

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

OPERATOR, ORGANIZATIONAL, FIELD AND DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST AND MAINTENANCE ALLOCATION CHART
DEGREASER MK-1760/G

Headquarters, Department of the Army, Washington 25, D. C.
22 March 1960

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SECTION I

INTRODUCTION

1. Scope

a. *General.* This manual contains an operator, organizational, field, and depot maintenance re-pair parts and special tools list for Degreaser MK-1760/G.

(1) Section II lists items supplied for initial operation and for running spares and accessories. The list includes tools, accessories, parts, and material issued as part of the major end item. The list includes all items authorized for basic operator

* This manual supersedes Department of the Army Supply Manual SIG 7 & 8 MX-1760/G, 19 October 1956.

maintenance of the equipment. End items of equipment are issued on the basis of allowances prescribed in equipment authorization tables and other documents which are a basis for requisitioning.

(2) Section III lists the quantities of repair parts authorized for organizational maintenance and is a basis for requisitioning by organizations which are authorized the major item of equipment.

(3) Section IV lists the quantities of repair parts for third and fourth 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.*

(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.* The numbers in this column in these columns indicate 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.* Not used.
- (c) *Column C.* This column indicates the lowest maintenance echelon authorized to install the part.
- (d) *Column D.* Not used.

(2) *Federal stock number.* The "Stock number" column lists the 11-digit Federal stock number. In the absence of a Federal stock Number, an interim number, for example ttL5Ra41c-12, in the description column indicates that a Federal stock number is being processed for assignment. The L number may be used in emergencies to identify items.

(3) *Designation by model.* Not used.

(4) *Description.* Nomenclature or the standard item name and brief identifying data for each item is listed in this column. When requisitioning, enter the nomenclature and description on the requisition.

(5) *Unit of issue.* The unit of issue is the supply term applied to the smallest quantity by which the individual item is counted for procurement, allowances, and issue purposes. storage, requisitioning,

(6) *Expendability.* Expendable items are indicated by the letter X; nonexpendable 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. Under "Running Spares and Accessory Items" the quantities listed are those issued initially with the equipment as spare parts. The quantities are authorized to be kept on hand by the operator for maintenance 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.* The quantities indicated in these columns are maximum levels of repair parts authorized to be kept on hand by units performing organizational maintenance. The quantities are based on 100 equipments to be maintained for a 15-day period.

(10) *Field (third echelon).* The numbers in these columns indicate 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.

(11) *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.

(12) *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.

(13) *Illustration.* 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

$$\frac{\text{allowance factor}}{X \quad 100} = \text{Number of parts}$$

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 0.50, the quantity authorized will be zero.

(2) When the total number of parts authorized is between 0.50 and 1.0, the quantity authorized will be one.

(3) For all values above one, fractional values below 0.5 will revert to lower whole number and fractional value 0.5 and above will advance to the next higher whole number.

(4) When the allowance factor listed in the third echelon column is in parentheses (), a quantity of one is authorized for initial stockage even though the computed quantity is less than 0.5.

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

4. Additional Repair Parts

Additional 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.

5. Stockage

No parts are authorized for stockage at third echelon.

6. 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 Equipment Support Agency, Fort Monmouth, N. J., ATTN: SIGFM/ES-ML.

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	EXPEND- ABILITY	QUANTITY AUTHO- RIZED	ILLUSTRATION		
														FIGURE NO.	ITEM NO.	
ITEMS COMPRISING AN OPERABLE EQUIPMENT																
DECREASER MX-1760/G																
				4940-696-0685						DECREASER MX-1760/G	ea	NX				
				3030-203-1583						BELT,V: Gates Rubber type No. A4L380	ea	X	1			
										FILTER, FLUID: SOS Co No. "TUFFY" ttL9Sc58-2	ea	X	1			
RUNNING SPARES AND ACCESSORY ITEMS																
DECREASER MX-1760/G																
										FILTER, FLUID: SOS Co. No. "TUFFY" ++L9Sc58-2	ea	X	1			

**SECTION III
SECOND ECHELON FUNCTIONAL PARTS LIST**

(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	EXPEND- ABILITY	QUANTITY INCORPO- RATED IN UNIT	ORGANIZATIONAL	ILLUSTRATION	
																			15 DAYS MAINTENANCE ALLOWANCE PER 100 EQUIPS	FIGURE NO.	ITEM NO.
																		2ND			
												DECREASER MX-1760/G									
				4940-696-0685								DECREASER MX-1760/G				ea	NX				
				3030-203-1583								BELT, V: Gates Rubber type No. A4L3R0				ea	X	1	*		
				4510-343-8824								BODY, SHOWER SPRAY: Hudson Co part No. 1031				ea	X	7	*		
				4510-343-8825								CAP, SHOWER FIXTURE: Hudson Co part No. 1030				ea	X	7	*		
				5935-636-7145								CONNECTOR PLUG; UP-121NM				ea	X	1	*		
				4510-345-1372								DISC, SHOWER HEAD Supreme Power Cleaner Mfg part No. 1K-				ea	X	7	*		
												FILTER, FLUID SOS Co. No. "TUFFY" ++L9Sc58-2				ea	X	1	*		
				4510-345-9209								GASKET, FIBER: Champ Items No. R1066				ea	X	7	*		
				5355-534-2864								KNOB: M.H. Rhodes part No. 9032				ea	X	1	*		
				6105-344-8662								MOTOR, ALTERNATING CURRENT: Westinghouse No. 1179202				ea	X	1	*		
				4320-427-7330								PUMP, CENTRIFUGAL: Deming Co part No. 3900				ea	X	1	*		
				4510-343-8829								SCREEN, FILTER: Hudson Co part No. 2150				ea	X	7	*		
				4510-344-8668								SPRAY HEAD: Sanitary Dash Mfg part No. 700				ea	X	1	*		

**SECTION IV
THIRD, FOURTH, AND FIFTH ECHELON FUNCTIONAL PARTS LIST**

(1) SOURCE MAINTENANCE AND RECOVERABILITY CODE				(2) FEDERAL STOCK NUMBER		(3) DESIGNATION BY MODEL				(4) DESCRIPTION				(5) UNIT OF ISSU	(6) EXP	(7) QTY INC IN UNIT	(8) FIELD 15 DAYS MAINTENANCE ALLOWANCE PER 100 EQUIPS		(10) DEPOT QUANTITY REQUIRED FOR REBUILD OF 100 EQUIPS		(11) ILLUSTRATION	
A	B	C	D														3RD	4TH	5TH	FIGURE NO.	ITEM NO.	
					4940-696-0685																	
					3030-203-1583								ea	NX								
		0			4510-343-8824								ea	X	1		0.3		14			
		0			4510-343-8824								ea	X	7		0.6		23			
		H			6145-548-1266								ft	X	B		2.6		64			
		0			4510-343-8825								ea	X	7		0.6		23			
		0			5935-436-7145								ea	X	1		0.3		12			
		0			4510-345-1372								ea	X	7		0.6		23			
		0											ea	X	1		1.7		72			
		0			4510-345-9209								ea	X	7		1.1		45			
		0			5355-534-2864								ea	X	1		0.2		8			
		0			6105-344-8662								ea	X	1		0.1		6			
		0			4320-427-7330								ea	X	1		0.2		8			
		0			4510-343-8829								ea	X	7		1.1		45			
		0			4510-344-8668								ea	X	1		0.3		12			
		H			4320-343-8831								ea	X	1		0.2		8			
		H											ea	X	1		0.3		12			

Parts With AN FSN

FSN	NEW NSN	FSCM	PART NUMBER
30202031583	NONE	24161	A4L380
30202031583	NONE	24161	A4L380
30202031583	NONE	24161	A4L380
45103438824	4510003438824	29670	1031
45103438824	4510003438824	29670	1031
45103438824	4510003438824	29670	1031
45103438824	4510003438824	29670	1031
45103438829	NONE	29670	2150
45103438829	NONE	29670	2150
43203438831	NONE	16859	3900-9
61053448662	6105003448662	79500	1179202
61053448662	6105003448662	79500	1179202
45103448668	NONE	00612	700
45103448668	4510003448668	00612	700
45103451372	NONE	00623	1K-2040
45103451372	NONE	00623	1K2040
45103459209	53300034592009	81066	947C
45103459209	53300034592009	81066	947C
43204277330	NONE	16859	3900
43204277330	NONE	16859	3900
49405290451	4940005290451	80058	MX-17601G
53555342864	NONE	79919	9032
53555342864	NONE	79919	9032
61455481266	NONE	83351	18/35J364
59356367145	5935006367145	80058	UP-1211M
59356367145	5935006367145	80058	UP-121M

CROSS REFERENCE INDEX

Parts With NO FSN

OLD PART NUMBER	NEW NSN	FSCM	NEW PART NUMBER
MX-17601G		80058	
TUFFY		54698	
TUFFY		54698	
TUFFY		54698	
TUFFY		54698	
9032		79919	

CHANGE

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC, 11 JANUARY 1983

**OPERATOR, ORGANIZATIONAL, FIELD AND DEPOT MAINTENANCE REPAIR PARTS
AND SPECIAL TOOLS LIST AND MAINTENANCE ALLOCATION CHART
DEGREASER MX-1760/G (NSN 4940-00-529-0451)**

TM 11-4940-204-15P, 22 March 1960, is changed as follows:
Page 6, Section IV.1 is added after Section IV.

SECTION IV.A

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.

By Order of the Secretary of the Army:

Official:

ROBERT M. JOYCE
Major General, United States Army
The Adjutant General

E. C. MEYER
General, United States Army
Chief of Staff

DISTRIBUTION

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SECTION V
MAINTENANCE ALLOCATION

7. General

- a.** The maintenance allocation portion of this manual 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 is included only where clarification is necessary to identify the part. Components and parts comprising a major end item are listed alphabetically. Assemblies and sub-assemblies 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. These are as follows:
 - (a) *Service.* To clean, to preserve, and to replenish fuel and 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 assemblies, subassemblies, and parts for unserviceable components.
 - (f) *Repair.* To restore to a serviceable condition by replacing unserviceable parts or by any other action required utilizing tools, equipment, and skills available, to include welding, grinding, riveting, straightening, adjusting, etc.
 - (g) *Align.* To adjust two or more components of an electrical system so that their functions are properly
 - (h) *Rebuild.* To restore to a condition comparable to new by disassembling the item to determine the condition of its component parts and reassembling it using serviceable, rebuilt, or new assemblies, subassemblies, and parts.
 - (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 indicate 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 section allocating tools for maintenance functions are defined 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.* A dagger (†) symbol indicates the echelons allocated the facility.
 - (3) *Tool code.* This column lists the tool code assigned.

8. Maintenance by Using Organizations

When this equipment is used by signal service 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.

9. Mounting Hardware

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

Section V. MAINTENANCE ALLOCATION CHART

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
PART OR COMPONENT	MAINTENANCE FUNCTION	1ST ECH	2ND ECH	3RD ECH	4TH ECH	5TH ECH	TOOLS REQUIRED	REMARKS
DECREASER MX-1760/G	service adjust test repair rebuild		X		X X	X X	1,2,3,4 1,2	
BELT, V	service adjust replace align		X X X X				1 1 1 1	
BODY, SHOWER SPRAY	service inspect replace		X X X				2 2 2	
CABLE	inspect replace		X		X		3	
CAP, SHOWER FIXTURE	service adjust inspect replace		X X X X				2 2 2 2	
CONNECTOR	inspect replace		X X				3	
DISC SHOWER HEAD	service adjust inspect replace		X X X X				2 2 2 2	
FILTER, FLUID	service inspect replace		X X X					Remove by hand
GASKET, SPRAY HEAD	service replace		X X				2 2	
KNOB	replace		X					
Motor, ALTERNATING CUIRENT: 1/4 HP: 120V. 60 CYC	service adjust inspect test replace repair rebuild		X X X X X		X	X	1 1 5 1	

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
PART OR COMPONENT	MAINTENANCE FUNCTION	1ST ECH	2ND ECH	3RD ECH	4TH ECH	5TH ECH	TOOLS REQUIRED	REMARKS
MI-1760/G (continued) PUMP, CENTRIFUGAL	service adjust inspect replace repair rebuild		X X X X				1, 4 1, 4 1, 4 1, 4	
STUFFING BOX	service adjust inspect replace align		X X X X			X	1 1 1 1	
SCREEN, FILTER	service inspect replace		X X X				2 2	
SPRAY HEAD	service inspect replace		X X X				3, 4 2, 4 2	
TIMER, ELECTRICAL, SWITCH	service adjust test replace				X X X X		3, 4 3, 4 5 3, 4	

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
MX-1760/G (continued)							
WRENCH TL-111				†	†	1	
PLIERS: 10 in, SLIP JOINT; MULTI-TONGUE AND GROOVE; FSN- 5120-278-0352				†	†	2	
SCREWDRIVER TL-358/U FSN: 5120-277-1486				†	†	3	
WRENCH, PIPE ADJ JAW;; 14 in lg o/a:				†	†	4	
MULTIMETER AN/URM-105				†	†	5	

By Order of *Wilber M. Brucker*, Secretary of the Army:

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USASCS (25)
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Atlanta Gen Dep (None)
Sig Sec, Gen Dep (10)
Sig Dep (17)
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Engr Maint Cen (1)
USA Ord Msl Comd (3)
NG: State AG (3); Units-Same as Active Army except allowance is one copy to each unit.

USASSA (15)
USASSAMRO (1)
USA Sig Pub Agcy (8)
USA Sig Engr Agcy (1)
I'SA Comm Agcy (3)
USA Sig Eqp Spt Agcy (7)
USA Sig Msl Spt Agcy (13)
WRAMC (1)
AFIP (1)
AMS (1)
Ports of Emb (OS) (2)
Trans Terminal Comd (1)
Army Terminal (1)
OS Sup Agcy (1)
Yuma Test Sta (2)
USA Elct PG (1)
Engr RD Lab (5)
Sig Lab (5)
Sig Fld Maint Shops (3)
USA Corps (Res) (1)
JBUSMC (2)
Units org under fol TOE:
11-7 (2)
11-16 (2)
11-57 (2)
11-97 (2)
11-117 (2)
11-155 (2)
11-500 (AA-AE) (2)
11-557 (2)
11-587 (2)
11-592 (2)
11-597 (2)
32-56 (2)
32-57 (2)

USAR: None.

For explanation of abbreviations used, see AR 324-50.

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