

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

OPERATOR AND ORGANIZATIONAL MAINTENANCE REPAIR PARTS AND
SPECIAL TOOL LISTS AND MAINTENANCE ALLOCATION CHART
MAST BASE MP-65, MP-65A, AND MP-65B

Headquarters, Department of the Army, Washington 25, D. C.
5 December 1961

	Paragraph	Page
SECTION I. INTRODUCTION		
Scope	1	1
Parts for maintenance	2	2
Comments or suggestions	3	2
II. FIRST ECHELON FUNCTIONAL PARTS LIST		3
III. SECOND ECHELON FUNCTIONAL PARTS LIST		4
IV. MAINTENANCE ALLOCATION		5
General	4	5
Columns	5	5
v. MAINTENANCE ALLOCATION CHART		7
VI. ALLOCATION OF TOOLS FOR MAINTENANCE FUNCTIONS		8

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. The list includes parts and material issued as part of the major end item. All items authorized for basic operator maintenance of the equipment are also listed.
- (2) The organizational maintenance repair parts and special tools list lists 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 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 1 1-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 each unless otherwise indicated and is the supply term by which the individual item is counted for procurement, storage, requisitioning, allowances, and issue purposes.
- (6) Expendability. Nonexpendable items are indicated by NX. Expendable items are not annotated.
- (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 lists the quantity of each part found in a given assembly, component, or equipment.

(9) organizational. An asterisk (*) indicates that an item is not authorized for stockage but if required, may be requisitioned for immediate use only.

(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. 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.

SECTION II FIRST ECHELON FUNCTIONAL PARTS LIST

(1) SOURCE MAINTENANCE AND RECOVERABILITY CODE	(2) FEDERAL STOCK NUMBER	(3) DESIGNATION BY MODEL	(4) DESCRIPTION	(5) UNIT OF ISSUE	(6) EXPENDABILITY	(7) QUANTITY AUTHORIZED	(8) FIGURE NO	(9) ITEM NO
	5820-221-5553		MAST BASE MP-65,MP-65A: FLEXIBLE LOW CAPACITANCE TYPY MAST BASE FOR VEHICULAR MTG OF MAST SECTION MS-116A; SIG DWG SC-D-12519		NX			
	5820-503-2953		MAST BASE MP-65B: FLEXIBLE LOW CAPACITANCE TYPE MAST BASE FOR VEHICULAR MTG OF MAST SECTION MS-116A; SIG DWG SC-D-20718		NX			
			ITEMS COMPRISING AN OPERABLE EQUIPMENT					
	ORD THRU AGC		TECHNICAL MANUAL TM 11-5820-479-12P			2		
			RUNNING SPARES AND ACCESSORY ITEMS					
			NO PARTS AUTHORIZED FOR STOCKAGE AT FIRST ECHELON					

SECTION III SECOND ECHELON FUNCTIONAL PARTS LIST

(1) SOURCE MAINTENANCE AND RECOVERABILITY CODE	(2) FEDERAL STOCK NUMBER	(3) DESIGNATION BY MODEL	(4) DESCRIPTION	(5) UNIT OF ISSUE	(6) EXPENDABILITY	(7) QUANTITY INCORPORATED IN UNIT	(8) ORGANI- ZATIONAL 15 DAYS MAINTENANCE ALLOWANCE PER 100 EQUIPMENTS 2ND	(9) ILLUSTRATIONS FIGURE NO	ITEM NO
			MAST BASE MP-65,MP-65A,B						
5820-221-5553			MAST BASE MP-65,MP-65A: FLEXIBLE LOW CAPACITANCE TYPE MUST BASE FOR VEHICULAR MTG OF MAST SECTION MS-116A; SIG DWG DWG SC-D-12519		NX				
5820-503-2953			MAST BASE MP-63B: FLEXIBLE LOW CAPACITANCE TYPE MUST BASE FOR VEHICULAR MTG OF MAST SECTION MS-116A; SIG DWG SC-D-20718		NX				
5820-264-9213			CAP, ELECTRICAL: RUBBER BODY; 1 IN 1G X 13/16 IN DIA; SIG DWG SC-D-20718-9			1	*		

SECTION IV

MAINTENANCE ALLOCATION

4. General

This section assigns maintenance functions to be performed on components, assemblies, and sub-assemblies by the lowest appropriate maintenance echelon.

5. Columns

a. 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 the subassemblies which are part of an assembly are listed immediately below that assembly. Each generation breakdown (components, assemblies, or subassemblies) is listed in disassembly order or alphabetical order.
- (2) Maintenance function. This column indicates the various maintenance functions allocated to the echelons.
 - (a) Service. To clean, to preserve, and to replenish lubricants.
 - (b) Adjust. To regulate periodically to prevent malfunction.
 - (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 serviceable components, assemblies, or subassemblies, for unserviceable components, assemblies, or subassemblies.
 - (f) Repair. To restore an item to serviceable condition through correction of a specific failure or unserviceable condi-

tion. 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 as 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 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.
 - (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) 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 this column will be utilized when necessary to clarify any of the data cited in the preceding columns.

b. 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 in these columns indicates the echelons normally allocated the facility.
- (3) Tool code. This column lists the tool code assigned.

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
MAST BASE MP-65, MP-65A, B	repair repair		X	X			1 2	Connector cap only

SECTION VI ALLOCATION OF TOOLS FOR MAINTENANCE FUNCTIONS

(1) TOOLS REQUIRED FOR MAINTENANCE FUNCTIONS	(2) 1ST ECH	(3) 2ND ECH	(4) 3RD ECH	(5) 4TH ECH	(6) 5TH ECH	(7) TOOL CODE	(8) REMARKS
MP-65, MP-65A, B (continued)							
TOOL KIT TK-115/G		+				1	
TOOL KIT TK-87/U			+			2	Replace to repair on this item goes no higher than 3rd ech

MP-65, MP-65A, B

By Order of Secretary of the Army:

G. H. DECKER,
General, United States Army,
Chief of Staff.

Official:

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

Distribution:

Active Army:

DASA (6)	OSA (1)
USASA (2)	USAEPG (2)
CNGB (1)	AFIP (1)
Tech Stf, DA (1) except	AMS (1)
CSigO (18)	Army Pictorial Cen (2)
Tech Sti Bd (1)	EMC (1)
USCONARC (5)	Yuma Test Sta (2)
USAARTYBD (1)	USACA (3)
USAARMBD (2)	USASSA (20)
USAIB (1)	USASSAMRO (1)
USARADB (2)	USASEA (1)
USAABELCTBD (1)	USA Caribbean Sig Agcy (1)
USAAVNBD (1)	USA Sig Msl Spt Agcy (13)
USAATBD (1)	Sig Fld Maint Shops (3)
ARADCOM (2)	USA Corps (3)
ARADCOM, Rgn (2)	JBUSMC (2)
OS Maj Cored (3)	AFSSC (1)
OS Base Cored (2)	Units org under fol TOE:
LOGCOMD (2)	(2 copies each UNOINDC)
MDW (1)	9-47 11-567
Armies (2)	9-87 11-592
corps (2)	9-227 11-597
Instl (2)	0-377 32-51
Fort Monmouth (63)	9-500 (AA-AC) 32-56
USATC AD (2)	9-510 (AA-AC) 32-57
USATC Armor (2)	11-5 44-435
USATC Engr (2)	11-7 44-436
USATC FA (2)	11-16 44-437
USATC Inf (2)	11-55 44-445
USAOMC (3)	11-57 44-446
Svc Colleges (2)	11-96 44-447
Br Svc Sch (2)	11-97 44448
GENDEP (2) except	11-98 44-535
Atlanta GENDEP (none)	11-117 44-536
Sig Sec, GENDEP (5)	11-155 44-537
Sig Dep (12)	11-157 44-544
WRAMC (1)	11-500 (AA-AE, 44-545
USA Trsns Tml Cored (1)	RM-RT) (4) 44-546
Army Tml (1)	11-555 44-547
POE (1)	11-557 44-548

NG: State AG (3); Units-Same as Active Army except allowance is one copy to each unit,

USAR: None.

For explanation of abbreviations used, see AR 320-50.

PIN: 018770-000