DEPARTMENT OF THE ARMY TECHNICAL MANUAL

DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LISTS (INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS) CONNECTING AND SWITCHING KIT MX-155/GT FSN 5805-407-4203

Headquarters, Department of the Army, Washington, D.C.
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*This manual supersedes TM 11-5805-303-35P, 18 September 1961.

SECTION I

INTRODUCTION

1-1. Scope

This manual lists repair parts and special tools required for the performance of direct support, general support, and depot maintenance of the MX-155/GT. The PCCN for the MX-155/GT is GCMABM for all models.

1-2. General

This repair parts and special tools list is divided into the following sections:

a. Repair Parts List-Section II. A list of repair parts authorized for the performance of maintenance at the direct support, general support, and depot level. This repair parts list is arranged in alphabetical order.

b. Special Tools, Test and Support Equipment - Section III. Not applicable.

c. Index-Federal Stock Number and Reference Number Cross-Reference to Figure and Item Number--Section IV. A list, in ascending numerical sequence, of all Federal stock numbers appearing in the listings, followed by a list, in alphameric 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.

1-3. 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	*Explanation*
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 outfittings. 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 defined as a kit that provides an item that can be replaced at organizational or direct support or general support levels of maintenance.
PB	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.

Code *Explanation*

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 of maintenance.

NOTE

A code "C" may be 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 maintenance 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 functions). When a maintenance code is not used a dash (-) sign is entered. For multiservice 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.

Code *Application/Explanation*

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 -Nonrepairable. 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 and will be used for requisitioning purposes.

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. 30-Day DS/GS Maintenance Allowances.

NOTE

Allowances in GS column are for GS maintenance only.

(1) The repair parts indicated by asterisk entries in separate allowance columns for DS and GS 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.

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

h. Depot Maintenance Allowances Per 100 Equipments. This column indicates opposite the first appearance of each item the total quantity authorized for depot maintenance of 100 equipments.

i. Illustration. This column is divided as follows :

(1) *Figure number.* Indicates the figure number of the illustration on which the item is shown in TM 11-2546.

(2) *Item number.* Not applicable.

1-4. Special Information

a. 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*
ABS	MX-155/GT

b. The following publications pertain to the MX-155 GT and its components:

TM 11-2546	Connecting and Switching Kit MX-155/GT.
TM 11-5805-303-20P	Organizational Maintenance Repair Parts and Special Tools Lists: Connecting and Switching Kit MX-155/GT.

1-5. Location of Repair Parts

a. This manual contains one cross-reference index (sec IV) 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 IV) 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 II) and locate the figure number (col 10a) and item number or reference designation (col 10b) as noted in the FSN index.

c. When the figure and item number or reference designation are known, scrutinize columns 10a and 10b of the repair parts list (sec II) until the item is located.

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

1-6. Abbreviations

Not applicable.

1-7. Reporting of 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 forwarded direct to Commander, US Army Electronics Command, ATTN: AMSEL-MA-CW, Fort Monmouth, N. J., 07703.

(Next printed page is 6)

(1)	(2)	(3)		(4)	(5)	(6) 30-DAY DS MAINT ALLOWANCE			(7) 30-DAY GS MAINT ALLOWANCE			(8)	(9)	(10) ILLUSTRATION	
SMR CODE	FEDERAL STOCK NUMBER	DESCRIPTION REFERENCE NUMBER & MFR. CODE	USABLE ON CODE	UNIT OF MEAS	QTY INC IN UNIT	(A) 1-20	(B) 21-50	(C) 51-100	(A) 1-20	(B) 21-50	(C) 51-100	1-YR ALW PER 100 EQUIP CNTGCY	DEPOT MAINT ALW PER 100 EQUIP	(A) FIGURE NO.	(B) ITEM NO.
PAOZZ	5305-638-9130	BOLT, MACHINE NO-REF-DESIG HOLDS REEL BRACKET TO GUN CARRIAGE SCD13617-3 (80063)		EA	7	*	*	*	*	*	*		3	7	
PAOZZ	5805-407-4204	BUSHING, BEARING NO-REF-DESIG P-O BRACKET ASSEMBLY SCD13617-11 (80063)		EA	7	*	*	*	*	*	*		3		
PAOZZ	5805-161-5211	CLAMP, ELECTRICAL NO-REF-DESIG FOR CLAMPING REEL BUSHING SCD13617-2 (80063)		EA	14	*	*	*	*	*	*		3		
PAOZZ	5995-164-6471	CORD ASSEMBLY, ELECTRICAL CX-231/GT NO-REF-DESIG SCD13615 (80063)		EA	15	*	*	*	*	*	*		5	1	
PAOZZ	5805-160-2336	FRAME NO-REF-DESIG FOR MOUNTING REEL RL-39 SCD13617-1 (80063)		EA	7	*	*	*	*	*	*		4	1	
PAFZZ	5935-283-1269	JACK JJ-034 NO-REF-DESIG USED ON JACK PANEL SB-16/GT SCD13616-5-9 (80063)		EA	10	*	*	*	*	*	*		3	11	
PAOZZ	5935-193-9680	JACK, TELEPHONE U-17/GT NO-REF-DESIG USED FOR TERMINATING WIRE W-130 ON REEL RL-39 SCD1457 (80063)		EA	7	*	*	*	*	*	*		3	1	
PAOZZ	5310-194-8212	NUT, PLAIN, HEXAGON NO-REF-DESIG P-O REEL BRACKET SCD13617-5 (80063)		EA	7	*	*	*	*	*	*		3	7	
PAOZZ	5310-809-5998	WASHER, FLAT NO-REF-DESIG P-O REEL BRACKET SCD13617-8 (80063)		EA	21	*	*	*	*	*	*		5	7	
PAOZZ	5310-199-6971	WASHER, LOCK NO-REF-DESIG P-O REEL BRACKET SCD13617-9 (80063)		EA	7	*	*	*	*	*	*		5	7	

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

STOCK NUMBER	FIGURE NO.	ITEM NO.	STOCK NUMBER	FIGURE NO.	ITEM NO.
5305-638-9130	7		5805-161-5211		
5310-194-8212	7		5805-407-4204		
5310-199-6971	7		5935-193-9680	1	
5310-809-5998	7		5935-283-1269	11	
5805-160-2336	1		5995-164-6471	1	

REFERENCE NO.	MFR CODE	FIG. NO.	ITEM NO.	REFERENCE NO.	MFR CODE	FIG. NO.	ITEM NO.
SCD13615	80063	1		SCD13617-3	80063	7	
SCD13616-5-9	80063	11		SCD13617-5	80063	7	
SCD13617-1	80063	1		SCD13617-8	80063	7	
SCD13617-11	80063			SCD13617-9	80063	7	
SCD13617-2	80063			SCD1457	80063	1	

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ATAD (10)
LEAD (7)
USA Dep (2)
Sig Sec USA Dep (2)
Sig Dep (5)
Sig FLDMS (1)
USAERDAA (1)
USAERDAW (1)
MAAG (1)
USARMIS (1)
WRAMC (1)
Units org under fol TOE
(1 copy each unit):
11-158
29-134
29-136

USNG: None.

USAR: None.

For explanation of abbreviations used, see AR 310-50.

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THE METRIC SYSTEM AND EQUIVALENTS

'NEAR MEASURE

. Centimeter = 10 Millimeters = 0.01 Meters = 0.3937 Inches
1 Meter = 100 Centimeters = 1000 Millimeters = 39.37 Inches
1 Kilometer = 1000 Meters = 0.621 Miles

'VEIGHTS

Gram = 0.001 Kilograms = 1000 Milligrams = 0.035 Ounces
1 Kilogram = 1000 Grams = 2.2 lb.
1 Metric Ton = 1000 Kilograms = 1 Megagram = 1.1 Short Tons

LIQUID MEASURE

1 Milliliter = 0.001 Liters = 0.0338 Fluid Ounces
1 Liter = 1000 Milliliters = 33.82 Fluid Ounces

SQUARE MEASURE

1 Sq. Centimeter = 100 Sq. Millimeters = 0.155 Sq. Inches
1 Sq. Meter = 10,000 Sq. Centimeters = 10.76 Sq. Feet
1 Sq. Kilometer = 1,000,000 Sq. Meters = 0.386 Sq. Miles

CUBIC MEASURE

1 Cu. Centimeter = 1000 Cu. Millimeters = 0.06 Cu. Inches
1 Cu. Meter = 1,000,000 Cu. Centimeters = 35.31 Cu. Feet

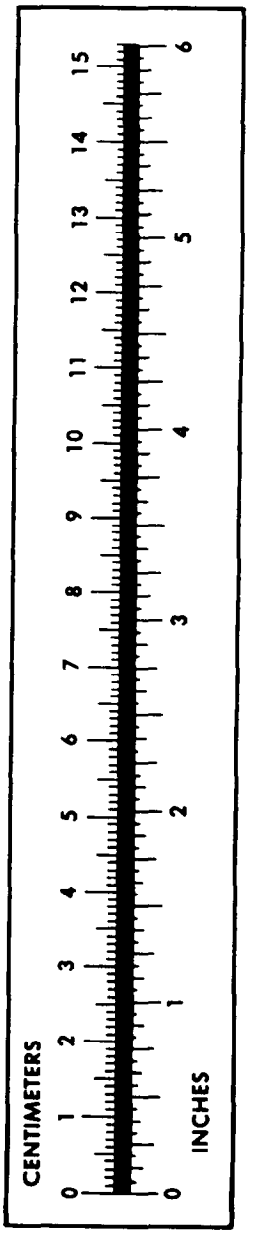
TEMPERATURE

5/9(°F - 32) = °C
212° Fahrenheit is evuivalent to 100° Celsius
90° Fahrenheit is equivalent to 32.2° Celsius
32° Fahrenheit is equivalent to 0° Celsius
9/5C° + 32 =°F

APPROXIMATE CONVERSION FACTORS

TO CHANGE	TO	MULTIPLY BY
Inches	Centimeters	2.540
Feet	Meters	0.305
Yards	Meters	0.914
Miles	Kilometers	1.609
Square Inches	Square Centimeters	6.451
Square Feet	Square Meters	0.093
Square Yards	Square Meters	0.836
Square Miles	Square Kilometers	2.590
Acres	Square Hectometers	0.405
Cubic Feet	Cubic Meters	0.028
Cubic Yards	Cubic Meters	0.765
Fluid Ounces	Milliliters	29.573
ıts	Liters	0.473
arts	Liters	0.946
allons	Liters	3.785
Ounces	Grams	28.349
Pounds	Kilograms	0.454
Short Tons	Metric Tons	0.907
Pound-Feet	Newton-Meters	1.356
Pounds per Square Inch	Kilopascals	6.895
Miles per Gallon	Kilometers per Liter	0.425
Miles per Hour	Kilometers per Hour	1.609

TO CHANGE	TO	MULTIPLY BY
Centimeters	Inches	0.394
Meters	Feet	3.280
Meters	Yards	1.094
Kilometers	Miles	0.621
Square Centimeters	Square Inches	0.155
Square Meters	Square Feet	10.764
Square Meters	Square Yards	1.196
Square Kilometers	Square Miles	0.386
Square Hectometers	Acres	2.471
Cubic Meters	Cubic Feet	35.315
Cubic Meters	Cubic Yards	1.308
Milliliters	Fluid Ounces	0.034
Liters	Pints	2.113
Liters	Quarts	1.057
ers	Gallons	0.264
ms	Ounces	0.035
ograms	Pounds	2.205
Metric Tons	Short Tons	1.102
Newton-Meters	Pounds-Feet	0.738
Kilopascals	Pounds per Square Inch	0.145
lometers per Liter	Miles per Gallon	2.354
meters per Hour	Miles per Hour	0.621



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