TM 11-5965-262-13

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

ORGANIZATIONAL AND DS MAINTENANCE MANUAL INCLUDING REPAIR PARTS AND SPECIAL TOOL LISTS

HEADSET-MICROPHONE H-161/U AND H-161A/U

This copy is a reprint which includes current pages from Changes 1 and 2.

HEADQUARTERS, DEPARTMENT OF THE ARMY
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Technical Manual
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HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, D.C., *23 February 1966*

Organizational and DS Maintenance Manual Including Repair Parts and Special Tools List
HEADSET-MICROPHONES H-161/U AND H-161A/U

*This manual supersedes TM 11-5965-262-13, 18 May 1962, Including C 1, 30 October 1962, C 2, 21 June 1963 and TM 11-5965-262-23P, 26 October 1962, including C 1, 5 October 1964.

CHAPTER 1
INTRODUCTION

Section I. GENERAL

1-1. Scope

This manual describes Headset-Microphones H-161/U and H-161A/U (figs. 1-1 and 1-2) and covers their installation, operation, and organizational maintenance. It includes operation, cleaning and inspection of the equipment, and replacement of parts available to organizational and direct support maintenance personnel.

1-2. Indexes of Publications

a. DA Pam 310-4. Refer to the latest issue of DA Pam 310-4 to determine whether there are new editions, changes, or additional publications pertaining to the equipment.

b. DA Pam 310-7. Refer to DA Pam 310-7 to determine whether there are modification work orders (MWO's) pertaining to the equipment.

1-3. Forms and Records

a. Reports of Maintenance and Unsatisfactory Equipment. Maintenance forms, records, and reports which are to be used by maintenance personnel at all maintenance levels are listed in and prescribed by TM 38-750.

b. Report of Packaging and Handling Deficiencies. Fill out and forward DD Form 6 (Report of Packaging and Handling Deficiencies) as prescribed in AR 700-58/NAVSUP PUB 378/AFR 71-4/MCO P4030.29, and DSAR 4145.8.

c. Discrepancy in Shipment Report (DISREP) (SF 361). Fill out and forward Discrepancy in Shipment Report (DISREP) (SF 361) as prescribed in AR 55-38/NAVSUPINST 4610.33/AFM 75-18/MCO P4610.19A, and DSAR 4500.15.

1-3.1. Reporting of Errors Equipment Publication Improvements

The reporting of errors, omissions, and recommendations for improving this publication by the individual user is encouraged. Reports should be submitted on DA Form 2028 (Recommended Changes to Publications and Blank Forms), and forwarded direct to Commander, US Army Electronics Command, ATTN: AMSEL-MA-A, Fort Monmouth, NJ 07703.

Section II. DESCRIPTION AND DATA

1-4. Purpose and Use

Headset-Microphones H-161/U and H-161A/U provide facilities for transmission and reception of voice-frequency speech signals. They can be used with portable and vehicular radio sets in areas where background noise is medium to high. They can be worn under the M1 infantry helmet. Both models are similar, except that the H-161A/U eliminates more background noise.

1-5. Technical Characteristics

Frequency response ..... 300 to 3,500cps.
Headset impedance ..... 500 ohms.
Normal headset input level .... 56 dbm at 1,000 cps.

1-6. Table of Components

The components of Headset-Microphones H-161/U and H-161A/U are listed in the basic issue items list (appx III), and are illustrated in figures 1-1 and 1-2.

1-6.1. Items Comprising an Operable Equipment

Headset-Microphone H-161/U (FSN 5965-825-4871) and Headset-Microphone H-161A/U (FSN 5965-082-4037) each comprises an operable equipment.

1-7. Description of Headset-Microphones H-161/U and H-161A/U

(figs. 1-1 and 1-2)

Both units consist of two earphone cup assemblies, a headband assembly, microphone and boom assembly, neck strap-suspended chest set assembly (switch), retractile cable assembly, and a head-set card assembly. These assemblies are described below.

a. Earcup Assembly. The earcup assembly consists of an earphone, earphone retainer, transformer, earcup plate, and earcup cushion. The earcup and earcup plate are made of lightweight high impact plastic.

b. Microphone and Boom Assembly. The microphone and boom assembly holds the microphone close to the operator's lips, and helps eliminate background noise. The boom microphone case is made of lightweight high impact plastic.

c. Chest Switch Assembly. The chest switch assembly employs a three-position switch to select the circuit over which the user wishes to talk and listen.

1-8. Differences Between Models

(figs. 5-1 and 5-2)

Headset-Microphone H-161A/U is interchangeable with the H-161/U, but the H-161/U cannot be substituted for the H-161A/U. Connector, Plug, Electrical U-182/U on the H-161A/U interphone cord has been rewired to include a ground wire to pin A (fig. 5-2). This change was made to help eliminate background noise. The H-161A/U uses a chest strap, instead of the clothing clip used on the H-161/U (figs. 1-1 and 1-2), to hold the chest switch assembly close to the user's chest.

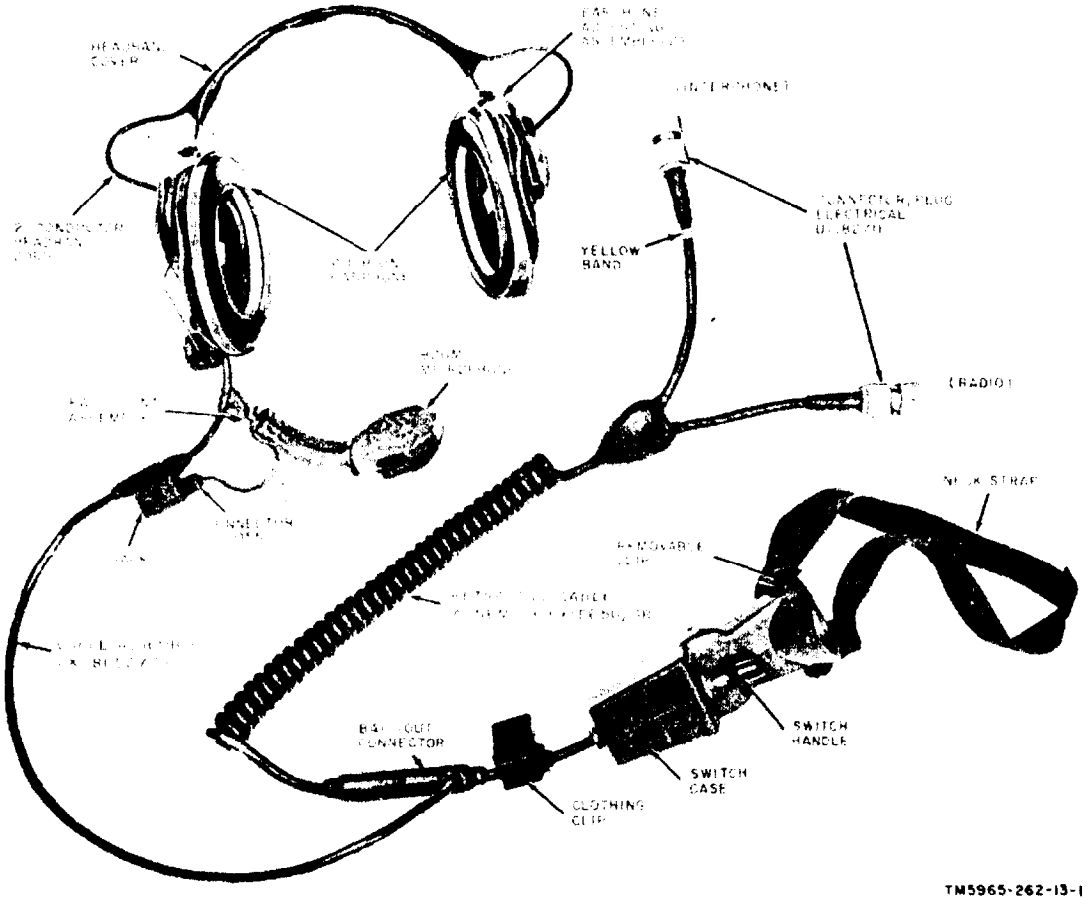


Figure 1-1. Headset-Microphone H-161/U.

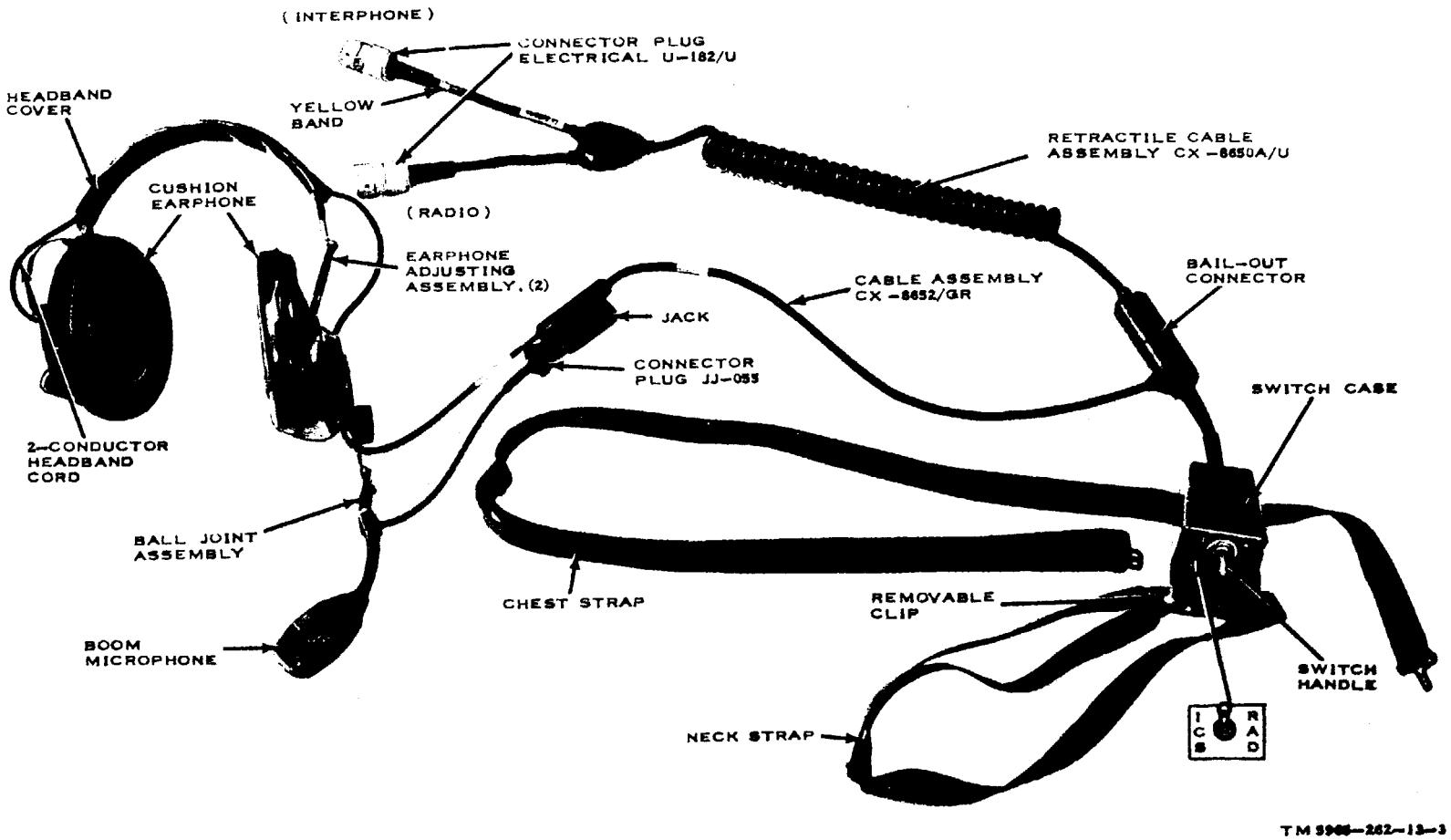


Figure 1-2. Headset-Microphone H-161A/U.

CHAPTER 2

INSTALLATION AND OPERATING INSTRUCTIONS

2-1. Installation

(fig. 1-1 and 1-2)

a. Connection to Radio Set.

(1) Insert the U–182/U on the short cord into the receptacle on the radio equipment provided for radio communication.

(2) Rotate the plug slowly to the right, keeping a steady forward pressure against the receptacle. When the plug pins are in the proper grooves, the plug will move forward.

(3) Twist the plug to the right and pull sharply to set the plug.

(4) Insert the U-182/U on the long cord into the receptacle on the radio equipment provided for interphone communications, and repeat the procedures given in (2) and (3) above.

b. Headset Installation.

(1) Extend each earphone adjusting assembly to its full range. Place the headset on your head.

(2) Hold one earphone assembly firmly in place over your ear and press the headband down. The headband will slide smoothly into position. Do the same with the other earphone cup.

(3) Readjust for maximum comfort.

(4) When using the H-161/U, fasten the clothing clip to the front of your clothing.

Warning: **Do not fasten the clothing clip to anything that will not remain with you if you leave the area in a hurry.**

(5) When using the H-161A/U, fasten the chest strap around your body.

(6) Using your fingers, loosen the tension nut (behind the ball joint assembly) one-half turn and adjust the position of the microphone. Position the microphone so that it touches the lips. Tighten the tension nut when the position is satisfactory.

c. Chest Switch Assembly Installation.

(2) Unfasten the removable neck strap clip from the chest set and adjust the neck strap to length. Put on the chest set.

(2) Carefully align the male and female bail-out connectors and plug them together.

2-2. Operating Procedure

a. For transmission on the radio circuit, push the switch handle (fig. 1–1 and 1–2) to RAD and hold it there. Release the switch handle to the off (center) position for listening.

b. To talk and listen on the interphone circuit, move the switch handle to ICS. The switch will lock in this position.

CHAPTER 3

OPERATOR'S MAINTENANCE INSTRUCTIONS

3-1. Scope of Operator's Maintenance

The maintenance duties assigned to the operator of the H–161/U and H–161A/U are listed below, with a reference to the paragraphs covering the specific maintenance function.

a. Operator's daily preventive maintenance checks and services (para 3–5).

b. Cleaning (para 3-6).

3-2. Items Required for Maintenance

Only the following items are required for maintenance:

a. Cleaning compound (FSN 7930-395-9542).

b. Cleaning cloth.

Warning: **Prolonged breathing of cleaning compound is dangerous; make sure that adequate ventilation is provided. Cleaning compound is flammable; do not use near a flame. Avoid contact with the skin; wash off any that spills on your hands.**

3-3. Preventive Maintenance

Preventive maintenance is the systematic care, servicing, and inspection of equipment to prevent the occurrence of trouble, to reduce downtime, and to assure that the equipment is serviceable.

a. Systematic Care. The procedures given in paragraphs 3-4, 3-5, and 3-6 cover routine systematic care and cleaning essential to proper upkeep and operation of the equipment.

b. Preventive Maintenance Checks and Services. The preventive maintenance checks and services chart (para 3-5) outlines functions to be performed at specific intervals. These checks and services are to maintain Army electronic equipment in a combat serviceable condition; that is in good general (physical) condition and in good operating condition. To assist operators in maintaining combat serviceability, the chart indicates what to check and the normal conditions; the *References* column lists the illustration, paragraph, or appendix that contains detailed repair or replacement procedures. If the defect cannot be remedied by the operator, higher level maintenance or repair is required. Records and reports of these checks and services must be made in accordance with the requirements set forth in TM 38-750.

3-4. Preventive Maintenance Checks and Services Periods

Paragraph 3-5 specifies checks and services that must be accomplished daily or under the special conditions listed below:

a. Before the H–161/U or H–161A/U is put into operation.

b. When the H-161/U or H-161A/U is initially installed.

c. When the H–161/U or H–161A/U is reinstalled after removal for any reason.

3-5. Operator's Daily Preventive Maintenance Checks and Services Chart

Sequence No.	Item to be inspected	Procedure	References
1	Completeness -------	Check to see that all assemblies are on hand and are connected properly.	Appx III and figs. 1-1 and 1–2.
2	Cleanliness -.--	Chcck all components for dust, dirt, grease, and fungus. Use a dry, clean, lint-free cloth or brush to remove dust, fungus, and dirt. If necessary, moisten the cloth or brush with cleaning compound (FSN 7930-395-9542). After cleaning, wipe dry with a cloth. ***Warning:*** **Cleaning compound is flammable and its fumes are toxic. Do not use near a flame; provide adequate ventilation.** ***Caution:*** **When cleaning the earphone or microphone cap, do not insert sharp tools into the holes.**	Para 3-6.
3	Cabling ----------	Check cables for cuts, cracks, and breaks, and check retractile cable for proper tension.	Figs. 1-1 and 1-2.
4	Straps ----------	Check to see that the chest and neck straps are not cut or damaged.	Figs. 1-1 and 1-2.
5	Knob and switch...	Check to see that the knob setscrew and switch mounting are tight.	Figs. 1–1 and 1-2.
6	Operation ----------	*a.* For transmission on the radio circuit, push the switch handle to RAD and hold. Release switch handle to the off (center) position for listening.	Figs. 1-1 and 1-2.
		b. To talk and listen on the interphone circuit, move the switch handle to ICS; the switch will lock in this position.	Figs. 1-1 and 1-2.

3-6. Cleaning

Inspect the exteriors of the headset-microphone. The exterior surfaces should be free of dust, dirt, grease, and fungus.

a. Remove dust and dirt with a soft, clean cloth.

Warning: **Prolonged breathing of cleaning compound is dangerous; make sure adequate ventilation is provided. Cleaning compound is flammable; do not use near a flame. Avoid contact with the skin; wash off any that spills on your hands.**

b. Remove grease, fungus, and ground-in dirt from cables and components; use a cloth dampened (not wet) with cleaning compound.

c. Remove tarnish and corrosion from plugs and jacks with crocus cloth, or jeweler's rouge applied to a soft cloth.

CHAPTER 4

ORGANIZATIONAL MAINTENANCE INSTRUCTIONS

4-1. Scope of Organizational Maintenance

a. This chapter contains instructions covering organizational maintenance of the H–161/U and H-161A/U.

b. Organizational maintenance consists of the following:

(1) Preventive maintenance (para 4-3).

(2) Replacement of defective components (para 4-3).

(3) Minor repair of defective components (para 4-3).

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

The tools, materials, and test equipment required for organizational maintenance are as follows:

a. Tools. Tool Kit, Radar and Radio Repairman TK-87/U.

b. Materials.

(1) Cleaning Compound (FSN 7930-395-9542).

(2) Cleaning cloth.

c. Test Equipment. Multimeter TS-352/U.

4-3. Quarterly Preventive Maintenance Checks and Services Chart

Sequence No.	Item to be inspected	Procedure	Referemces
1	Completeness -------	Check to see that the equipment is complete; replace missing assemblies.	Appx III and figs. 1-1 and 1-2.
2	Cabling ----------	Check and replace cable assemblies having cuts, cracks, or breaks; replace retractile cable if tension is weak.	Appx IV and figs 1-1 and 1-2.
3	Earphones ---------	Check and repair or replace headband, earphone cushions, earphone adjusting assemblies, and earphone covers that are broken, torn, damaged, or have reached a mechanical condition that would result in marginal reliability.	Appx IV and figs. 1-1 and 1-2.
4	Boom microphone ---	Check and repair or replace microphone, microphone cover, and ball joint assembly that are broken, damaged, or have reached a mechanical condition that would result in marginal reliability.	Appx IV and figs. 1–1 and 1-2.
5	Chest set-	Check and repair or replace neck strap and switch case and clothing clip that are broken, cut, damaged, or have reached a mechanical condition that would result in marginal reliability.	Appx IV and figs. 1–1 and 1-2.
6	Knob and switch----	Tighten or replace if setscrew cannot be tightened, and if knob is chipped or broken. Tighten switch mounting.	Appx IV and figs 1-1 and 1-2.
7	Modifications---- ..-	Check DA Pam 310-4 to determine if new applicable MWO's have been published. All URGENT MWO's must be applied immediately. All NORMAL MWO's must be scheduled.	DA Pam 310-4.

CHAPTER 5

DIRECT SUPPORT MAINTENANCE INSTRUCTIONS

5-1. Scope of Direct Support Maintenance

Maintenance at the direct support level includes all the techniques outlined for organizational maintenance and any special techniques required to isolate defective parts or components. These techniques are described in the troubleshooting chart (para 5-3). Direct support maintenance includes replacement of parts not available at lower levels of maintenance.

5-2. Troubleshooting

The systematic troubleshooting procedure, which begins with the operational and sectionalization checks that are performed at an organizational level, is carried to a higher level in this chapter. The sectionalizing, localizing, and isolating techniques used in the troubleshooting procedures are more advanced. Use Multimeter TS–352/U when making continuity checks, and compare the measured resistance with the direct-current (dc) resistance chart (para 54).

5-3. Troubleshooting Chart

Item No.	Trouble symptom	Probable trouble	Checks and corrective measures
1	No sound from either earphone.	Connectors, Plug Electrical U-182/U not seated.	Disconnect and reconnect Connectors, Plug Electrical U-182/U (figs. 1-1 and 1-2).
		Defective Connectors, Plug, Electrical U-182/U.	Substitute a known good cable assembly (CX-8650/U or CX-8650A/U) for the one having the suspected defective U-182/U's. If sound is restored to both earphones, the original U-182/U's should be replaced (figs. 1–1, 1-2, 5-1, and 5–2).
		Defective retractile Cable Assembly CX-8650/U (or CX-8650A/U).	Substitute a known good CX-8650/U (or CX-8650A/U). If sound is restored, check continuity of the white and black wires in the cable (figs. 5-1 and 5-2). Replace with new cable if an open or short circuit is found.
		Defective bailout connector.	Inspect connector for bent or broken contacts (figs. 1-1 and 1-2). If unrepairable, replace retractile Cable Assembly CX-8650/GR (or CX-8650A/GR) or Cable Assembly CX-8652/GR.
2	Intermittent sound from both earphones.	Loose connections..	Check connections on earphone transformer primary on boom microphone side of headset (figs. 1–1, 1–2, 5-1, and 5–2). Tighten connections.
3	No sound from one earphone.	Defective jumper cord between earphones.	Check continuity of jumper cord between earphone transformer primary windings (figs. 5-1 and 5-2). Replace if open- or short-circuited.
		Defective electromagnet winding.	Check continuity of electromagnet winding (para 5–4 and figs. 5-1 and 5-2). If open or short, replace entire earphone assembly.
		Defective earphone transformer primary winding.	Check continuity of transformer primary winding (figs. 5-1 and 5-2) . If open- or short-circuited, replace transformer assembly.
		Defective earphone transformer secondary winding.	Check continuity of transformer secondary winding (figs. 5-1 and 5–2). If open- or short-circuited, replace transformer assembly.

Item No.	Trouble symptom	Probable trouble	Checks and corrective measures
4	No transmission on both radio and interphone circuits.	Defective microphone transformer.	Check continuity of microphone transformer secondary winding at Connector Plug JJ–055 (figs. 1–1 and 1–2). If open- or short-circuited, replace the boom microphone.
		Defective Cable Assembly CX-8652/GR.	Check the continuity of the red and shield microphone circuit, between J1 and the bailout connector of the CX-8652/GR (figs. 1-1, 1-2, 5-1, and 5-2). If open- or short-circuited, replace the CX-8652/GR.
		Defective dynamic microphone.	If a continuity check of Cable Assembly CX-8652/GR is satisfactory, replace the dynamic microphone.
		Defective toggle switch.	Cheek connections and continuity of the toggle switch in the chest switch assembly (figs. 5–1 and 5–2). Tighten loosened connections and replace a defective switch.
		Defective bailout connector.	Check bailout connector contacts to determine if they are broken or bent (figs. 1-1, 1–2, 5–1, and 5–2). Replace Cable Assembly CX–8650/GR or CX-8652/GR, if necessary.
5	No transmission in interphone circuit.	Defective Cable Assembly CX-8650/GR.	Check continuity of the orange wire in the interphone cord (figs. 1-1 and 5-1). Replace a defective CX-8650/GR.
		Defective Cable Assembly CX-8650A/GR.	Check continuity of the orange and black wires in the interphone cord (figs. 1–2 and 5–2). Replace a defective CX-8650A/GR.
		Defective Connector, Plug Electrical U-182/U.	Check condition and seating of the U-182/U for broken or bent contacts (figs. 5–1 and 5–2). Replace a defective U-182/U.
		Defective toggle switch.	Check continuity of toggle switch. Replace if necessary.
6	No transmission in radio circuit.	Defective Cable Assembly CX-8650/U.	Check continuity of the red and black wires in the radio cord (figs. 1-1 and 5-1). Replace a defective CX-8650/U.
		Defective Cable Assembly CX-8650A/U.	Same as above (figs. 1-1 and 5-1). Replace a defective CX-8650A/U.
		Defective toggle switch.	Check continuity of toggle switch (figs. 5-1 and 5-2). Replace if necessary.

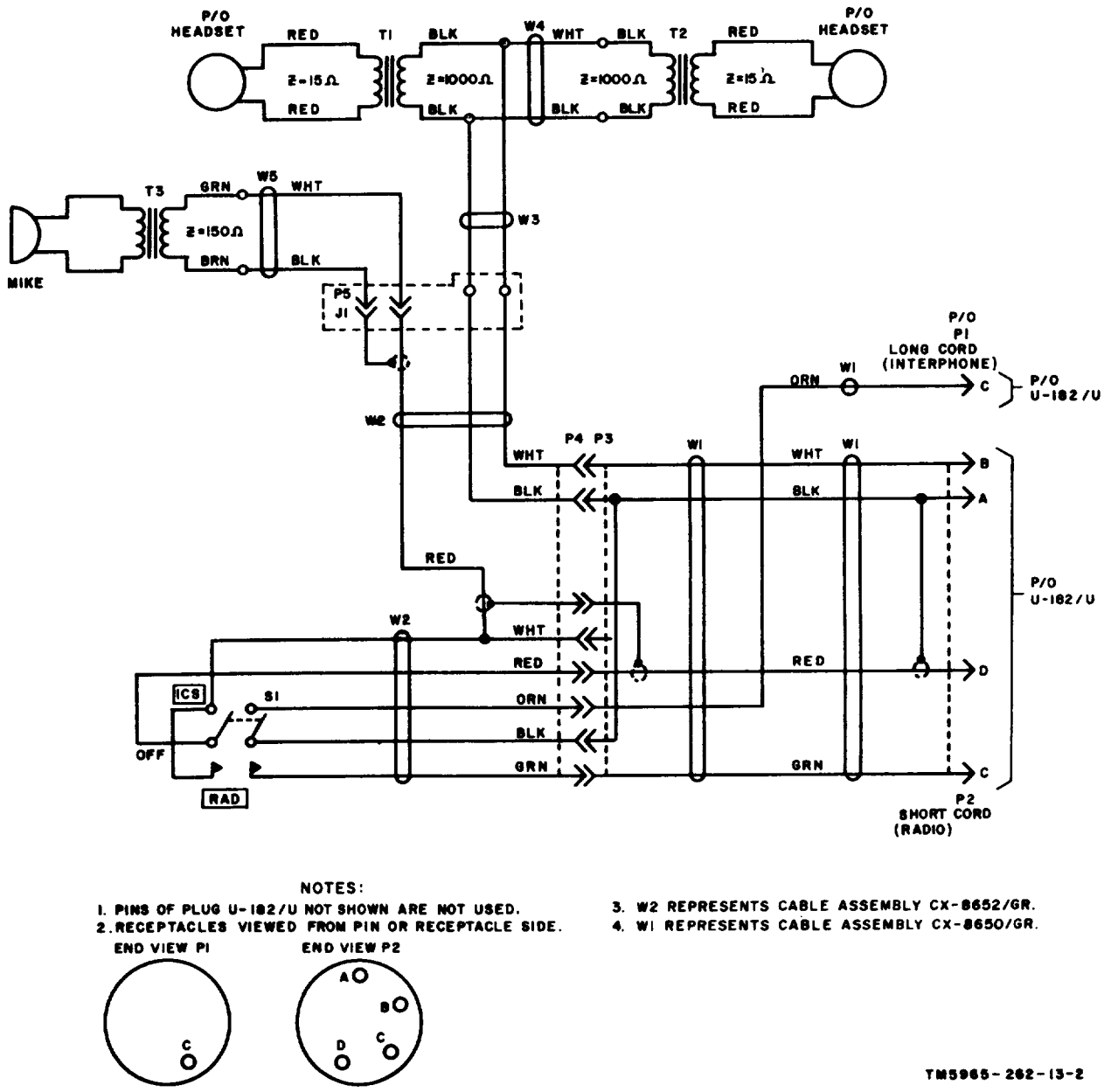
5-4. DC Resistance Chart

All measurements made with Multimeter TS 352/U.

Item	Resistance (approx)
Earphone transformer primary (one) --------	50 ohms.
Earphone transformer primary (parallel) -----	25 ohms.
Earphone transformer secondary ----------	1½ ohms.
Earphone electromagnet ----------	16 ohms.
Microphone transformer secondary ----------	11.8 ohms.

5-5. Disassembly and Reassembly

All the parts in the H-161/U (or H-161A/U) can be reached easily and replaced without special procedure. When disassembling the earphone, microphone, or chest switch assembly, note the position and color of the wires. Be sure to reconnect the wires to the same terminals from which they were removed.



NOTES:

1. PINS OF PLUG U-182/U NOT SHOWN ARE NOT USED.
2. RECEPTACLES VIEWED FROM PIN OR RECEPTACLE SIDE.
3. W2 REPRESENTS CABLE ASSEMBLY CX-8652/GR.
4. W1 REPRESENTS CABLE ASSEMBLY CX-8650/GR.

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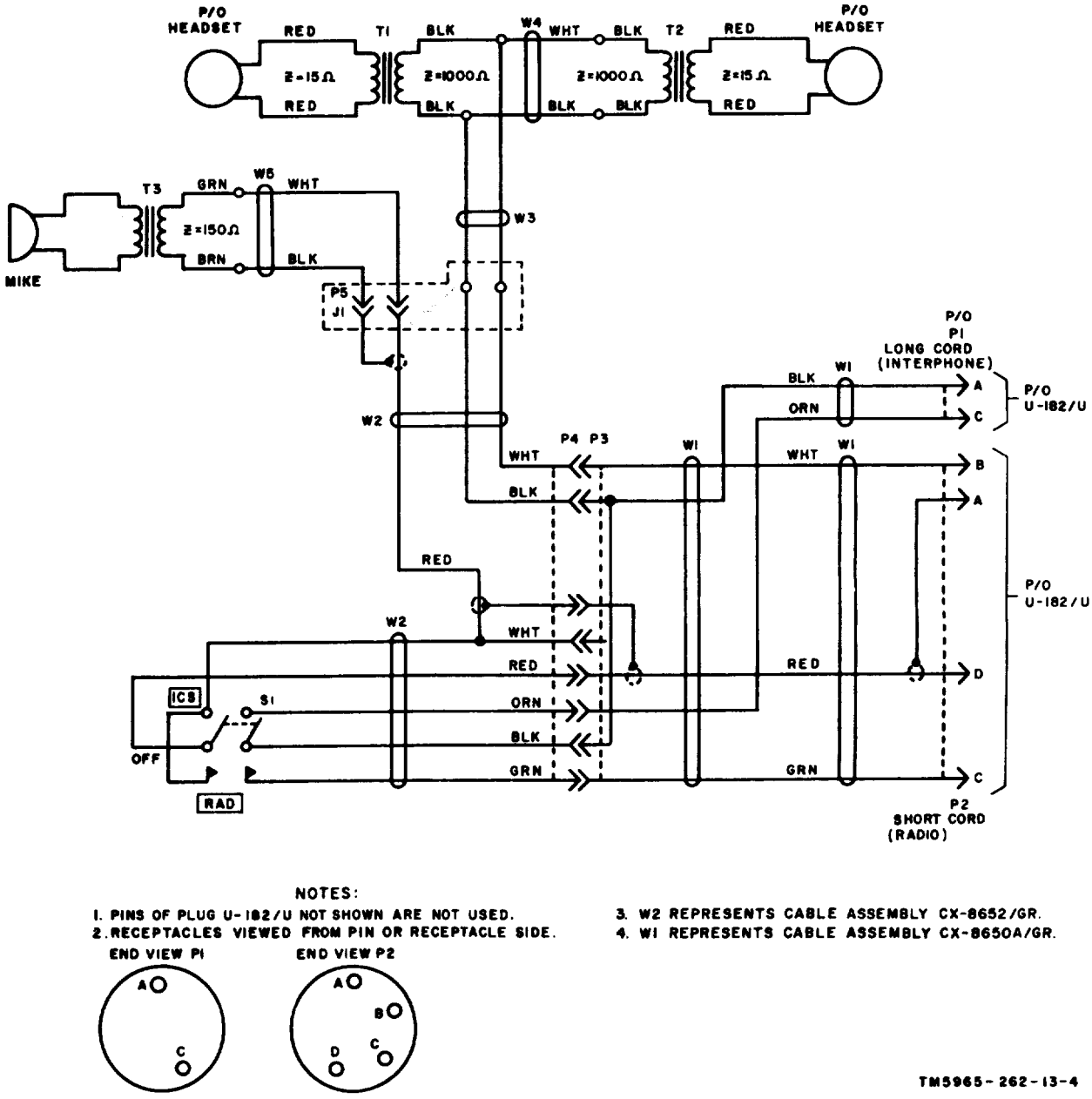
Figure 5-1. Headset-Microphone H-161/U, wiring diagram.



NOTES:

1. PINS OF PLUG U-182/U NOT SHOWN ARE NOT USED.
2. RECEPTACLES VIEWED FROM PIN OR RECEPTACLE SIDE.
3. W2 REPRESENTS CABLE ASSEMBLY CX-8652/GR.
4. W1 REPRESENTS CABLE ASSEMBLY CX-8650A/GR.

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Figure 5-2. Headset-Microphone H-161A/U, wiring diagram.

APPENDIX I

REFERENCES

Following is a list of applicable references available to the operator and maintenance personnel of Headset-Microphones H-161/U and H-161A/U.

DA Pam 310-4	Index of Technical Manuals, Technical Bulletins, Supply Manuals (Types 7, 8, and 9), Supply Bulletins, Lubrication Orders, and Modification Work Orders.
TB SIG 355-3	Depot Inspection Standard for Moisture and Fungus Resistant Treatment.
TB SIG 364	Field Instructions for Painting and Preserving Electronics Command Equipment.
TM 9-213	Painting Instructions for Field Use.
TM 11-5527	Multimeters TS-352/U, TS-352A/U, and TS-352B/U.
TM 38-750	Army Equipment Record Procedures.

APPENDIX III

MAINTENANCE ALLOCATION

Section I. INTRODUCTION

A3-1. General

a. This appendix assigns maintenance functions to be performed on components, assemblies, and subassemblies by the lowest appropriate maintenance category.

b. Columns in the maintenance allocation chart are as follows:

(1) *Part or Component.* This column shows only the nomenclature or standard item name. Additional descriptive data are included only where clarification is necessary to identify the component. Components, assemblies, and subassemblies are listed in top-down order. That is, the assemblies which are part of a component are listed immediately below that component, and subassemblies which are part of an assembly are listed immediately below that assembly. Each generation breakdown (components, assemblies, or subassemblies) are listed in disassembly order or alphabetical order.

(2) *Maintenance function.* This column indicates the various maintenance functions allocated to the categories.

(a) Service. To clean, to preserve, and to replenish lubricants.

(b) Adjust. To regulate periodically to prevent malfunction.

(c) Inspect. To verify serviceability and detect incipient electrical or mechanical failure by scrutiny.

(d) Test. To verify serviceability and to detect incipient electrical or mechanical failure by use of special equipment such as gages, meters, and other test devices.

(e) Replace. To substitute serviceable components, assemblies, subassemblies, for unserviceable components, assemblies or subassemblies.

(f) Repair. To restore an item to serviceable condition through correction of a specific failure or unserviceable condition. This function includes but is not limited to welding, grinding, riveting, straightening, and replacement of parts other than the trial and error replacement of running spare type items such fuses, lamps, or electron tubes.

(g) Align. To adjust two or more components of an electrical system so that their functions are properly synchronized.

(h) Calibrate. To determine, check, or rectify the graduation of an instrument, weapon, or weapons system, or components of a weapons system.

(i) Overhaul. To restore an item to *completely serviceable* condition as prescribed by serviceability standards. This is accomplished through employment of the technique of "inspect and repair only as necessary" (IROAN). Maximum utilization of diagnostic and test equipment is combined with minimum disassembly of the item during the overhaul process.

(j) Rebuild. To restore an item to a standard as near as possible to original or new condition in appearance, performance, and life expectancy. This is accomplished through the maintenance technique of complete disassembly of the item, inspection of all parts or components, repair or replacement of worn or unserviceable elements using original manufacturing tolerances and/or specifications and subsequent reassembly of the item.

(3) *Operator, organization, direct support, general support and depot.* The symbol X indicates the categories responsible for performing that particular maintenance operation, but does not necessarily indicate that repair parts will be stocked at

that level. Categories higher than those marked by X are authorized to perform the indicated operation.

(4) *Tools required.* This column indicates codes assigned to each individual tool equipment, test equipment, and maintenance equipment referenced. The grouping of codes in this column of the maintenance allocation chart indicates the tool, test, and maintenance equipment required to perform the maintenance function.

(5) *Remarks.* Entries in this column will be utilized when necessary to clarify any of the data cited in the preceding columns.

c. Columns in the allocation of tools for maintenance functions are as follows:

(1) *Tools required for maintenance functions.* This column lists tools, test, and maintenance equipment required to perform the maintenance functions.

(2) *Operator, organization, direct support, general support, and depot.* The dagger (†) symbol indicates the categories normally allocated the facility.

(3) *Tool code.* This column lists the tool code assigned.

A3-2. Maintenance by Using Organizations

When this equipment is used by signal services organizations organic to theater headquarters or communication zones to provide theater communications, those maintenance functions allocated up to and including general support are authorized to the organization operating this equipment.

SECTION II. MAINTENANCE ALLOCATION CHART

PART OR COMPONENT	MAINTENANCE FUNCTION	MAINTENANCE CATEGORY O/C	O	DS	GS	D	TOOLS REQUIRED	REMARKS
HEADSET-MICROPHONE H-161/U, H-161A/U	service	X						
	inspect	X						
	test			X			1	Continuity
	repair		X					Replace cushion earphone, retractile cable, strap
				X			2	All repairs

SECTION III. ALLOCATION OF TOOLS FOR MAINTENANCE FUNCTIONS

TOOLS REQUIRED FOR MAINTENANCE FUNCTIONS	MAINTENANCE CATEGORY					TOOL CODE	REMARKS
	O/C	O	DS	GS	D		
H-161/U, H-161A/U (continued)							
MULTIMETER TS-352/U			/			1	
TOOL EQUIPMENT TK-87/U			/			2	

APPENDIX IV
ORGANIZATIONAL AND DIRECT SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST

SECTION I INTRODUCTION

A4-1. Scope

This appendix lists repair parts and special tools required for the performance of organizational and direct support maintenance of the H-161/U and H-161A/U. The PCCN for the equipment is GCWAQA for all models. This appendix is current as of December 1974.

A4-2. 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 List -Section III. A list of repair parts authorized for the performance of maintenance at the organizational level. This repair parts list is arranged in alphabetical order.

c. Special Tools, Test and Support Equipment - Section IV. Not applicable.

d. Repair Parts List -Section V. A list of repair parts authorized for the performance of maintenance at the direct support level.

e. Special Tools, Test and Support Equipment - Section VI. Not applicable.

f. Index — Federal Stock Number and Reference Number Cross-Reference to Figure and Item Number — Section VII. A list, in ascending numerical sequence, of all Federal stock numbers appearing in the listings, followed by a list, in alphanumeric sequence, of all reference numbers appearing in the listings. Federal stock number and reference numbers are cross-referenced to each illustration figure and item number or reference designation appearance.

A4-3. Explanation of Columns

The following provides an explanation of columns found in the tabular list.

a. Source, Maintenance, and Recoverability Codes (SMR).

(1) *Source code.* Indicates the manner of acquiring support items for maintenance, repair, or overhaul of end items. Source codes are —

Code	*Definition*
PA	— Item procured and stocked for anticipated or known usage.
PB	— Item procured and stocked for insurance purposes because essentiality dictates that a minimum quantity be available in the supply systems.
PC	— Item procured and stocked and which otherwise would be coded PA except that it is deteriorative in nature.
PD	— Support item, excluding support equipment, procured for initial issue or outfitting and stocked only for subsequent or additional initial issues or outfitting. Not subject to automatic replenishment.
PE	— Support equipment procured and stocked for initial issue or outfitting to specified maintenance repair activities.
PF	— Support equipment which will not be stocked but which will be centrally procured on demand.
PG	— Item procured and stocked to provide for sustained support for the life of the equipment. It is applied to an item peculiar to the equipment which because of probable discontinuance or shutdown of production facilities would prove uneconomical to reproduce at a later time.
KD	— An item of depot overhaul/repair kit and not purchased separately. Depot kit defined as a kit that provides items required at the time of overhaul or repair.
KF	— An item of a maintenance kit and not purchased separately. Maintenance kit

Code *Definition*

defined as a kit that provides an item that can be replaced at organizational or TM 11-5965-262-13 direct support or general support levels of maintenance.

KB — Item included in both a depot overhaul/repair kit and a maintenance kit.

MO — Item to be manufactured or fabricated at organizational level.

MF — Item to be manufactured or fabricated at direct support maintenance level.

MH — Item to be manufactured or fabricated at general support maintenance level.

MD — Item to be manufactured or fabricated at depot maintenance level.

AO — Item to be assembled at organizational level.

AF — Item to be assembled at direct support maintenance level.

AH — Item to be assembled at general support maintenance level.

AD — Item to be assembled at depot maintenance level.

XA — Item is not procured or stocked because the requirements for the item will result in the replacement of the next higher assembly.

XB — Item is not procured or stocked. If not available through salvage, requisition.

XC — Installation drawing, diagram instruction sheet, field service drawing, that is identified by manufacturers' part number.

XD — Support items can be requisitioned with justification.

NOTE

Cannibalization or salvage may be used as a source of supply for any items source coded above except those coded XA and aircraft support items as restricted by AR 700-42.

(2) *Maintenance code.* Maintenance codes are assigned to indicate the levels of maintenance authorized to USE and REPAIR support items. The maintenance codes are entered in the third and fourth positions of the Uniform SMR Code Format as follows —

(a) Use (third position). The maintenance code entered in the third position indicates the lowest maintenance level authorized to remove, replace, and use the support item. The maintenance code entered in the third position indicates one of the following levels of maintenance.

Code *Application/Explanation*

O— Support item is removed, replaced, used at the organizational level.

NOTE

A code "C" maybe used in this position to denote crew or operator maintenance performed within organizational maintenance.

F — Support item is removed, replaced, used at the direct support level.

H — Support item is removed, replaced, used at the general support maintenance.

D — Support items that are removed, replaced, used at depot only.

(b) Repair (fourth position). The maintenance code entered in the fourth position indicates whether the item is to be repaired and identifies the lowest maintenance level with the capability to perform complete repair (i.e., all authorized maintenance functions). When a maintenance code is not used a dash (-) sign is entered. For multi-service equipment/systems or when a code is entered, this position will contain one of the following maintenance codes as assigned by the service(s) that require the code —

Code *Application/Explanation*

O— The lowest maintenance level capable of complete repair of the support item is the organizational level.

F — The lowest maintenance level capable of complete repair of the support item is direct support.

H— The lowest maintenance level capable of complete repair of the support item is general support.

D— The lowest maintenance level capable of complete repair of the support item is the depot level.

L — Repair restricted to designated Specialized Repair Activity.

Z — Non-repairable. No repair is authorized.

B — No repair is authorized. The item may be reconditioned by adjusting, lubricating, etc., at the user level. No parts or special

tools are procured for the maintenance of this item.

(3) *Recoverability code.* Recoverability codes are assigned to support items to indicate the disposition action on unserviceable items. The recoverability code is entered in the fifth position of the uniform SMR Code Format as follows —

Code	*Explanation*
Z —	Nonrepairable item. When unserviceable, condemn and dispose at the level indicated in the first digit of the maintenance code.
O –	Repairable item. When uneconomically repairable, condemn and dispose at organizational level.
F —	Repairable item. When uneconomically repairable, condemn and dispose at the direct support level.
H —	Repairable item. When uneconomically repairable, condemn and dispose at the general support level.
D —	Repairable item. When beyond lower level repair capability, return to depot. Condemnation and disposal not authorized below depot level.
L —	Repairable item. Repair, condemnation and disposal not authorized below Depot/Specialized Repair Activity level.
A —	Item requires special handling or condemnation procedures because of specific reasons (i.e., precious metal content, high dollar value, critical material or hazardous material).

b. Federal Stock Number. Indicates the Federal stock number assigned to the item.

NOTE

For requisitioning purposes, the Federal stock number must be converted to the National stock number by adding "-00-" after the Federal stock classification (FSC) code (first four digits). For example, FSN 6625-553-0142 converts to NSN 6625-00-553-0142.

c. Description. Indicates the Federal item name and a minimum description required to identify the item. The last line indicates the reference number followed by the applicable Federal Supply Code for Manufacturer (FSCM) in parentheses. The FSCM is used as an element in item identification to designate manufacturer or distributor or Government agency, etc., and is identified in SB 708-42.

d. Unit of Measure (U/M). Indicates the standard or basic quantity by which the listed item is used in performing the actual maintenance function. This measure is expressed by a two-character alphabetical abbreviation; e.g., ea, in, pr, etc., and is the basis used to indicate quantities and allowances in subsequent columns. When the unit of measure differs from the unit of issue, the lowest unit of issue that will satisfy the required units of measure will be requisitioned.

e. Quantity Incorporated in Unit. This column indicates the quantity of the item used in the equipment.

f. 15-Day Organizational Maintenance Allowantes.

(1) The repair parts indicated by an asterisk in the allowance column represent those authorized for use at the organizational category, and will be requisitioned on an "as required" basis, until stockage is based on demand in accordance with AR 710-2.

(2) Major Army commanders are authorized to approve reduction in the range of support items authorized for use in units within their commands. Recommendations for increase in range of items authorized for use will be forwarded to Commander, US Army Electronics Command, ATTN: AMSEL-MA-CW, Fort Monmouth, NJ., 07703.

(3) Allowance quantities are indicated in the special tools list section for special tools, TMDE, and other support equipment.

g. 30-Day DS/GS Maintenance Allowances.

(1) The repair parts indicated by asterisk entries in separate allowance columns for DS represent those authorized for use at that category of maintenance to be requisitioned on an "as required" basis, until stockage is based on demand in accordance with AR 710-2.

(2) Allowance quantities are indicated in the special tool lists section for special tools, TMDE, and other support equipment.

h. 1-Year Allowances Per 100 Equipments/ Contingency Planning Purposes. Column intentionally left blank.

i. Depot Maintenance Allowance Per 100 Equipments. Not applicable.

j. Illustration.

(1) *Figure number.* Indicates the figure number of the illustration on which the item is shown.

(2) *Item number.* Not applicable.

A4-4. Special Information

Usable on codes are included in column 3. Uncoded items are applicable to all models. Identification of the usable on codes used in this publication are —

Code	*Used on*
B6K	H-161/U
B6P	H-161A/U

A4-5. Location of Repair Parts

a. This manual contains one cross-reference index (sec VII) to be used to locate a repair part when either the Federal stock number or reference number (manufacturer's part number) is known. The first column in the index is prepared in numerical or alphanumeric sequence in ascending order. The reference numbers (manufacturer's part numbers) are listed immediately following the last listed Federal stock number in the index of Federal stock numbers.

b. When the Federal stock number or reference number is known, follow the procedures given in (1) and (2) below.

(1) Refer to the index of Federal stock numbers (sec VII), and locate the Federal stock number or reference number. The FSN and reference number are cross-referenced to the applicable figure and item number or reference designation.

(2) Refer to the repair parts list (sec III and V) and locate the figure number (col 7a — 20P, 10a — 34P) and item number or reference designation (col 7b — 20P, 10b — 34P) as noted in the FSN index.

c. When the figure and item number or reference designation are known, scrutinize columns 7a and 7b — 20P and 10a and 10b — 34P, of the repair parts list (sec III and V) until the item is located.

d. When the FSN, reference number, figure number, and item number are not known, scrutinize column 3 of the repair parts list (sec III and V), which is arranged in alphabetical order.

A4-6. Abbreviations

Not applicable.

(Next printed page is A4-6)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE — USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY. INC IN UNIT	(6) 15-DAY ORGANIZATIONAL MAINTENANCE ALW (a) 1-5	(b) 6-20	(c) 21-50	(d) 51-100	(7) ILLUSTRATION (a) FIGURE NO.	(b) ITEM NO.
XDOZZ		MICROPHONE AND BOOM ASSEMBLY NO-REF-DESIG..... DYNAMIC MIC 150 OHMS NOM IMPED; 24 OHMS RESIST; DC SMC436310 (80063)	EA	1	*	*	*	*	11-1	
XDOZZ		CABLE ASSEMBLY, SPECIAL PURPOSE,ELECTRICAL,..... BRANCHED NO-REF-DESIG RUBBER, 61 IN LG, RETRACTILE; CX-8650/GR SMD436133 (80063) B6K	EA	1	*	*	*	*	1-1	
XDOZZ		CABLE ASSEMBLY, SPECIAL PURPOSE,ELECTRICAL,..... BRANCHED NO-REF-DESIG RUBBER, 61 IN LG, RETRACTILE; CX-8650A/GR SMB108398 (80063) B6P	EA	1	*	*	*	*	1-2	
XDOZZ		PACKING, PREFORMED NO-REF-DESIG (P/O U-182/U). SMC436332 (80063)	EA	2	*	*	*	*	11-1	
PAOZZ	5965-086-6720	STRAP ASSEMBLY NO-REF-DESIG WEBB TYPE 3/4 IN.. WD X 34 IN LG SMC436181 (80063) B6K	EA	1	*	*	*	*	1-1	
PAOZZ	5965-086-6720	STRAP ASSEMBLY NO-REF-DESIG WEBB TYPE 3/4 IN.. WD X 34 IN LG SMC436181 (80063) B6P	EA	1	*	*	*	*	1-2	
PAOZZ	5340-759-7433	STRAP ASSEMBLY NO-REF-DESIG..... SMC168558 (80063) B6P	EA	1	*	*	*	*	1-2	
PCOZZ	5965-815-2525	CUSHION, EARPHONE NO-REF-DESIG POLY FOAM..... RUBBER; 4-1/2 IN LG X 3-1/2 IN WD X 0.524 THK O/A 436222 (80063) B6K	EA	2	*	*	*	*	1-1	
PCOZZ	5965-815-2525	CUSHION, EARPHONE NO-REF-DESIG POLY FOAM..... RUBBER; 4-1/2 IN LG X 3-1/2 IN WD X 0.524 THK O/A 436222 (80063) B6P	EA	2	*	*	*	*	1-2	

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR. CODE USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-DAY GS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-YR ALW PER 100 EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATION (a) FIGURE NO.	(b) ITEM NO.
XACZZ		WASHER, LOCK NO-REF-DESIG SMD168567-1 (80063)		4										
XACZZ		CORD ASSEMBLY NO-REF-DESIG SMB436226 (80063)		1										
XDOZZ		MICROPHONE AND BOOM ASSEMBLY NO-REF-DESIG DYNAMIC MIC 150 OHMS NOM IMPED; 24 OHMS RESIST; DC SMC436310 (80063)	EA	1	*	*	*						11-1	
XACZZ		NUT, SELF-LOCKING NO-REF-DESIG SMC436310-1 (80063)		1										
XACZZ		CORD ASSEMBLY, ELECTRICAL NO-REF-DESIG SMB436311 (80063)		1										
PAFZZ	5935-222-7831	CONNECTOR, PLUG, ELECTRICAL NO-REF-DESIG MJ055 (81349) B6K	EA	1	*	*	*						1-1	
PAFZZ	5935-222-7831	CONNECTOR, PLUG, ELECTRICAL NO-REF-DESIG MJ055 (81349) B6P	EA	1	*	*	*						1-2	
XACZZ		BOOM SUBASSEMBLY NO-REF-DESIG SMB436122 (80063)		1										
XACZZ		CAP ASSEMBLY NO-REF-DESIG SMC436123 (80063)		1										
XACZZ		GASKET, COVER NO-REF-DESIG SMB436141 (80063)		1										
XACZZ		GASKET NO-REF-DESIG SMB436134 (80063)		1										
XACZZ		NUT, TUBULAR NO-REF-DESIG SMB436169 (80063)		1										
XACZZ		BOOM, WIRE NO-REF-DESIG SMB436172 (80063)		1										
XACZZ		CLAMP, BALL JOINT NO-REF-DESIG SMB436174 (80063)		2										
XACZZ		MICROPHONE ASSEMBLY NO-REF-DESIG SMC436270 (80063)		1										
XACZZ		SETSCREW NO-REF-DESIG SMB436351 (80063)		2										
XACZZ		SCREW, MACHINE NO-REF-DESIG AN500C4-5 (88044)		4										
XACZZ		WASHER, FLAT NO-REF-DESIG MS15795-304 (96906)		1										
XACZZ		SCREW, MACHINE NO-REF-DESIG AN500B2-7 (88044)		4										
XDOZZ		CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, BRANCHED NO-REF-DESIG RUBBER, 61 IN LG, RETRACTILE; CX-8650/GR SMD436133 (80063) B6K	EA	1	*	*	*						1-1	
XDOZZ		CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, BRANCHED NO-REF-DESIG RUBBER, 61 IN LG, RETRACTILE; CX-8650A/GR SMB108398 (80063) B6P	EA	1	*	*	*						1-2	
XDFZZ		CONNECTOR, PLUG, ELECTRICAL U-182/U NO-REF-DESIG SCDL436340 (80063) B6K	EA	2	*	*	*						1-1	
XDFZZ		CONNECTOR, PLUG, ELECTRICAL U-182/U NO- CONTINUED	EA	2	*	*	*						1-2	

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR. CODE USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-DAY GS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-YR ALW PER 100 EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATION (a) FIGURE NO.	(b) ITEM NO.
		CONTINUED												
		REF-DESIG												
		SCDL436340 (80063) B6P												
XDDZZ		PACKING, PREFORMED NO-REF-DESIG (P/O U-182/U)	EA	2	*	*	*						11-1	
		SMC436332 (80063)												
XACZZ		CHEST, SWITCH ASSEMBLY NO-REF-DESIG		1										
		SMD168564 (80063) B6P												
XACZZ		WASHER, FLAT NO-REF-DESIG		2										
		SMD168564-1 (80063)												
XACZZ		BUSHING, SEAL NO-REF-DESIG		1										
		SMD168564 (80063) B6P												
XACZZ		GASKET NO-REF-DESIG		1										
		SMB436143 (80063)												
XDFZZ		CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, BRANCHED NO-REF-DESIG CX-8652/GR	EA	1	*	*	*						1-1	
		SMD436140 (80063) B6K												
XDFZZ		CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL, BRANCHED NO-REF-DESIG CX-8652/GR	EA	1	*	*	*						1-2	
		SMD436140 (80063) B6P												
XACZZ		COVER, HOUSING NO-REF-DESIG		1										
		SMC168560 (80063) B6P												
XACZZ		HOUSING SUBASSEMBLY NO-REF-DESIG		1										
		SMD168561 (80063) B6P												
XACZZ		CAP, HOUSING NO-REF-DESIG		1										
		SMC436187 (80063) B6K												
XACZZ		JUMPER ASSEMBLY NO-REF-DESIG		1										
		SMB436188 (80063)												
XACZZ		PLATE, DESIGNATION NO-REF-DESIG		1										
		SMB436189 (80063) B6K												
XACZZ		GASKET, COVER NO-REF-DESIG		1										
		SMB168563 (80063) B6P												
XACZZ		PACKING NUT NO-REF-DESIG		1										
		SMB168555 (80063) B6P												
XACZZ		PACKING, PREFORMED NO-REF-DESIG		1										
		SMB168553 (80063) B6P												
XACZZ		RETAINER, PACKING NO-REF-DESIG		1										
		SMB168554 (80063)												
XACZZ		CLIP, CLOTHING NO-REF-DESIG		1									1-1	
		SMB436240 (80063) B6K												
PAOZZ	5965-086-6720	STRAP ASSEMBLY NO-REF-DESIG WEBB TYPE 3/4 IN WD X 34 IN LG	EA	1	*	*	*						1-1	
		SMC436181 (80063) B6K												
PAOZZ	5965-086-6720	STRAP ASSEMBLY NO-REF-DESIG WEBB TYPE 3/4 IN WD X 34 IN LG	EA	1	*	*	*						1-2	
		SMC436181 (80063) B6P												
PAFZZ	5930-615-7897	SWITCH, TOGGLE NO-REF-DESIG MS35059-31 (96906)	EA	1	*	*	*						11-1	
XACZZ		SCREW, TAPPING NO-REF-DESIG		4										
		SMD168564-3 (80063) B6P												

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR. CODE USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-DAY GS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-YR ALW PER 100 EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATION (a) FIGURE NO.	(b) ITEM NO.
XACZZ		SCREW, MACHINE NO-REF-DESIG..... MS35250-73 (96906)		6										
XACZZ		PROTECTOR, ELECTRICAL CABLE NO-REF-DESIG. SMB168557 (80063) B6P		1										
XACZZ		EXTENSION, TOGGLE LEVER NO-REF-DESIG..... MSZ5246-1 (96906) B6K		1										
PAOZZ	5340-759-7433	STRAP ASSEMBLY NO-REF-DESIG..... SMC168558 (80063) B6P	EA	1	*	*	*						1-2	
XACZZ		BOOM, SUPPORT ASSEMBLY NO-REF-DESIG..... SMC436139 (80063)		1										
XACZZ		RING, RETAINING NO-REF-DESIG..... SMC436139-1 (80063)		2										
XACZZ		SCREW, MACHINE NO-REF-DESIG..... MS35233-40 (80063)		2										
XACZZ		NUT NO-REF-DESIG..... SMB436157 (80063)		2										
XACZZ		NUT NO-REF-DESIG..... SMB436158 (80063)		1										
XACZZ		WASHER, SPLIT NO-REF-DESIG..... SMB436159 (80063)		1										
XACZZ		STUD, BOOM NO-REF-DESIG..... SMB43617 (80063)		1										
XACZZ		BRACKET, BOOM SUPPORT NO-REF-DESIG..... SMC436171 (80063)		1										
XACZZ		SCREW, CAPTIVE NO-REF-DESIG..... SMB436173 (80063)		2										
XACZZ		WASHER, LOCK NO-REF-DESIG..... MS35333-72 (96906)		1										
XACZZ		WASHER, LOCK NO-REF-DESIG..... MS3535-58 (96906)		2										
XACZZ		WASHER NO-REF-DESIG..... SMB436142 (80063)		1										
XACZZ		EARPHONE, CUP ASSEMBLY NO-REF-DESIG..... SMD436220 (80063)		2										
XACZZ		SCREW, MACHINE NO-REF-DESIG..... MS35229-1 (96906)		4										
XACZZ		SCREW, TAPPING NO-REF-DESIG..... SMD436220-1 (80063)		8										
XACZZ		COVER, EARPHONE CUP NO-REF-DESIG..... SMB436271 (80063)		2										
PCOZZ	5965-815-2525	CUSHION, EARPHONE NO-REF-DESIG POLY FOAM RUBBER: 4-1/2 IN LG X 3-1/2 IN WD X 0.524 THK O/A 436222 (80063) B6K	EA	2	*	*	*						1-1	
PCOZZ	5965-815-2525	CUSHION, EARPHONE NO-REF-DESIG POLY FOAM RUBBER: 4-1/2 IN LG X 3-1/2 IN WD X 0.524 THK O/A 436222 (80063) B6P	EA	2	*	*	*						1-2	
XACZZ		RETAINER NO-REF-DESIG..... SMD436225 (80063)		2										
XACZZ		TRANSFORMER ASSEMBLY NO-REF-DESIG..... SMC436252 (80063)		2										

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR. CODE USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 30-DAY DS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(7) 30-DAY GS MAINT ALLOWANCE (a) 1-20	(b) 21-50	(c) 51-100	(8) 1-YR ALW PER 100 EQUIP CNTGCY	(9) DEPOT MAINT ALW PER 100 EQUIP	(10) ILLUSTRATION (a) FIGURE NO.	(b) ITEM NO.
XACZZ		EARPHONE ASSEMBLY NO-REF-DESIG..... SMC436316 (80063) B6K		2									1-1	
XACZZ		EARPHONE ASSEMBLY NO-REF-DESIG..... SMC436316 (80063) B6P		2									1-2	
XACZZ		RING, RETAINING NO-REF-DESIG..... SMC436228 (80063)		1										
XACZZ		CUP, EARPHONE NO-REF-DESIG..... SMB436224 (80063)		1										
XACZZ		RETAINER, PIVOT NO-REF-DESIG..... SMB436394 (80063)		4										
XACZZ		COVER, ACCESS NO-REF-DESIG..... SMB436227 (80063)		2										
XACZZ		HEADBAND, HEADSET NO-REF-DESIG..... SMB436228 (80063)		1										
XACZZ		COVER, HEADBAND NO-REF-DESIG..... SMB436229 (80063) B6K		1									1-1	
XACZZ		COVER, HEADBAND NO-REF-DESIG..... SMB436229 (80063) B6P		1									1-2	
XACZZ		HEADBAND SUBASSEMBLY NO-REF-DESIG..... SMC436230 (80063)		1										
XACZZ		YOKE ASSEMBLY NO-REF-DESIG..... SMC436232 (80063)		2										
XACZZ		SPRING, TENSION NO-REF-DESIG..... SMC436239 (80063)		2										
XACZZ		SCREW, MACHINE NO-REF-DESIG..... MS35229-1 (96906)		4										
XACZZ		SCREW, MACHINE NO-REF-DESIG..... MS35229-5 (96906)		2										

INDEX - FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS-REFERENCE TO FIGURE AND ITEM NUMBER

STOCK NUMBER	FIGURE NO.	ITEM NO.
5340-759-7433	1-2	
5930-615-7897	11-1	
5935-222-7831	1-1	
5935-222-7831	1-2	
5965-086-6720	1-1	
5965-086-6720	1-2	
5965-815-2525	1-1	
5965-815-2525	1-2	

REFERENCE NO.	MFR CODE	FIG. NO.	ITEM NO.
AN50082-7	88044		
AN500C4-5	88044		
JJ055	81349	1-1	
JJ055	81349	1-2	
MSZ5246-1	96906		
MS15795-304	96906		
MS35059-31	96906	11-1	
MS35229-1	96906		
MS35229-5	96906		
MS35233-40	80063		
MS35250-73	96906		
MS35333-72	96906		
MS3535-58	96906		
SCDL436340	80063	1-1	
SCDL436340	80063	1-2	
SMB108398	80063	1-2	
SMB168553	80063		
SMB168554	80063		
SMB168555	80063		
SMB168557	80063		
SMB168563	80063		
SMB436122	80063		
SMB436134	80063		
SMB436141	80063		
SMB436142	80063		
SMB436143	80063		
SMB436157	80063		
SMB436158	80063		
SMB436159	80063		
SMB436169	80063		
SMB43617	80063		
SMB436172	80063		
SMB436173	80063		
SMB436174	80063		
SMB436188	80063		
SMB436189	80063		
SMB436224	80063		
SMB436226	80063		
SMB436227	80063		
SMB436228	80063		
SMB436229	80063	1-1	
SMB436229	80063	1-2	
SMB436240	80063	1-1	
SMB436271	80063		
SMB436311	80063		
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SMB436394	80063		
SMC168558	80063	1-2	
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SMC436316	80063	1-1	
SMC436316	80063	1-2	
SMC436332	80063	11-1	
SMD168561	80063		
SMD168564	80063		
SMD168564-1	80063		
SMD168564-3	80063		
SMD168567-1	80063		
SMD436133	80063	1-1	
SMD436140	80063	1-1	
SMD436140	80063	1-2	
SMD436220	80063		
SMD436220-1	80063		
SMD436225	80063		
436222	80063	1-1	
436222	80063	1-2	

By Order of the Secretary of the Army:

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

Official:
J. C. LAMBERT,
Major General, United States Army,
The Adjutant General.

Distribution:

Active Army:

USASA (2)
CNGB (1)
CC-E (7)
Dir of Trans (1)
CofEngrs (1)
TSG (1)
CofSptS (1)
USAAESWBD (5)
USAIB (5)
USACDCEC (10)
USACDCEA (1)
USACDCCBRA (1)
USACDCCEA (1)
USACDCCEA (Ft Huachuca) (1)
USACDCOA (1)
USACDCQMA (1)
USACDCTA (1)
USACDCADA (1)
USACDCARMA (1)
USACDCAVNA (1)
USACDCARTYA (1)
USACDCSWA (1)
USAMC (5)
USCONARC (5)
ARADCOM (5)
ARADCOM rgn (2)
OS Maj Comd (4)
USAMERCC (5)
USAECOM (30)
LOGCOMD (2)
USAMICOM (4)
USAMC (2)
USASCC (4)
MDW (1)
Armies (2) except
7th USA (5)
EUSA (5)
Corps (2)
USAC (3)
11th Air Aslt Div (3)
507th USASA Gp (5)
508th USASA Gp (S)
318th USASA Bn (5)
319th USASA Bn (5)
320th USASA Bn (5)
177th USASA Co (5)
182nd USASA Co (5)
183rd USASA Co (5)
184th USASA Co (5)
Instl (2) except
Ft Monmouth (70)
Ft Hancock (4)
Ft Gordon (10)
Ft Huachuca (10)
WSMR (5)
Ft Carson (25)
Ft Knox (12)
Svc Colleges (2)
Br Svc Sch (2) except
USASESCS (40)
USATC Armor (2)
USAECFB (2)
USATC Inf (2)
USASTC (2)
Army Dep (2) except
LBAD (14)
SAAD (30)
TOAD (14)
FTWOAD (10)
LEAD (7)
SHAD (3)
NAAD (5)
SVAD (5)
CHAD (3)
ATAD (10)
ERAD (5)
Gen Dep (2)
Sig.Sec, Gen Dep (5)
Sig Dep (12)
WRAMC (1)
Army Pic Cen (2)
USAATC (5)
Sig FLDMS (2)
AMS (1)
USAERDAA (2)
USAERDAW (18)
USACRREL (2)
1st GM Bde (5)
USA Rsch Spt Gp (Ft Belvoir) (5)
DPG (5)
Units organized under the following TOE's—2 each:

1-7	5-156
1-37	5-157
1-55	5-214
1-75	5-225
1-76	5-226
1-77	5-227
1-78	5-348
1-107	5-500(AA-AD)
1-207	6-37
1-307	6-100
3-7	6-101
3-266	6-155
3-267	6-156
5-25	6-157
5-26	6-159
5-27	6-165
5-35	6-166
5-36	6-167
5-37	6-168
5-52	6-169
5-54	6-175
5-77	6-176
5-78	6-177
5-115	6-185
5-116	6-186
5-145	6-200
5-146	6-201
5-147	6-215
5-148	
5-155	

6-216
6-217
6-219
6-225
6-226
6-227
6-228
6–300
6–302
6-315
6-316
6-317
6-327
6-328
6-345
6–346
6-347
6-349
6–355
6–356
6-357
6–358
6-359
6-401
6-415
6-416
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6-419
6-425
6–426
6-427
6-435
6-436
6-437
6-439
6-445
6–500
6-501
6-525
6-545
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6-557
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6-575
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6-577
6-615
6-616
6-617
6-619
6–635
7
7–2
7-4
7-11
7-12
7-15
7-16
7-17
7-18
7-19
7-25
7-26
7-27
7-35
7-37
7-42
7-45
7-46
7-47
7–100
7-102
8-35
8-36
8-37
8-65
8-67
8-77
8-122
8-126
8-127
8-128
8-137
8-147
9-7
9-22
9-47
9-57
9-76
9-87
9-127
9-167
9-217
9-227
9-510
10-7
10-17
10-45
10-46
10-47
10-48
10-337
10-407
10-449
11-8
11-32
11-35
11-36
11-37
11-38
11-39
11-56
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11-58
11-67
11-68
11-85
11-86
11-87
11-95
11-96
11-97
11-98
11-117
11-137
11-155
11-157
11–158
11-215
11–216
11–217
11-218
11-337
11-500 (AA-AC)
11-587
11-592
11-597
12-37
12-157
17
17–4
17-15
17-17
17–27
17-32
17-35
17-36
17-37
17-42
17-51
17-52
17-55
17-56
17-57
17-66
17–75
17-76
17–77
17–78
17-100
17-102
17-105
17-106
17-107
17–108
19-27
19-35
19-37
19-67
19-217
19-500 (AA-AE)
29-1
29-2
29-5
29-6
29-11
29-15
29-16
29-17
29-21
29-25
29-26
26-27
29–35
29–36
29-37
29-45
29–46
29-51
29-52
29–55
29–56
29-57
29–65
29-75
29-307
29-407
29-701
30-5
30-6
30-17
30-18
30-25
31–105
32-52
32-56
32-57
32-67
32-68
32-77
32-78
32-500
33–500 (AA-AC)
37
37-4
37-42
37-100
37–102
39-51
44-2
44-12
44-235
44-236
44-237
55-12
55-16
55-17
55-18
55-27
55-28
55–46
55-47
55–56
55-57
55–58
55-87
55–88
55-89
55-97
55-99
55-128
55-138
55-139
55-140
55-458
55-500 (AA-AE)
57
57-4
57-42
57-100

NG: State AG (3) ; units-same as Active Army except allowance is one (1) copy each.
USAR: None.
For explanation of abbreviations used, see AR 320-50.

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