DA Form 2404 (Equip ment Inspection and Maintenance Worksheet) when you fill out the form.
- b. Routine checks like CLEANING, DUSTING, WASHING, CHECKING FOR FRAYED CABLES, STOWING ITEMS NOT IN USE, COVERING UNUSED RECEPTACLES, CHECKING FOR

LOOSE NUTS AND BOLTS, AND CHECKING FOR COMPLETENESS are not listed as PMCS checks. They are things that you should do any time you see they must be done. If you find a routine check like one of those listed in your PMCS, it is because other operators reported problems with this item.

NOTE

When you are doing any PMCS or routine checks, keep in mind the warnings and cautions.

WARNINGS

- Adequate ventilation should be provided while using TRICHLOROTRIFLUOROE-THANE. Prolonged breathing of vapor should be avoided. The solvent should not be used near heat or open flame; the products of decomposition are toxic and irritating. Since TRICHLOROTRIFLUO-ROETHANE dissolves natural oils, prolonged contact with skin should be avoided. When necessary, use gloves which the solvent cannot penetrate. If the solvent is taken internally, consult a physician immediate y.
- Compressed air is dangerous and can cause serious bodily harm if protective means or methods are not observed to prevent a chip or particle (of whatever size) from being blown into the eyes or unbroken skin of the operator or other Goggles must be worn at all personnel. times while cleaning with compressed air. Compressed air shall be not be used for cleaning purposes except where reduced to less than 29 pounds per square inch gage (psig) and then only with effective chip guarding and personnel protective equipment. Do not use compressed air to dry parts when trichlorotrifluoroethane has been used.

NOTES

The PROCEDURES column in your PMCS charts instruct how to perform the required checks and services. Carefully follow these instructions and, if tools are needed or the chart so instructs, get organizational maintenance to do the necessary work.

If your equipment must be in operation all the time, check those items that can be checked and serviced without disturbing operation. Make the complete checks and services when the equipment can be shut down.

c. Deficiencies that cannot be corrected must be reported to higher category maintenance personnel. Records and reports of preventive maintenance must be made in accordance with procedures given in TM 38-750.

NOTE

The checks in the interval column are to be performed in the order listed.

3-2.1. Operator/Crew Preventive Maintenance Checks and Services Chart

B — Before

Item No.	Interval B	Items to be Inspected	Procedures - Check for and have repaired or adjusted as necessary	Equipment is not Ready/Available If:
1	*	Motor Generator PU-724/G	Perform operational check as described in paragraph 3-4.	Unit does not run or produce ac.
2	*	Mission Essential Equipment	Check for completeness and satisfactory condition of the equipment. Report missing items.	Available equipment is insufficient to support the combat mission.

*Do this check before each deployment to a mission location. This will permit any existing problems to be corrected before the mission starts. The check does not need to be done again until redeployment.

3-3. Cleaning

Inspect the motor generator for cleanliness. It should be free of dirt, dust, grease, and fungus. Ventilating openings should be clean so that the internal fan can circulate cooling air while operating.

- a. Remove dust and loose dirt with a clean, soft cloth.
- b. Remove dust and dirt from plugs, receptacles, and ventilating openings with a brush.

3-4. Operational Checks

a. The motor generator should run freely when the dc power is turned-on. The receptacle should

have 110 volts, 60 Hz available. If unit does not run, first check dc power supply and then the dc brushes. If unit runs but does not produce ac, check ac brushes. If severe arcing is observed on dc commutator, the motor generator should be sent to higher level of maintenance for commutator service.

b. There are no adjustments for the motor generator. If it does not operate after performing a above, remove and replace (para 4-9).

ORGANIZATIONAL MAINTENANCE INSTRUCTIONS

4-1. Scope of Organizational Maintenance

- a. Paragraphs 4-2 through 4-10 cover organizational maintenance of the motor generator. Refer to paragraphs 2-1 through 2-4 for installation of this equipment; and to paragraphs 2-6 and 2-6 for its operation.
- b. Organizational maintenance for the motor generator PU-724/G consists of the following:
 - (1) Preventive maintenance (para 4-3). paragraph 4-1 <u>b</u> 2) deleted.
- (3) Preventive maintenance checks and services chart (para 4-4).

Paragraph 4-1 b (4) deleted.

Paragraph 4-1 b (5) deleted.

- (6) Checking brushes (para 4-7).
- (7) Removal and replacement of brushes (para 4-8).
- (8) Removal and replacement of motor generator (para 4-9).
 - (9) Troubleshooting (para 4-10).

4-2. Tools, Materials, and Test Equipment Required

- a. The only tools required to perform maintenance at this level are included in TE-50B, NSN 5180-00-356-4602.
 - b. Materials.
- (1) Trichlorotrifluoroethane (NSN 6850-00-105-3084).

WARNING

Adequate ventilation should be provided TRICHLOROTRIFLUOROwhile using Prolonged breathing of vapor ETHANE. The solvent should should be avoided. not be used near heat or open flame; the products of decomposition are toxic and Since TRICHLOROTRIirritating. FLUOROETHANE dissolves natural oils. prolonged contact with skin should be avoided. When necessary, use gloves which the solvent cannot penetrate. If the solvent is taken internally, consult a physician immediately.

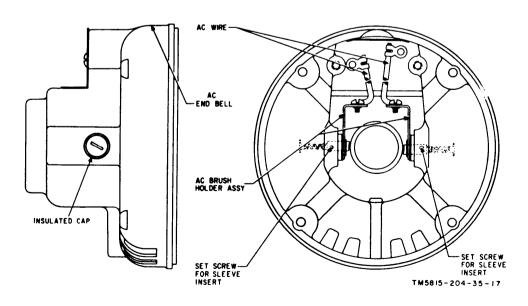


Figure 4-1. Motor generator, ac endbell.

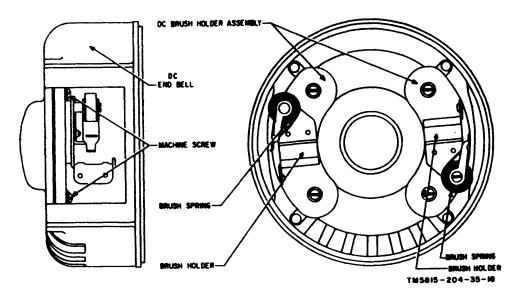


Figure 4-2. Motor generator, dc endbell.

(2) Cleaning cloths.

4-3. Preventive Maintenance

NOTE

Refer to TM 750-244-2 for proper procedures for destruction of this equipment to prevent enemy use.

- a. Organizational preventive maintenance procedures are designed to help maintain equipment in serviceable condition. They include items to be checked and how to check them. These checks and services, described in paragraph 4-4, outline inspections that are to be made at specific quarterly (Q) intervals.
- (1) Quarterly PMCS are important checks to keep serious problems from suddenly happening.
- (2) Use the ITEM NO. column in the PMCS table to get the number to be used in the TM ITEM NO. column on DA Form 2404 (Equipment Inspection and Maintenance Worksheet) when you fill out the form.

b. Routine checks like CLEANING, DUSTING, WASHING, CHECKING FOR FRAYED CABLES, STOWING ITEMS NOT IN USE, COVERING UNUSED RECEPTACLES, CHECKING FOR LOOSE NUTS AND BOLTS, AND CHECKING FOR COMPLETENESS are not listed as PMCS checks. They are things that you should do any time you see they must be done. If you find a routine check like one of those listed in your PMCS, it is because other operators reported problems with this item.

NOTE

When you are doing any PMCS or routine checks, keep in mind the warnings and cautions.

WARNINGS

- Adequate ventilation should be provided while using TRICHLOROTRIFLUORO-ETHANE. Prolonged breathing of vapor should be avoided. The solvent should not be used near heat or open flame; the products of decomposition are toxic and irritating. Since TRICHLOROTRIFLUORO-ETHANE dissolves natural oils, prolonged contact with skin should be avoided. When necessary, use gloves which the solvent cannot penetrate. If the solvent is taken internally, consult a physician immediately.
- Compressed air is dangerous and can cause serious bodily harm if protective means or methods are not observed to prevent a chip or particle (of whatever size) from being blown into the eyes or unbroken skin of the operator or other personnel. Goggles must be worn at all times while cleaning with compressed air. Compressed air shall not be used for cleaning purposes except where reduced to less than 29 pounds per square inch gage (psig) and then only with effective chip guarding and personnel protective equipment. Do not use compressed air to dry parts when trichlorotrifluoroethane has been used.

NOTES

The PROCEDURES column in your PMCS charts instruct how to perform the required checks and services. Carefully follow these instructions and, if tools are needed or the chart so instructs, get higher category maintenance to do the necessary work.

If your equipment must be in operation all the time, check those items that can be checked and serviced without disturbing operation. Make the complete checks and services when the equipment can be shut down.

c. Deficiencies that cannot be corrected must be reported to higher category maintenance personnel. Records and reports of preventive maintenance must be made in accordance with procedures given in TM 38-750.

NOTE

The checks in the interval column are to be performed in the order listed.

4-4. Organizational Preventive Maintenance Checks and Services Chart

Q - Quarterly

Item No.	Interval Q	Item to be Inspected	Procedures
1	•	Motor Generator PU-724/G	Perform operational check as described in paragraph 3-5.

Paragraph 4-5 deleted.

Paragraph 4-6 deleted.

4-7. Checking Brushes

a. After initial installation or after new brushes are installed, check the ac brushes after 1000 hours of operation and every 200 hours thereafter. Remove the cap of each ac brush (fig. 4-1) and lift out the brush. If the working face is worn down to the end of the wear line, it should be replaced (para 4-8). Replace the brush exactly as it was removed until a new brush is installed. Do not interchange brushes.

CAUTION

When removing the dc brushes, mark the brushes in a manner which will insure your replacing them in exactly the same position they were in the brush holders before you removed them. Incorrect replacement of dc brushes will cause arcing on commutator segments and thus create noise interference to equipment and excessive commutator wear due to the arcing.

b. After initial installation or after new dc brushes are installed, check the brushes after 1000 hours of operation and every 200 hours thereafter. Remove the cover plates over the dc brushes (figs. 4-2 and 5-1). Lift the finger over the brush and lift out the brush. If the working face is worn down to the end of the wear line, it should be replaced (para 4-8). Replace the brush exactly as it was removed until a new brush is installed.

4-8. Removal and Replacement of Brushes

Replacement of brushes is required when inspection (para 4-7) shows that they are worn down to the wear line. A full set of spare brushes is shipped with the motor generator.

a. Ac Brushes. See paragraph 4-7 *a* for brush checking procedure. When replacing with new brushes, the curvature must be observed to insure proper seating and contact with the sliprings.

b. Dc Brushes. See paragraph 4-7 b for brush checking procedure. Remove the machine screws that secure the brush leads to the brush holders. Place the new brush in the holder, observing the curvature and polarity marking. Place the terminal under the machine screw in the holder and tighten. See that spring and finger move freely and press down on top of brush in holder.

c. Brushes will reseat to the curvature of the sliprings and commutator after several hours of operation.

4-9. Removal and Replacement of Motor Generator

- a. Removal.
- (1) Remove the dc power cable plug from its termination point.
 - (2) Remove any plugs that may have been

plugged into the output receptacle on the motor generator.

- (3) Remove the four capscrews, lockwashers, and plain washers that secure the motor generator to the shelter frames, and remove the motor generator.
- *b. Replacement. Refer to* paragraphs 2-1 through 2-4 for installation.

4-10. Troubleshooting

a. General. Troubleshooting the motor generator consists of isolation of the trouble. If the defect is within the scope of operator or organizational maintenance, the repair will be accom-

plished by that category of maintenance. Defects beyond the scope of organisational maintenance will be referred to higher category of maintenance. However, troubleshooting performed at the organizational maintenance category can determine which part of the generator is defective.

b. Procedure. Perform the preventive maintenance checks and services (para 4-4) to determine if there is any cause for failure to operate. If no cause for failure to operate can be found and corrected, remove faulty unit and replace (pars 4-9) with a motor generator which is in good operating condition.

DIRECT SUPPORT MAINTENANCE INSTRUCTIONS

5-1. General

- a. The direct support maintenance procedures in this paragraph and paragraphs 5-2 through 5-7 supplement the procedures described in chapters 3 and 4. The systematic troubleshooting procedures, which began at the operator's and organizational maintenance level, are carried to a higher level in this chapter.
- b. A thorough visual check of the equipment should be made when trouble occurs. Check for broken or disconnected cables. Check for damaged or broken enclosures on the motor generator or filter box.

5-2. Troubleshooting Procedures

The first procedures of troubleshooting are done at the operator's and organizational maintenance categories (paras 3–4 and 4–10). The troubleshooting procedures given in this chapter further isolate the trouble and give repair information as applicable at this category of maintenance.

5-3. Test Equipment, Tools, and Other Equipment Required

All test equipment, tools, and other equipment required to perform the testing procedures given in this section are listed in the following charts:

a. Test Equipment.

Nomenclature	Federal stock no.	Technical reference
Multimeter TS-352B/U	6625-553-0142	TM 11-6625-366-15
Electrical Power Test Set TS-914/U	6625-542-1289	TM 11-6625-303-12

b. Tools.

Nomenclature	Federal stock no.	Technical reference
Toolkit, Electronic Equipment TK-105/G Bearing Puller, Owatonna Tool Company No. 950 or equal.	5180-610-8177	SC 5180-91-CL-R07

c. Other Equipment.

Nomenclature	Pederal stock no.	Technical reference
Cable, power, electrical ^a (or any 2 conductor #10 AWG cable).	6145-161-0798	fig. 6-1
Cord, power CX-237(*)/U. b		fig. 6-1

^{*} Five feet long.

5-4. Troubleshooting Motor Generator

Whenever difficulty is experienced with a motor generator, a visual inspection (a below) may locate the fault. If visual inspection does not locate the fault, proceed with the electrical tests (b below). The troubleshooting chart (para 5-5) provides additional assistance in locating trouble.

- a. Make a visual inspection of the unit. This will frequently disclose a loose or broken wire or other obvious cause for faulty operation or failure.
- b. Make the following electrical tests in order to locate electrical faults. Before making any tests on the motor generator (except operational

Indicates CX-237/U and CX-237A/U.

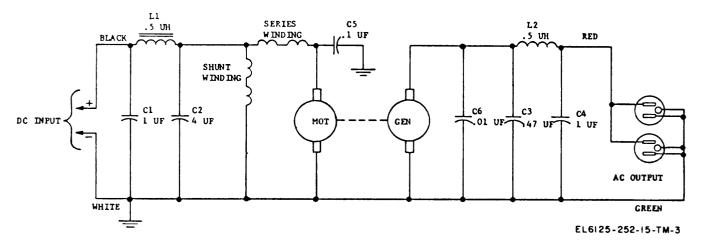


Figure 5-2. Motor generator, schematic diagram.

tests), disconnect the dc power supply. Multimeter TS-352B/U may be used for making continuity tests and checking dc voltage and current.

(1) Armature Test.

- (a) Test for ground. First lift the brushes from both the commutator and sliprings and block them in the raised position. With Multimeter TS-352B/U, test between the armature shaft and each slipring. Test between the armature shaft and each segment of the commutator. A closed circuit reading indicates that the part under test is shorted to ground. Check for worn or dirty insulation or foreign metallic materials.
- (b) Test for open circuit. Place one of the test prods of the multimeter on one of the segments of the commutator. Place the other test prod on the adjoining segment. Keep the first prod in contact with the one segment and move the second prod from segment to segment, completely around the commutator, until a check of all commutator segments has been made. No reading indicates an open circuit. If an open circuit is indicated, inspect the soldered connection on the end of the segment. To test the ac circuit, place one test prod on each of the sliprings. No reading indicates that the circuit is open.
- (2) Capacitor tests. Before testing a capacitor, disconnect one end. Make a continuity test between the two terminals of the capacitor. If continuity is indicated, the capacitor is short

circuited and must be replaced. The best test for a capacitor is to substitute a good capacitor for the one suspected of being faulty. To be safe, replace any capacitor suspected of causing trouble.

(3) Field test.

- (a) Lift the brushes from the armature commutator and block them in the raised position. With Multimeter TS-352B/U, test the shunt field coil circuit for continuity. If circuit is complete, check resistance of the total field circuit. The resistance should be from 17 to 19 ohms at 20° C. If circuit is open or resistance is incorrect, field shell assembly must be replaced unless broken wire is located.
- (b) Check series field for continuity between A+ terminal, located on the dc input terminal strip in the filter box, and positive brush holder.

5-5. Troubleshooting Charts for Motor Generator

The troubleshooting charts that follow list various troubles and trouble symptoms that may be readily detected. When the type of trouble has been determined, check the various points listed under possible causes and then correct the difficulty in accordance with instructions listed under remedy. Where disassembly is required, refer to paragraph 5-6 for procedures.

a. Unit Fails to Start.

Possible causes	What to check	Remedy
No dc input; open in dc circuit	Inspect dc wiring inside of filter box. Test dc components in filter box. See figures 5-1 and 5-2.	Correct faulty wiring inside filter box. Replace faulty dc filter components. See figures 5-1 and 5-2.
Dc brush not making contact	Check for weak or broken brush spring. Measure brush length for worn brushes. Check brushes for free movement in holders.	Replace faulty brush spring. Replace any brush worn below 1/2 inch, Refer to paragraph 4-8 <i>b.</i>
Armature jammed	Remove inspection cover and try to turn it by hand. Check the bearings. Check for foreign material or broken brush causing jamming.	Refer to paragraph 5-6. Replace broken brush causing jamming. Remove for- eign material around armature. Check bearing alignment. Refer to depot cate- gory for replacement of bearings.
b. Unit Runs but Does not De	eliver Current.	
Possible causes	What to check	Remedy
Open ac circuit	Inspect ac wiring and connections. Test filter coils.	Repair or replace faulty part.
Ac brushes not making good contact.	Inspect for weak or broken brush spring (fig. 4-1). See that brushes move freely in holders. Check brush length against wear line.	Replace broken spring. Clean brushes and brush holders. Replace worn brushes.
Partial short in ac circuit	Test wiring. Test filter capacitors under load.	Repair or replace faulty wiring. Replace capacitors.
c. Low Ac Output Voltage.		
Possible causes	Wkat to check	Remedy
Low dc input voltagePartial short in ac circuit	Test dc input voltage See b above	Correct cause of low dc input voltage. See b above.
d. Speed or Frequency Above	e or Below Normal.	
Possible causes	What to check	Remedy
High or low dc input voltage	Test dc input voltage	Correct cause of high or low input voltage.
e. Excessive Sparking at Br	ushes.	
Probable cause	What to check	Remedy
Brushes out of position	Check position of brush holderCheck for broken brush spring	Adjust brush holder. Replace broken spring.
Brush sticking in holder Overload on unit	Check for broken or cracked brushes. Check for free brush movement Check load for shorts	Clean brush and brush holder. Reduce load.
f. Unit Overheats.		
Possible Causes	What to check	Remedy
Unit overloaded	See e above	See e above.
Poor ventilation	Inspect ventilating air intake and outlet.	Clean ventilating air screens.
g. Bearings Overheated.		
Possible cause	What to check	Remedy
Bearings misaligned	Check fit of endbells	Adjust seating of endbells.
h. Noisy Operation.		
Possible cause	What to cheek	Remedy
Unit is loose	Inspect mounting bolts	Tighten mounting bolts.

i. Unit Causes Radio Interference.

Possible cause What to check Remedy

Faulty capacitor. Defective coil Sparking at commutator or sliprings.

Test capacitors -----Test coils for continuity and to ground
Inspect commutator, sliprings, and
brushes.

--- Replace faulty capacitor.

nd Repair or replace faulty part.

and Clean commutator or sliprings; replace

5-6. Repair

When the troubleshooting procedure locates a fault in the motor generator requiring disassembly and reassembly in order to make the repair, follow the procedures below, Refer to figure 5-1 for an exploded view of the motor generator and to figure 5-2 for the schematic wiring diagram.

- a. Disassembly is accomplished by proceeding with the following steps:
 - (1) Remove the ac brushes (A128).
 - (2) Remove the dc brushes (A111).
- (3) Remove the inspection plate (A120) above the ac brushes.
- (4) Remove the .01 μ f mica capacitor (A163) (fig. 5-1) and the ac wires (fig. 4-1) from the ac brush holder assemblies.
- (5) Remove the four hexagonal nuts and split lockwashers from the thru bolts of the frame. Remove the thru bolts.
- (6) Remove the ac endbell (A193) from the field frame.
- (7) Carefully remove the armature (A195) while holding the baffle plate (A198). Armature shaft bearings (A196 and A197) will remain on the shaft. After the armature is removed, the baffle plate (A198) will fall free; remove.

NOTE

If the armature shaft bearings have to be removed for replacement, proceed with (8) below. If not, omit this Step.

- (8) Remove the armature shaft bearings from the shaft, using a bearing puller.
- (9) Remove the two dc leads to the dc brush holders (fig. 4-2).
- (10) Remove the dc endbell (A161) from the field frame.
- (11) Loosen the machine screws on the cable clamp (A008) that holds the input power cable to the filter box cover. Remove the four machine screws that hold the filter box cover (A017) to the filter box base (A095); lift the cover.
 - (12) Remove the two machine screws, hex-

agonal nuts, and lockwashers that hold the ac output receptacle (A010) in the filter box cover; remove the receptacle from the cover.

- (13) Remove the dc input power wires from the dc input terminal block (A082), noting the terminals from which they were removed; remove the input cable and filter box cover from the rotary converter.
- (14) Remove the heavy black and white field coil wires from the terminal block, noting the terminals from which they were removed. Remove the ac wires from the ground lug and choke coil L2 (A041). Remove the field coil wire from the terminal post connected to choke coil L1 (A036).
- (15) Remove the four machine screws and lockwashers that secure the filter base assembly to the rotary converter; carefully remove the filter base assembly from the rotary converter frame, noting where the respective field coil wires come through the rubber grommets on the base.

NOTE

If the ac or dc brush holder assemblies have to be removed for replacement, proceed with (16) and (17) below. If not, omit these steps.

- (16) Remove the setscrews that secure the ac brush holder assemblies in the ac endbell; remove the ac brush assemblies.
- (17) Remove the four machine screws and lockwashers that secure the dc brush holder assemblies to the dc endbell; remove the two brush holder assemblies (A146).
- b. Reassembly is accomplished by proceeding with the following steps. Replace worn or damaged parts with new parts.
- (1) Guide the field coil wires through their respective grommets in the filter base assembly and position the filter base assembly on the rotary converter; secure the filter base to the converter with the four lockwashers and machine screws.
- (2) Connect one ac wire to the ground lug and the other to choke coil L2 (A041).
 - (3) Connect the heavy black and white field

coil wires to the proper terminals on the terminal block from which they were removed.

(4) Connect field coil wire to the terminal post connected to choke coil L1.

NOTE

If the ac or dc brush holder assemblies were removed, proceed with (5) and (6) below. If not, omit these steps.

- (5) Position the dc brush holder assemblies into the dc endbell, and secure the assemblies with the four machine screws and lockwashers which were removed.
- **(6)** Position the ac brush holder assemblies into the ac endbell and secure the assemblies with the setscrews which were removed.
- (7) Position the dc endbell onto the field frame and connect the two dc leads, which were removed, to the dc brush holders.
- **(8)** Place the armature shaft bearings on each end of the shaft, if these were removed or replaced and carefully press them onto the shaft.
- **(9)** Place the baffle plate into position and, while holding the plate, carefully insert the armature through the plate and field frame to the dc endbell. Be sure the armature shaft bearing (A197) seats properly in the dc endbell.
- (10) Place the four thru bolts into the dc endbell through the field frame (A210) and baffle plate (A198).
- (11) Position the ac endbell into place; use the four through bolts as guides, while carefully seating the armature shaft bearing in the ac endbell.

- (12) Place the four hexagonal nuts and split lockwashers onto the through bolts. Carefully tighten them and, at the same time, turn the armature by hand to check for freedom of rotation.
- (13) Connect the ac wires and mica capacitor (A163) to the ac brush holder assemblies.
 - (14) Replace the ac brushes (para 4-8 a).
 - (15) Replace the dc brushes (para 4-8 b).
- (16) Connect the input power wires to the terminal block.
- (17) Assemble the output receptacle in the filter box cover with two machine screws, lockwashers, and hexagonal nuts.
- (18) Attach the cover to the filter box with four lockwashers and machine screws.
- (19) Tighten the machine screws on the input power cable clamp.
- (20) After testing (para 5-7), position the inspection plate above the ac brushes and secure. Position the metal inspection and filter covers on the dc endbell and secure.

5-7. Testing Motor Generator

a. After repair (para 5–6), plug the power cable into a 27.5-volt dc source. If test cables are needed, provide as shown in figure 6-1. Check both the ac and dc brushes for nonarcing operation, which indicates proper seating. If brushes are not seated, run unit for several hours and check for a minimum of three fourths of the face to be seated.

b. Measure the ac voltage and frequency, using Electrical Power Test Set TS-914/U.

GENERAL SUPPORT AND DEPOT MAINTENANCE

6-1. General

General support and depot maintenance procedures in this paragraph and 6–2 through 6–5 supplement the procedures described in paragraphs 5–1 through 5–6. Tools and test equipment required to test and repair the motor generator are also listed. Applicable tests must be performed after the unit has been repaired,

6-2. Troubleshooting Procedures

The troubleshooting procedures for this category

of maintenance are identical to those given in paragraphs 3–4, 4–10 and 5–4. Use the trouble-shooting chart in paragraph 5–5.

6-3. Test Equipment, Tools, and Materials Required

The following chart lists the test equipment cables, connectors, and special tools required for general support and depot maintenance of the motor generator.

a. Test Equipment.

Nomenclature	Federal stock no.	Technical reference
Multimeter ME-26A/U	**********	TM 11-6625-200-12 TM 11-6625-366-15 TM-11-5126 TM 11-6625-303-12

b. Tools.

Nomenclature	Federal stock no.	Technical reference
Toolkit, Electronic Equipment TK-105/G Bearing Puller, Owatonna Tool Company No. 950 or equal.	5180-610-8177	SC 5180-91-CL-R07

c. Other Equipment.

Nomenclature	Federal stock no.	Technical reference
Cable, power, electrical* (or any two conductor #10AWG cable).	6145-161-0768	Fig. 6-1
Cord, power CX-237(*)/U. Braining Tensistor, 120 ohms 140 watts fixed, wirewound	5905-263-4099	Fig. 6-1 None.
(3 ea). Clip, electrical: alligator style (3 ea)	I 5940-186-9833	None.

^{*} Five feet long.

6-4. Repair of Motor Generator

Follow the procedures for repair of the motor generator given in paragraph 5-6.

6-5. Testing Procedures

a. General. Testing procedures are prepared

for use by Signal field maintenance shops and Signal service Organizations responsible for general support maintenance to determine the acceptability of repaired signal equipment. These procedures set forth specific requirements that repaired signal equipment must meet before it

^bIndicates CX-237/U and CX-237A/U.

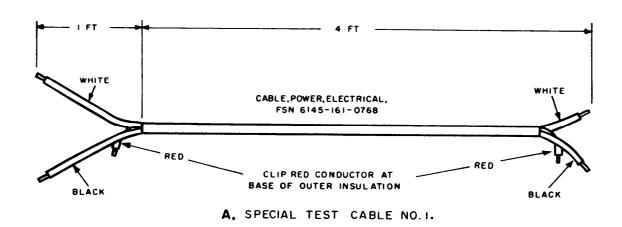
TM 11-6125-252-15

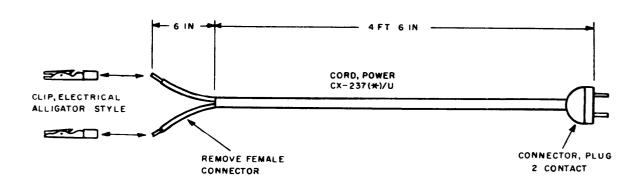
is returned to the using organization. The testing procedures may also be used as a guide for testing equipment repaired at direct support maintenance if the proper tools and test equipment are available. See paragraph 1–5 *a* and *b* for performance standards.

b. Each test depends on the preceding one for certain operating procedures and, where applicable, for test equipment calibrations. Comply with the instructions preceding the body of each chart before proceeding to the chart. Perform each test in sequence. Do not vary the sequence. For each step, perform all the actions required in the Test equipment control setting and Equip-

ment under test control setting columns; then perform each specific test procedure and verify it against its performance standard.

- c. Special requirements. The following must be performed in preparation for the motor generator test (para 6–7).
- (1) Loosen the motor generator filter box cover as much as necessary to remove Cable Assembly, Power CX-4541/U. Note the location of the black and white conductors.
- (2) Fabricate special test cable No. 1 (fig. 6-1) and connect it in place of the CX-4541/U. Connect the black and white conductors at their proper terminals.





B. SPECIAL TEST CABLE NO.2.

EL6125-252-15-TM-4

Figure 6-1. Special test cables.

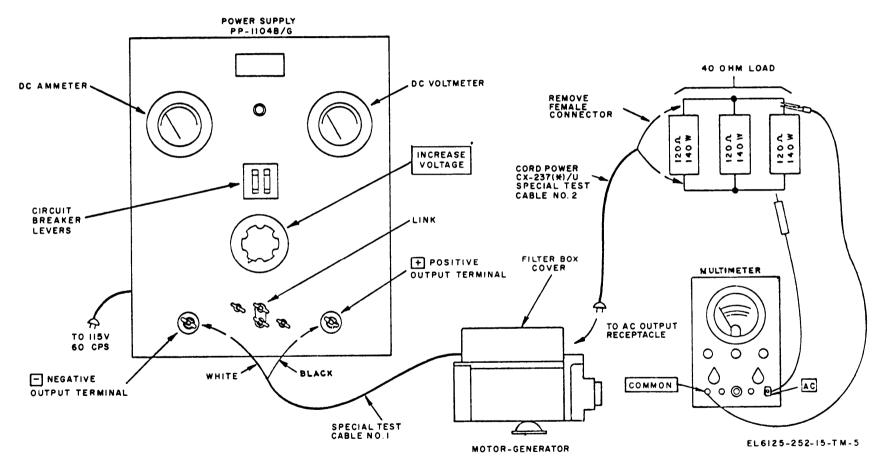


Figure 6-2. Motor generator, electrical tests.

6-6. Motor Generator, physical Tests and Inspection

- a. Test Equipment and Materials. None.
- b. Test Connections and/or Conditions. None.
- c. Test Procedure.

Step No.	Test equipment control settings	Equipment under teat control settings	Test procedure	Performance standard
1	None	None	 a. Check the rotary converter power cable insulation. b. Check air vents for accumulation of dirt or dust. c. Check ac output receptacles and brush caps for physical damage. d. Check unit for condition of finish Note. Touchup painting is recommended whenever practical. Screw heads and receptacles will not be painted or polished with brasives. 	 a. Cable insulation should not be cracked or worn. b. Air vents should be clean and free from matter which could impair ventilation. c. Items mentioned should not be damaged. d. Only surfaces intended to be painted should be painted. Name plate should be clearly marked.

6-7. Motor Generator, Electrical Tests

a. Test Equipment and Materials.

Multimeter ME-26 (*) /U.

Special test cable No. 1 (fig. 6-1)

Power Supply PP-1104 (*) /G.

Cord, Power CX-237 (*) /U. Test cable No. 2 (fig. 6-1).

Resistor, fixed, wirewound (3 each) 120 ohms, 140 watts.

- b. Test Connections and/or Conditions. Connect equipment as illustrated in figure 6-2. Connect special test cable No. 1 as instructed in paragraph 6-5 c.
 - c. Test Procedure.

Step No.	Teat equipment control settings	Equipment under test control settings	Test procedure	Performance standard
1	PP-1104(*)/G INCREASE VOLTAGE: fully counterclockwise. Link: arranged as shown in figure. Circuit breaker lever: ON ME-26(*)/U FUNCTION switch: AC. RANGE switch: 300V.		 a. Rotate PP-1104(*)/G INCREASE VOLTAGE clockwise, until dc voltmeter indicates 27.5 volts. b. Observe PP-1104(*)/G dc ammeter indication. c. Observe ME-26 (•)/U meter indication. 	 a. None. b. Indication should not be greater than 24 amperes. c. Should indicate 115 ± 5 volts.

PREPARATION OF EQUIPMENT FOR RESHIPMENT

Section I. PREPARATION OF EQUIPMENT FOR RESHIPMENT

7-1. General

The motor generator is normally shipped in a lined, corrugated paper carton. The preparations for local shipment and for limited storage are the same.

7-2. Repackaging for Shipment or Limited Storage

The exact procedure for repackaging depends on the material available and the conditions under which the equipment is to be shipped or stored. Secure all loose items and cables. Adapt the procedures outlined below whenever possible. The information contained in the original packaging (para 2-1) will also be helpful.

a. Material Requirements. The following materials are required for packing Motor Generator

PU-724/G. For stock numbers of materials, consult SB 38-100.

Material	Quantity		
Waterproof paper	10 Sq ft		
Waterproof tape	15 ft		
Corrugated cardboard	30 sq ft		
Gummed paper tape	30 ft		
Plywood, 3/8 in 7	1/2 in. x 15in.		

- b. Packaging. The motor generator is to be packaged as follows:
 - (1) Mount unit on plywood base.
 - (2) Make inside carton to accept unit.
- (3) Make filler and place filler and motor generator in inside carton.
 - (4) Wrap with waterproof paper and seal.
- (5) Make outside carton to accept package in (4) above.
 - (6) Secure the wrap with gummed tape.

Section II deleted.

APPENDIX A

REFERENCES

Following is a list of applical PU-724/G.	ble references available to the personnel concerned with Motor Generator
DA Pam 310-1	Consolidated Index of Army publications and Blank Forms.
SB 38-100	Preservation, Packaging and Packing Materials, Supplies and Equipment Used by the Army.
TM 11-5815-204-10	Operator Manual: Radio Teletypewriter Sets AN/GRC-46, AN/GRC-46A (NSN 5815-00-543-1760), AN/GRC-46B (5815-00-570-5488), AN/GRC-46C (5815-00-082-4205) and AN/VRC-29 (5815-00-543-1758).
TM 11-5815-204-20	Organizational Maintenance Manual: Radio Teletypewriter Sets, and AN/GRC-46, AN/GRC-46A (NSN 5815-00-543-1760, AN/GRC-46B (5815-00-570-5488), AN/GRC-46C (5815-00-082-4205) and AN/VRC-29 (5815-00-543-1758).
TM 11-5815-204-35	Field and Depot Maintenance Manual Radio Teletypewriter Sets, AN/GRC-46, AN/GRC-46A and AN/GRC-46B and AN/VRC-29t
TM 38-750	The Army Maintenance Management Systems (TAMMS),
TM 740-90-1	Administrative Storage of Equipment.
TM 750-244-2	Procedures for Destruction of Electronics Materiel to Prevent Enemy Use.

APPENDIX B MAINTENANCE ALLOCATION

Section I. INTRODUCTION

B-1. General

This appendix provides a summary of the maintenance operations for Motor-Generator PU-724/G. It authorizes categories of maintenance for specific maintenance functions on repairable items and components and the tools and equipment required to perform each function. This appendix may be used as an aid in planning maintenance operations.

B-2. Maintenance Function

Maintenance functions will be limited to and defined as follows:

- a. Inspect. To determine the serviceability of an item by comparing its physical, mechanical, and/or electrical characteristics with established standards through examination.
- b. Test. To verify serviceability and to detect incipient failure by measuring the mechanical or electrical characteristics of an item and comparing those characteristics with prescribed standards.
- c. Service. Operations required periodically to keep an item in proper operating condition; i.e., to clean (decontaminate), to preserve, to drain, to paint, or to replenish fuel, lubricants, hydraulic fluids, or compressed air supplies.
- d. Adjust. To maintain, within prescribed limits, by bringing into proper or exact position, or by setting the operating characteristics to the specified parameters.
- e. Align. To adjust specified variable elements of an item to bring about optimum or desired performance.
- f. Calibrate. To determine and cause corrections to be made or to be adjusted on instruments or test measuring and diagnostic equipments used in precision measurement. Consists of comparisons of two instruments, one of which is a certified standard of known accuracy, to detect and adjust any discrepancy in the accuracy of the instrument being compared.
- g. Install. The act of emplacing, seating, or fixing into position an item, part, module (component or assembly) in a manner to allow the proper functioning of the equipment or system.
- h. Replace. The act of substituting a serviceable like type part, subassembly, or module (component or assembly) for an unserviceable counterpart.
- i. Replace. The application of maintenance services (inspect, test, service, adjust, align, calibrate, replace) or other maintenance actions (welding,

- grinding, riveting, straightening, facing, remachining, or resurfacing) to restore serviceability to an item by correcting specific damage, fault, malfunction, or failure in a part, subassembly, module (component or assembly), end item, or system.
- j. Overhaul. That maintenance effort (service/action) necessary to restore an item to a completely serviceable/operational condition as prescribed by maintenance standards (i. e., DMWR) in appropriate technical publications. Overhaul is normally the highest degree of maintenance performed by the Army. Overhaul does not normally return an item to like new condition.
- k. Rebuild. Consists of those services/actions necessary for the restoration of unserviceable equipment to a like new condition in accordance with original manufacturing standards. Rebuild is the highest degree of materiel maintenance applied to Army equipment. The rebuild operation includes the act of returning to zero those age measurements (hours, miles, etc.) considered in classifying Army equipments/components.

B-3. Column Entries

- a. Column 1, Group Number. Column 1 lists group numbers, the purpose of which is to identify components, assemblies, subassemblies, and modules with the next higher assembly.
- b. Column 2, Component/Assembly. Column 2 contains the noun names of components, assemblies, subassemblies, and modules for which maintenance is authorized.
- c. Column 3, Maintenance Functions. Column 3 lists the functions to be performed on the item listed in column 2. When items are listed without maintenance functions, it is solely for purpose of having the group numbers in the MAC and RPSTL coincide.
- d. Column 4, Maintenance Category. Column 4 specifies, by the listing of a "work time" figure in the appropriate subcolumn(s), the lowest level of maintenance authorized to perform the function listed in column 3. This figure represents the active time required to perform that maintenance function at the indicated category of maintenance. If the number or complexity of the tasks within the listed maintenance function vary at different maintenance categories, appropriate "work time" figures will be shown for each category. The

TM 11-6125-252-15

number of task hours specified by the "work time" figure represents the average time required to restore an item (assembly, subassembly, component, module, end item or system) to a servicable condition under typical field operating conditions. This time includes preparation time, troubleshooting time, and quality assurance/quality control time in addition to the time required to perform the specific tasks identified for the maintenance functions authorized in the maintenance allocation chart. Subcolumns of column 4 are as follows:

C — Operator/Crew

O - Organizational

F — Direct Support

H — General Support

D — Depot

- e. Column 5, Tools and Equipment. Column 5 specifies by code, those common tool sets (not individual tools) and special tools, test, and support equipment required to perform the designated function.
- f. Column 6, Remarks. Column 6 contains an alphabetic code which leads to the remark in section IV, Remarks, which is pertinent to the item opposite the particular code.

B-4. Tool and Test Equipment Requirements (Sec III).

- a. Tool or Test Equipment Reference Code. The numbers in this column coincide with the numbers used in the tools and equipment column of the MAC. The numbers indicate the applicable tool or test equipment for the maintenance functions.
- b. Maintenance Category. The codes in this column indicate the maintenance category allocated the tool or test equipment.
- c. Nomenclature. This column lists the noun name and nomenclature of the tools and test equipment required to perform the maintenance functions.
- d. National/NATO Stock Number. This column lists the National/NATO stock number of the specific tool or test equipment.
- e. Tool Number. This column lists the manufacturer's part number of the tool followed by the Federal Supply Code for manufacturers (5-digit) in parentheses.

B-5. Remarks (Sec IV).

- a. Reference Code. This code refers to the appropriate item in section II, column 6.
- b. Remarks. This column provides the required explanatory information necessary to clarify items appearing in section II.

MOTOR GENERATOR

PU-724/G

(1)	(2) COMPONENT/ASSEMBLY	(3) MAINTENANCE	м	(4) MAINTENANCE CATEGORY			Y	(5) TOOLS	(6) REMARKS
GROUP COMPONENT/ASSEMBLY NUMBER	COMPONENT/ASSEMBLT	FUNCTION	С	0	F	н	D	AND EQPT.	
00	Motor Generator	Inspect	0.2						A
	PU-724/G	Test		0.2				1	
	10 /14/0	Test			0.3			2, 3	
		Test				0.3		2, 3, 4,5	
		Service			0.3			6	
		Adjust			0.3			6	
		Replace		0.3				1	
		Repair		0.3				1	В
		Repair			1.0			6, 7	
		Rebuild		1			4.0	6, 7	
			}						
				ĺ					
							1		
								1	
			}						
			1	1					
									İ
			ĺ			1	1		1

B-3, Change 1

SECTION III TOOL AND TEST EQUIPMENT REQUIREMENT>, FOR

TM 11-6125-252-15

MOTOR - GENERATOR

PU-724/G

TOOL OR TEST	MAINTENANCE	NOMENCI ATURE	NATIONAL NATO	
EQUIPMENT REF CODE	CATEGORY	NOMENCLATURE	STOCK NUMBER	TOOL NUMBER
1	0	Tool Equipment TE-50B	5180-00-356-4602	
2	F, H, D	Multimeter TS - 352 B/U	6625-00-553-0142	
3	F, H, D	Electrical Power Tester AN/UPM - 100 (see note 1)	6625-00-542-1290	
4	н, D	Multimeter ME - 26 () /U	6625-00-646-9409	
5	H, D	Power Supply PP-1104B/G or equiv	6130-00-635-4900	
6	F, H, D	Tool Kit, Electronic equipment TK-105/G	5180-00-610-8177	
7	F, H, D	Bearing puller	*	
		* THE NATIONAL STOCK NUMBER THAT IS MISSING FROM THIS LIST HAS BEEN REQUESTED AND WILL BE ADDED BY A CHANGE TO THE LIST UPON RECEIPT.		
			1	
	1			
	İ			
Note 1: Contain	ns electrical power to	est set TS-914/U.		

B-4, Change 1

SECTION IV. REMARKS

REFERENCE CODE	REMARKS
A	Exterior and brushes
В	Repair by replacement of brushes
<u> </u>	
L	

APPENDIX C

ORGANIZATIONAL, DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOL LISTS

Section I. INTRODUCTION

C-1. Scope

This appendix lists repair parts and special tools required for the performance of organizational, direct support, general support, and depot maintenance of the PU-724/G.

C-2. General

This repair parts and special tools list is divided into the following sections:

- a. Prescribed Load Allowance (PLA) Section II. Not applicable.
- b. Repair Parts for Organizational Maintenance—Section III. A list of repair parts authorized for the performance of maintenance at the organizational level.
- c. Special Tools, Test, and Support Equipment for Organizational Maintenance Section IV. Not applicable.
- d. Repair Parts for Direct Support, General Support, and Depot Maintenance—Section V. A list of repair parts authorized for the performance of maintenance at the direct support, general support, and depot level.
- e. Special Tools, Test, and Support Equipment for Direct Support, General Support, and Depot Maintenance—Section VI. Not applicable.
- f. Index-Federal Stock Number or Reference Number Cross-Reference to Figure and Item Number or Reference Designation—Section VII. A list of Federal stock numbers in ascending numerical sequence (sec. VII.1), followed by a list of reference numbers appearing in ascending alphanumeric sequence (sec. VII.2), cross-referenced to the figure number and reference designation.
 - g. Index—Reference Designation Cross-Refer-

ence to Page Number—Section VIII. A list of reference designations cross-referenced to page numbers.

C-3. Explanation of Columns

The following provides an explanation of columns in the tabular lists:

- a. Source, Maintenance, and Recoverability Codes (SMR).
- (1) Source codes indicate the selection status and source for the list item. Source codes a r e -

ode Explanation

- P—Repair parts which are stocked in or supplied from the GSA/DSA, or Army supply system and authorized for use at indicated maintenance categories.
- P2—Repair parts which are procured and stocked for insurance purposes because the combat or military essentiality of the end item dictates that a minimum quantity be available in the supply system.
- P9—Assigned to items which are NSA design controlled: unique repair parts, special tools, test, measuring and diagnostic equipment, which are stocked and supplied by the Army COMSEC logistic system, and which are not subject to the provisions of AR 380–41.
- P10—Assigned to items which are NSA design controlled: special tools, test, measuring and diagnostic equipment for COM-SEC support, which are accountable under the provisions of AR 380–41, and which are stocked and supplied by the Army COMSEC logistic system.
 - M-Repair parts which are not procured or

Code

Explanation

stocked, but are to be manufactured in indicated maintenance levels.

- A—Assemblies which are not procured or stocked as such, but are made up of two or more units. Such component units carry individual stock numbers and descriptions, are procured and stocked separately and can be assembled to form the required assembly at indicated maintenance categories.
- X—Parts and assemblies which are not procured or stocked and the mortality of which normally is below that of the applicable end item or component. The failure of such part or assembly should result in retirement of the end item from the supply system,
- XI—Repair parts which are not procured or stocked. The requirement for such items will be filled by use of the next higher assembly or component.
- X2—Repair parts which are not stocked. The indicated maintenance category requiring such repair parts will attempt to obtain same through cannibalization. Where such repair parts are not obtainable through cannibalization, requirements will be requisitioned, with accompanying justification, through normal supply channels.
- G—Major assemblies that are procured with PEMA funds for initial issue only as exchange assemblies at DSU and GSU level. These assemblies will not be stocked above DS and GS level or returned to depot supply level.
- (2) Maintenance codes indicate the lowest category of maintenance authorized to install the listed item. The maintenance level codes are—

Code

Explanation

- C --- Operator/crew
- 0 -- Organizational maintenance
- F--- Direct support maintenance
- H --- General support maintenance
- D --- Depot maintenance
- (3) Recoverability codes indicates whether unserviceable items should be returned for recovery or salvage. Items not coded are expendable. Recoverability codes are----

- R--Repair parts and assemblies that are economically repairable at DSU and GSU activities and are normally furnished by supply on an exchange basis.
- S—Repair parts and assemblies which are economically repairable at DSU and GSU activities and which normally are furnished by supply on an exchange basis. When items are determined by GSU to be uneconomically repairable, they will be evacuated to a depot for evaluation and analysis before final disposition.
- T—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.
- U—Repair parts specifically selected for **sal**-vage by reclamation units because of precious metal content, critical materials, or high-dollar value **reusable** casings or castings.
- b. Federal Stock Number. Indicates the Federal stock number assigned to the item and will be used for requisitioning purposes.
- c. Description. Indicates the Federal item name and any additional description of the item required. The index number has been included as part of the description to aid in the location of "SAME AS" items. A part number or other reference number is followed by the applicable five-digit Federal supply code for manufacturers in parentheses.
- d. Unit of Measure (U/M). A two-character alphabetic abbreviation indicating the amount or quantity of the item upon which the allowances are based, e.g., ft, ea, pr, etc.
- e. Quantity Incorporated in Unit. Indicates the quantity of the item used in the PU-724/G. Subsequent appearances of the same item in the same assembly are indicated by the letters "REF".
- f. 15-Day Organizational Maintenance Allowances.
- (1) The allowance columns are divided into four subcolumns. Indicated in each subcolumn opposite the first appearance of each item is the total quantity of items authorized for the number of equipments supported. Subsequent appearantes of the same item will have the letters

"REF" in the allowance columns. Items authorized for use as required, but not for initial stockage, are identified with an asterisk in the allowance column.

- (2) The quantitative allowances for organizational level of maintenance represents one initial prescribed load for a 15-day period for the number of equipments supported. Units and organizations authorized additional prescribed loads will multiply the number of prescribed loads authorized by the quantity of repair parts reflected in the appropriate density column to obtain the total quantity of repair parts authorized.
- (3) Organizational units providing maintenance for more than 100 of these equipments shall determine the total quantity of parts required by converting the equipment quantity to a decimal factor by placing a decimal point before the next to last digit of the number to indicate hundredths, and multiplying the decimal factor by the parts quantity authorized in the 51–100 allowance column. *Example*, authorized allowance for 51–100 equipments is 12; for 140 equipments multiply 12 by 1.40 or 16.80 rounded off to 17 parts required.
 - g. 30 Day DS/GS Maintenance Allowances.

NOTE

Allowances in GS column are for GS maintenance only.

- (1) The allowance columns are divided into three subcolumns. Indicated in each subcolumn, opposite the first appearance of each item, is the total quantity of items authorized for the number of equipments supported. Subsequent appearances of the same item will have the letters "REF" in the applicable allowance columns. Items authorized for use as required, but not for initial stockage, are identified with an asterisk in the allowance column.
- (2) The quantitative allowances for DS/GS levels of maintenance will represent initial stockage for a 30-day period for the number of equipments supported.
- (3) Determination of the total quantity of parts required for maintenance of more than 100 of these equipments can be accomplished by converting the equipment quantity to a decimal factor by placing a decimal point before the next to last digit of the number to indicate hundredths, and multiplying the decimal factor by the parts quantity authorized in the 51–100 allowance column. *Example*, authorized allowance for 51–100

equipments is 40; for 150 equipments multiply 40 by 1.50 or 60 parts required.

- h. One-Year Allowances per 100 Equipments/ Contingency Planning Purposes. Indicates opposite the first appearance of each item the total quantity required for distribution and contingency planning purposes. The range of items indicates total quantities of all authorized items required to provide for adequate support of 100 equipments for 1 year.
- i. Depot Maintenance Allowance per 100 Equipments. Indicates opposite the first appearance of each item the total quantity authorized for depot maintenance of 100 equipments. Subsequent appearances of the same item will have the letters "REF" in the allowance column. Items authorized for use as required, but not for initial stockage, are identified with as asterisk in the allowance column.

j. Illustrations.

- (1) Figure number. Indicates the figure number in which the item is shown.
- (2) *Item number or reference designation*. Indicates the reference designation used to identify the item in the illustration.

C-4. Special Information

Repair parts mortality is computed from failure rates derived from experience factors with the individual parts in a variety of equipments. Variations in the specific application and periods of use of electronics equipment, the fragility of electronic piece parts, plus intangible material and quality factors intrinsic to the manufacture of electronic parts, do not permit mortality to be based on hours of end item use. However, long periods of continuous use under adverse conditions are likely to increase repair parts mortality.

C-5. Location of Repair Parts

- a. This appendix contains two cross-reference indexes (sees. VII and VIIX) to be used to locate a repair part when either the Federal stock number, reference number (manufacturer's part number), or reference designation is known. The first column in each index is prepared in numerical and or alphanumerical sequence in ascending order. Where a Federal stock number is listed, refer to section VII.1. Where a Federal stock number is not listed, refer to section VII.2.
 - b. When the Federal stock number is known,

follow the procedures given in (1) and (2) below.

- (1) Refer to section VII.1 (index of Federal stock numbers) or section VII.2 (index of reference numbers) and note the applicable figure and reference designation.
- (2) When the reference designation is determined, refer to the reference designation index (sec. VIII). The reference designations are listed in numericalpha ascending order and are cross-referenced to the page number on which they appear in the repair parts list (sees. III and Y). Refer to the page number noted in the index and locate the reference designation in the repair parts list (col. 7b, or col. 10b). If the description column indicates that it is a "Same as" item, locate the first appearance of the item by the index number (sequence number) referenced.
- c. When the reference designation is known, follow the procedures given in b (2) above.
- d. When neither the FSN, reference number, nor reference designation is known, identify the part in the illustration and follow directions given in c above, or scrutinize column 3 of the repair parts lists (secs. III and V).

C-6. Federal Supply Code for Manufacturers

Code Manufacturer

30887 ---- Dyna Technology, Inc.

43334 ---- New Departure-Hyatt Bearings Division, Genera] Motors Corp.

59730 ---- Thomas and Betts Co., The

70485 ---- Atlantic India Rubber Works, Inc.

75382 ---- Kulka Electric Corp.

76473 ---- Midwest Moulding and Mfg. Co.

96906 ---- Military Standards

(Next page is C-4)

SECTION III. REPAIR PARTS FOR ORGANIZATIONAL MAINTENANCE

NUMBER USABLE ON LEference Number & MFr Code USABLE ON CODE LEGEN) (b)		.U	(a	(b)
	5 _ 3-20	(b) (c) 3-20 <u>1</u> -5((d) 1-100	F1(NO -	ITEM NO. Or reference Designation
6125-617-1435 A001 MOTUR GENERATOR PU-724/G: (This item is nonexpendable)				1_	1A tMii
2-0 5977-617-1255 A109 BRUSH SET ELECTRICAL CONTACT: A27997 (30887		•		E,	高 四数率
2-0 5975 A125 CAP ELECTRICAL: A25099 (76473) EA 7	•	•	•	5.	A5MP4
2-0 5975 A126 CAPELECTRICAL: SAME AS A125 PEF 25	35.5	3312 95.6	SFF		1A5MP3
2-0 5977-617-1954 A127 BRUSH SET ELECTRICAL CONTACT: A27996 (30887 SET)	•	•	•	۲,	1A556

AMSEL-ME For

4000

(Province edition in electric

PU-724/G

100-FH 3F80-66

SECTION REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE

(1) SMR	FEBURAL STACK		L3 DESCRIPTION		14	(51 of v	30	(61 Mx DS	MAINT	30.0	(7,	141.07	(8) 1 YR	(9) (EPOT		I LLuSTRATI ONS
0.001	NUMBE-			ABLE ON	OF Mr AS	YTQ NC IN JUNIT		DAY DS ALLOWAN	ICE.	30-0a (a)	AY GS M LLOWANC L (b)		LW PE EQUIT NTGC1	LAINT LW PEI 100	(a. FI((b)
		REFER	RENCE NUMBER & MFR. CODE	COOE			1-20	(b) !1-50	(c) L-10	1-20	≟-5((c) L-10	MIGCI	QUIP	MO	REFERENCE DESIGNATION
			en in the product of the design of the design of the design of the product of the design of the desi												٠.	,'AIMG
٧.		4. 1.	FROM BOTOMAN AND MEN THE TRAIN FROM THE													TAJFI
		å	Mark Mark Mark (Mark Color)		.4.											‡A*ie s
c . ,			WARE TO BE MOTHER.		s.A											A165
(I=N)		1	10 5 Ben B1107 B w. 1775 5 B 15 5-00 - 30-87		EA											"A 5MI
XI -=			CONTRACTOR COMMISSION AND AND A		ZΑ											'ACH4
x . ' - F			KASHEL COCK: MC * 55 - 1		Ġĸ											18294
K F	, .	4 /	NAME DEPT. The Section		¥Α											1 A 3M2° 1
X.' F		A .	FAUTO PLAT: A274.		900	1										1A5H2
T1 - 11	, 1	A 1%	PROPERTY OF SECTION OF		5.7			٠	-	,	•	-	4		ς.	1A3311
X F		e 1	TT PLACE BEXADON: 125 300 44 42 2		÷.A	2										1 A 5H1
X. '- F'		A '	NOT BULLIN B KARON: DOM: AD ACOM		5JA	ŀ										1 A 3H2
X2-F	1.74.	A . 1.5	JUREW MACHINE: DAME AD A 117		FA											1A 5H 5
X2-F	. 504	A.14	JOHN MACHINE: JVMF AS AD 3		EJA	F										1.A.5H4
X C = F		A215	WASHED LOCK: SAME AS ASKY		EA	2										1A3H5
X2-F		AD16	WASHER LOCK: SAMP AS APPL		FA	S/E										1.A Mile
M -1)		A /1"	COVER BOX FILTER: +27345 (30887)		FA	1										1A SMP 5
A - F - 1		Stria	FILTER ADSEMBLY: /2043//		EA	1										1,4471
P-F	.1 .,<	A^19	JAPANITOH FIXED FAPER DIFLER: 427457 (30687)		i.a	1	•	•		•	•		4		5-	1A401
X2-F	151 =013-4513	ACC)	NOT PLAIN TOXAGON: MS55049-02 (96900)		F.A	2										*A4H1
X2-F	/# ¥	a: 1	SCREW MACHINEE MS 35/35/ (96-900)		5/A	·										
X2-F	*1	A CC	WALSER LOCK: MC35368 1/69061		F.A											1 A 4H3
P = F	99 to = 171=,08	ACc *	CAPACITY : PIXED PAPER DIELEC:		FLA			•	•		٠	٠	5		5.	18402
X2-F) \$10°	£ 1214	DOBOW MACHINE: MD 55/35/1041 (REPORT)		FIA	2										18484
XD F	, 4,)6,	A ('2'')	STREW MACHINE: JAME AC 4 124		EA											1.A.4Hf ₃
X2-F		A326	WASHER (200K) CHAMP AND ACCUS		EA	2										14480
X2-F		A 2""	WADHER COOK: CAME AS A OF		FΑ											*A4H?
F - F		A NE	TARACITOR FIXED DARRE CIPLED: AZZ44C (**P8Z**		F.A	1		٠	•	•	•		5		L -	1A4C3
X2-9	I. 1	5,36 4	NOTO FLAIN HEXAGON: SAM. AN AND		5.A	5.5										1A4H8
X2-9	ž ni,	A	CONFR MACHINE: CAME AJ AJ21		n.A	ŀ										1 A 4H4
X2 - F		A.124	WASHER LOCK: SAME AS ACRE		EA	43										18481,
F-F		In 12	PARADITOR FIXED PARES DIFFER: A27448 (4.880)		E.A		•	•			•		T.		5-	1,4404
													_			
	L	l			<u> </u>			l	I	I	l –	-				

ESC-PM 4534-68

SECTION V. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT IND DEPOT MAINTENANCE (CONTINUED)

(1) (2) POT ILLUSTRATIONS			SECT	ION V. REPAIR PARTS FOR DIREC			NERA		POR	IND		01			TCE (c	ONTINUED)
	(1) SMR ODE	FEDERAL		[3 Descr. Pt.on	IN I T	ITY	30-D	AY DS M	AINT	30-DA		Т	YR I PET	POT	a)	(b)
15 10-0113-150. 27 SET ACCUS OF SANISE 1.4 2 2 2 2 2 2 2 2 2		NUMBER	REFERE		ON .	Ťiř —	a)	(·)	<u> </u>	T-	b)	:) 100	TGCY	71b 70	1G 6.	REFERENCE
1. 1 7		510-013-4530	.:,7		^L A	r										1,44,111
10	. L	· 35	034	SCREW MACHINE: SAME AS A:21	A	F									I	1A4H12
1			035	WASHER LOCK: SAME AS AC22	r A	F										1A4H13
170-490 89-8 077 150-150-3 170-150	F	950-656-2349	036		F.A.		•		•	•	٠	•	4	4	5.1	
1. 1. 1. 1. 1. 1. 1. 1.	-F	970 -49 6 8548	037	INSULATO: STANDOPP:	ΞA	5										
109	-F	305	038		F.A	5										
2-2	2 -F	505	039	WASHER FLAT: A27724 (30887)	EA	9										
2-2 990-05-6-290 ON COLL RADIO PROSESSION ON COLL RADIO PROSES	2-F	305	040	WASHER LOCK: A5746 (30687)	EA	y										
2-F 970-496-8948 00 20 20511ATM STANDOPT:	- F	950-656-2350	,041	COIL RADIO FREQUENCY: A27412 (30887)	E.A	1	•	•	•	•	•	•	4	4	5-1	
2-F 970	2-F	970-496-8548	, 042		' A											
2-F 970	2-F	470-496 8548	1043	SAME AS A037												·
2-F -970	2-F	970	1044		EA											
LED ELECTRICAL: APT424 (1967) (2-1 3310 A048 NIT FLAIM MEXAGON: A5483 (2-1 3310 A048 NIT FLAIM MEXAGON: A5483 (2-1 3310 A048 NIT FLAIM MEXAGON: BA BEP (2-1 3310 A049 NIT FLAIM MEXAGON: SAME AS A047 (2-1 3310 A050 NIT FLAIM MEXAGON: BA EP (2-1 331	2-F	,970	1045	INSULATOR WASHER: SAME AS AC44												
2-1 3310 A049 NUT PLAIN MEXAGON: A3463 EA EF 2-1 3310 A048 NUT PLAIN MEXAGON: SAME AS A047 2-1 3310 A048 NUT PLAIN MEXAGON: SAME AS A047 2-1 3310 A050 NUT PLAIN MEXAGON: SAME AS A047 2-1 3310 A050 NUT PLAIN MEXAGON: SAME AS A047 2-1 3310 A050 NUT PLAIN MEXAGON: SAME AS A047 2-1 3300 A050 NUT PLAIN MEXAGON: SAME AS A047 2-1 3300 A050 NUT PLAIN MEXAGON: SAME AS A038 EA EP 1A4120 1A4121 1A4121 1A4122 1A4123 1A4124 1A4125 1A4126 1A4127 1A4126 1A4127 1A4126 1A4127 1A4127 1A4128 1A4127 1A4128 1A4127 1A4128 1A4128 1A4129 1	- F		1046	LITAD ELECTRICAL: A27424 (30837)												
12-1 3310	(2-F	5310	A047													
1 A4H20 1 A4	(2-I	5310	A048	SAME AS A047												
A050 NUT FLAIN HEXAGON: SAME AS A037 EA EP	(2-i	5310	A049	NUT PLAIN HEXAGON: SAME AS A047												
1.44122 1.5305	x2-1	5310	A050	SAME AS AO47												
12-1 5305 A052 SCREW MACHENE: SAME AS A039 EA EP 12-1 5305 A053 WASHER FLAT: SAME AS A039 EA EP 12- 5305 A054 WASHER FLAT: SAME AS A039 EA EP 12- 5305 A056 WASHER FLAT: SAME AS A039 EA EP 12- 5305 A056 WASHER FLAT: SAME AS A039 EA EP 12- 5305 A056 WASHER FLAT: SAME AS A039 EA EP 12- 5305 A056 WASHER FLAT: SAME AS A040 EJ EP 12- 5305 A058 WASHER LOCK: SAME AS A040 EJ EF 12- 5305 A058 WASHER LOCK: SAME AS A040 EJ EF 12- 5305 A059 WASHER LOCK: SAME AS A040 EJ EF 12- 5305 A050 WASHER LOCK: SAME AS A040 EJ REP 12- 5305 A060 WASHER LOCK: SAME AS A040 EJ REP 12- 5325-290-4344 A061 GROWNET RUBBER: 1787 EJ 2 12- 5325-290-4344 A062 GROWNET RUBBER: SAME AS A061 EJ REP 13- 53070 A064 INSULATOR STANDOFF: SAME AS A040 12- 5370 A065 NUT PLATOR WASHER: SAME AS A044 12- 5370 A065 NUT PLATOR WASHER: E REP 13- 1A-13-1	(2-1	5305	A05 1													
1 A A B A C	(2-1	5305	A052	SCREW MACHINE: SAME AS A038												
22	(2-1	5305	A053	WASHER FLAT: SAME AS A039												
1 A A B A C 1 A A B A C 1 A A B B A C A C A C A C A C A C A C A C	(2 -	5305	A054	WASHER PLAT: SAME AS A039	EA											
X2	(2 -	5305	A055	WASHER FLAT: SAME AS A039	EA	ŒP										_
X2	x 2-	5 305	A056	WASHER FLAT : SAME As A039	EA	ŒP										
12 - 5305 A058 WASHER LOCK : SAME AS A040 EJ REP	x 2-	5305	A057	WASHER LOCK: SAME AS A040	EA	ŒF										
12 - 5305 A059 WASHER LOCK : SAME AS A040 EJ REF 1 A H J O	1 2 -	5305	A058	WASHER LOCK : SAME: AS A040	EJ	ŒF										
X2-	X 2 -	5305	A059	WASHER LOCK : SAME AS A040	வ	æp										•
12 - 5325-290-4344 A061 GROMMET RUBBER: 1787 EJ 2 1A486 12 - 5325-290-4344 A062 GROMMET RUBBER: EJ REP 1A487 12 - 5970-496-8548 A063 INSULATOR STANDOFP: SAME AS A057 12 - 5970 A064 INSULATOR STANDOFP: E REP 1A489 12 - 5970 A064 INSULATOR WASHER: SAME AS A044 E REP 1A489 12 - 5310 A065 NUT PLAIN HEXAGON: E REP 1A4831	X 2-	5305	A060	WASHER LOCK : SAME AS A040	EJ	ÆF										
12 - 5325-290-4344 A062 GROWNET RUBBER: 13 - 5970-496-8548 A063 INSULATOR STANDOFF: SAME AS A057 14 - 5970 A064 INSULATOR WASHER: SAME AS A044 12 - 5310 A065 NUT PLAIN HEXAGON: E REF 1 A4E9	(2 -		A061		E	2										
12 - 5970-496-8548 AO63 INSULATOR STANDOMY: SAME AS AO37 12 - 5970 AO64 INSULATOR WASHER: SAME AS AO44 12 - 5310 AO65 NUT PLATIN HEXAGON: E REF 1 A4H31	12 -	5325-290-4344	A062		E											
X2- 5970 A064 INSULATOR WASHER: SAME AS A044 12- 5310 A065 NUT PLAIN HEXAGON: E REF	12 -	5970-496-8548	A063		E	REP										
12 - 5310 A065 NUT PLAIN HEXAGON:	1 2-	5970	A064	INSULATOR WASHER : SAME AS A044	E	REF										
	12 -	5310	A065		E	REF										1 A4H31

SECTION V. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONTINUED)

SMF COD:	(?) FEDERAL STOCK NUMBER		(3) DESCRIPTION		UNI OF	(5)) OTY INC I	30-	(6) DAY DE ALLOW	AINT E	30-	(7) Y GS I LOWANG	MAINT	(8) 1 YI LW PI	(9) EPO IANT	<u>(a</u>	I LLUSTRATIONS
	RUMDER	REFE	RENCE NUMBER & MFR. CODE	USABLE ON CODE	ME A	UNIT	(a) 1-20	(b) 21-5	(c)	(a) 1-20	(b) 21-5	(c) 1-1(NTGC	.WP 100 QU1	Ří MG	ITEM NO," OR REFERENCE SIGNATION
X 2-1	5410	AUOC	NUTFILA IN HEXAGON: SAME AS A 047		EΑ	मीनुस										1 A4H32
X2-I	5305	A >67	SCREW MACHINE: SANE AS A038		EA	REF										1 A4H33
72- I	5,305	A068	WASHER FLAT: SAME AS A039		EA	REF										1 A4H34
t2- I	5305	A069	WASHER FLAT: SAME AS A039		E.A	HE F										1A4H35
t2- I	5305	A070	WASHER LOCK : SAM AS A040		EA	REF										1 A4H36
X2-I	5305	A071	WASHER LOCK: SAME AS A040		EA	REF										1 A4H37
X 2-F	5970-496-8548	A072	INSULATOR STANDOFF : SAME AS A037		EA	REF										184610
(2-F	5970	A073	INSULATOR WASHER : SAME AS A044		EA	REF										184610
U-D		A074	LEADELECTRICAL: A27428 ,308871		EA	1										1 A4W2
K 2-F	5310	A075	NUT PLAIN HEXAGON: SAME AS A047		EA	REF										1 A4H38
(2-F	5310	A076	NUT PLAIN HEXAGON: SAME AS A047		EA	REF										1 A 4H39
(2-F	5305	A077	SCREW MACHINE: SAME AS A038		EA	REF										1 A4H40
2-F	5305	A078	WASHER FLAT : SAME AS A039		EA	REF										1 A 4H41
2-F	5305	1079	WASHER FLAT: SAME AS A039		EA	REF										1 A4H42
2-F	5305	1080	WASHERLOCK : SAM? AS A040		EA	REF										1A4H43
2-F	5305	1081	WASHER LOCK, SANE AS A040		E.A	REF										1 A 4H44
P-F	5940.983.6043	1082	TERMINAL BOARD: 602M2F (75382)		EA	1	•	•	•	•	•	•	5	7	5.	1 A4TB1
2-F	5305	1083	SCREW MACHINE : MS35359-46 (96906)		LA	4										1A4H45
(2-F	5305	1084	SCREW MACHINE: SAME AS A083		E.A	REF										1 A 4H46
2-F	5305	1085	SCREW MACHINE : SAME AS A083		EA	REF										1 A4H47
2-F	5305	1086	SCREW MACHINE : SAME AS A083		EA	REF										1 A 4H48
2-F	5310	1087	WASHER FLAT : A6631(30887)		EA	4										1 A 4H49
2-F	5310	1088	WASHER FLAT: SAME AS A087		EA	REF										1A4H50
2-F	5310	1089	WASHER FLAT : SAME AS A087		EA	REP										1A4H51
2-F	5310	1090	WASHER FLAT : SANE AS A087		EA	REP										1 A4H52
2-F		1091	WASHER LOCK: SAME AS A007		EA	4										1 A4H53
2-F		1092	WASHER LOCK : SANE AS A007		EA	REF										1 A4H54
2-F		1093	WASHER LOCK : SANE AS A007		EA	REP										1A4H55
(2-F		1094	WASHER LOCK : SAME AS A007		EA	REF										1 a 4H56
1-D		1095	BRACKET MOUNTING FILTER: B27420 (30887)		EA	1										1A4MP1
-D-		1096	MOTOR GENERATOR LESS FILTER: C27386 (30887		EA	1										1 A5MG
1-D		1097	COVER ELEC CONT BRUSH ACCESS: A27375 (30887)		EA	2										1.65MP1
1 -D		1098	COVER ELEC CONT BRUSH ACCESS: SAME AS A097		EA	REF										1 A5M P2
(2-F	5970	1099	insulation SHEET ELECTRICAL : A27376 (30887		EA	2										14561
2 - F	597 C	1100	INSULATION SHEET ELECTRICAL: SANE AS A099		EA	REF										1 A 5E2

MSEL-dig Form 6048 (Provious edition is obsolute) PL -724/G Nov 68

SECTION V. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONTINUED)

		SECTION V. REPAIR PARTS FOR	DIKECI		UKI,	GEINI		JUFF	UKI,		DELLO				
(1) SHR CODE	(2) Federal Stock	(3) Description		UNIT OF	OTY INC IN UNIT	30-0	(6) AY DS M ALLOWANG	IAI NT	3 0 -D	(7) AYGS M/ LLOWANC	LINT	(8) JYR ALWPER	(9) DEPOT MAINT	(a)	(IO) ILL USTRATIONS (b)
	H LMB ER	REFERENCE NUMBER&NFR.CODE	USABLE 014 CODE	MEAS	ÜÑIT	(a) 1-20	(b) 21-50	(c)	(a)	(b) 21-50	(c) 51-1 0 0	ALWPER EQUIP CNTGCY	ALW PER 100 EQUIP	FIG NO.	I TEM NO. OR REFERENCE DESIGNATION
1 2-F	5305	ALCI, SCREW MACHINE: SAME AS A003		EA	4										145년1
12-F	5305	A102 SCREW MACHINE: SAME AS A003		EA	REF										1A5H2
12-F	5305	A103 SCREW MACHINE: SAME AS A003		F.A	REF										1 A5H 3
X2-F	5305	A104 SCREW MACHINE : SAME AS A003		£.A	HEF										1 A 5H4
12-F		A105 WASHER LOCK: SAME AS A004		E.A	4										1 A5H5
X2-F		A106 WASHERLOCK: SAME AS A004		E.A	REF										1 A5116
12-P		A 107 WASHER LOCK : SAME AS A 004		EA	REF										1 A5H7
12-F		A 108 WASHER LOCK: SAME AS A 004		EA	REF										1 A5H8
P-o	5977-617-1259	A109 BRUSH SET ELECTRICAL CONTACT: A27997 (30887)		SET	1	•	•	•	•	*	•	5	20	5-1	1A5E3
хI		A110 BRUSH ELECTRICAL CONTACT : A27243 (30887)		EA	1										1A5E4
хI		A111 BRUSH ELECTR ICAL CONTACT: A27243-1 (30887)		EA	1										1 A5E5
12-F	5305	A112 SCREW MACHINE: SAME AS A003		EA	4										1A5H9
12-F	5305	A113 SCREW MACHINE: SAME AS A003		EA	REP										1A5H10
12-F	5305	A114 SCREW MACHINE : SAME AS A003		EA	REP										1A5H11
12-F	5305	A115 SCREW MACHINE: SAME AS A003		EA	REP										1A5H12
12-F		AI 16 WASHER LOCK: SAME AS A007		EA	4										1A5H13
12-F		A117 WASHER LOCK: SAME AS A007		FA	REP										1A5H14
X2-F		A118 WASHER LOCK: SAME AS A007		EA	REP										1A5H15
12.P		A119 WASHER KICK: SAME AS A007		EA	REP										1A5H16
U-D		A120 COVER PLATE ACCESS: A27377 (30887)		EA	1										1 A5MP3
12-F	5305	A121 SCREW MACHINE ROUND HEAD: MS 35357-77 (96%%)		EA	2										1A5H17
X2-F	5305	AI 22 SCREW MACHINE HOUND HEAD: SAME AS A121		EA	rep										1A5H1B
12-F	5310-582-5965	A1 23 WASHER LOCK : MS35338-44 (96906)		EA	2										1 A5H 19
X≥-F	531 0 -582-596 5	A124 WASHER LOCK: SAME AS A123		EA	REP										1 A5H20
P-0	5915	A125 CAP ELECTRICAL: A25099 (76473)		EA	2	٠	•	1	•	•	1	10	7	5-1	1 A5MP4
P-0	5975	A126 CAP ELECTRICAL: SAME AS A125	•	EA	REP	REP	REP	REP	REP	REP	REP	REF	REP		1 A5MP5
P-o	5977-617-1954	A127 BRUSH SST ELECTRICAL CONTACT: A27936 (30887)		SET	1	٠	•	1	•	•	1	8	20	5-1	1A5E6
X 1		A128 BRUSH ELECTRICAL CONTACT: A27339 (30887)		EA	2										1 A5E6
K1		AI 29 BRUSH ELECTRICAL CONTACT: SAME AS A128		EA	REP										1 A5E7
A-P-B		A130 END BELL ASSEMBLY - INPUT: C27353 (30887)		EA	1										1.A6MP1
12-P		A131NOT PLAIN HEXAGON: MS35650=102 (96906)		EA	*										1 A5H 4
12-F	5305	A132 SCREW MACHINE: A26965 (30887)		EA	4										1 A5H4
12-F	5310-045-3296	A133 WASHER LOCK: MS35338-43 (96906)		EA	4										1 A5H4
12-P	6125	A134 STRIP CONNECTING ELECTRICAL: A40941-1 (30887)		EA	1										1 A6W1

AMSEL-ME Form 6048 (Province addition to observator) PU-724/G

SECTION V. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONTINUED)

(1)		SECTION V. REPAIR PARTS FOR		(4)	(5)		(6)		., , ,	(7)		(8)	(9)		(lo)
SMR CODE	FEDERAL STOCK Number	DESCRIPTION		UNIT OF ME AS	OTY INC II	30-	ALLOWAN	HAINT ICE	30- _A	GS I	4AINT	I YR	DEPOT	(a)	CLUSTRÁTIONS (b)
	nunUCN	REFERENCE NUMBER & MFR. CODE	USABLE ON CODE	ME NO	UNIT	(a) 1-20	(b) (-\$c	(c) I-IC	(a) 1-20	(b)	(c) L-10	MIGCY	ALW PEI 100 EQUIFP	FII No	ITEM MO. OR REFERENCE DESIGNATION
P-F	:-10'-577-4125	A135 APACITOR FIXED PAPER (1 ELEC : A40877 (30887)		E.A	1.	•	•	•	•	•	•	5	7	5-	1A6C1
X2-F		A 15c NUT F LA IN HEXAGON : SAME AS A 13 1		FA	1										1 AbR1
X 2-F	305	A:37 SUREW MACHINE: MS35359-64 (96906)		EA	1										1 A6H2
X2-F	310	A13H WASHER LOCK: MS35335-16 (96906)		EA	1										1 a6H3
P - F	977-409-0408	A139 HOLDER ELECTH IC AL CONT BRUSH: A27357 (30887)		EA	1	•	•	٠	•	•	•	4	2	5	1 A6MP 2
X2-F	305	A140 SCREW MACHINE: A27 390 (m)		EA	4										1 A6H4
X2-F	305	A141 SCREW MACHINE: SAME AS A140	1	EA	EF										1 a 6H5
X2-F	310	A142 WASHER PLAT : ~25551 (30887)		EA	4										1 д6н6
X2-F	31.	A143 WASHER FLAT: SAME AS A142		EA	EF										1А6Н7
X2-F	310-045-3296	A144 WASHER LOCK: SAME AS A133		EA	4										1а6н8
X2-F	310-045-3296	A145 WASHER LOCK: SANE AS A133		EA	EF										1 A6H 9
P - F	977-409-0409	A146 HOLDER ELECTRICAL CONT BRUSH: A27381 (30887)		EA	1	•			•	•	•	4	2	5-	1 A6MP3
X2-F	305	A147 SCREW MACHINE: A27389 (30887)		EA	2										1 A 6H10
X2-F	305	A148 SCREW MACHINE: SAME AS A147		EA	EP										1A6H11
M-D		A149 PLATE MOUNTING: A8697 (30887)		EA											1 A6MP4
12-F	305	A150 SCREW MACHINE: SAME AS A140		E.A	EF										1A6H12
1 2-F	305	A151 SCREW MACHINE: SAME AS A140		EA	EP										1A6H13
12-F	310	A152 WASHER FLAT: SAME AS A142		EA	EP										1 A6H 14
1 2-F		A153 WASHER FLAT: SAME AS A142		EA	EF										1A6H15
12-F	310-045-3296	6154 WASHER LOCK : SAME AS &133		EA	EF										186816
X2-F	310-045-3296	A155 WASHER LOCK: SAME AS A133		FA	Z.P										1A6H17
M-D		A156 SURREN PROTECT IVE : B27368 (30687)		EA	1										1 A6MP 5
X2-F	305	N157 SCREW MACHINE: MS 35 559-26 (96906)		EA	2										146н18
X 2-F	305	A158 SCRAW MACHINE: SAME AS A157		EA	EP										1 A6H 19
X2-1	310	N159 WASHER LOCK: MS35335-30 (96906)		EA	2										1 A6420
X2-F	310	A160 WASHER KICK: SAME AS A159		2A	ΕP										1 A6H21
M-D		A161 ZND BELL-INFUT: 027380 (30887)		EA	1										1 A6MP6
M-D		A162 END BELL ASS EMBLY-CUTPUT : B27352 (30887)		EA	1										1 A7M P1
P-F		a163 CAPACITOR PIXED MICA DIELECTRIC: A27395 (30887)		F.A		•	•	4	*	٠	•	5	4	5-	1A7C1
X2-F	995	A164 LEAD SLECTRICAL: A27396 (30887)		Eλ	1										1 A7W 1
X 2-F	995	A165 LEAD ELECTRICAL: A27398 (30887)		EA	1										1 ATW2
12-F	305	A166 SCREW MACHINE: SAME AS A003		EA	2										1 A7H 1
X2-F	305	A167 SCREW MACHINE: SAME AS A003		E.A	EF							,			1 A7H2

SECTION v. REPAIR PARTS FOR DIRECT SUPPORT, GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONTINUED

		SECTION v. REPAIR PARTS FOR DIRECT		. 	GLIVI		3011	UKI,	י שווח	JLI U			ANCL	•
(I) SMR CODE	(2) FEDERAL STOCK	(3) DESCRIPTION	(4) UNIT OF	(5) QTY	30-	(6) DAY DS MA	INT	30-[GS I CWAN(NT	(8) YR	(9) EPOT AINT	(a)	(IO ILLUSTRATIONS (b)
	NUMBER	USABIFON REFERENCE NUMBER & MFR. CODE CODE	MEAS	IC IN JNIT	(a)	ALLOWANCE (b)	(c)	(a) -20	(b) 1-50	(c)	W PEF FOULF NTGCY	W PL R 100 QU I P	FIG NO,	I Tem no, or Refere nce
X2-F			 	-	<u>1-20</u>	1-50	L=10(-20	<u>r</u> -50	-1 00		δο ι ι	-	DESIGNATION
X2-F		1168 WASHER DOK: SAMP 42 1007	82A 82A	Ĭ										1A 14
X2-F	277	UTO HOLDE, 220TR, CALCONT	ĽΑ	1										'A '11.
		BRUSH: A2'35t ,3088	l											
X2-7		171 151 337.5W: MS51017-34 (30906)	-44	'										**713
1 2- F	977	A172 HOLDER ELECTRICAL CONT BRUSH: A27373 (30887)	гìй	1										1A7MP3
X2- F		1173 SET SCREW : SAME As A171	S:A											(A7 (t)
M-L		1174 SCREEN PROTECTIVE: A27 170 (30897)	±Α	2										1A7MP4
X2-F	305	A175 SCREW MACHINE: SAME As A157	£Α	4										18797
1 2-F	305	1176 SCREW MACE INE : MS35359-25 (96906)	EA	4										1A H ^A
X2-F	310	N177 WASHER LOCK: SAME AS A159	EA	۴										1 A7 H9
12-F	310	1178 WASHEN LOCK: SAME AS A159	F.A	EF										1 47 H10
M-D		1179 SCREEN PROTECTIVE : SAME AS A174	EA	EP										1A7MP5
12-F	305	1190 SCREW MACHINE: SAME As A157	£A	EF										187/111
X 2-F	305	1181 SCREW MACTINE : SAME AS A176	EA	£ F										1A7H12
X2-F	310	1192 WASHER LOCK: SAME As A159	EA	EF.										1A7H13
12-F	310	1183 WASHER LOCK: SAME As A159	EA	EF										1A7H14
M-D		184 SCREEN PROTECTIVE: B27369 (30887)	£A.	1										1 A71/ IP 6
1 2-F	305	1185 SCREW MACHINE: SAME As A157	EA	EF										1A7H15
12-F	305	A186 SCREW MACHINE: SAME AS A157	EA	EF										1A7H16
12-P	305	A197 SCREW MACHINE: SAME A3 A176	EA	E.P										1A7H17
12-F	305	A188 SCREW MACHINE: SAME A3 A176	EA	EF										1A7H1B
12-F	310	A189 WASHERLOCK: SAME AS A159	EA	æF										1A7H19
12-P	310	A190 WASHER LOCK: SAME AS A159	EA	EP										1 A7H20
12- P	310	A191 WASHER LOCK: SAME AS A159	EA	E₽										1A7H21
I 2-P	310	A192 WASHER LOCK: SAME As .4159	EA	EF										1A7H22
M-D		M193 END BELL-OUTPUT: B27669 (30887)	EA	1										1 A7MP7
A-D-F		A194 ARMATURE ASSEMBLY: C26962 (30887)	EA	1										1A8E1
P-D	125-4 08-2615	A195 ARMATURE: C26962-1 (30887)	EA	1							4	2	5-1	1 A8E2
P-D	110-156-3471	A196 BEARING BALL ANNULAR: 88502 (43334)	EA	1							4	2	5-1	1A8MP1
P-D	110-156-3502	A197 BEARING BALL ANNULAR: 88503 (43334)	EA	1							4	2	5-1	1.a 3MP2
M-D		A198 BAPPLE FAN: B27363 (30887)	EA	1										1,88 M P6
A-D-i		A199 HOUSING ASS-Y: C27387 (30887)	EA	1										1 A9MP
12-F	995	A200 LEAD ELECTRICAL: A27400 (30887)	ZA	1										1A9W1
12-P	125	1201 HOLDER FIELD A27379 (30887)	EA	2										1A9MP1
M -D		1202 INSULATION SEFET ELECTRICAL: A27378 (30887)	EA	4										1 A9E2
	<u> </u>			. –	·		. —	_	- '	- 1		_	. – –	ESC-621 0 534-65

SECTION V. REPAIR PARTS FOR DIRECT SUPPORT; GENERAL SUPPORT, AND DEPOT MAINTENANCE (CONTINUED)

	1	SECTION V. REPAIR PARTS FOR DIRECT	_		CINER	AL JU	PPUK	II, AN	עו עו	- U I M	AINTE		.E (CO	NTINUED)
(1) SHR CODE	(2) FEDERAL STOCK	(3) De Scrifton	UN I OF	(5) CTY	30	[6] LY DS	AINT	30-	r GS N	ALNT	(8) 1 YI .W PE	(9) DEPO MIN	(<u>a)</u>	ILLUSTRATIONS (b)
	NUMBER	REFERENCE NUMBER L NFR. CODE CODE	MEAS	NČ II UN IT	(a) 1-20		<u> [] </u>	(a) <u>I</u> .20	Tel	(c) 1-10	MICC	00 II	FIG NO.	ITEM NO. OR REFERENCE DESIGNATION
M -D		(203 INSULATI ONSHET ELECT, CAL SAME AS A202	Lik	E:										1 A9E3
X2-F	125	1204 GCLIFER FIRLD: SAME AS A201												1 A9MP2
M-D		1205 INSULATION SHEET ELECTRICAL: SAME AS A202	£											1 A9E4
M-D		1206 INSULATION SHEET GELETH FAL: SAITE AG A202	r	E.c.										
X2-P	44_44=125-235	207 WIND INC PISLD: (2800) (3068/)	1.*	1										1A9L1
X2-F	340	.206 GROMMET RUBBER; 2533 (70485)	F7	2										1 A9E 6
X2-F	340	.2.9 GACHMET PUBBER: SAME AS A208	ټ.	F to										1 A 9E 7
M-D		.210 HOUSING: 526963 (30090)	и	1										1A9MP3
l				l _	l	l			_		_			

SECTION vii.1 INDEX-FEDERAL STOCK NUMBER CROSS REFERENCE TO FIGURE AND ITEM NUMBER OR REFERENCE DESIGNATION

FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION	FEDERAL STOCK NUMBER	FIGURE NUMBER	ITEM NUMBER OR REF. DESIGNATION
3110-156-3471 3110-156-3502 5310-013-4530 5310-013-4530 5310-013-4530 5310-045-3296 5310-045-3296 5310-045-3296	5-1 5-1	1A8MP1 1A8MP2 1A4H1 1A4H8 1A4H8 1A4H11 1A5H4 1A6H8 1A6H8			
5310-045-3296 5310-045-3296 5310-582-5965 5310-582-5965 5325-290-4344 5325-290-4344 5325-290-4344 5310-577-9125 5910-577-9125	5-1 5-1 5-1	1A6H16 1A6H17 1A5H19 1A5H20 1A4E6 1A4E7 1A4C2 1A6C1 1A4C1			
5935-660-3825 5940-983-6043 5950-656-2349 5950-656-2350 5970-496-8548 5970-496-8548 5970-496-8548	5-1 5-1 5-1 5-1 5-1	1A3JI 1A4TB1 1A4L1 1A4L2 1A4E1 1A4E2 1A53 1A53			
5970-496-8548 5975-152-1144 5977-409-0908 5977-409-0909 5977-617-1259 5977-617-1954 6125-255-4494 6125-408-2615	5-1 5-1 5-1 5-1 5-1 1-1	1A4E10 1A3MP1 1A6MP2 1A6MP3 1A5E3 1A5E6 1A9L1 1A8E2			
6125-6171435	1-1	laimg			
; 				3	
Numer-our Louis is 1 to 60 - 900-9	g = = - / 2 4 / W				ESC.FM 4130-40

Ç-1

SECTION VII. INDEX-REFERENCE NUMBER CROSS REFERENCE

TO FIGURE NUMBER AND REFERENCE DESIGNATION ITEM NUMBER

REFERENCE NO.	MFGRS.	FIG.	REF. DESIGNATION OR ITEM NO.		REFERENCE NO.	MFGRS. CODE	FIG. NO.	REF. DESIGNATION OR ITEM NO.
NO.	CODE	NO .	OR HEM NO.	╛┛┌	NO.	CODE	NO.	OR HEM NO
A25099	76473		1A5MP4		A27724	* 30887	!	1A4H05
A25099	76473		LA5MP5		A27724	30887		1A4H26
A25551	30887		1 A6H6	1	A27724	308ê7		
A25551	30887		1.a6H7	i	A27723			1A+H54
A25551	30887		1А6Н14	1	A27724	30887		1A4H3;
A25551	30887		1A6H15		A27724	3:687		1A4H41
A26965	30887		1A5H4		A27724	30887		1A4H40
A27243	30887	1 1	1A5E4	!	A40941-1	30887	1	1A6W1
	30887		1A5E5	1	A5483	- 30887		1A4E17
A27243-1					A5483	3∩387	1	1A4H19
A27339	30887		1.A5E6		A5483	30887		1 A ^L ID'+
A27339	30887		1A5E7	i l	A5483	30887		TA4H20
A27356	30887		1A7MP2	i la la la la la la la la la la la la la	A5483	30887	}	1.441531
A27370	30887		1.A7MP4		a5 483	30887		1A4H32
A27370	30887		1A7MP5		A5483	3.687	1	1A4H38
A27373	30887		LA7MP3		A5483	30887	1	TV4H23
A27375	30887		1A5MP1		A5746	30887	1	1A4HD6
A27375	30887	1	1A5MP2	1	A5746	30887		
A27376	30887		1A5E1					1A4H27
A27376	30887		1A5E2		A5746	30887		LA4H28
A27377	30887		1A5MP3	1	A5746	. 30887		1 A4H29
A27378	30887		1A9E2		A5746	: 30387		1A4H50
A27378	30887		1A9E3		A5746	30887		1∧4∺3€
					A5746	30887		1A4H37
A27378	30887		1A9E4		A5746	30887		1A4H43
A27378	30887		1A9E5		A5746	30887		1A4H44
A27379	30887		1A9MP1		a6631	30887		1A4H49
127379	30887	1	1 A9MP 2		A6631	30887		1.44F%,0
A27389	30887		1 A6H1 0		A6631	30887		1A4H51
1 27 3 89	30887	1 1	1 A6H 11		A6631	30887		1A4H52
\ 27390	30887	1	1 A 6H4	i III i	A8697	30887		1A6MP4
A273 90	30887	! !	1.A6H5	i III '	B26963	30887		17 MP3
A27390	30887		1 46H1 2		B27352	30887		1ACMP1
N27390	30887		1A6H13		B27363	30887		
A27395	30887	5-1	la7cl		B27368	30887		148746
127396	30887		1A7W1				9	1A6MP5
A27398	30887	:	la7w2	i	B27369	30887		тальье
127400	30887	1	1A9W1	į	B27420	30887		1A4MP1
127416	30887		1A3H2	i	B27669	30887		la7MP7
127424	30887	1 1	1A4W1		B27999	30887		la2FL
127428	30887	1 1	1A4W2	+	B28000	30887		1A3MP
127438	30887	5-1	1A4C4		c26962	30887		1AGE1
127441 127441	30887	J - 1			C27345	30887		1A3MP3
		1	LA4E4		C27353	30887		1A6MP1
127441	30887		1A4E5		c273 80	30887		lagmpg
127441	30887	: !	1A4E9	i	C27386	30887		1A5MG
127441	30887		LA4E10	1	C27387	30887		1 A (MP
127442	30887	5-1	1A4C3		C27439	30887		1A4FL
127443	30887	1 1 1	1A4H14		MS35335-16	9690€ 1		LAGH3
127443	30887	1 1	1 A 4H21	i 🔳	MS35335-17	96906 :		1A1H4
127443	30887	1	1A4H22		MS35335-17	96906 .		1A5H5
127443	30887		IA4H33		MS35335-17	96906		
127443	30887	1 1	LA4H40			, 96906		1A5H6
A2772¥	30887		1A4H15		MS35335-17			1A5H7
27724	30887		1A4H23		MS35335-17	96906		la5H8
27724	30887	1 1	144124		MS35335-30 MS35335-30	96906 , ; 96906		1A6H20 1A6H21

SECTION VII.2 INDEX-REFERENCE NUMBER CROSS REFERENCE

TO FIGURE NUMBER AND REFERENCE DESIGNATION ITEM UMB

MSSSTSD-20	REFERENCE NO.	MFGRS. CODE	FIG. NO.	REF. DESIGNATION OR ITEM NO.	REFERENCE NO.	MFGRS.	FIG. NO.	REF. DESIGNATION OR ITEM NO.
## 157575-50	MC36335_3∩	96906		14790	M035350 1/3	-		
MS55355-50 96966 1A/TRIA MS55355-9-15 96966 1A/TRIA MS55355-70 96966 1A/TRIA MS55355-70 96966 1A/TRIA MS55355-9-15 96966 1A/TRIA MS55355-9-16 96966 1A/TRIA MS55358-23 96966 1A/TRIA MS53538-23 96966 1A/TRIA MS33539-24 96966 1A/TRIA MS33539-25 96								
MS55555-50 96966 1A/TILA MS55559-34 96966 1A/TILA MS55555-50 96966 1A/TILA MS55555-30 96966 1A/TILA MS55555-30 96966 1A/TILA MS55555-30 96966 1A/TILA MS55555-30 96966 1A/TILA MS55559-34 96966 1A/TILA MS55559-32 96966 1A/TILA MS55559-32 96966 1A/TILA 96						96906	!	
## ## ## ## ## ## ## ## ## ## ## ## ##				IA/HI5				la7Hl
MS55355-30 96966 1A7RE0 MS55359-36 96966 1A4RE0 MS55355-30 96966 1A7RE1 MS55359-36 96966 1A4RE4 MS55359-32 96966 1A4RE4 MS55359-32 96966 1A4RE4 MS55359-32 96966 1A4RE4 MS55358-23 96966 1A4RE4 MS55358-23 96966 1A4RE5 MS55357-28 96966 1A4RE5 MS55						96906		
NS NS NS NS NS NS NS NS				1A7H19	MS35359-46	96906		1A4H45
NS NS NS NS NS NS NS NS					MS35359-46			1 A 4 H 4 6
N855757-20	MS35335-30							
NS55538-23 99000	MS35335-30	96906		1A7H22				
## ## ## ## ## ## ## ## ## ## ## ## ##	MS35338-23	96906		1A2H4			Í	
N835738-23 99006 1,3316 N835640-82 96006 1,3316 N835538-23 96006 1,3416 N83538-23 96006 1,3416 N83538-23 96006 1,3416 N83538-23 96006 1,3416,31 N83538-23 96006 1,3416,31 N83538-23 96006 1,3416,31 N83538-23 96006 1,3416,31 N83538-23 96006 1,3416,31 N83538-23 96006 1,3416,31 N83538-23 96006 1,3416,31 N83538-23 96006 1,3510 N83538-23 96006 1,3510 N83538-23 96006 1,3510 N83538-23 96006 1,3510 N83538-23 96006 1,3510 N83538-23 96006 1,3510 N83538-23 96006 1,3510 N83538-23 96006 1,3510 N83538-23 96006 1,3510 N83538-23 96006 1,3510 N83538-23 96006 1,3416 N83538-3 96006 1,3		96906		1A3H5		96906		
NS5538-23 96006 14485 NS5559-102 S6006 14587 NS5538-23 96006 14485 NS5538-23 96006 14485 NS5538-23 96006 14485 NS5538-23 96006 14485 NS5538-23 96006 14485 NS5538-23 96006 14485 NS5538-23 96006 14485 NS5538-23 96006 14485 NS5538-23 96006 14485 NS5538-23 96006 14485 NS5538-23 96006 145813 NS5538-23 96006 145813 NS5538-23 96006 145814 NS5538-23 96006 145816 NS5538-23 96006 145816 NS5538-23 96006 145816 NS5538-23 96006 145816 NS5538-23 96006 145816 NS5538-23 96006 145816 NS5538-23 96006 144812 NS5538-23 96006 144812 NS5538-23 96006 144812 NS5538-23 96006 144812 NS5538-23 96006 144812 NS5538-23 96006 144812 NS5538-23 NS5538-23 NS5538-23 NS5538-23 NS5538-23 NS5538-23 NS5538-23 NS5538-23 NS5538-23 NS5538-23 NS5538-24 NS5538								
NS5758-25 96966								
NS5538-25 96966 1A4854 96966 1A4854 96966 1A4855 96966 1A4855 1A4855 1A4856 1A7856 1A7856 1A7856 1A7856 1A7856 1A9856 1A9	MC36738 23							
NS5538-23 96966 1AHR59 96968 1AHR59 96968 1AHR59 96968 1AHR59 96968 1AHR59 96968 1AHR59 96968 1AHR59 96968 1AHR59 96968 1AHR59 96968 1AHR59 96968 1AHR59 96968 1AHR19 96968 1AHR19 96968 1AHR19	M075770-27							
NS55398-25 96906						96906	1	1A7H5
NS55338-25 96906 1A4H56 2553 70485 1A9E7 NS55338-25 96906 1A5H3 1A9E7 NS55338-25 96906 1A5H3 1A9E7 NS55338-25 96906 1A5H3 1A9E8 NS55358-25 96906 1A5H3 1A7H3 NS5538-25 96906 1A7H3 NS55357-28 96906 1A4H2 NS55357-28 96906 1A4H2 NS55357-28 96906 1A4H2 NS55357-41 96906 1A4H3 NS55357-77 96906 1A4H3 NS55357-77 96906 1A4H3 NS55358-22 96906 1A5H3 NS55358-22 96906 1A5H3 NS55359-25 96906 1A5H3 NS55359-25 96906 1A7H3 NS55359-25 96906 1A7H3 NS55359-25 96906 1A7H3 NS55359-26 96906 1A7H3 NS55359-27 96906 1A7H3 NS55359-27 96906 1A7H3 NS55359-27 96906 1A7H3 NS55359-27 96906 1A7H3 NS55359-27 96906 1A7H3 NS55359-27 96906 1A7H3 NS55359-27 96906 1A7H3 NS55359-27 96906 1A7H3 NS55359-27 96906 1A7H3 NS55359-27 96906 1A7H3 NS55359-27 96906 1A7H3 NS55359-27 96906 1A7H3 NS55359-27 96906 1A7H3 NS55359-27 96906 1A7H3 NS55359-27 96906 1A7H3 NS55359-27 96906 1A5H3 NS55					MS51017-34	96906		1A7H6
MS55338-23 96906 145813 16585 2533 70485 14685 MS55338-23 96906 145814 165814 16585 MS55338-23 96906 145814 165815 MS55338-23 96906 14784 16585 MS55357-28 96906 144812 165857-28 96906 144814 165857-28 96906 145816 165857-77 96906 145816 165857-77 96906 145816 165857-77 96906 145816 165857-77 96906 145816 165857-77 96906 145816 165857-77 96906 145816 165857-77 96906 145816 165857-77 96906 145816 165857-77 96906 145816 165857-77 96906 145816 165857-77 96906 145816 165857-77 96906 145816 165857-77 96906 145816 165857-77 96906 145816 165857-77 96906 145816 165816 165857-77 96906 145816 165816 165857-77 96906 145816 165816 165857-77 96906 145816 165816 165857-77 96906 145816 165857-77 96906 145816 165857-77 96906 145816 165816 165857-77 96906 145816 165816 165857-77 96906 145					2533	70485	1 1	
NS5538-23 96906 145H3 NS5538-23 96906 145H4 NS5538-23 96906 145H5 NS5538-23 96906 145H6 NS5538-23 96906 147H5 NS55358-23 96906 147H5 NS55357-28 96906 144H2 NS55357-28 96906 144H2 NS55357-28 96906 144H2 NS55357-28 96906 144H2 NS55357-41 96906 144H2 NS55357-41 96906 144H2 NS55357-77 96906 144H3 NS55357-77 96906 144H3 NS55358-22 96906 144H3 NS55358-22 96906 144H3 NS55358-22 96906 144H3 NS55359-25 96906 144H3 NS55359-25 96906 147H2 NS55359-25 96906 147H2 NS55359-25 96906 147H2 NS55359-25 96906 147H2 NS55359-25 96906 147H2 NS55359-26 96906 147H2 NS55359-26 96906 147H2 NS55359-26 96906 147H2 NS55359-26 96906 147H2 NS55359-26 96906 147H1 NS55359-26 96906 147H1 NS55359-26 96906 147H1 NS55359-26 96906 147H1 NS55359-26 96906 147H1 NS55359-26 96906 147H1 NS55359-26 96906 147H1 NS55359-26 96906 147H1 NS55359-26 96906 147H1 NS55359-26 96906 147H1 NS55359-43 96906 143H4 NS55359-43 96906 143H4 NS55359-43 96906 145H2 NS55					2533			
NS35338-23 96906 JA5H5 NS35338-23 96906 JA5H5 NS35338-23 96906 JA7H3 NS35338-23 96906 JA7H3 NS35338-23 96906 JA7H3 NS35357-28 96906 JA7H3 NS35357-28 96906 JA7H3 NS35357-28 96906 JA7H3 NS35357-28 96906 JA7H3 NS35357-41 96906 JA7H3 NS35357-41 96906 JA5H8 NS35357-47 96906 JA5H8 NS35357-47 96906 JA5H8 NS35358-22 96906 JA7H3 NS35358-22 96906 JA7H3 NS35358-22 96906 JA7H3 NS35359-25 96906 JA7H3 NS35359-25 96906 JA7H3 NS35359-25 96906 JA7H3 NS35359-26 96906 JA7H3 NS35359-24 96906 JA7H3 NS35359-24 96906 JA7H3 NS35359-24 96906 JA5H3 NS35359-4				1A5H13	-333		! !	DA JET
NS35338-23 96906 145HB 1 15HB	MS35338-23	96906		1A5H1.4				
M335318-23 96906 1A5H16 M335378-23 96906 1A7H3 M35357-28 96906 1A4H9 M35357-28 96906 1A4H9 M35357-28 96906 1A4H9 M35357-14 96906 1A4H9 M35357-17 96906 1A4H3 M35357-17 96906 1A5H17 M35357-77 96906 1A4H3 M35357-77 96906 1A4H3 M35357-77 96906 1A4H3 M35357-77 96906 1A4H3 M35357-77 96906 1A4H3 M35359-22 96906 1A4H3 M35359-25 96906 1A7H3 M35359-25 96906 1A7H3 M35359-25 96906 1A7H17 M35359-25 96906 1A7H17 M35359-25 96906 1A7H17 M35359-26 96906 1A7H17 M35359-26 96906 1A7H17 M35359-26 96906 1A7H17 M35359-26 96906 1A7H17 M35359-26 96906 1A7H17 M35359-26 96906 1A7H17 M35359-26 96906 1A7H17 M35359-26 96906 1A7H17 M35359-26 96906 1A7H17 M35359-26 96906 1A7H17 M35359-26 96906 1A7H17 M35359-26 96906 1A7H17 M35359-26 96906 1A7H17 M35359-26 96906 1A7H17 M35359-26 96906 1A7H11 M353599-26 96906 1A7H11 M353599-26 96906 1A7H11 M353599-26 96906 1A7H11 M353599-27 96906 1A7H11 M353599-28 96906 1A7H11 M353599-29 96906 1A7H11 M353599-43 96906 1A3H4 M353599-43 96906 1A3H4 M353599-43 96906 1A3H4 M353599-43 96906 1A3H4 M353599-43 96906 1A5H2 M353599-43 96906 1A5H2 M353599-43 96906 1A5H2 M353599-43 96906 1A5H2 M353599-43 96906 1A5H2 M353599-43 96906 1A5H4	MS35338-23	96906					1 1	
NS3538-23 96906 1A7H3	MS35338-23						·	
MS35538-25 96906 1A7HÅ 1A4HD 1							i 1	
MS35357-28 96906 1AHP2	MC3E339 03						1	
MS35357-28 96906 1A4H2 1A4H2 96906 1A4H12 1A4H12 1A4H12 1A4H3 96906 1A4H12 1A4H14 1A4H5 1A55357-11 96906 1A5H17 1A5518 1A55157-17 96906 1A5H17 1A5518 1A5H13 1A5H14 1A5H12 1A5H14 1A5H15 1A5H14 1A5H15 1A5H15 1A5H14 1A5H15 1A5H15 1A5H15 1A5H15 1A5H15 1A5H14 1A5H15	MEZEZEZ 09						1 1 1	
MS35357-28 MS35357-41 MS35357-41 MS35357-41 MS35357-77 MS35357-77 MS35357-77 MS35357-77 MS35357-77 MS35358-22 MS35358-22 MS35358-22 MS35358-22 MS35358-22 MS35359-25 MS35359-25 MS35359-25 MS35359-26 MS35359-27 MS35359-28 MS35359-43								
MS 35357-41 96906 1A4H4 18353557-47 96906 1A4H5 1A5H7 1A5H3 1A5H4 1A5H3 1A5H4 1A5H9 1A5H4 1A5H9 1A5H4 1A5H9 1A5H4 1A5H9 1A5H4 1A5H9 1A5H4 1A5H9 1A5H4 1A5H4 1A5H9 1A5H4								
MS35357-41 96906 1A4H5 96906 1A5H17 MS35357-777 96906 1A5H18 1A5H18 1A5H15 96906 1A5H18 1A4H3 1A5H18 1A4H3 1A5H18 1A4H3 1A5H18 1								
MS35357-777 96906 1A5H18 MS35358-22 96906 1A4H10 MS35358-22 96906 1A4H10 MS35358-22 96906 1A4H10 MS35359-25 96906 1A4H13 MS35359-25 96906 1A7H12 MS35359-25 96906 1A7H12 MS35359-25 96906 1A7H12 MS35359-26 96906 1A7H18 MS35359-26 96906 1A7H18 MS35359-26 96906 1A6H18 MS35359-26 96906 1A7H17 MS35359-26 96906 1A7H17 MS35359-26 96906 1A7H17 MS35359-26 96906 1A7H11 MS35359-26 96906 1A7H11 MS35359-26 96906 1A7H11 MS35359-26 96906 1A7H16 MS35359-43 96906 1A1H4 MS35359-43 96906 1A3H3 MS35359-43 96906 1A3H3 MS35359-43 96906 1A3H3 MS35359-43 96906 1A5H1 MS35359-43 96906 1A5H1 MS35359-43 96906 1A5H2 MS35359-43 96906 1A5H3 MS35359-43 96906 1A5							' I I	
MS35359-22 MS35358-22 MS35358-22 MS35358-22 MS35359-25 MS35359-25 MS35359-25 MS35359-25 MS35359-25 MS35359-26 MS35359-27 MS35359-28 MS35359-29 MS35359 MS35359 MS35359-29 MS35359			1A4H5					
MS35557-77 MS35558-22 MS35358-22 MS35358-22 MS35359-25 MS35359-25 MS35359-25 MS35359-25 MS35359-26 MS35359-27 MS35359-28 MS35359-28 MS35359-29 MS35359 MS35357-77	96906		1A5H17					
MS35358-22 96906 1A4H3 MS35358-22 96906 1A4H13 MS35359-25 96906 1A7H2 MS35359-26 96906 1A7H3 MS35359-26 96906 1A6H3 MS35359-26 96906 1A7H1 MS35359-43 96906 1A7H3 MS35359-43 96906 1A1H4 MS35359-43 96906 1A3H3 MS35359-43 96906 1A3H3 MS35359-43 96906 1A3H4 MS35359-43 96906 1A3H4 MS35359-43 96906 1A3H3 MS35359-43 96906 1A5H3 MS35359-43	MS35357-77	96906						
MS35358-22 96906 1A4H10 1A7H2 1A7H2 1MS35359-25 96906 1A7H12 1A7H8 1MS35359-25 96906 1A7H12 1A7H18 1MS35359-25 96906 1A7H17 1MS 1A7H18 1MS35359-26 96906 1A7H18 1MS35359-26 96906 1A7H11 1MS35359-26 96906 1A7H11 1MS35359-26 96906 1A7H11 1MS35359-26 96906 1A7H11 1MS35359-26 96906 1A7H11 1MS35359-26 96906 1A7H11 1MS35359-26 96906 1A7H11 1MS35359-43 96906 1A7H15 1A7H16 1A7H16 1A7H16 1A7H16 1A7H16 1A7H18 1MS35359-43 96906 1A7H16 1A7H18 1A		96906						
MS35358-22 96906 1A4H13 1A7H8 1S5359-25 96906 1A7H12 1A7H17 1A7H8 1S5359-26 96906 1A7H17 1A7H8 1S5359-26 96906 1A6H19 1A7H17 1S53559-26 96906 1A7H17 1S53559-26 96906 1A7H17 1S53559-26 96906 1A7H17 1S53559-26 96906 1A7H1 1S53559-26 96906 1A7H1 1S55559-26 96906 1A7H1 1S55559-28 96906 1A7H1 1S55559-28 96906 1A7H1 1S55559-28 96906 1A7H1 1S55559-28 96906 1A7H1 1S55559-28 96906 1A7H1 1S55559-28 96906 1A7H1 1S55559-28 96906 1A7H1 1S55559-28 96906 1A7H1 1S55559-28 96906 1A7H1 1S55559-28 96906 1A7H1 1S55559-28 96906 1A7H1 1S55559-28 96906 1A7H1 1S55559-28 96906 1A7H1 1S55559-28 96906 1A7H1 1S55559-28 96906 1A7H1 1S55559-28 96906 1A7H1 1S55559-28 96906 1A7H1 1S55559-28 96906 1A7H1 1S5F9 1A7SH1 1SFF9 1A7SH1 1A7								
MS35359-25 96906 1A7H8 MS35359-25 96906 1A7H17 MS35359-25 96906 1A7H17 MS35359-26 96906 1A6H18 MS35359-26 96906 1A6H18 MS35359-26 96906 1A7H17 MS35359-26 96906 1A7H17 MS35359-26 96906 1A7H11 MS35359-26 96906 1A7H11 MS35359-26 96906 1A7H11 MS35359-26 96906 1A7H15 MS35359-27 MS35359-43 96906 1A3H4 MS35359-43 96906 1A3H3 MS35359-43 96906 1A3H4 MS35359-43 96906 1A3H4 MS35359-43 96906 1A5H1 MS35359-43 96906 1A5H1 MS35359-43 96906 1A5H1 MS35359-43 96906 1A5H1 MS35359-43 96906 1A5H1 MS35359-43 96906 1A5H1 MS35359-43 96906 1A5H1 MS35359-43 96906 1A5H1 MS35359-43 96906 1A5H2 MS353559-43 96906 1A5H2 MS353559-43 96906 1A5H2 MS353559-43 96906 1A5H2 MS353559-43 96906 1A5H3								
MS35359-25 96906 1A7H12								
MS35359-25 96906 1A7HI7 1A7HI8 1A5HI2 1A5HI2 1A5HI9 1A5HI3 1A5HI2 1A5HI3 1A5HI2 1A5HI3						,		
MS35359-25 96906 1A7HL8 MS35359-26 96906 1A6HL8 MS35359-26 96906 1A7HT MS35359-26 96906 1A7HT MS35359-26 96906 1A7HL1 MS35359-26 96906 1A7HL1 MS35359-26 96906 1A7HL6 MS35359-43 96906 1A1H4 MS35359-43 96906 1A3H3 MS35359-43 96906 1A3H4 MS35359-43 96906 1A5HL MS35359-43 96906 1A5HL MS35359-43 96906 1A5HL MS35359-43 96906 1A5HL MS35359-43 96906 1A5HL MS35359-43 96906 1A5HL MS35359-43 96906 1A5HL MS35359-43 96906 1A5HL MS35359-43 96906 1A5HL MS35359-43 96906 1A5HL MS35359-43 96906 1A5HL MS35359-43 96906 1A5HL MS35359-43 96906 1A5HL MS35359-43 96906 1A5HL MS35359-43 96906 1A5HL MS35359-43 96906 1A5HL MS35359-43 96906 1A5HL MS35359-43 96906 1A5HL								
MS35359-26 96906 1A6HB MS35359-26 96906 1A7H7 MS35359-26 96906 1A7H1 MS35359-26 96906 1A7H1 MS35359-26 96906 1A7H1 MS35359-43 96906 1A1H4 MS35359-43 96906 1A3H3 MS35359-43 96906 1A3H4 MS35359-43 96906 1A5H1 MS35359-43 96906 1A5H1 MS35359-43 96906 1A5H1 MS35359-43 96906 1A5H1 MS35359-43 96906 1A5H1 MS35359-43 96906 1A5H2 MS35359-43 96906 1A5H2 MS35359-43 96906 1A5H2 MS35359-43 96906 1A5H4 MS35359-43 96906 1A5H4 MS35359-43 96906 1A5H4 MS35359-43 96906 1A5H4								
MS35359-26 96906 1A6H.9 MS35359-26 96906 1A7H.1 MS35359-26 96906 1A7H.1 MS35359-26 96906 1A7H.1 MS35359-43 96906 1A1H.4 MS35359-43 96906 1A3H.4						!		
MS35359-26 96906 1A7H1 96906 1A7H1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						!		
MS35359-26 96906 1A7H11 MS35359-26 96906 1A7H16 MS35359-43 96906 1A1H4 MS35359-43 96906 1A3H3 MS35359-43 96906 1A3H4 MS35359-43 96906 1A3H4 MS35359-43 96906 1A5H1 MS35359-43 96906 1A5H1 MS35359-43 96906 1A5H2 MS35359-43 96906 1A5H2 MS35359-43 96906 1A5H2 MS35359-43 96906 1A5H2 MS35359-43 96906 1A5H2 MS35359-43 96906 1A5H4 MS35359-43 96906 1A5H4	MS35359-26	96906		146н19				
MS35359-26 96906 1A7H1 1A7H1 96906 96906 1A7H15 96906 1A1H4 96906 96906 1A1H4 96906 1A1H4 96906 1A1H4 96906 1A1H4 96906 1A1H4 96906 1A1H4 96906 1A3H3 96906 1A3H3 96906 1A3H4 9635359-43 96906 1A3H4 9635359-43 96906 1A5H1 96906 1A5H1 96906 1A5H1 96906 1A5H2 96906 1A5H2 96906 1A5H2 96906 1A5H2 96906 1A5H2 96906 1A5H2 96906 1A5H2 96906 1A5H3 96906 1A5H4 9635359-43 96906 1A5H4 96906 1A5H4 96906 1A5H4 96906 1A5H4 96906 1A5H4 96906 1A5H4	MS35359-26	96906		1A7H7				
MS35359-26 MS355359-26 MS355359-43 MS35359-43 MS35359-26	96906							
MS35359-26 MS35359-43								
MS35359-43 96906 1A1H4 MS35359-45 96906 1A2H4 MS35359-43 96906 1A3H4 MS35359-43 96906 1A5H1 MS35359-45 96906 1A5H2 MS35359-45 96906 1A5H2 MS35359-43 96906 1A5H2 MS35359-43 96906 1A5H4 MS35359-43 96906 1A5H4 MS35359-43 96906 1A5H4								
MS35359-43 96906 1A2H4 MS35359-43 96906 1A3H3 MS35359-43 96906 1A3H4 MS35359-43 96906 1A5H1 MS35359-43 96906 1A5H2 MS35359-43 96906 1A5H2 MS35359-43 96906 1A5H4 MS35359-43 96906 1A5H4 MS35359-43 96906 1A5H9								
MS35359-43 96906 1A3H3 MS35359-43 96906 1A3H4 1 MS35359-43 96906 1A5H1 1 MS35359-43 96906 1A5H2 1 MS35359-43 96906 1A5H3 1 MS35359-43 96906 1A5H4 1 MS35359-43 96906 1A5H9								
MS35359-43 96906 1A3H4 MS35359-43 96906 1A5H1 MS35359-43 96906 1A5H3 MS35359-43 96906 1A5H4 MS35359-43 96906 1A5H4 MS35359-43 96906 1A5H4								
MS35359-43 96906 1A5H1 MS353599-45 96906 1A5H2 MS35359-43 96906 1A5H3 MS35359-43 96906 1A5H4 MS35359-43 96906 1A5H9			1 1					
MS35359-43 96906 1A5H2 MS35359-43 96906 1A5H4 MS35359-43 96906 1A5H4 MS35359-43 96906 1A5H9						1		
MS35359-43 96906 1A5H3 MS35359-43 96906 1A5H4 1			1 1					
MS35359-43 96906 1A5H4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				1A5H2		!		
MS35359-43 96906 1 1A5H4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MS35359-43	96906	1 1	1A5H3		1		
MS 35359-43 96906 1145H9 11 1						j	1 1	
MS35359-435 196906 1 145H10 ■	MS35359-43	96906	1 1	1A5H10				

AMSEL-ME Form 1 Nov 48 6069 PU-724/G

SECTION viti INDEX-REFERENCE DESIGNATION CROSS REFERENCE TO PAGE NUMBER

REFERENCE	PAGE	REFERENCE	PAGE	REFERENCE	PA
DESIGNATION	NUMBER	DESIGNATION	NUMBER	DESIGNATION	NUI
1A1H4	0.5	1A4H23	C-6	1 A 5H6	3-/
LAI H4 LAI MG	C-5 C-4.C-5	1A4H24	C-6	1A5H7	č-4
laimg laifl		184825	C-6	1A5H8	C-7 : '4L''
	C-5	1A4H26	C-6	1A5H9	: "L"
1A2H4	C-5	1A4H27	C-6	1A5H10	
1A3H1	c-5	1A4H28	C-6		
1A3H2 1A3H3	C-5 C-5	1A4H29	C-6	1A5H11 1A5H12	
	C-5	1 A4H3 0	C-6		
1A3H4	C-5	1A4H31	C-7	1A5H13	
1A3H5	C-5	1A4H32	C-7	1A5H14	
1A3H6	C-5 C-5	1A4H33	C-7	1A5H15	!
1A3J1	C-5	1A4H34	C-7	122112	İ
1A3MP	C-5	1A4H35	C-7	1A5H17	İ
1A3MP1	c - 5	1A4H36	C-7	1A5H18	!
1A3MP3	C-5	1A4H37	C-7	1A5H19	!
1A4C1	C-5	1A4H37 1A4H38	C-7 C-7	1A5H20	ŀ
1A4C2	c 5 c-5			LA5MG	ŀ
1A4C3	C-5	1A4H39	C-7	1A5MP1	i
1A4C4	C-5	1A4H40	C-7	LA5MP?	İ
1A4E1	c-6	1A4H41	C-7	1.5MP3	ì
1 A4E 2	c-6	144442	C-7	1A5MP4	į.
1A4E3	c-6	1A4H43	C-7	1.A.5 M.P.5	
1A4E4	c-6	1A4H44	C-7	1A6C1	ì
1A4E5	c-6	1 A4H4 5	C-7	LA6H1	ì
1.4466	c-6	1 A4 H46	C-7	1A6H2	ì
1A4E7	C -6	1 A4H4 7	C-7	1A6H3	ì
1A4E8	č -6	1 A4 H48	C-7	1A6H4	
1.44.189	c -6	1A4H49	C-7	1A6H5	
1A4E10	č-7	1A4H50	C-7	1A6H6	ì
LAAFL	C-5	1A4H51	Č-7	1A6H7	ì
1A4H1	C-5	1A4H52	Č-7	1A6H8	
1A4H2	C-5	1A4H53	C-7	1A6H9	
1A4H3	C-5	1A4H54	Č-7	1A6H10	
1A4 H4	C-5 C-5	1A4H55	C-7	1A6H11	
1A4H5	C-5	1A4H56	č-7	1A6H12	
1A4 H6	C-5 C-5	1A4L1	C-6	1A6H13	
1A4H7	U-5	1A4L2	C-6	1A6H14	
1A4H8	C-5	1AANP1	C-7	1A6H15	
1A4H9	C-5 C-5	1A4TB1	C-7	LAGHIS LAGHIG	ì
1A4H9 1A4H10	C-5 C-5	1A4W1	C-7	1A6H17	
1A4H10 1A4H11		1A4W2	C-7	1A6H17 1A6H18	
1A4H11 1A4H12	C-6	1A5E1	C-7	1A6H19	ì
	C-6	1A5E2	C-7		
1A4H13	C-6	1A5E3	C-4.C-8	1A6H2O	
1A4H14	c-6	1A5E4	C-8	1A6H21	
1A4H15	c-6	1A5E5	C-8	1A6MP1	
1A4H16	c-6	1A5E6	C-8 C-♠,C-8	1A6MP2	į.
1A4H17	C-6	1A5E7	C-8	1A6MP3	ì
1A4H18	c-6	1A5H1	C -8 C -8	1A6MP4	ŀ
1A4H19	c-6			1A6MP5	į.
1A4H20	c-6	1A5H2	C -8	la6MP6	!
1A4H21	c-6	1A5H3	C -8	1A6W1	
		1 A Part			
1A4H22	c-6	1A5H4 1A5H5	C-8 C-8	1A7C1	ļ

AMSEL-ME Form | Nov 48 6114 PU-724/G

ESC-FM 4536-46

SECTION VIII INDEX-REFERENCE DESIGNATION CO OSS REFERENCE TO PAGE NUMBER

REFERENCE DESIGNATION	PAGE NUMBER	REFERENCE DESIGNATION	PAGE NUMBER	REFERENCE DESIGNATION	PAGE
	\ \\ \ \ \ \ \		<u> </u>		
1A7H1	C-9				
1A7H2	c-9				
1A7H3	C-10				
1A7H4	C-10		1		
1A7H5	C-10				
1A7H6	C-10				
1A7H7	C-10				
1A7H8	C-10				
1A7H9	C-10				
1A7H10	C-10		i		
1A7H11	C-10				
1A7H12	C-10				
1A7H13	C-10				
1A7H14	C-10		1		
1A7H15	C-10				
1A7H16	C-10				
1A7H17	C-10				
1A7H18	C-10				
1A7H19	C-10				
1A7H20	C-10				
1A7H21	C-10				
1A7H22	C-10				
1A7MP1	C-9				
1A7MP2	C-10				
LA7MP3	C-10				
1A7MP4	C-10				
1A7MP5	C-10				
LA7MP6	C-10		ı		
LA7MP7	C-10				
lA7Wl	C-9				
1A7W2	C-9				
LASE1	C-10				
1A8E2	C-10				
LASMP1	C-10				
1A3MP2	C-10				
1A8MP6	C-10		:		
1A9E2	C-10		I		
LA9E3	C-11				
1A9E4	C-11				
LA9E5	C-11				
1A9E6	C-11			•	
1A9E7	C-11				
1A9L1	C-11				
1A9MP	C-10				
LA9MP1	C-10				
1A9MP2	C-11		I		
1A9MP3	C-11		I		
1A9W1	C-10				
	5 .5] 	
	1				
	i		-	ı	
			1		

ESC-PM 4536-46

By Order of the Secretary of the Army:

W. C. WESTMORELAND, General, United States Army, Chief of Staff.

Official:

VERNE L. BOWERS, Major General, United States Army, The Adjutant General.

Distribution:

To redistributed in accordance with DA Form 12–51, 0perator maintenance requirements for the AN/GRC-46 and AN/GRC-142 radio sets.

¥U.S. GOVERNMENT PRINTING OFFICE: 1993 - 342-421/62648

(A196) ARMATURE SHAFT BEARING (A195) INSULATION -AC SLIP RINGS (A120) INSPECTION PLATE (A193) CAPACITOR AC END BELL (A128) AC BRUSH INSULATED CAP (A125) LOUVERS

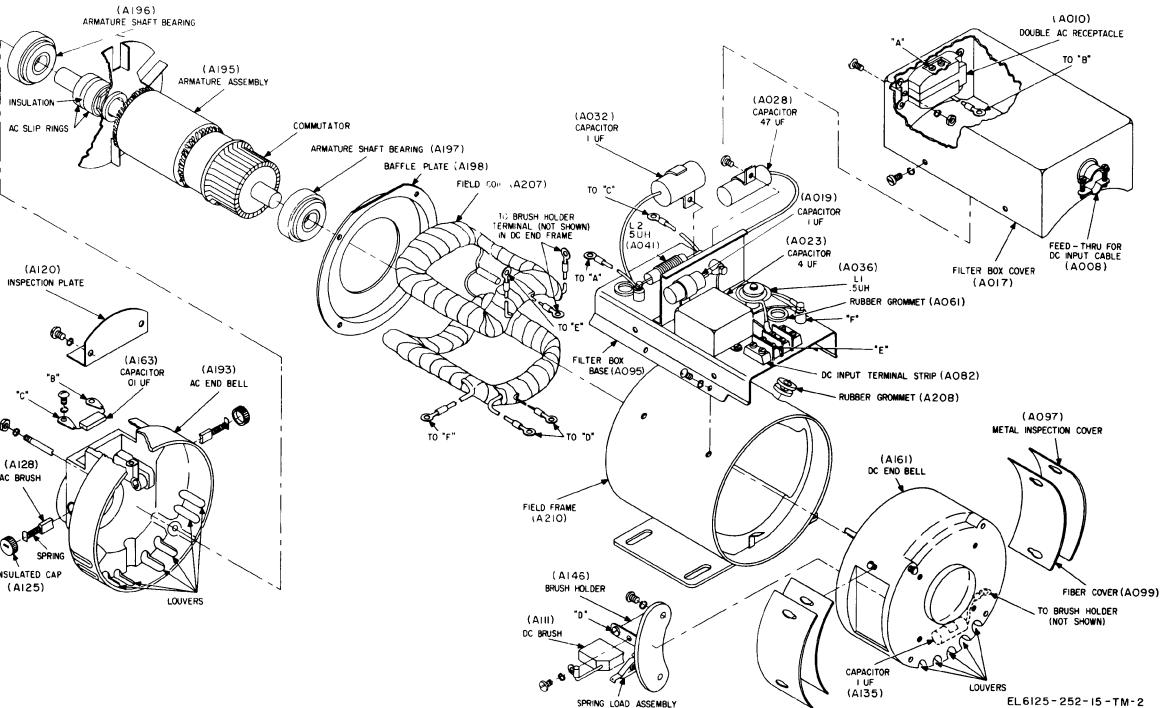


Figure 5-1. M. for generator, exploded view.

PIN :008904-000