

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

OPERATOR AND ORGANIZATIONAL MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST AND MAINTENANCE
ALLOCATION CHART, HEADSET, ELECTRICAL H-43B/U

Headquarters, Department of the Army, Washington 25, D. C.

1 March 1961

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SECTION I
INTRODUCTION

1. Scope

a. This manual includes an operator's maintenance repair parts and special tools list and an organizational maintenance repair parts and special tools list.

- (1) The operator's maintenance repair parts and special tools list lists items supplied for initial operation.
- (2) The organizational maintenance repair parts and special tools list lists the repair parts authorized

for organizational maintenance and is a basis for requisitioning by organizations which are authorized the major Item of equipment. End items of equipments are issued on the basis of allowances prescribed in equipment authorization tables and other documents that are a basis for requisitioning.

- (3) The maintenance allocation chart assigns maintenance functions and repair operations to be performed

***This manual supersedes the first and second echelon portions of SIG 7 & 8 H—43/U, 28 August 1954.**

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

by the lowest appropriate maintenance echelon.

b. Columns are as follows:

- (1) *Source, maintenance, and recoverability code.* Not used.
- (2) *Federal stock number.* This column lists the 11-digit Federal stock number.
- (3) *Designation by model.* Not used.
- (4) *Description.* Nomenclature or the standard item name and brief identifying data for each item are listed in this column. When requisitioning, enter the nomenclature and description.
- (5) *Unit of issue.* The unit of issue is the supply term by which the individual item is counted for procurement, storage, requisitioning, allowances, and issue purposes.
- (6) *Expendability.* Expendable items are indicated by the letter X; non-expendable items are indicated by NX.
- (7) *Quantity authorized.* Under "Items Comprising an Operable Equipment", the column lists the quantity of items supplied for the initial operation of the equipment.
- (8) *Quantity incorporated in Unit.* This column list the quantity of each

part found in a given assembly, component, or equipment.

- (9) *Organizational.* See paragraph 3.
- (10) *Illustrations.* Not used.

2. Parts for Maintenance

When this equipment is used by signal service organizations organic to the theater headquarters or communication zones to provide theater communications, those repair parts authorized up to and including fourth echelon are authorized for stockage by the organization operating this equipment.

3. Repair Parts Authorization

Repair parts which may be required for performing organizational maintenance, but are not authorized for stockage in the prescribed load are identified by an asterisk (*) and are to be requisitioned as required, for immediate use only. Refer to AR 700-18.

4. Comments or Suggestions

Any comments concerning omissions and discrepancies in this manual will be prepared on DA Form 2028 and forwarded direct to Commanding Officer, U.S. Army Signal Materiel Support Agency, ATTN: SIGMS-ML, Fort Monmouth, N.J.

CHANGE

No. 1

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, DC, 23 April 1984

OPERATOR AND ORGANIZATIONAL MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST AND MAINTENANCE
ALLOCATION CHART, HEADSET, ELECTRICAL H-43B/U (5965-00-651-7372)

TM 11-5965-247-12P, 1 March 1961, is changed as follows:

Page 4, Section III.1 is added after **Section III.**

SECTION III.1

CROSS REFERENCE INDEX. The Cross-Reference Index is a cross-reference listing of part number to National Stock Number.

a. Use of Cross-Reference Index. To order a part listed in the Cross-Reference Index, note part number and then cross-reference that part number to the National Stock Number in the cross-reference index. Then order through normal ordering channels.

b. Ordering Part Numbers Without National Stock Number. If the part number does not have a National Stock Number, then order the part through normal ordering channels using the part number and the FSCM.

CROSS REFERENCE INDEX FORMAT

PARTS WITH AN FSN

FSN	NEW NSN	FSCM	PART NUMBER
59654396287	5965004396287	78711	24126
59658223284	5965008223284	78711	21324
5965006517372	NONE	80058	H-43B/U

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 12-51B,
operator's Maintenance requirements for H-43B/U.

SECTION II. FIRST ECHELON FUNCTIONAL PARTS LIST

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
SOURCE MAINTENANCE AND RECOVERABILITY CODE	FEDERAL STOCK NUMBER	DESIGNATION BY MODEL	DESCRIPTION	UNIT OF ISSUE	EXPENDABILITY	QUANTITY AUTHORIZED	FIGURE NO.	ITEM NO.
ITEMS COMPRISING AN OPERABLE EQUIPMENT								
	6965-238-0479		HEADSET, ELECTRICAL H-43B/U	EA	NX			
	ORD THRU AGC		HEADSET, ELECTRICAL H-43B/U: MAGNETIC TYPE:20,000OHMS NOM-IMPEDENCE, CONNECTED IN SERIES; SINGLE ADJ HEAD BAND; TELEPHONIES DWG NO. 20063 TECHNICAL MANUAL TM 11-5965-247-12P	EA	X	2		
RUNNING SPARES AND ACCESSORY ITEMS								
			HEADSET, ELECTRICAL H-43B/U					
NO PARTS AUTHORIZED FOR STOCKAGE AT FIRST ECHELON								

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
SOURCE MAINTENANCE AND RECOVERABILITY CODE	FEDERAL STOCK NUMBER	DESIGNATION BY MODEL	DESCRIPTION	UNIT OF ISSUE	EXPENDABILITY	QUANTITY INCORPORATED IN UNIT	ORGANI ZATIONAL 15 DAYS MAINTENANCE ALLOWANCE PER 100 EQUIPMENTS 2ND	ILLUSTRATIONS FIGURE NO.	ITEM NO.
			HEADSET, ELECTRICAL H-43B U						
	5935-238-0479		HEADSET, ELECTRICAL H-43B U	EA	NX				
	5965-439-6287		COVER, HEADBAND: TELEPHONICS DWG NO. 21126	EA	X	1	*		
	5965-822-3284		HEADBAND, HEADSET: TELEPHONICS DWG NO. 21324	EA	X	1	*		

SECTION IV.

MAINTENANCE ALLOCATION

5. General

a. This section assigns maintenance functions and repair operations to be performed by the lowest appropriate maintenance echelon.

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 part. Components and parts comprising a major end item are listed alphabetically. Assemblies and subassemblies are in alphabetical sequence with their components listed alphabetically immediately below the assembly listing.
- (2) *Maintenance function.* This column indicates the various maintenance functions allocated to the echelon capable of performing the operations.
 - (a) *Service.* To clean, to preserve, and to replenish fuel and lubricants .
 - (b) *Adjust.* To regulate periodically to prevent malfunctions.
 - (c) *Inspect.* To verify serviceability and to 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, etc.
 - (e) *Replace.* To substitute service assemblies, subassemblies, and parts for unserviceable components.
 - (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, inspecting, cleaning, preserving, adjusting, replacing, welding, riveting, and straightening.

- (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) *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.
 - (j) *Overhaul.* To restore an item to completely serviceable condition as prescribed by serviceability standards developed and published by heads of technical services. 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.
- (3) *1st, 2d, 3d, 4th, 5th echelon.* The symbol X indicates the echelon responsible for performing that particular maintenance operation, but does not necessarily indicate that repair parts will be stocked

at that level. Echelon higher than the echelon 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 the 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) *1st, 2d, 3d, 4th, 5th echelon.* The danger (†) symbol indicates the echelons allocated the facility.
- (3) *Tool code.* This column lists the tool code assigned.

6. 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 fourth echelon are authorized to the organization operating this equipment.

7. Mounting Hardware

The basic entries of the maintenance allocation chart do not include mounting hardware such as screws, nuts, bolts, washers, brackets, clamps, etc.

SECTION IV.

MAINTENANCE ALLOCATION

5. General

a. This section assigns maintenance functions and repair operations to be performed by the lowest appropriate maintenance echelon.

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 part. Components and parts comprising a major end item are listed alphabetically. Assemblies and subassemblies are in alphabetical sequence with their components listed alphabetically immediately below the assembly listing.
- (2) *Maintenance function.* This column indicates the various maintenance functions allocated to the echelon capable of performing the operations.
 - (a) *Service.* To clean, to preserve, and to replenish fuel and lubricants.
 - (b) *Adjust.* To regulate periodically to prevent malfunctions.
 - (c) *Inspect.* To verify serviceability and to 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, etc.
 - (e) *Replace.* To substitute service assemblies, subassemblies, and parts for unserviceable components.
 - (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, inspecting, cleaning, preserving, adjusting, replacing, welding, riveting, and straightening.

- (g) *Align.* To adjust two or more components of an electricals 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) *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.
 - (j) *Overhaul.* To restore an item to completely serviceable condition as prescribed by serviceability standards developed and published by heads of technical services. 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.
- (3) *1st, 2d, 3d, 4th, 5th echelon.* The symbol X indicates the echelon responsible for performing that particular maintenance operation, but does not necessarily indicate that repair parts will be stocked

at that level. Echelons higher than the echelon 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 the 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) *1st, 2d, 3d, 4th, 5th echelon.* The dagger (†) symbol indicates the echelons allocated the facility.
- (3) *Tool code.* This column lists the tool code assigned.

6. 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 fourth echelon are authorized to the organization operating this equipment.

7. Mounting Hardware

The basic entries of the maintenance allocation chart do not include mounting hardware such as screws, nuts, bolts, washers, brackets, clamps, etc.

SECTION V. MAINTENANCE ALLOCATION CHART

(1) PART OR COMPONENT	(2) MAINTENANCE FUNCTION	(3) 1ST ECH	(4) 2ND ECH	(5) 3RD ECH	(6) 4TH ECH	(7) 5TH ECH	(8) TOOLS REQUIRED	(9) REMARKS
HEADSET, ELECTRICAL H-438/U	service	X						
	inspect	X						
	test			X	X	X	1	Continuity Transmission measuring
	repair			X	X	X	1,2 1,2,3	
CORDS	replace			X			3	
HEADBAND	replace		X					
COVER, HEADBAND	replace		X					
RECEIVER, UNITS	replace			X			3	

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SECTION VI. ALLOCATION OF TOOLS FOR MAINTENANCE FUNCTIONS

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(1) TOOLS REQUIRED FOR MAINTENANCE FUNCTIONS	167	168	169	170	171	(2) REMARKS
	1ST FCH	2ND FCH	3RD FCH	4TH FCH	5TH FCH	TOOL CODE
H-438/U (continued)						
MULTIMETER AN/URM-105			+	+	+	1 If not available, use TS-297/U
TEST SET AN/PTM-6				+	+	2
TOOL EQUIPMENT TE-33			+	+	+	3

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NG: None.

USAR: None.

For explanation of abbreviations used, see AR 320-60.

