

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

FIELD AND DEPOT MAINTENANCE REPAIR PARTS
AND SPECIAL TOOL LISTS
MAST BASE MP-65, MP-65A, AND MP-65B

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

INTRODUCTION

1. Scope

a. This manual lists the quantities of repair parts for third, fourth, and fifth echelon field maintenance and is a basis for requisitioning authorized parts. It is also a guide for fifth echelon in establishing initial levels of spare parts.

b. Columns are as follows:

- (1) Source, *maintenance, and recoverability code*. Source, maintenance, and recoverability codes indicate the technical service responsible for supply, the echelons where an item is stocked, echelons where an item is installed or repaired, and whether an item is repairable or salvageable. The source code column is divided into four parts.

(*a*) *Column A*. This column indicates the technical service responsible for supply. AR 310-2 defines the basic numbers used to identify the technical services. If the part is supplied by the Signal Corps, the column is blank.

(*b*) *Column B*. This column indicates the point within the maintenance system where the part is available. "P" indicates that the repair part is a high mortality part; procured by technical services, stocked in and supplied from the technical service depot system, and authorized for use at indicated maintenance echelons.

* This manual supersedes Department of the Army Supply Manual SIG 7 & 8 MP-65; 7 February 1958, including C1, 14 June 1960.

(c) *Column C.* This column indicates the lowest maintenance echelon authorized to install the part.

“O”-Organizational maintenance (1st and 2d echelon).

“F”-Field maintenance (3d echelon).

(d) *Column D.* Not used.

- (2) *Federal stock number.* This column lists the 11-digit Federal stock number.
- (3) *Designation by model.* The dagger (†) indicates model in which the part is 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 incorporated in unit.* This column lists the quantity of each part found in a given assembly, component, or equipment.
- (8) *Field (third echelon).* This column indicates quantities of repair parts authorized for initial stockage for use in the third echelon maintenance and in supply support to second echelon. The quantities are based on 100 equipments to be maintained for a 15-day period.
- (9) *Field (fourth echelon).* The numbers in this column indicate quantities of repair parts authorized for initial stockage for use in fourth echelon maintenance. The quantities are based on 100 equipments to be maintained for a 15-day period.
- (10) *Depot (fifth echelon).* The numbers in this column indicate quantities of repair parts authorized for depot maintenance and for initial stockage for maintenance, and for supply support to lower echelons. The entries are based on the quantity required for rebuild of 100 equipments.

(11) *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. Requisitioning Information

a. The allowance factors are based on 100 equipments. In order to determine the number of parts authorized for initial stockage for the specific number of equipments supported, the following formula will be used and carried out to two decimal places.

Specific number of equipments supported

$$\times \frac{\text{allocation factor}}{100} = \text{Number of parts}$$

authorized for initial stockage.

b. Fractional values obtained from above computation will be rounded to whole numbers as follows:

- (1) When the total number of parts authorized is less than 0.5, the quantity authorized will be zero.
- (2) When the total number of parts authorized is between 0.5 and 1.0, the quantity authorized will be one.
- (3) For all values above one, fractional values below 0.5 will revert to the next lower whole number and fractional value 0.5 and above will advance to the next higher whole number.

c. The quantities determined in accordance with the above computation represent the initial stockage for a 15-day period.

4. References

A maintenance allocation chart showing all repair operations authorized to be performed by the respective echelons of maintenance is contained in TM 11-5820-479-12P.

5. 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 FUNCTIONAL PARTS LIST				(5)	(6)	(7)	(8)	(9)	-10	-11
(1)	(2)	(3)	(4)							
SOURCE MAINTENANCE AND RECOVERABILITY CODE	FEDERAL STOCK NUMBER	DESIGNATION BY MODEL	DESCRIPTION	UNIT OF ISSUE	EXPENDABILITY	QUANTITY INCORPORATED IN UNIT	FIELD 15 DAYS MAINTENANCE ALLOWANCE PER 100 EQUIPS 3RD	DEPOT QUANTITY REQUIRED FOR REBUILD OF 100 EQUIPS 5TH	ILLUSTRATI FIGURE NO	
A	B	C	D							
		1 2	MAST BASE MP-65A,B							
			NOTE: MODEL COLUMN 1 REFERS TO MP-65 AND MP-65A; COLUMN 2 REFERS TO MP-65B							
	5820-221-5553		MAST BASE MP-65,MP-65A: FLEXIBLE LOW CAPACITANCE TYPE MAST BASE FOR VEHICULAR MTG OF MAST SECTION MS-116A; SIG DWG SC-D-2519		NX					
	5820-503-2953		MAST BASE MP-65B: FLEXIBLE LOW CAPACITANCE TYPE MAST BASE FOR VEHICULAR MTG SECTION MS-116A; SIG DWG SC-D-20718		NX					
P	F	5840-771-8186	†	BOLT, CONNECTOR: 1 RD FEMALE CONT ONE END; MTG STUD 3/8 IN-16 X 2-11 IN LG; SIG DWG SC-D-12518 ITEM NO. 4,5,6,7, AND 10; SC-D-20719 ITEM NO. 6,12,13 AND 14		1	0.3	0.1		3
P	O	5820-264-9213	† †	CAP, ELECTRICAL: RUBBER BODY; 1 IN LG X 13/16 IN DIA; SIG DWG SC-D-20718-9		1	0.6	0.2		8
P	F	5340-396-3123	†	CLAMP, ELECTRICAL: CAD PL STEEL; 1 SCREW FASTENER 1-3/8 IN LG X 3/4 IN WD X 1-5/16 IN H; MAX DIA; USED AS PLUG; HENRY PROD NO. HP8003; SIG DWG SC-D-20719-10		1	0.2	0.1		10
P	F	5935-149-3981	†	CONNECTOR, PLUG, ELECTRICAL PL-259A:		1	0.3	0.1		10
P	F	5330-189-8907	† †	GASKET: INS SPACER; SINGLE HOLE; RD; 3 IN OD X 1-29/32 IN ID X 1/16 IN THK; SIG DWG SC-D-20719-5		2	0.3	0.1		20
P	F	5970-405-8436	† †	INSULATOR, BOWL: UPPER INS; FEMALE, 2-1/4 IN LG X 3 11/16 IN OD X 9/16 IN HOLE; SIG DWG SC-D-12520-7		1	0.6	0.2		10
P	F	5970-405-8437	†	INSULATOR BOWL: 1 OWEN INS; MALE; RD, 2-3/4 IN LG O/A; 2-3/4 OD W/13/32 IN DIA HOLE 1 END, 1-1/2 IN DIA HOLE OTHER END, W MALE INSERT AND 1-1/4 IN LG X 1-31/32 IN OD; SIG DWG SC-D-12520-8		1	0.3	0.1		7
P	F	5970-285-0261	†	INSULATOR, BUSHING; LOWER INS BOWL; MALE; RD, 2-3/4 IN OD W/13/32 IN SQ HOLE 1 END, 1-1/2 IN DIA HOLE OTHER END; SIG DWG SC-D-20719-2		1	0.4	0.1		7

(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) FIELD 15 DAYS MAINTENANCE ALLOWANCE PER 100 EQUIPS 3RD	(9) 4TH	(10) DEPOT QUANTITY REQUIRED FOR REBUILD OF 100 EQUIPS 5TH
A	B	C	D	5330-227-9065	1 2 †	MP-65,MP-65A,B (CONTUNUED) INSULATOR BUSHING: PHENOLIC; WASHER W/CHAM; 1/4 IN H X 1-1/2 OF REDUCED TO 1-1/8 IN OD, 25/64 IN ID; SIG DWG SC-D-12519-4			1	0.3	0.1	7
	P	F		5330-227-9064	† †	INSULATOR, BUSHING: WASHER W/CHAM; PHENOLIC 1-1/2 IN OD X 17/32 IN ID X 1/4 THK; SIG DWG SC-D-12519-3			1	0.3	0.1	7
	P	F		5985-189-8908	† †	INSULATOR, WASHER: SYN RUBBER; RD 11/16 IN OD X 7/16 IN ID X 3/64 IN THK O/A; SIG DWG SC-D-12520-3			1	0.3	0.1	10
	P	F		5310-498-8409	†	NUT, HEXAGON; BRASS; 3/8-16 NC THD, CATERPILLAR PART NO. CTC-1B5355; SIG DWG SC-D-20719-12			1	0.2	0.1	10
	P	F		5940-283-8471	†	POST, BINDING: BINDING POST TM-146			1	0.3	0.1	5
	P	F		5940-771-4665	†	POST BINDING: SIG DWG SC-D-12518 ITEMS 2,3,8			1	0.3	0.1	5
	P	F		5985-405-1361	†	RING, ELECTRICAL CONTACT: CAD PL; CYLINDRICAL; 3-1/8 IN OD X 2-1/8 IN ID X 1 IN THK; SIG DWG SC-D-20719-3			1	0.3	0.1	5
	P	F		5985-319-4231	† †	SUPPORT, ANTENNA: 1 PIECE FLEX CONTRUCTION; STEEL; 1-1/2 IN DIA AT BASE; 5/8 IN DIA AT TOP, 14-3/4 IN LG O/A; THD BASE; FLEX CTR PORTIONS; SIG DWG SC-D-20718- 1,2,6,10,14,15,16,17,21 AND 22			1	0.6	0.2	5
	P	F		5310-186-7368	† †	WASHER, FLAT: BRASS; 7/16 IN SCREW; 15/32 IN ID X 3/4 IN OD X 1/16 IN THK; SPECIALTY PACKING PART/DWG NO. SA-220			1	0.3	0.1	10
	P	F		5310-322-4597	†	WASHER FLAT: STEEL; CAD PL; 9/16 IN OD X 0.377 IN ID X 0.062 IN THK; DIEBOLD PART/DWG NO. 01-13246			1	0.2	0.1	10
		F		5310-537-8370	†	WASHER, LOCK: STEEL, CAD PL; F/3/8 IN SCREW; SIG STD DWG NO. 104-2S-616R			1	0.2	0.1	10
		F		5985-355-7530	†	WASHER, SLOTTED RIM: RD C SHAPED; SYN RUBBER; 11/16 IN OD X 7/16 IN ID X 3/64 IN THK; 1/8 IN OPENING; SIG DWG SC-D-12520-4			1	0.3	0.1	10

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USAR: None.

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

