
 DEPARTMENT OF THE ARMY TECHNICAL MANUAL

**ORGANIZATIONAL, DIRECT SUPPORT, AND GENERAL
 SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL
 TOOLS LISTS (INCLUDING DEPOT MAINTENANCE
 REPAIR PARTS AND SPECIAL TOOLS)
 HYDROGEN GENERATOR ML-303/TM AND
 HYDROGEN GENERATOR SET AN/TMQ-3
 FSN 3655-408-4683**

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

30 July 1973

Current as of December 1972

	Paragraph	Page
Section I. INTRODUCTION		
Scope	1-1	2
General	1-2	2
Explanation of columns.	1-3	2
Special information.	1-4	4
Location of repair parts.	1-5	4
Abbreviations (Not applicable).	1-6	4
Reporting of equipment publication improvements.	1-7	4
II. PRESCRIBED LOAD ALLOWANCE (Not applicable).		
III. REPAIR PARTS LIST.		5
IV. SPECIAL TOOLS, TEST AND SUPPORT EQUIPMENT (Not applicable).		
V. REPAIR PARTS LIST.		6
VI. SPECIAL TOOLS, TEST AND SUPPORT EQUIPMENT (Not applicable).		
VII. INDEX-FEDERAL STOCK NUMBER AND REFERENCE NUMBER.		
CROSS-REFERENCE TO FIGURE AND ITEM NUMBER.		7

* This manual supersedes so much of TM 11-2413, 17 August 1956, as pertains to repair parts and special tools lists.

SECTION I

INTRODUCTION

1-1. Scope

This manual lists repair parts and special tools required for the performance of organizational, direct support, general support, and depot maintenance of the ML-303/TM and AN/TMQ-3. The PCCN for the equipments is GESAAAN for all models.

1-2. General

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

a. Prescribed Load Allowance (PLA)—Section II. Not applicable.

b. Repair Parts List—Section III. A list of repair parts authorized for the performance of maintenance at the organizational level. This repair parts list is arranged in alphabetical order.

c. Special Tools, Test and Support Equipment — Section IV. Not applicable.

d. Repair Parts List—Section V. A list of repair parts authorized for the performance of maintenance at the direct support, general support, and depot level.

e. Special Tools, Test and Support Equipment — Section VI. Not applicable.

f. Index—Federal Stock Number and Reference Number Cross-Reference to Figure and Item Number—Section VII. 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 source for the listed items. Source codes are—

<i>Code</i>	<i>Explanation</i>
P—	Repair parts, special tools and test equipment supplied from the GSA/DSA or Army supply system and authorized for use at indicated maintenance categories.
P2—	Repair parts, special tools and test equipment which are procured and stocked for insurance purposes because the combat or military essentiality of the end item

<i>Code</i>	<i>Explanation</i>
	dictates that a minimum quantity be available in the supply system.
P9—	Assigned to items which are NSA design controlled: unique repair parts, special tools, test, measuring, and diagnostic equipment which are stocked and supplied by the Army COMSEC Logistic System and which are not subject to the provisions of AR 380-41.
P10—	Assigned to items which are NSA design controlled: special tools, test, measuring, and diagnostic equipment for COMSEC support which are accountable under the provisions of AR 380-41 and which are stocked and supplied by the Army COMSEC Logistic System.
M—	Repair parts, special tools and test equipment which are not procured or stocked as such in the supply system but are to be manufactured at indicated maintenance levels.
A —	Assemblies which are not procured or stocked as such but are made up of two or more units. Such component units carry individual stock numbers and descriptions, are procured and stocked separately, and can be assembled to form the required assembly at indicated maintenance categories.
X —	Parts and assemblies that are not procured or stocked because the failure rate is normally below that of the applicable end item or component. The failure of such part or assembly should result in retirement of the end item from the supply system.
X1—	Repair parts which are not procured or stocked. The requirement for such items will be filled by the next higher assembly or component.
X2—	Repair parts, special tools and test equipment which are not stocked and have no foreseen mortality. The indicated maintenance category requiring such repair parts will attempt to obtain the parts through cannibalization or salvage. The item may be requisitioned, with exception data, from the end item manager for immediate use.
G —	Major assemblies that are procured with PEMA funds for initial issue only as ex-

SECTION III

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE USABLE ON CODE	(4) UNIT OF MEAS	(5) QTY INC UNIT	(6) 15-DAY ORGANIZATIONAL MAINTENANCE ALW				(7) ILLUSTRATION	
					(a) 1-5	(b) 6-20	(c) 21-50	(d) 51-100	(a) FIGURE NO	(b) ITEM NO
PAOZZ	4730-408-4671	ADAPTER, STRAIGHT, PIPE TO TUBE OUTLET TUBE STEEL CAP 3-7/8 IN LG O/A SCD7431ITEM2 (80063)	EA	4	*	*	*	*	2	
PAOHD	6660-500-4671	CASE CY-219/TMQ-3 NO-REF-DESIG 12 IN H X 18 IN WD 27 IN DEEP APPROX 20 LBS CY219TMQ3 (80058)	EA	1	*	*	*	*	4	
PAOZZ	5330-189-8897	GASKET NO-REF-DESIG 1-3/4 IN OD X 1-1/32 IN ID X 1/16 IN THK SCD7431-3 (80063)	EA	4	*	*	*	*	4	
PAOZZ	4720-263-3306	HOSE NO-REF-DESIG RUBBER 1/2 IN ID X 3/4 IN OD, 12 FT LONG HEAVY WALL ZZT83LBAMEND2GRX (ZZZZZ)	FT	12	*	*	*	*	4	
PAOHD	3655-408-4669	HYDROGEN GENERATOR ML-303/TM NO-REF-DESIG FOR CALCIUM HYDRIDE CHARGE 5-1/8 IN DIA X 15 IN H MILH11127 (81349)	EA	4	*	*	*	*	4	
PAOHD	3655-408-4699	MANIFOLD ML-344/TMQ-3 NO-REF-DESIG 10-9/16 IN SQUARE PLATE 1/16 IN THK ML344TMQ3 (80038)	EA	1	*	*	*	*	4	
PAOHO	5110-322-6112	PUNCH, SADDLERS NO-REF-DESIG SCA7433 (80063)	EA	1	*	*	*	*	4	

SECTION V

(1)	(2)	(3)	(4)	(5)	(6)			(7)			(8)	(9)	(10)	
SMR	FEDERAL STOCK	DESCRIPTION	UNIT	QTY INC	30-DAY DS MAINT ALLOWANCE			30-DAY GS MAINT ALLOWANCE			1-YR ALW PER 100	DEPOT MAINT ALW PER 100	ILLUSTRATION	
CODE	NUMBER	REFERENCE NUMBER & MFR CODE	OF MEAS	IN UNIT	(a)	(b)	(c)	(A)	(B)	(C)	EQUIP CNTGCV	EQUIP 100	(A) FIGURE NO.	(B) ITEM NO.
PAOZZ	4730-408-4671	ADAPTER, STRAIGHT, PIPE TO TUBE NO-REF- DESIG OUTLET TUBE STEEL CAP 3-7/8 IN LG O/A SCD7431ITEM2 (80063)	EA	4	*	*	*	*	*	*		4	2	
PAOHD	6660-500-4671	CASE CY-219/TMQ-3 NO-REF-DESIG 12 IN H. X 18 IN WD 27 IN DEEP APPROX 20 LBS CY219TMQ3 (80058)	EA	1	*	*	*	*	*	*		3	4	
PAOZZ	5330-189-8897	GASKET NO-REF-DESIG 1-3/4 IN OD X 1- 1/32 IN ID X 1/16 IN THK SCD7431-3 (80063)	EA	4	*	*	*	*	*	*		5	4	
PAOZZ	4720-263-3306	HOSE NO-REF-DESIG RUBBER 1/2 IN ID X 3/4 IN OD, 12 FT LONG HEAVY WALL ZZT83LBAMEND2GRX (ZZZZZ)	FT	12	*	*	*	*	*	*		3	4	
PAOHD	3655-408-4669	HYDROGEN GENERATOR ML-303/TM NO-REF- DESIG FOR CALCIUM HYDRIDE CHARGE 5-1/8 IN DIA X 15 IN H MILH11127 (81349)	EA	4	*	*	*	*	*	*		3	4	
PAOHD	3655-408-4699	MANIFOLD ML-344/TMQ-3 NO-REF-DESIG 10- 9/16 IN SQUARE PLATE 1/16 IN THK ML344TMQ3 (80038)	EA	1	*	*	*	*	*	*		3	4	
PAOHD	5110-322-6112	PUNCH, SADDLERS NO-REF-DESIG SCA7433 (80063)	EA	1	*	*	*	*	*	*		3	4	

SECTION VII

INDEX - FEDERAL STOCK NUMBER AND REFERENCE NUMBER

STOCK NUMBER	FIGURE NO.	ITEM NO.	STOCK NUMBER	FIGURE NO.	ITEM NO.
3655-408-4669	4		5110-322-6112	4	
3655-408-4699	4		5330-189-8897	4	
4720-263-3306	4		6660-500-4671	4	
4730-408-4671	2				

REFERENCE NO.	MFR CODE	FIG. NO.	ITEM NO.	REFERENCE NO.	MFR CODE	FIG. NO.	ITEM NO.
CY219TMQ3	80058	4		SCD7431-3	80063	4	
MILH11127	81349	4		SCD7431ITEM2	80063	2	
ML344TMQ3	80038	4		ZZT83LBAMEND2GRX	ZZZZZ	4	
SCA7433	80063	4					

By Order of the Secretary of the Army:

CREIGHTON W. ABRAMS
General, United States Army
Chief of Staff

Official:

VERNE L. BOWERS
Major General, United States Army
The Adjutant General

Distribution:

Active Army:

USASA (2)
CNGB (1)
ACSC-E (2)
USAARENBD (2)
USAMB (10)
AMC (1)
CONARC (5)
ARADCOM (2)
ARADCOM Rgn (2)
OS Maj Comd (4)
LOGCOMDS (5)
MICOM (2);
TECOM (2)
USASTRATCOM (4)
HISA (ECOM) (18)
MDW (1)
Armies (2)
Corps (2)
Corps (2)
Svc Colleges (2)
USASESS (5)
USAADS (2)
USAFAS (2)
USAARMS (2)
USAIS (2)
USAES (2)
USAINTS (3)
USACDCEC (5)

Instl (2) except
Fort Gordon (10)
Fort Huachuca (10)
Fort Carson (10)
WSMR (2)
Army Dep (2) except
LBAD (14)
SAAD (30)
TOAD (14)
LEAD (7)
ATAD (10)
USA Dep (2)
Sig Sec USA Dep (2)
Sig Dep (5)
Sig FLDMS (1)
USAERDAA (1)
USAERDAW (1)
USAERDAW (1)
MAAG (1)
USARMIS (1)
Ft Richardson (ECOM Ofc) (2)
WRAMC (1)
Units org under fol TOE:
(1 copy each)
11-158
29-134
29-136

NG: None

USAR: None

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