

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

ORGANIZATIONAL MAINTENANCE REPAIR PARTS  
AND SPECIAL TOOLS LISTS  
CALIBRATOR SET, RANGE AN/USM-115  
FSN 6625-987-9612

Headquarters, Department of the Army, Washington, DC  
29 November 1974

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\*This manual supersedes TM 11-6625-565-20P,23 July 1964

# SECTION I INTRODUCTION

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## 1-1. Scope

This manual lists repair parts and special tools required for the performance of organizational maintenance of the AN/USM-115. The PCCN for the AN/USM-115 is GTEAEU 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. Index -Federal Stock Number and Reference Number Cross-Reference to Figure and Item Number-Section V. A list, in ascending numerical sequence, of all Federal stock numbers appearing in the listings, followed by a list, in alphanumeric 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 in the tabular lists:

*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	<i>Explanation</i>
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.

<i>Code</i>	<i>Explanation</i>
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.
KB	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, Weld service drawing, that is identified by manufacturers' part number.
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, <b>replaced, used at the direct support maintenance</b> 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 maintenance 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 assigned by the service(s) that require**

the 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 <b>support</b> item is direct support
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.

Code	Application/Explanation
L -	Repair restricted to designated Specialized Repair Activity.
Z -	Non-repairable. No repair is authorized.
B -	<b>No repair is authorized. The item may be reconditioned by adjusting, lubricating, etc., at the user level.</b> 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 -	<b>Nonrepairable</b> 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.

**NOTE**

To convert a Federal stock number to a National stock number (NSN), add "00" after the Federal Stock Classification (FSC) code (first four digits) For example, FSN 6625-533-0142 when converted is NSN 6625-00-553-0142.

**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. Subsequent appearances of the same item in the same assembly are indicated by the letters "REF".

*f. 15-Day Organizational Maintenance Allowance.*

(1) The repair parts indicated by an asterisk in the allowance column represent those authorized for use as the organizational category, and will be requisitioned on an "as required" basis, until stockage is based on demand in accordance with AR 710-2.

(2) Major Army commanders are authorized to approve reduction in the range of support items authorized for use in units within their commands. Recommendations for increase in range of items authorized for use will be forwarded to Commander, US Army Electronics Command, ATTN: AMSEL-MA-CRA, Fort Monmouth, NJ 07703. Any changes approved will be reflected in a revision to the RPSTL.

(3) Allowance quantities are indicated in the special tools list section for special tools, TMDE, and other equipment.

*g. 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 11-6625-565-15.

(2) *Item number.* Indicates the item number or reference designation used to reference the item in the illustration.

#### 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:

<i>Code</i>	<i>Used on</i>
BAW	AN/USM-115

b. The following publication pertains to the AN/USM-115 and its components:

TM 11-6225-565-15

Operator, Organizational  
Field and Depot Maintenance Manual: Range  
Calibrator Set AN/USM-  
115.

#### 1-5. Location of Repair Parts

a This manual contains one cross-reference index (see V) 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 (see V) 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 III) and locate the figure number (col 7a) and item number or reference designation (col 7b) as noted in the FSN index.

c. When the figure and item number or reference designation are known, scrutinize columns 7a and 7b of the repair parts list (sec III) until the item is located.

d. When the FSN, reference number, figure number, item number and reference designation are not known, scrutinize column 3 of the repair parts list (sec III), 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 Blank Forms) and forwarded direct to Commander, US Army Electronics Command, ATTN: AMSEL-MA-CRA, Fort Monmouth, NJ 07703.

(Next printed page is 6)

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE      USABLE ON CODE		(4) UNIT OF MEAS	(5) QTY. INC IN UNIT	(6) 15-DAY ORGANIZATIONAL MAINTENANCE ALV				(7) ILLUSTRATION	
						(a)	(b)	(c)	(d)	(e)	(f)
						1-5	6-20	21-50	51-100	FIGURE NO.	ITEM NO.
PAQZZ	5955-084-8498	CRYSTAL UNIT, QUARTZ 1Y1 . . . . .		EA	1	*	*	*	*	6-15	1Y1
XDOHD		8240384 (13016)		EA	1	*	*	*	*	1-3	2E1
PAQHD	5841-085-4018	EXTENDER, TEST 2E1 . . . . .		EA	1	*	*	*	*	1-3	2E2
PAQHD	6625-085-4019	84000011 (13016)		EA	1	*	*	*	*	1-3	2E3
PACZZ	5920-284-9493	EXTENDER, TEST 2E2 . . . . .		EA	1	*	*	*	*	1-3	2E3
PACZZ	5920-284-9493	84000021 (13016)		EA	1	*	*	*	*	1-3	2E3
PACZZ	5920-284-9493	EXTENDER, TEST 2E3 . . . . .		EA	1	*	*	*	*	1-3	2E3
PACZZ	5920-280-4465	84000022 (13016)		EA	1	*	*	*	*	1-3	2E3
PACZZ	5920-284-9493	FUSE, CARTRIDGE 1F3 1/8 AMP 250 VDC . . . . .		EA	2	*	*	*	*	6-14	1F3
PACZZ	5920-284-9493	F02A25OV1-8AS (81349)		EA	REF	*	*	*	*	6-14	1F4
PACZZ	5920-280-4465	FUSE, CARTRIDGE 1F4 1/8 AMP 250 VDC . . . . .		EA	2	*	*	*	*	6-14	1F1
PACZZ	5920-280-4465	F02A25OV1-8AS (81349)		EA	REF	*	*	*	*	6-14	1F2
PAQZZ	5355-680-1357	FUSE, CARTRIDGE 1F2 1 AMP 250 VDC . . . . .		EA	REF	*	*	*	*	6-14	1F2
PAQZZ	5355-680-1357	F02A25OV1AS (81349)		EA	7	*	*	*	*		1MP5
PAQZZ	5355-680-1357	KNOB 1MP5 BLACK PLASTIC RD W/SKIRT SETSCREW. TYPE ARROW MARKING ACCOM 0.25 IN. SHAFT KS91528-1F2B (96906)		EA	REF	*	*	*	*		1MP6
PAQZZ	5355-680-1357	KNOB 1MP6 BLACK PLASTIC RD W/SKIRT SETSCREW. TYPE ARROW MARKING ACCOM 0.25 IN. SHAFT MS91528-1F2B (96906)		EA	REF	*	*	*	*		1MP7
PAQZZ	5355-680-1357	KNOB 1MP7 BLACK PLASTIC RD W/SKIRT SETSCREW. TYPE ARROW MARKING ACCOM 0.25 IN. SHAFT MS91528-1F2B (96906)		EA	REF	*	*	*	*		1MP8
PAQZZ	5355-680-1357	KNOB 1MP8 BLACK PLASTIC RD W/SKIRT SETSCREW. TYPE ARROW MARKING ACCOM 0.25 IN. SHAFT MS91528-1F2B (96906)		EA	REF	*	*	*	*		1MP9
PAQZZ	5355-680-1357	KNOB 1MP9 BLACK PLASTIC RD W/SKIRT SETSCREW. TYPE ARROW MARKING ACCOM 0.25 IN. SHAFT MS91528-1F2B (96906)		EA	REF	*	*	*	*		1MP9
PAQZZ	5355-680-1357	KNOB 1MP10 BLACK PLASTIC RD W/SKIRT SETSCREW TYPE ARROW MARKING ACCOM 0.25 IN. SHAFT NS91528-1F2B (96906)		EA	REF	*	*	*	*		
PAQZZ	5355-680-1357	KNOB 1MP11 BLACK PLASTIC RD W/SKIRT SETSCREW TYPE ARROW MARKING ACCOM 0.25 IN. SHAFT MS91528-1F2B (96906)		EA	REF	*	*	*	*		
PAQZZ	5355-619-4668	KNOB 1MP12 PLASTIC RD SETSCREW TYPE M/D.... MARKING ACCOM 0.25 IN. SHAFT MS91528-2N2D (96906)		EA	4	*	*	*	*		
PAQZZ	5355-619-4668	KNOB 1MP13 PLASTIC RD SETSCREW TYPE M/D.... MARKING ACCOM 0.25 IN. SHAFT MS91528-2N2D (96906)		EA	REF	*	*	*	*		
PAQZZ	5355-619-4668	KNOB 1MP14 BLACK PLASTIC RD SETSCREW TYPE M/D.... MARKING ACCOM 0.25 IN. SHAFT MS91528-2N2D (96906)		EA	REF	*	*	*	*		
PAQZZ	5355-619-4668	KNOB 1MP15 PLASTIC RD SETSCREW TYPE M/D.... MARKING ACCOM 0.25 IN. SHAFT MS91528-2N2D (96906)		EA	REF	*	*	*	*		
PACZZ	6240-223-9100	LAMP, GLOW 1D51 . . . . .		EA	1	*	*	*	*		
XDOZZ		NE51 (81349)		EA	1	*	*	*	*		
		ELECTRON TUBE 1A10V1 . . . . .		EA	1	*	*	*	*		
		BX4000 (09975)									

SECTION V

TM11-6625-565-20P

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.
5355-619-4668			5920-280-4465	6-14	1F2
5355-680-1357			5920-284-9493	6-14	1F3
5355-680-1357		1MP5	5920-284-9493	6-14	1F4
5355-680-1357		1MP6	5955-384-8496	6-15	1Y1
5355-680-1357		1MP7			
5355-680-1357		1MP8	6240-223-9100	6-14	1DS1
5355-680-1357		1MP9	6625-085-4019	1-3	2E3
5841-085-4018	1-3	2E2			
5920-280-4465	6-14	1F1			

REFERENCE NO.	MFR CODE	FIG. NO.	ITEM NO.	REFERENCE NO.	WFP CODE	FIG. NO.	ITEM NO.
BX4000	09975	5-9		MS91528-1F2B	96906		1MP7
B240384	13016	6-15	1Y1	MS91528-1F2B	96906		1MP8
F02A250V1-8A5	81349	6-14	1F3	MS91528-1F2B	96906		1MP9
F02A250V1-8A5	81349	6-14	1F4	MS91528-2N2D	96906		
F02A250V1AS	81349	6-14	1F1	NE51	81349	6-14	1DS1
F02A250V1AS	81349	6-14	1F2	84000011	13016	1-3	
MS91528-1F2B	96906			84000021	13016	1-3	2E2
MS91528-1F2B	96906		1MP5	84000022	13016	1-3	2E3
MS91528-1F2B	96906		1MP6				

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  SAAD (30)  
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  TOAD (14)  
  ATAD (10)  
USA Dep (2)  
Sig Sec USA Dep (2)  
Sig Dep (2)  
ATS (1)  
MAAG (1)  
USARMIS (1)  
USAERDAA (1)  
USAERDAW (1)  
Sig FLDMS (1)  
Ft Richardson (ECOM Ofc) (2)  
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  11-16  
  11-97  
  11-98  
  11-117  
  11-500(AA-AC)

ARNG & USAR: None.

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

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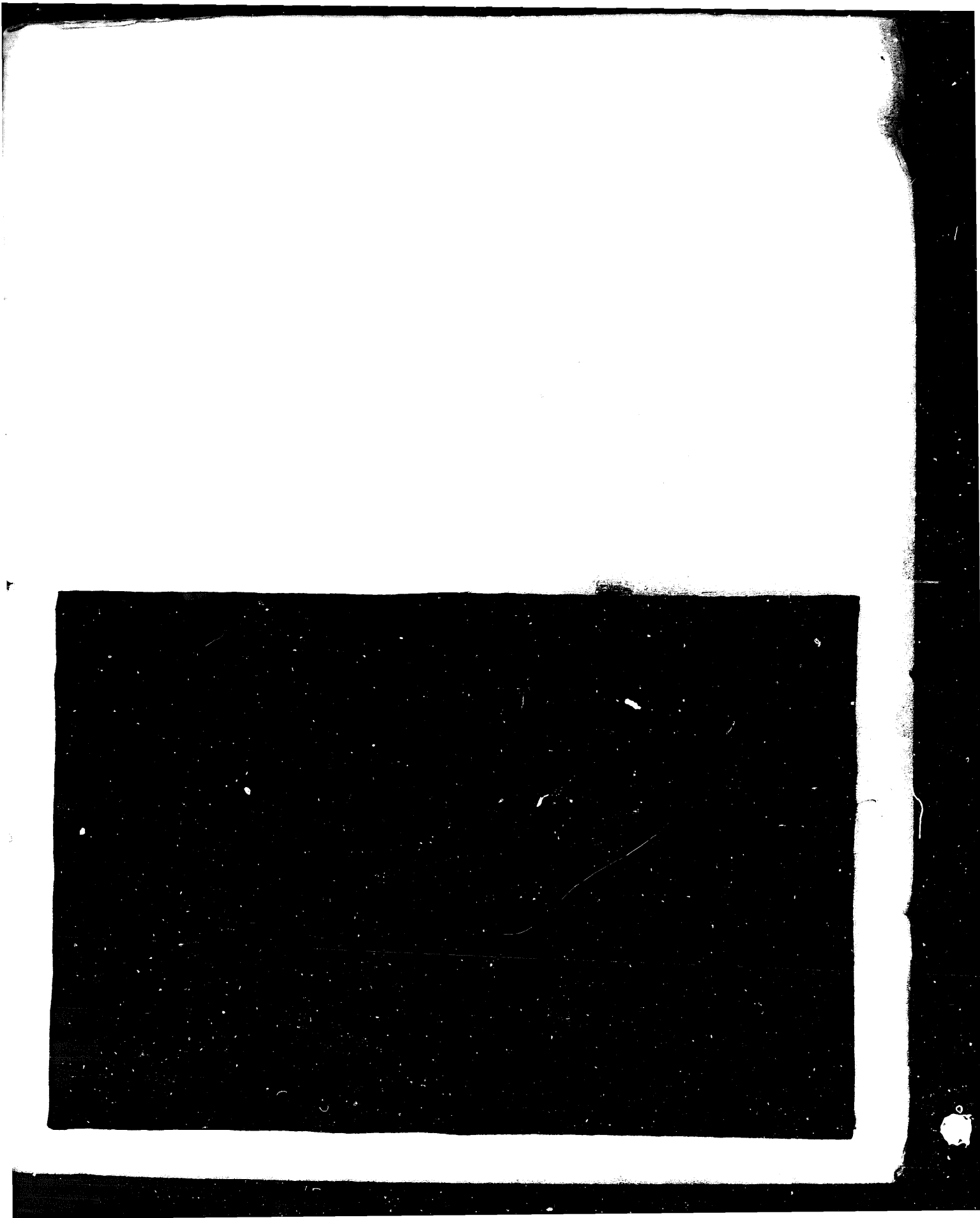
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MICROFORM  
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