

TM 11-6675-287-20P

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**TECHNICAL MANUAL**

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

**VIEWER, STEREO SCOPIC ROLLFILM, PHOTOGRAPHIC INTERPRETATION AR-133A  
(NSN 6675-06-235-4506)**

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**HEADQUARTERS, DEPARTMENT OF THE ARMY**

**OCTOBER 1977**

TECHNICAL MANUAL }  
 No. 11-6675-287-20P }

HEADQUARTERS  
 DEPARTMENT OF THE ARMY  
 WASHINGTON, DC, 24 October 1977

**ORGANIZATIONAL MAINTENANCE REPAIR PARTS  
 AND SPECIAL TOOLS LISTS  
 VIEWER, STEREOSCOPIC ROLLFILM,  
 PHOTOGRAPHIC INTERPRETATION AR-133A  
 (NSN 6675-00-235-4506)**

*Current as of 18 July 1977*

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

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SECTION I  
INTRODUCTION

1. Scope

This manual lists spares and repair parts; special tools; special test, measurement, and diagnostic equipment (TMDE), and other special support equipment required for performance of organizational maintenance of the AR-133A. It authorizes the requisitioning and issue of spares and repair parts as indicated by the source and maintenance codes.

2. General

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

a. *Section II. Repair Parts List.* A list of spares and repair parts authorized for use in the performance of maintenance. The list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in numeric 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 National item identification number (NIIN) sequence, of all National stock numbers (NSN) appearing in the listings, followed by a list, in alphabetic sequence, of all part numbers appearing in the listings. National stock numbers and part numbers are cross-referenced to each illustration figure and item number appearance.

3. Explanation of Columns

a. *Illustration.* This column is divided as follows:

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

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

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

(1) *Source code.* Source codes 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.
XD	A support item that is not stocked. When

required, item will be procured through normal supply channels.

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) 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.

(b) 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:

<i>Code</i>	<i>Application/Explanation</i>
H	The lowest maintenance level capable of complete repair of the support item is the general support level.

D	The lowest maintenance level capable of complete repair of the support item is the depot level.
---	---

Z	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.
D	Reparable item. When beyond lower level

repair capability, return to depot. Condemnation and disposal not authorized below depot level.

c. *National Stock Number.* 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 stocked numbered item is requisitioned, the repair part received may have a different part number than the part being replaced.

e. *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 (UM).* 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 (e.g., 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

a. The following publication pertains to the AR-133A and its components:

TM 11-6675-287-12, Viewer, Stereoscopic Rollfilm, Photographic Interpretation AR/133A

b. The illustrations in this manual are identical to those published in TM 11-6675-287-34P. Only those parts assigned the third position SMR maintenance code "C" or "O" are listed in the tabular listing; therefore, there may be a break in the item number sequence. Only illustrations containing organizational authorized items appear in this manual.

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 item 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 item belongs.

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

(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.

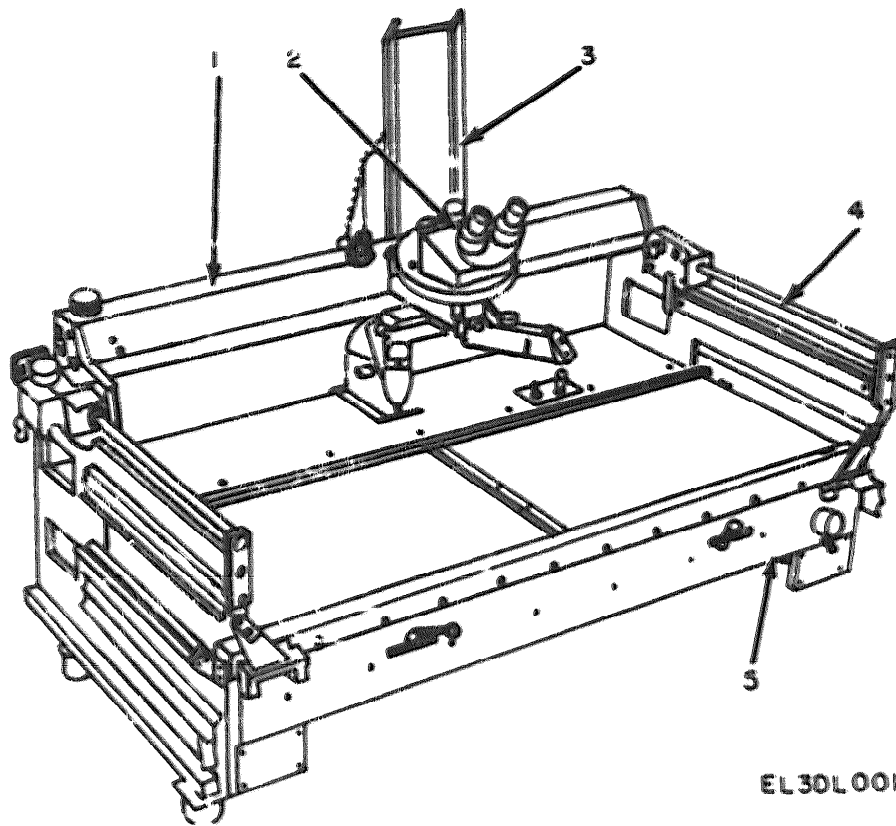
(1) *First.* Using the Index of National Stock Numbers and Part Numbers, find the pertinent National stock number or part number. This index is in NIIN sequence followed by a list of part numbers in alphameric sequence, cross-referenced to the illustration figure number and item number.

(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.)



EL30L001

Figure 1. Viewer, Stereoscopic Rollfilm, Photographic Interpretation AR-133A.

SECTION II

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ILLUSTRATION		SUPP CODE	NATIONAL STOCK NUMBER	PART NUMBER	FIGURE	DESCRIPTION	USABLE ON CODE	U/M	QTY INC IN UNIT
(a) FIG NO	(b) ITEM NO								
GROUP 40 VIEWER, STEREOSCOPIC ROLL FILM, PHOTOGRAPHIC									
INTERPRETATION AA-135A									
1	1	FIGURE	8885-40-432-2470	070021	07145	CARRIAGE ASSEMBLY, 1-TRAVEL		EA	1
1	2	FIGURE		080002	07145	VIEWER		EA	1
1	3	FIGURE		070770	07145	Z-TRAVEL CARRIAGE ASSEMBLY		EA	1
1	4	FIGURE	8885-40-432-2472	070022	07145	CARRIAGE ASSEMBLY		EA	1
1	5	FIGURE		070026	07145	LIGHT TABLE ASSEMBLY, 1-TRAVEL		EA	1

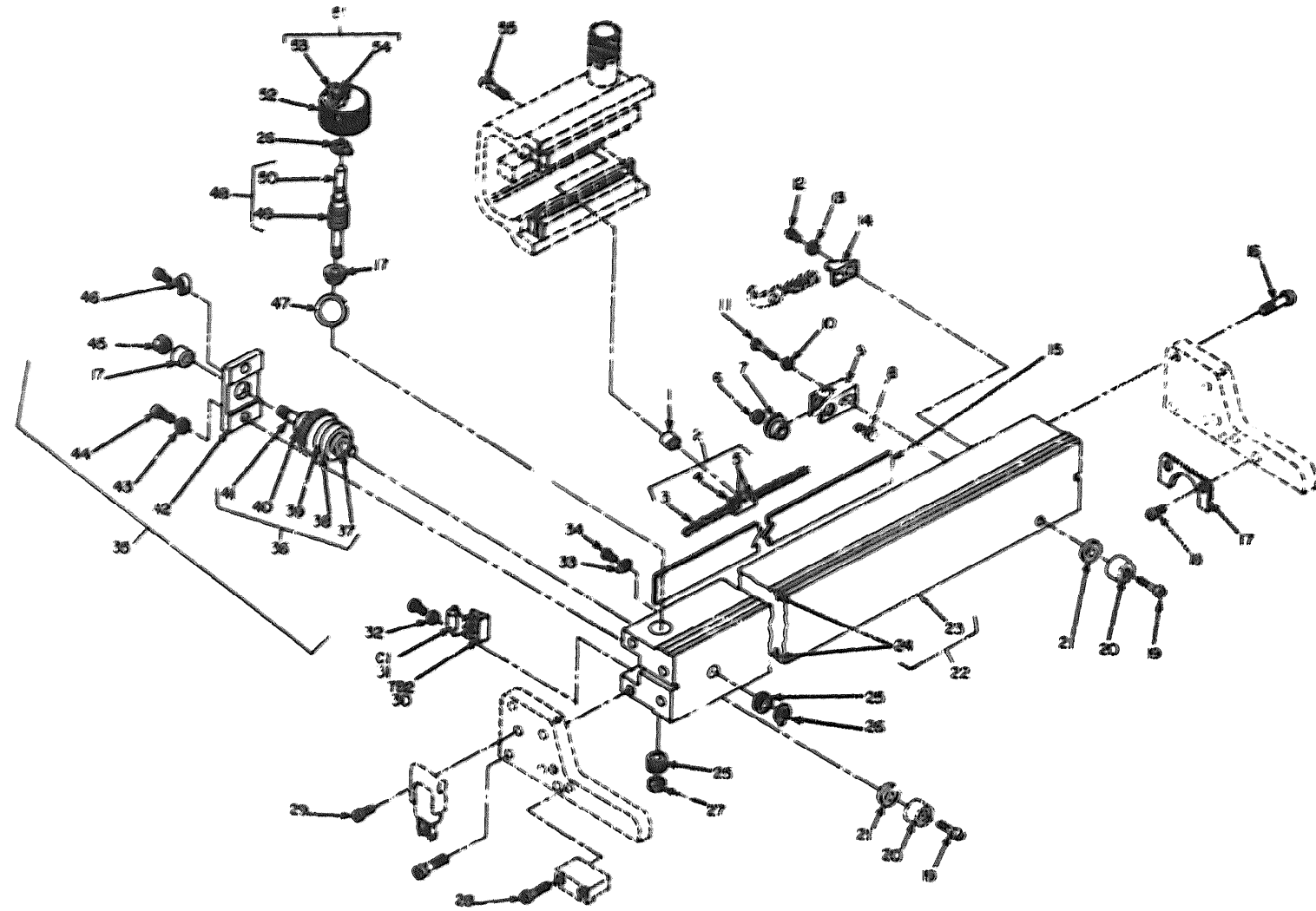


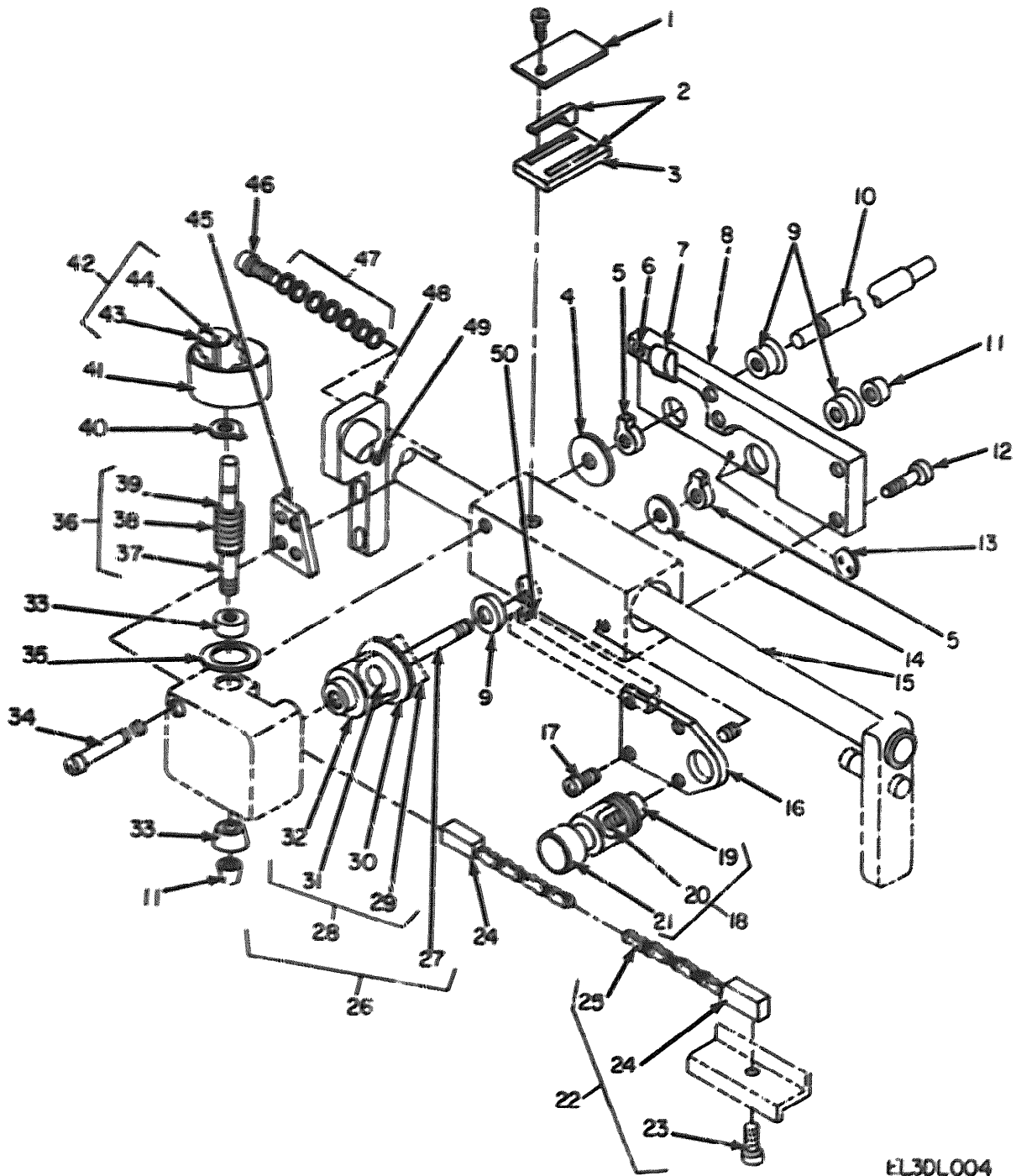
Figure 2. X-Travel Carriage Assembly.

SECTION II

TM 11-6675-287-20P

(a) ILLUSTRATION		(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
(a) FIG. NO.	(b) ITEM NO.	(c) LINE CODE	(d) NATIONAL STOCK NUMBER	(e) PART NUMBER	(f) FCOM	(g) USEABLE ON CODE	(h) DESCRIPTION	(i) QUANTITY UNIT	(j) QUANTITY UNIT
2	52	PA062	5385-00-419-1019	AT7765	02145	KNOB	GROUP OF X-TRAVEL CARRIAGE ASSEMBLY	EA	R





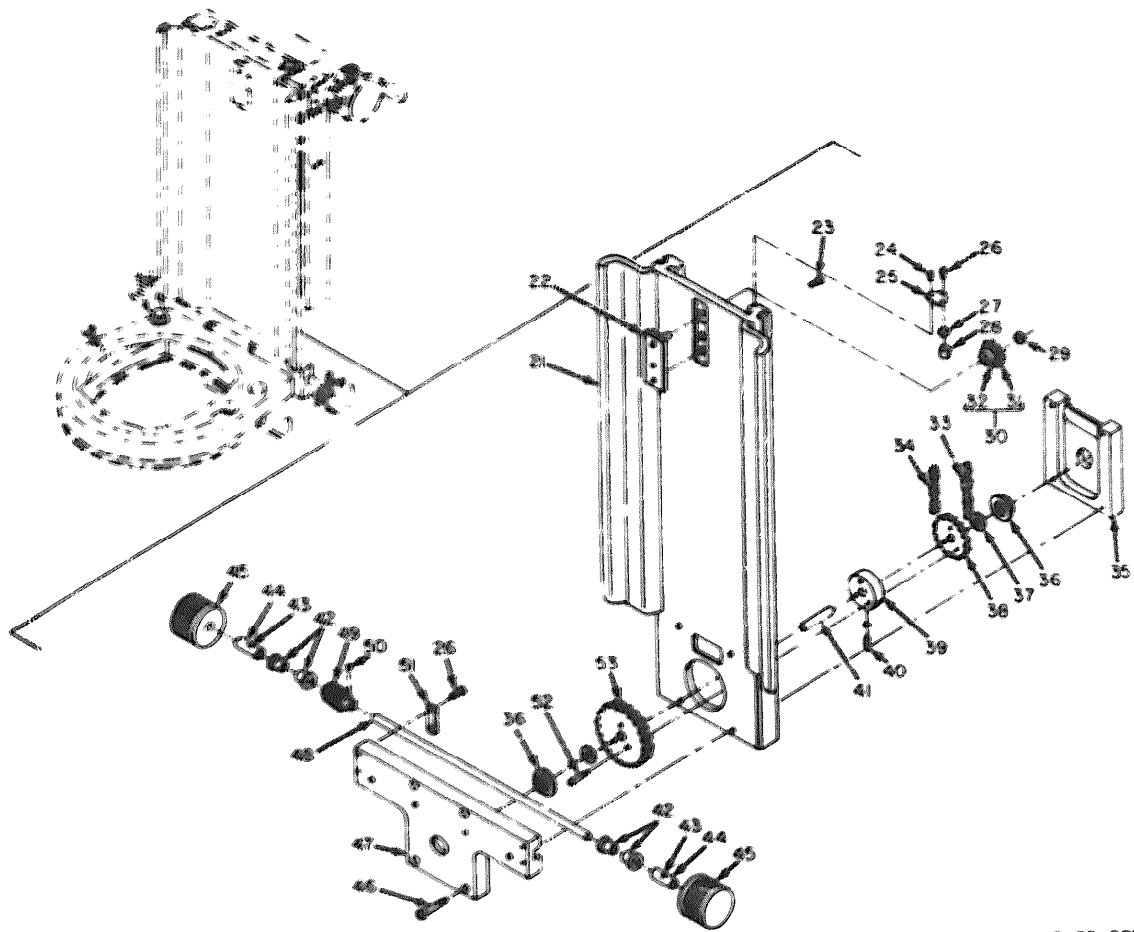
EL30L004

Figure 3. Y-Travel Carriage Assembly.

SECTION II

TM 11-6675-287-20P

QTY REQ	QTY INST	UNIT CODE	NATIONAL STOCK NUMBER	PART NUMBER	PCOM	DESCRIPTION	USABLE ON CODE	QTY REQ	QTY INST
GROUP 02 Y-TRAVEL CARRIAGE ASSEMBLY									
3	40	PAGEZ	5885-00-479-1079	417145	02145	1000	EA	1	



EL30L007

Figure 4. Z-Travel Carriage Assembly.

SECTION II

TM 11-6675-287-20P

(1) ILLUSTRATION		(2) SIGN CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FIGURE
(a) FIG NO.	(b) ITEM NO.				
4	45	PA022	5956-00-689-4224	HTW820	07186

(6) DESCRIPTION	(7) UNIQUE ID CODE	(8) QUANTITY	(9) UNIT
GROUP 03 Z-TRAVEL CARRIAGE ASSEMBLY		54	2

STOCK NUMBER	FIGURE NO.	ITEM NO.	STOCK NUMBER	FIGURE NO.	ITEM NO.
5366-00-419-1009	2	52	5335-00-431-8271	1	1
5355-00-419-1809	3	40	5355-889-4234	4	45
5935-00-432-2402	1	4			

PART NUMBER	FSCN	FIG. NO.	ITEM NO.	PART NUMBER	FSCN	FIG. NO.	ITEM NO.
817766	02145	2	52	016621	02145	1	1
807766	02145	3	40	817650	07666	4	45
016798	02145	1	3	816522	02145	1	4
026606	02145	1	5	81669120R2	80663	1	2

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL MANUALS



THEN... JOT DOWN THE DOPE ABOUT IT ON THIS FORM, TEAR IT OUT, FOLD IT AND DROP IT IN THE MAIL!

# SOMETHING WRONG WITH THIS MANUAL?

FROM: (YOUR UNIT'S COMPLETE ADDRESS)

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Stateside, N.J. 07703

DATE 10 July 1975

PUBLICATION NUMBER

TM 11-5840-340-12

DATE

23 Jan 74

TITLE

Radar Set AN/SPS-76

BE EXACT... PIN-POINT WHERE IT IS

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

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

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

REASON: To replace the cover plate.

F03

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

SIGN HERE:

*SSG I. M. DeSpirito*

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SHAD (3)  
USA Dep (1)  
Sig Sec USA Dep (1)  
Sig Dep (1)  
ATS (1)  
USAERDAA (1)  
USAERDAW (1)  
Sig FLDMS (1)

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1-129  
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6-575  
11-96  
11-127  
11-228  
11-237  
11-500(AA-AC)  
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31-105  
31-177  
51-1  
52-1

ARNG & USAR: None.

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

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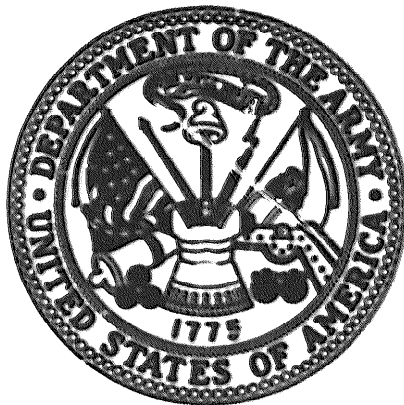
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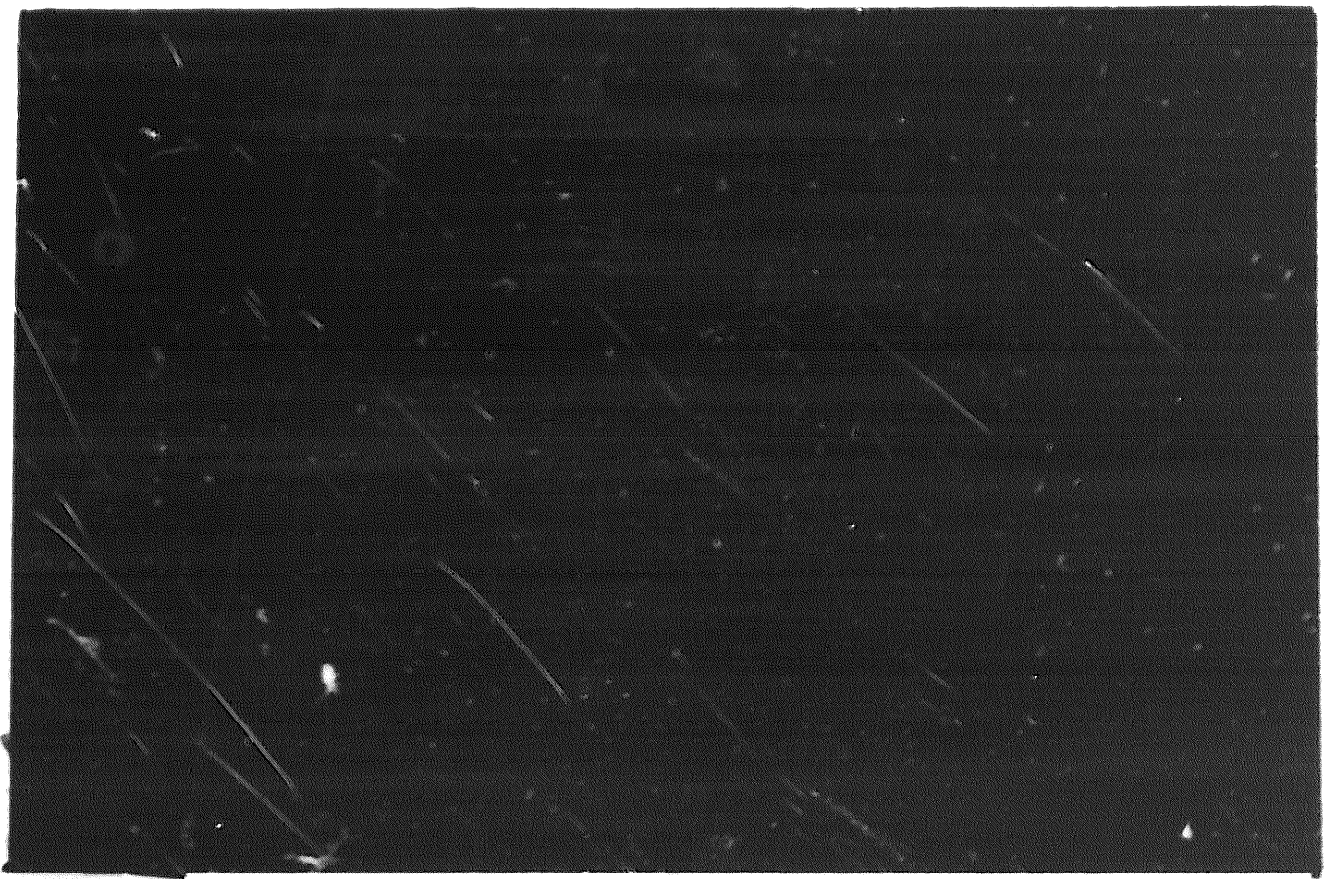


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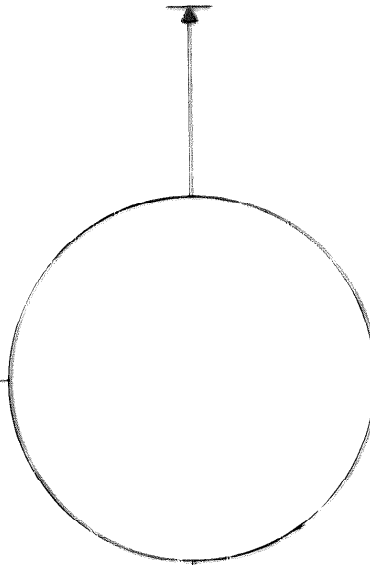
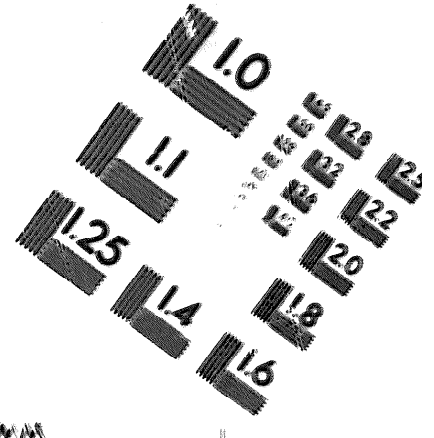
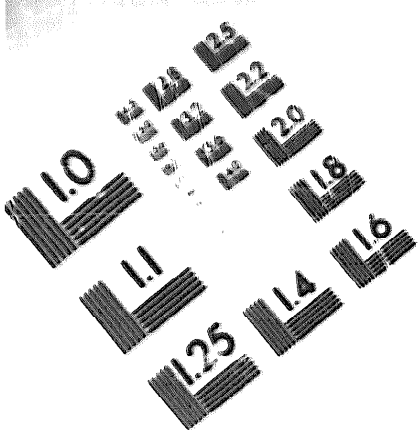
**03-20-83**

**DATE**





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MICROFORM  
TEST TARGET



150 MM

1.0 mm (ø = 81 mm)

ABCDEFGHIJKLMN OPQRSTU VWXYZ 1234567890  
abcdefghijklmnopqrstuvwxyz %& / ' / 1 / 2 / 4 / 8 / 16 / 32 / 64 / 128 / 256 / 512 / 1024 / 2048 / 4096

1.5 mm (ø = 1.09 mm)

ABCDEFGHIJKLMN OPQRSTU VWXYZ 1234567890  
abcdefghijklmnopqrstuvwxyz %& / ' / 1 / 2 / 4 / 8 / 16 / 32 / 64 / 128 / 256 / 512 / 1024 / 2048 / 4096

2.0 mm (ø = 1.37 mm)

ABCDEFGHIJKLMN OPQRSTU VWXYZ  
abcdefghijklmnopqrstuvwxyz  
1234567890 \$ % & / ' / 1 / 2 / 4 / 8 / 16 / 32 / 64 / 128 / 256 / 512 / 1024 / 2048 / 4096

2.5 mm (ø = 1.77 mm)

ABCDEFGHIJKLMN OPQRSTU VWXYZ  
abcdefghijklmnopqrstuvwxyz  
1234567890 \$ % & / ' / 1 / 2 / 4 / 8 / 16 / 32 / 64 / 128 / 256 / 512 / 1024 / 2048 / 4096

1.0 mm (ø = 81 mm)

ABCDEFGHIJKLMN OPQRSTU VWXYZ 1234567890  
abcdefghijklmnopqrstuvwxyz %& / ' / 1 / 2 / 4 / 8 / 16 / 32 / 64 / 128 / 256 / 512 / 1024 / 2048 / 4096

1.5 mm (ø = 1.09 mm)

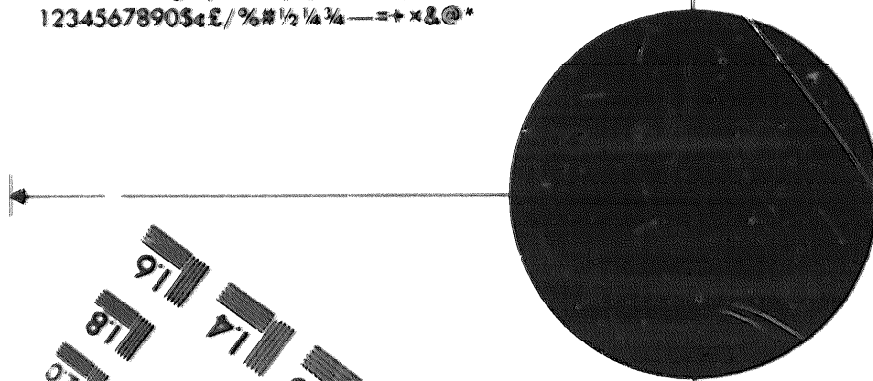
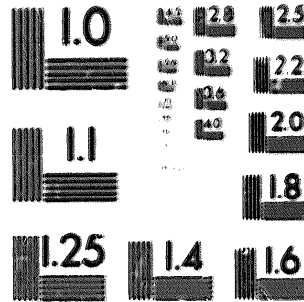
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abcdefghijklmnopqrstuvwxyz %& / ' / 1 / 2 / 4 / 8 / 16 / 32 / 64 / 128 / 256 / 512 / 1024 / 2048 / 4096

2.0 mm (ø = 1.37 mm)

ABCDEFGHIJKLMN OPQRSTU VWXYZ  
abcdefghijklmnopqrstuvwxyz  
1234567890 \$ % & / ' / 1 / 2 / 4 / 8 / 16 / 32 / 64 / 128 / 256 / 512 / 1024 / 2048 / 4096

2.5 mm (ø = 1.77 mm)

ABCDEFGHIJKLMN OPQRSTU VWXYZ  
abcdefghijklmnopqrstuvwxyz  
1234567890 \$ % & / ' / 1 / 2 / 4 / 8 / 16 / 32 / 64 / 128 / 256 / 512 / 1024 / 2048 / 4096



200 MM

250 MM

