

TM 11-5815-310-20P

TECHNICAL MANUAL

**ORGANIZATIONAL MAINTENANCE REPAIR PARTS
AND SPECIAL TOOLS LISTS
FOR**

**CONTROL-MONITOR GROUP AN/FGA-10
(NSN 5815-00-999-7314)**

**HEADQUARTERS, DEPARTMENT OF THE ARMY
AUGUST 1976**

TECHNICAL MANUAL }
 No. 11-5815-310-20P }

**HEADQUARTERS
 DEPARTMENT OF THE ARMY
 WASHINGTON, D.C., 13 August 1976**

**ORGANIZATIONAL MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LISTS
 FOR
 CONTROL-MONITOR GROUP AN/FGA-10
 (NSN 5815-00-999-7314)
 Current as of 1 April 1976**

REPORTING OF ERRORS

You can improve this manual by recommending improvements using DA Form 2028-2 (Test) located in the back of the manual. Simply tear out the self-addressed form, fill it out as shown on the sample, fold it where shown, and drop it in the mail.

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In either case a reply will be furnished direct to you.

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0102 Alarm-monitor subassembly data resistor module (1A2) (No parts authorized)		
0103 Alarm-monitor subassembly character matrix module (1A3) (No parts authorized)		
0104 Alarm-monitor subassembly counter module (1A4) (No parts authorized)		
0105 Alarm-monitor subassembly character sequence modules (1A5 through 1A11) (No parts authorized)		
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***This manual supersedes so much of TM 11-5815-310-12, 2 October 1966, including all changes, as pertains to repair parts and special tools list.**

SECTION I INTRODUCTION

1. Scope

This manual lists repair parts and special tools required for performance of organizational maintenance of the AN/FGA-10.

2. General

This Repair Parts and Special Tools List is divided into the following sections:

a. Section II-Repair Parts List. A list of repair parts authorized for use in the performance of maintenance. Parts lists are composed of functional groups in ascending numerical sequence, with the parts in each group listed in figure and item number sequence.

b. Section III-Special Tools List. Not applicable.

c. Section IV-National Stock Number and Part Number Index A list, in ascending National item identification number (NIIN, last 9 digits) sequence, of all National stock numbers appearing in the listings, followed by a list, in alphameric sequence, of all part numbers appearing in the listings. National stock number and part numbers are cross-referenced to each illustration figure and item number appearance.

3. Explanation of Columns

The following provides an explanation of columns found in the tabular listings:

a. Illustration This column is divided as follows:

(1) Figure number. Indicates the figure number of the illustration in which the item is shown.

(2) Item number. The number used to identify each item called out in the illustration.

b. Source, Maintenance, and Recoverability Codes (SMR).

(1) Source code. Source codes are assigned to support items to indicate the manner of acquiring support items for maintenance, repair, or overhaul of end items. Source codes are entered in the first and second positions of the Uniform SMR Code format as follows:

<i>Code</i>	<i>Definition</i>
PA	Item procured and stocked for anticipated or known usage.
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.

NOTE

Cannibalization or salvage may be used as a source of supply for any items source coded above except those coded XA, XD, 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) The maintenance code entered in the third position will indicate the lowest maintenance level authorized to remove, replace, and use the support item. The maintenance code entered in the third position will indicate one of the following levels of maintenance:

<i>Code</i>	<i>Application/Explanation</i>
O	Support item is removed, replaced, used at the organizational level.

(6) 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 maintenance functions). This position will contain one of the following maintenance codes:

H-The lowest maintenance level capable of complete repair of the support item is the general support level.

Z-Nonreparable. No repair is authorized.

(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:

<i>Recoverability codes</i>	<i>Definition</i>
Z	Nonreparable item. When unserviceable, condemn and dispose at the level indicated in position 3.
H	Reparable item. When uneconomically repairable, condemn and dispose at the general support 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). Refer to appropriate manuals/directives for specific instructions.

c. National Stock &m&~. Indicates the National stock number assigned to the item and will be used for requisitioning purposes.

d. Part Number. Indicates the primary number used by the manufacturer (individual, company, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications standards, and inspection requirements, to identify an item or range of items.

NOTE

When a stock numbered item is requisitioned, the repair part received may have a different part number than the part being replaced.

Federal Supply Code for Manufacturer (FSCM).

The FSCM is a 5-digit numeric code listed in SB 708-42 which is used to identify the manufacturer, distributor, or Government agency, etc.

f. Description. Indicates the Federal item name and, if required, a minimum description to identify the item.

g. Unit of Measure (U/M). Indicates the standard of the basic quantity of the listed item as used in performing the actual maintenance function. This measure is expressed by a two-character alphabetical abbreviation (ea., ea, in, pr, etc.). 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.

h. Quantity Incorporated in Unit Indicates the quantity of the item used in the breakout shown on the illustration figure, which is prepared for a functional group, subfunctional group, or an assembly.

4. Special Information

The following publications pertain to the AN/FGA-10 and its components:
TM 11-5815-310-12, Control-Monitor Group AN/FGA-10

5. How to Locate Repair Parts

a. When National stock number or part number is unknown.

(1) **First.** Using the table of contents, determine the functional group within which the repair part belongs. This is necessary since illustrations are prepared for functional groups and listings are divided into the same groups.

(2) **Second.** Find the illustration covering the functional group to which the repair part belongs.

(3) **Third.** Identify the repair part on the illustration and note the illustration figure and item number of the repair part.

(4) **Fourth.** Using the Repair Parts Listing, find the figure and item number noted on the illustration.

b. When National stock number or part number is known.

(1) **First.** Using the Index of National Stock Numbers and Part Numbers, find the pertinent National stock number or part number. This index is in ascending NIIN sequence followed by a list of part numbers in ascending alphameric sequence, cross-referenced to the illustration figure number and item number.

(2) **Second.** After finding the figure and item number, locate the figure and item number in the repair parts list.

6. Abbreviations

Not applicable.

(Next printed page is 4)

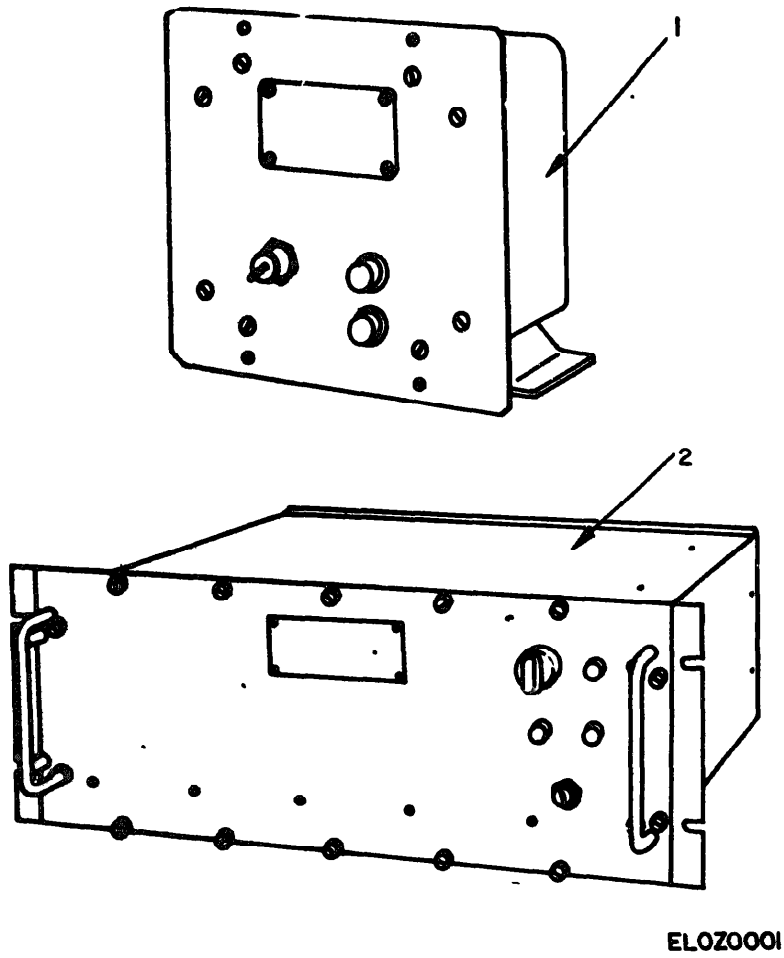


Figure 1. Control-Monitor Group AN/FGA-10.

SECTION II

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(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FROM	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
1	1	FDOBA	5815-00-999-7316	C4007FGA10	80058	GROUP 00 CONTROL-MONITOR GROUP AN/FGA-10 CONTROL, ALARM-MONITOR	EA	1
1	2	FDOBA	5815-00-999-7315	MX3945FGA10	80058	ALARM-MONITOR UNIT	EA	1

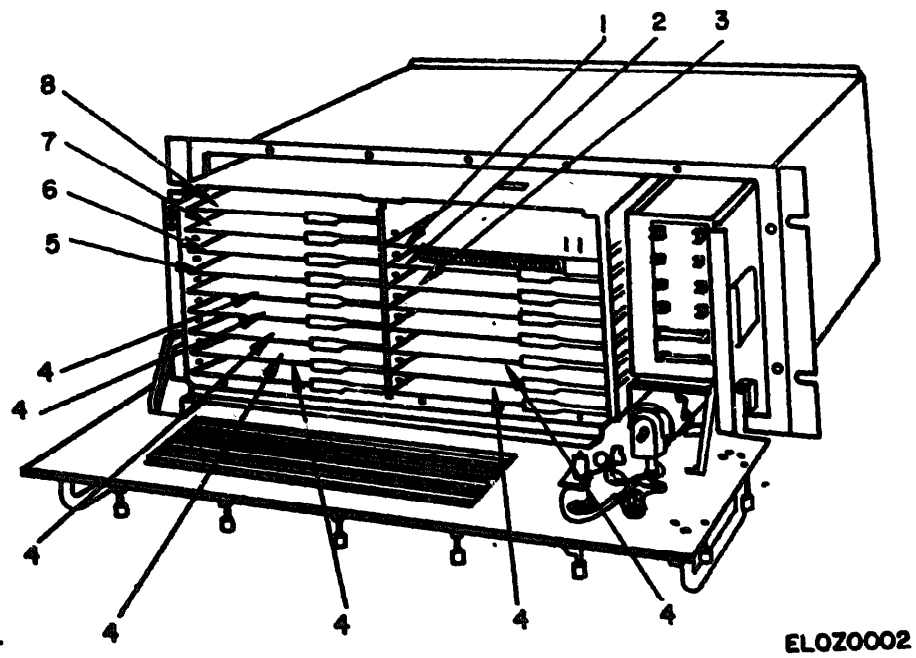


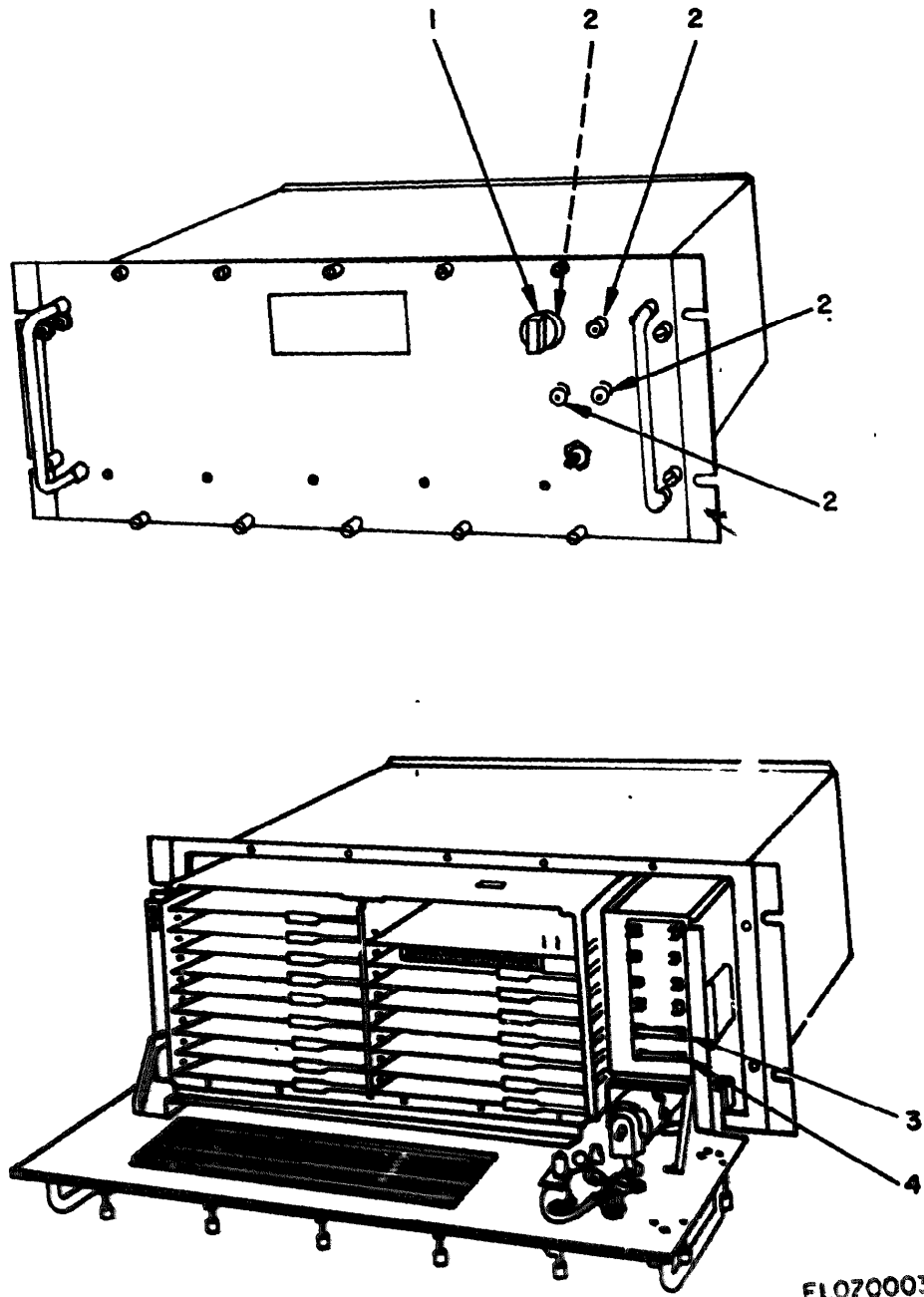
Figure 2. Alarm-Monitor Unit MX-3945/FGA-10.

SECTION II

TM 11-5815-310-20P

(1) ILLUSTRATION		(2) BAR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCN	(6) DESCRIPTION	(7) U/M	(8) QTY-INC IN LHM
(a) FIG NO.	(b) ITEM NO.					USABLE ON CODE		
GROUP 01 ALARM-MONITOR UNIT MX-3945/FGA-10								
2	1	PAGEH	5815-00-483-1518	90200006	96238	POWER SUPPLY	EA	1
2	2	PAGEH	5815-00-111-2792	80200070	96238	ALARM-MONITOR SUBASSEMBLY	EA	1
2	3	PAGEH	5815-00-111-2790	80200040	96238	ALARM-MONITOR SUBASSEMBLY	EA	1
2	4	PAGEH	5815-00-111-2789	80200080	96238	ALARM-MONITOR SUBASSEMBLY	EA	7
2	5	PAGEH	5815-00-111-2788	80200030	96238	ALARM-MONITOR SUBASSEMBLY	EA	1
2	6	PAGEH	5815-00-111-2787	80200020	96238	ALARM-MONITOR SUBASSEMBLY	EA	1
2	7	PAGEH	5815-00-111-2786	80200010	96238	ALARM-MONITOR SUBASSEMBLY	EA	1
2	8	PAGEH	5815-00-111-2785	80200090	96238	ALARM-MONITOR SUBASSEMBLY	EA	1

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FLO70003
Figure 3. Alarm-Monitor, Chassis Electrical Assembly 1A16.

SECTION II

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(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	QMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FROM	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
GROUP 0108 ALARM-MONITOR, CHASSIS ELECTRICAL ASSEMBLY 1A16								
3	1	PAGEZ	5920-00-295-9269	FO2B29073-16A8	81,349	FUSE, CARTRIDGE SELECT	EA	1
3	1	PAGEZ	5920-00-518-1790	FO2A29073-8A	81,349	FUSE, CARTRIDGE SELECT	EA	1
3	2	PAGEZ	6240-00-155-7836	ME25237-327	96906	LAMP, INCANDESCENT	EA	4
3	3	PAGEZ	5920-00-688-4086	FO2B29073-4A	81,349	FUSE, CARTRIDGE	EA	1
3	4	PAGEZ	5920-00-296-0451	FO2A29071-8A	81,349	FUSE, CARTRIDGE	EA	1

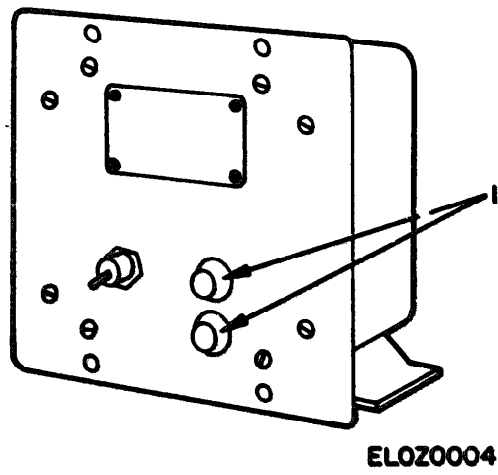


Figure 4. Control, Alarm-Monitor Unit C-4007/FGA-10.

SECTION II

TM 11-5815-310-20P

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	S&M CODE	NATIONAL STOCK NUMBER	PART NUMBER	FORM	DESCRIPTION	USABLE ON CODE	QTY INC IN UNIT
4	1	PAGEZ	6240-00-155-7836	MS25237-327	96906	GROUP 02 CONTROL, ALARM-MONITOR UNIT o-4007/FGA-10 LAMP, INCANDESCENT		EA 2

SECTION IV

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NATIONAL STOCK NUMBER AND PART NUMBER INDEX
NOTE: LATEST NATIONAL STOCK NUMBER ASSIGNMENTS ARE INCLUDED AT END OF INDEX

STOCK NUMBER	FIGURE NO.	ITEM NO.
5815-00-111-2785	2	8
5815-00-111-2786	2	7
5815-00-111-2787	2	6
5815-00-111-2788	2	5
5815-00-111-2789	2	4
5813-00-111-2790	2	3
5815-00-111-2792	2	2
6240-00-155-7836	3	2
6240-00-155-7836	4	1
5920-00-295-9269	3	1
5920-00-296-0451	3	4
5920-00-518-1790	3	1
5920-00-688-4086	3	3
5815-00-999-7315	1	2
5815-00-999-7316	1	1

PART NUMBER	FSCM	FIG. NO.	ITEM NO.
C4007FGA10	80058	1	1
FO2A250X1-8A	81349	3	4
FO2A250V3-8A	81349	3	1
FO3B250V3-4A	81349	3	3
FO3B250V3-16AS	81349	3	1
MS25237-327	96906	3	2
MS25237-327	96906	4	1
MX3945FGA10	80058	1	2
80200010	96238	2	7
80200020	96238	2	6
80200030	96238	2	5
80200040	96238	2	3
80200050	96238	2	8
80200070	96238	2	2
80200080	96238	2	4
90200006	96238	2	1

LATEST NATIONAL STOCK NUMBER ASSIGNMENTS

STOCK NUMBER	FIGURE NO.	ITEM NO.
5815-00-483-1518	2	1

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USAARMS (2)
USAIS (2)
USAES (2)
USAICS (3)
MAAG (1)
USARMIS (1)

Instl (2) except
Fort Gillem (10)
Fort Gordon (10)
Fort Huachuca (10)
Fort Carson (5)
Ft Richardson (ECOM) (2)
LBAD (14)
SAAD (30)
TOAD (14)
SHAD (3)

Sig FLDMS (1)
USAERDAA (1)
USAERDAW (1)

Units org under fol TOE:

(1 cy each unit)
11-75
11-85
11-97
11-98
11-117
11-127
11-137
11-302
11-327
11-345
11-357
11-500 (AA-AC)
29-134
29-136

NG: None

USAR: None

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

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL MANUALS



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DATE 10 July 1975

PUBLICATION NUMBER

TM 11-5840-340-12

DATE

23 Jan 74

TITLE

Radar Set AN/SPC-76

BE EXACT... PIN-POINT WHERE IT IS

IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:

PAGE NO.	PARA-GRAPH	FIGURE NO.	TABLE NO.
2-25	2-28		
3-10	3-3		3-1
5-6	5-8		
		FO3	

Recommend that the installation antenna alignment procedure be changed throughout to specify a 2° IFF antenna lag rather than 1°.

REASON: Experience has shown that with only a 1° lag, the antenna servo system is too sensitive to wind gusting in excess of 27 knots, and has a tendency to rapidly accelerate and decelerate as it hunts, causing strain to the drive train. Hunting is minimized by adjusting the lag to 2° without degradation of operation.

Item 5, Function column. Change "2 db" to "3db."

REASON: The adjustment procedure for the TRANS POWER FAULT indicator calls for a 3 db (500 watts) adjustment to light the TRANS POWER FAULT indicator.

Add new step f.1 to read, "Replace cover plate removed in step e.1, above."

REASON: To replace the cover plate.

Zone C 3. On J1-2, change "+24 VDC to "+5 VDC."

REASON: This is the output line of the 5 VDC power supply. + 24 VDC is the input voltage.

TYPED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER

SSG I. M. DeSpirito 999-1776

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SSG I. M. DeSpirito

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PAGE NO.

PARA-GRAPH

FIGURE NO.

TABLE NO.

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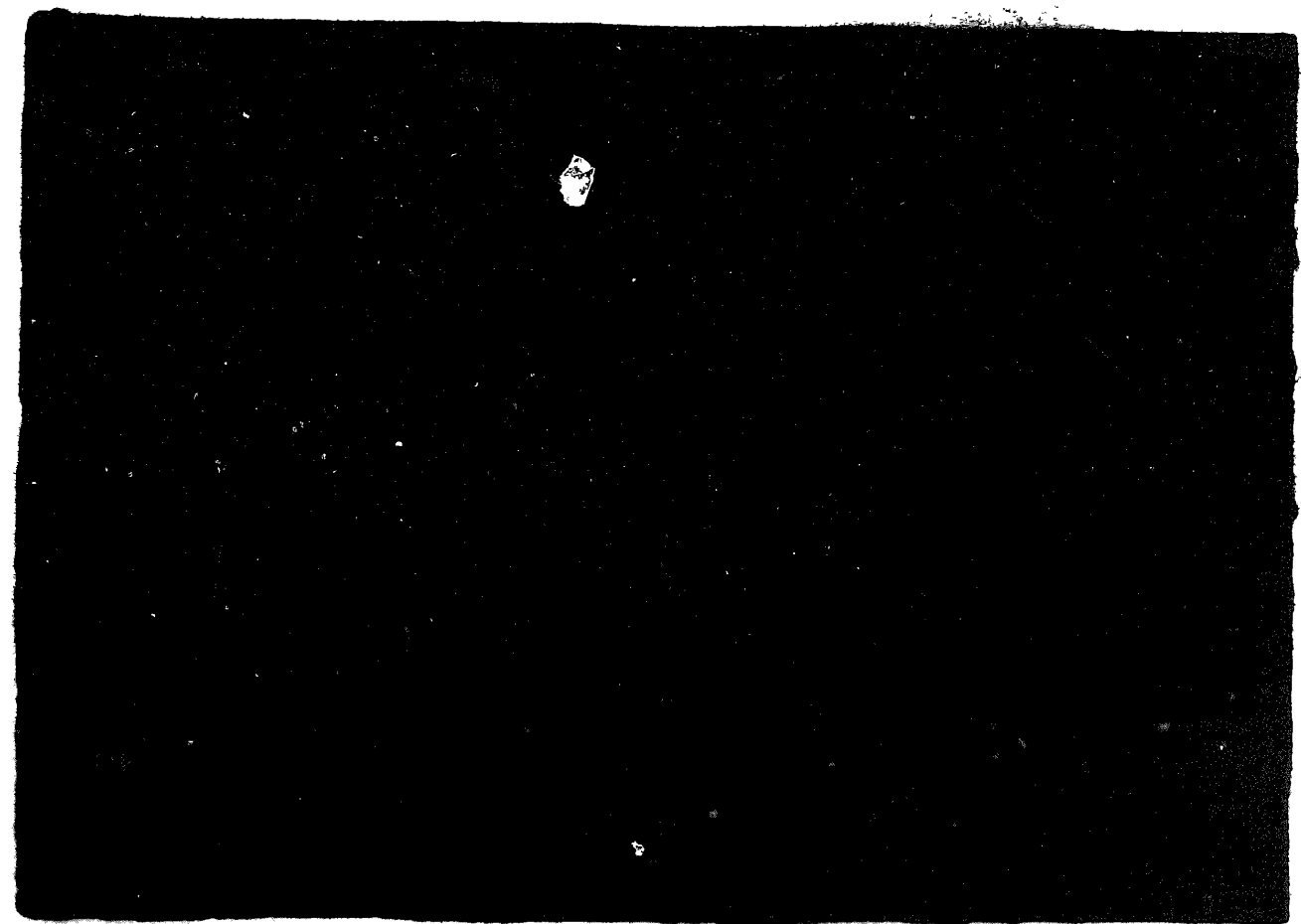


END

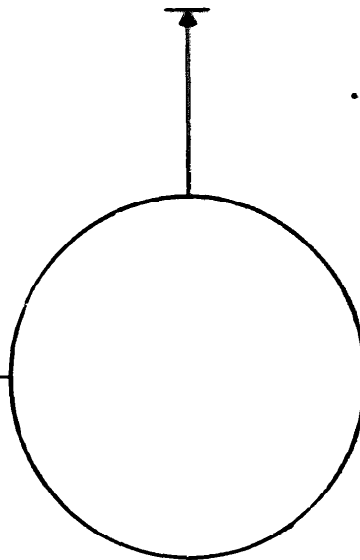
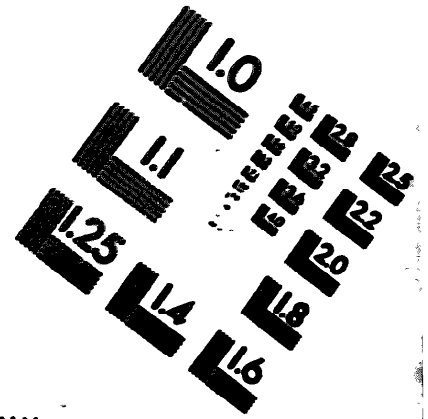
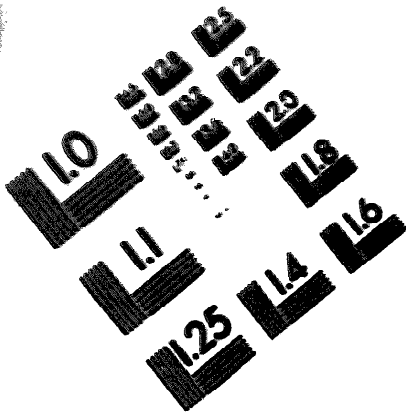
02-05-83

DATE





DEPARTMENT OF THE ARMY
MICROFORM
TEST TARGET



150 MM

1.0 mm (e= .81 mm)

ABCDEFGHIJKLMN OPQRSTUVWXYZ 1234567890
abcdefghijklmnopqrstuvwxyz \$%&'%# 1/2 1/4 —→ + x & @ *

1.5 mm (e= 1.09 mm)

ABCDEFGHIJKLMN OPQRSTUVWXYZ 1234567890
abcdefghijklmnopqrstuvwxyz \$%&'%# 1/2 1/4 —→ + x & @ *

2.0 mm (e= 1.37 mm)

ABCDEFGHIJKLMN OPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890 \$%&'%# 1/2 1/4 —→ + x & @ *

2.5 mm (e= 1.77 mm)

ABCDEFGHIJKLMN OPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890 \$%&'%# 1/2 1/4 —→ + x & @ *

1.0 mm (e= .81 mm)

ABCDEFGHIJKLMN OPQRSTUVWXYZ 1234567890
abcdefghijklmnopqrstuvwxyz \$%&'%# 1/2 1/4 —→ + x & @ *

1.5 mm (e= 1.09 mm)

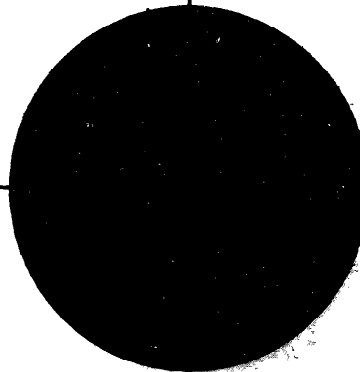
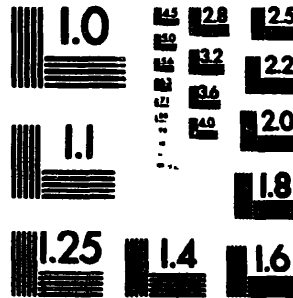
ABCDEFGHIJKLMN OPQRSTUVWXYZ 1234567890
abcdefghijklmnopqrstuvwxyz \$%&'%# 1/2 1/4 —→ + x & @ *

2.0 mm (e= 1.37 mm)

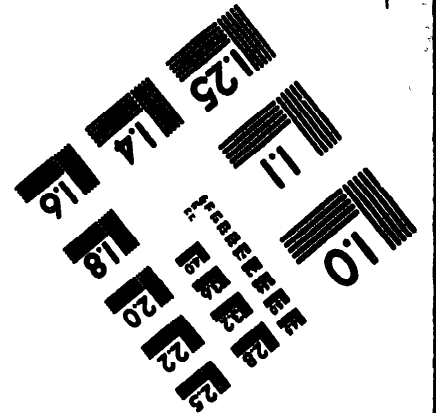
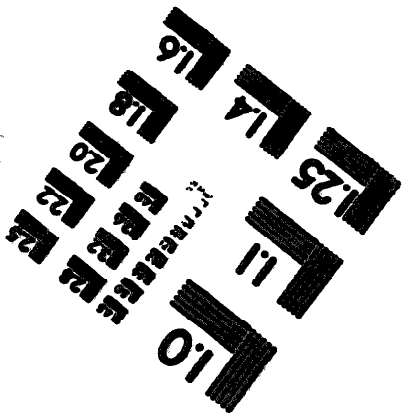
ABCDEFGHIJKLMN OPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890 \$%&'%# 1/2 1/4 —→ + x & @ *

2.5 mm (e= 1.77 mm)

ABCDEFGHIJKLMN OPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890 \$%&'%# 1/2 1/4 —→ + x & @ *



200 MM



250 MM