#### **TECHNICAL MANUAL**

#### **ORGANIZATIONAL MAINTENANCE**

**REPAIR PARTS AND SPECIAL TOOLS LISTS** 

**FOR** 

PROJECTION SET, MOTION PICTURE, SOUND

AS-25A (NSN 6730-00-089-7944)

**AND** 

**AS-25A1 (NSN 6730-00-168-3276)** 

**HEADQUARTERS, DEPARTMENT OF THE ARMY** 

**NOVEMBER 1978** 

TECHNICAL MANUAL No. 11-6730-230-20P

## HEADQUARTERS DEPARTMENT OF THE ARMY WASHINGTON, DC, 27 November 1978

# ORGANIZATIONAL MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LISTS FOR PROJECTION SET, MOTION PICTURE, SOUND AS-25A1 (NSN 6730-00-089-7944) AND AS-25A1 (NSN 6730-00-168-3276)

Current as of 2 June 1978

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

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<sup>\*</sup>This manual supersedes so much of TM 11-6730-230-12 4 April 1968, including all changes, as pertains to repair parts and special tools list.

### SECTION I

#### 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 AS25A and AS-25A1. 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 alphanumeric sequence, of all part numbers appearing in the listings. National stock numbers and par 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:

Code Definition

- 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:

Code Application Explanation

- 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:

#### Code Application Explanation

- F The lowest maintenance level capable of complete repair of the support item is the direct support level.
- 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:

Recoverability

codes Definition

- Nonreparable item. When unserviceable, condemn and dispose at the level indicated in position 3.
- F Reparable item. When uneconomically reparable, condemn and dispose at the direct support level.
- H Reparable item. When uneconomically reparable, condemn and dispose at the general support 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 stock 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 (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 (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. Usable on codes are shown in the description column. Uncoded items are applicable to all models. Identification of the usable on codes us in this publication are:

Code	<i>Used</i> on
2GW	AS-25A
ATN	AS-25A1

b. The illustrations in this manual are identical to those published in TM 11-6730-230-34P. 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.

- *c.* The following publication pertains to the AS-25A and AS-25A1 and its components:
- TM 11-6730-230-12, Projection Set, Motion Picture Sound AS-25A; Projector, Motion Picture Sound AS-25A1 (Sound Motion Picture Projection Set Graflex Model 920EX); and Projection Set, Motion Picture Sound AS-25A3 (Sound Motion Picture Projection Set Graflex Model 1015AR)

#### 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 alphanumeric 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)

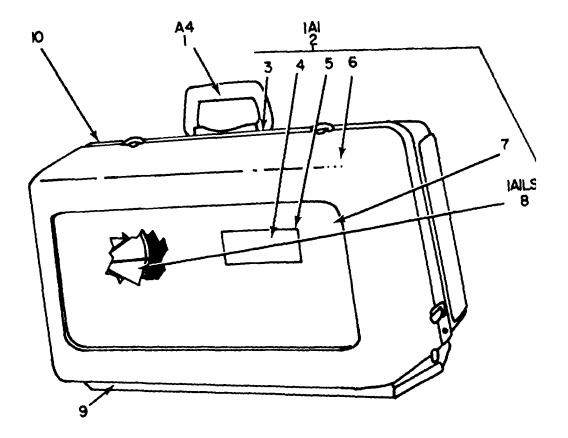


Figure 1. Projection Set, Motion Picture, Sound AS-25A1.

(a) FIG NO.	ATION (b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4)	(5) PART NUMBER	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN
1	2	XDOHH		25734	39047G2	GROUP 00 PROJECTION SET, MOTION PICTURE, SOUND AS-25A1 COVER ASSY		UNIT 1
					3			

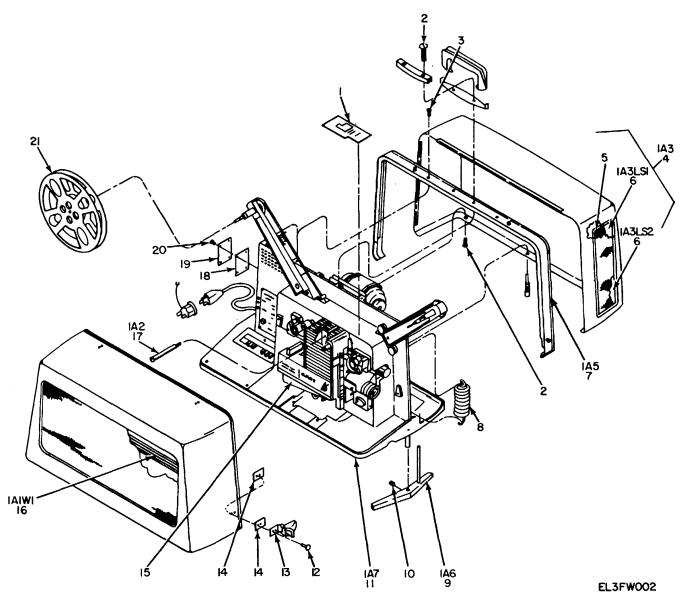
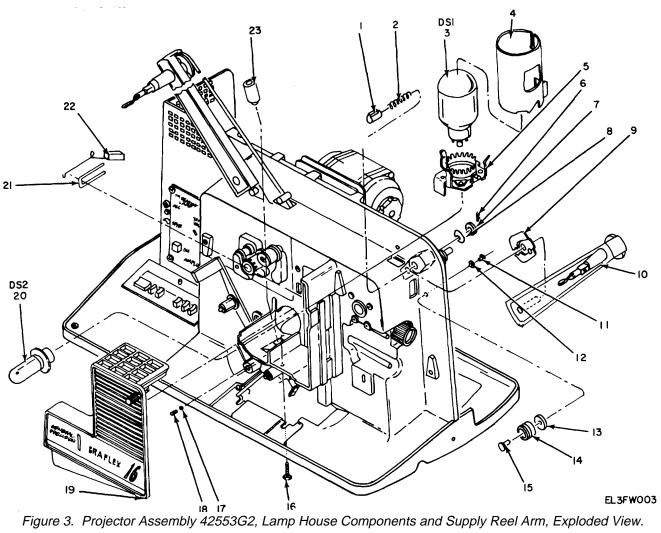


Figure 2. Projection Set, Motion Picture, Sound AS-25A1, Exploded view.

ILLUST	1) RATION	(2)	(3)	(4)	(5)	(6) Description	(7)	
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
				25734 25734 257341 94910		PROJECTOR ASSY ATN COVER ATN SCREW, SPECIAL ATN REEL, FILM ATN		IN



(ILLUSTI	1) RATION	(2)	(3)	(4)	(5)	(6) Description	(7)	(8)
(a) FIG NO.	(b) ITEM NO.		NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
3 3	3 20	PAOZZ PAOZZ	6240-00-069-3505 6240-00-155-7777	25734 25734	38170P2 38386P2	GROUP 01 PROJECTOR ASSEMBLY 42553G2  LAMP, PROJECTOR	EA EA	1

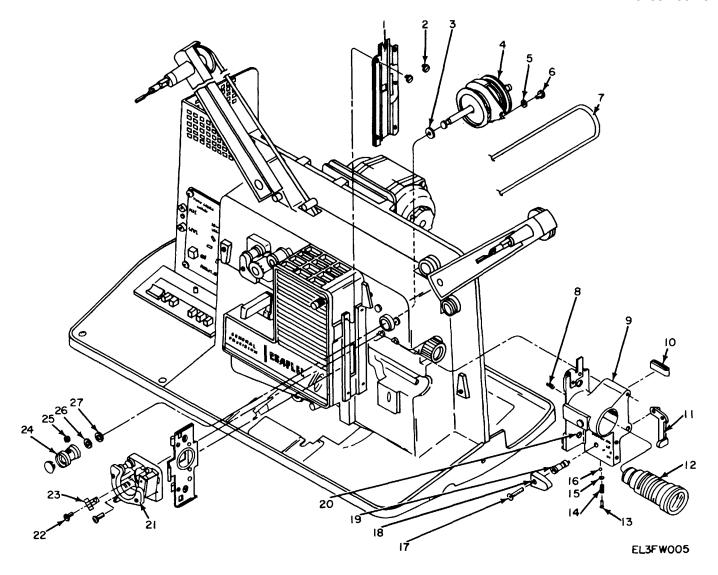


Figure 4. Projector Assembly 42553G2, Film Feed and Film Gate Mechanism, Exploded View.

ILLUSTI		(2)	(3)	(4)	(5)	(6) Description	(7)	
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
4 4	7 12	PAOZZ PAOZZ	3030-00-089-7872 6760-00-230-8411	25734 25734	39211P2 39486P1 <b>11</b>	BELT, SUPPLY REEL	EA EA	1

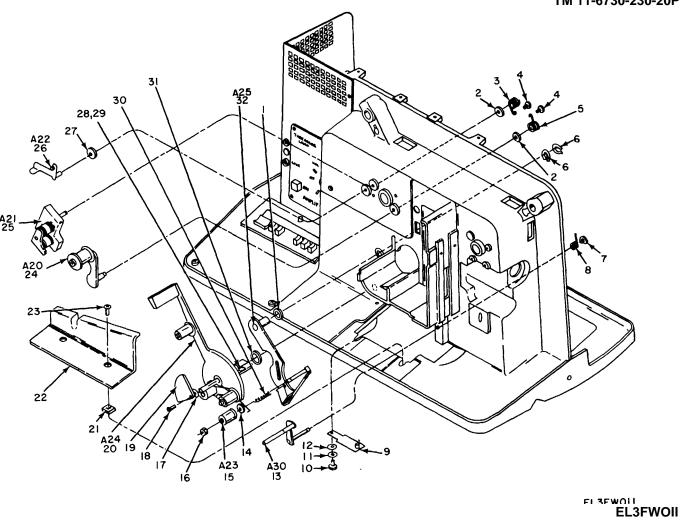


FIGURE 5. PROJECTOR ASSEMBLY 42552G2, Threading Control Arm, Pressure roller arm and takeup Shoe, Exploded View

(a) FIG	(1) RATION (b) ITEM	(2)	(3)  NATIONAL  STOCK	(4)	(5)	(6) DESCRIPTION USABLE ON CODE		(8) QTY INC
<b>NO</b> .	NO. 21	PAOZZ	NUMBER 5310-00-413-3033	78553	NUMBER C9031-6Z4	NUT, STAMPEDATN	U/M EA	UNIT
					13			

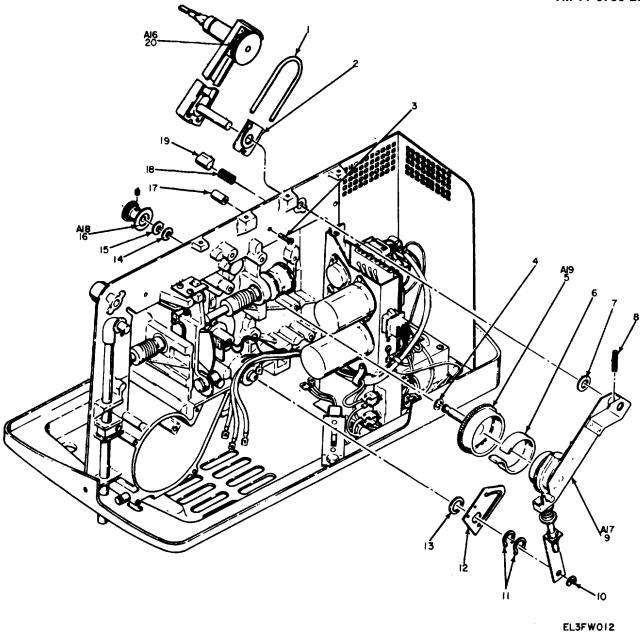
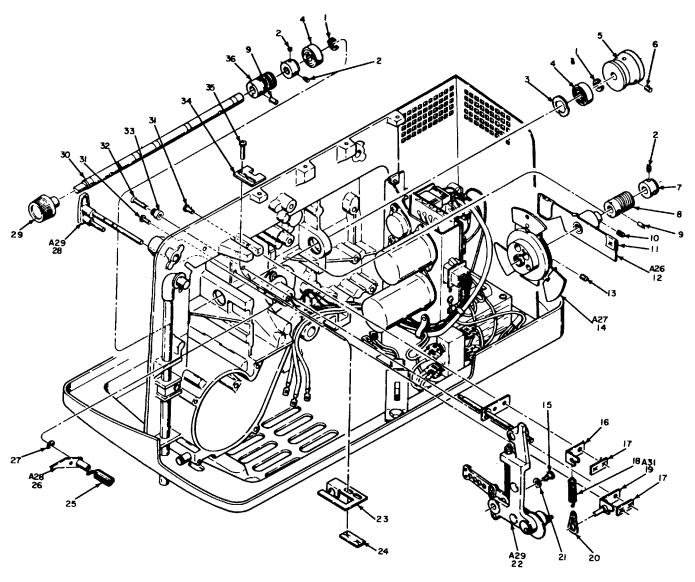


Figure 6. Projector Assembly 42553G2, Takeup Mechanism and Reel Arm, Exploded View.

ILLUST		(2)	(3)	(4)	(5)	(6) Description		
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART Number	USABLE ON CODE	U/M	QTY INC IN UNIT
6	1	PAOZZ	3030-00-089-7871	25734	39211P1	BELT, REEL ATN	ΕA	1
					15			



EL3FWO14

Figure 7. Projector Assembly 42553G2, Drive Shaft Components and Claw Arm, Exploded View

(ILLUST	(1) RATION	(2)	(3)	(4)	(5)	(6) Description		(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
7	29	XDOZZ		25734	38184P1 <b>17</b>	KNOB, INCHING ATN	EA	1

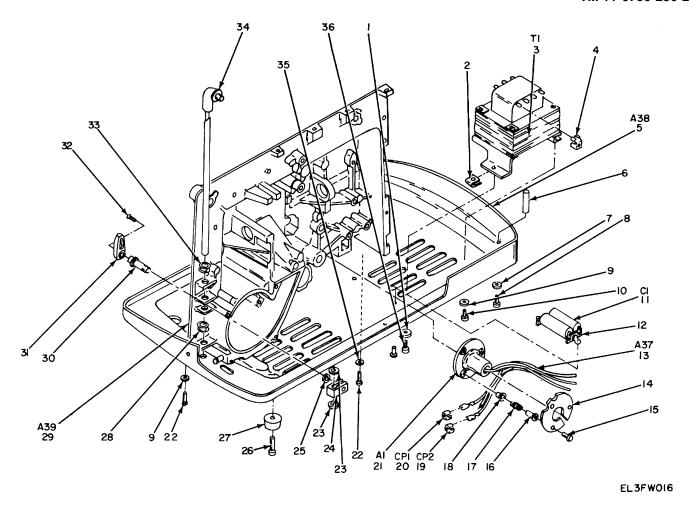


Figure 8. Projector Assembly 42553G2, Exciter Lamp Socket, Transformer and Base Details, Exploded View.

(a)	(1) RATION (b)	(2)	(3) NATIONAL	(4)	(5)	(6) DESCRIP	TION	(7)	QTY
FIG NO.	ITEM NO.	SMR CODE	STOCK NUMBER	FSCM	PART NUMBER		USABLE ON CODE	U/M	INC IN UNIT
8 8	26 27	XDOZZ PAOZZ	5340-00-995-8329	25734 75543	116-6R10H 747RWGRSSBR	SCREW, MACHINEFOOT, RUBBER	ATN ATN	EA EA	4 4
					19				

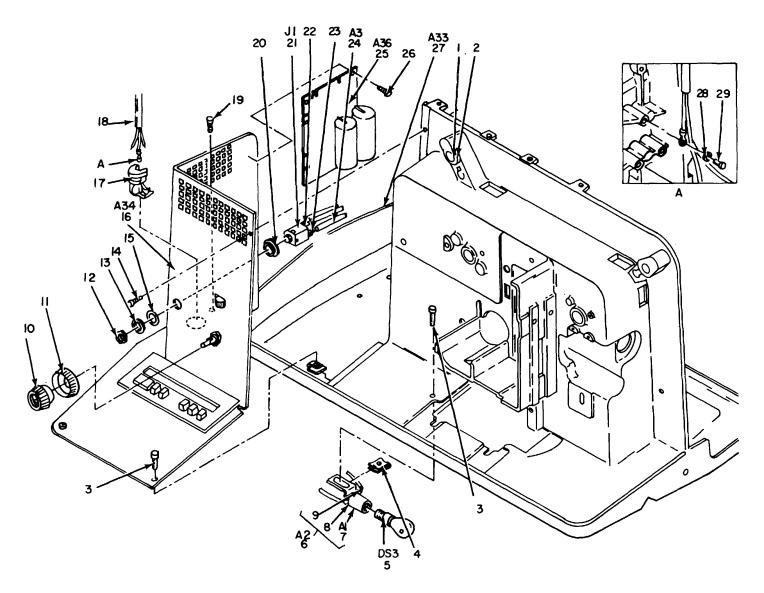
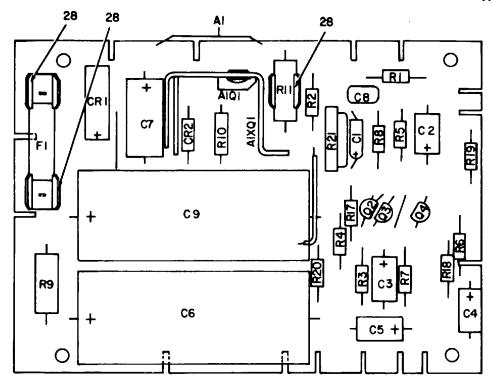


Figure 9. Projector Assembly 42553G2, Amplifier cover Assembly and Threading Lamp Components, Exploded View.

(ILLUSTI	1) RATION	(2)	(3)	(4)	(5)	(6) Description	(7)	(8)
(a) FIG NO.	(b) ITEM NO.		NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
9 9	5 10 11	PAOZZ PAOZZ PAOZZ	6240-00-655-2431 5355-00-411-4481 5355-00-411-4480	24455 81875 81875	6S6 19300-10A 19400-3	LAMP, THDATN KNOB, VOLUME ATN KNOB, TONE ATN	EA EA EA	1 1 1
					21			



REF. DES.	ITEM NO.	REF. DES.	ITEM NO.	REF. DES.	ITEM NO.
CI	1	Q2	9	RIO	19
C2	2	Q3	9	Rii	20
С3		Q4	Õ	RI7	21
C4	l	RI	Ш	RIB	22
C5	ı	R2	12	RI9	23
C <b>6</b>	3	R3	13	R20	16
C7	4	R4	14	R21	24
C8	5	R5	15	AI	25
C9	3	R6	16	AIQI	26
CRI	6	R7	13	AIXQI	27
CR2	7	R8	17		
FI	8	R9	18		

NOTE: FOR COMPLETE REFERENCE
DESIGNATIONS, PREFIX WITH, IA7A36
EL3FW019

Figure 10. Projector Assembly 42553G2, amplifier Printed Circuit Board Parts.

(ILLUST	1) RATION	(2)	(3)	(4)	(5)	(6) Description	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
10	8	PAOZZ	5920-00-050-4953	81349	3AB1-5AMP <b>23</b>	FUSE ATN	EA	1

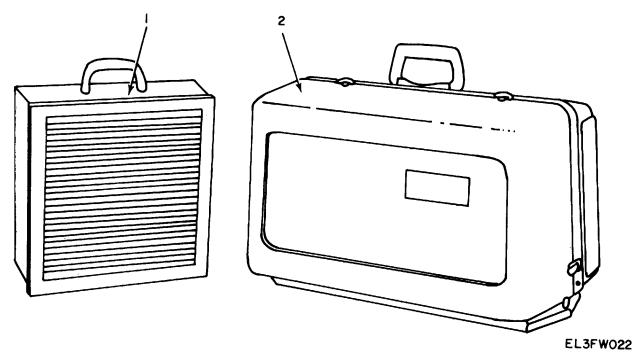
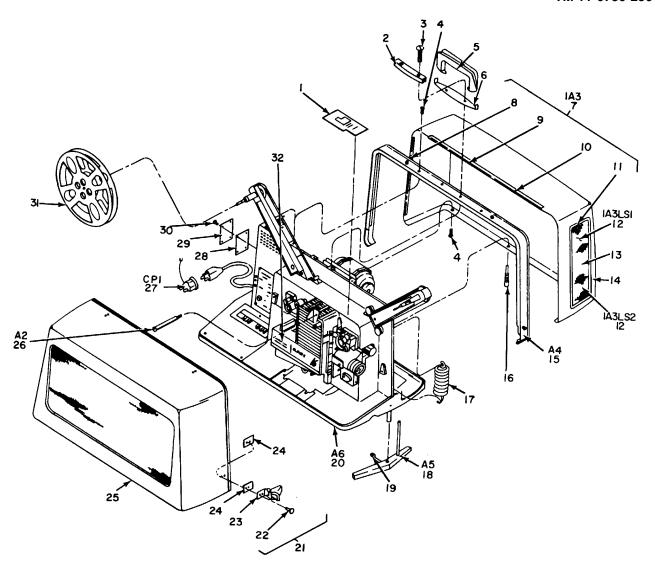


Figure 11. Projection Set, Motion Picture, sound AS-25A.

(ILLUST	(1) RATION	(2)	(3)	(4)	(5)	(6) Description	(7)	
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
11 <b>11</b>	1 <b>2</b>	PAOFF <b>PAOFH</b>	5965-00-089-7873 <b>6730-00-089-7943</b>	80058 <b>80059</b>	BQ-7A <b>AQ-9A</b>	LOUDSPEAKER PERM2GW PROJECTOR, MTN PIX2GW	EA <b>EA</b>	1 <b>1</b>
					25			



EL3FW023

Figure 12. Projector, AQ-9A, Exploded View.

TZILLII	(1) RATION	(2)	(3)	(4)	(5)	(6) Description	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART Number	USABLE ON CODE	U/M	QTY INC IN UNIT
				25734 73586 81349		GROUP 01 PROJECTOR, AQ-9A  PROJECTOR, ASSEMBLY		IN UNIT

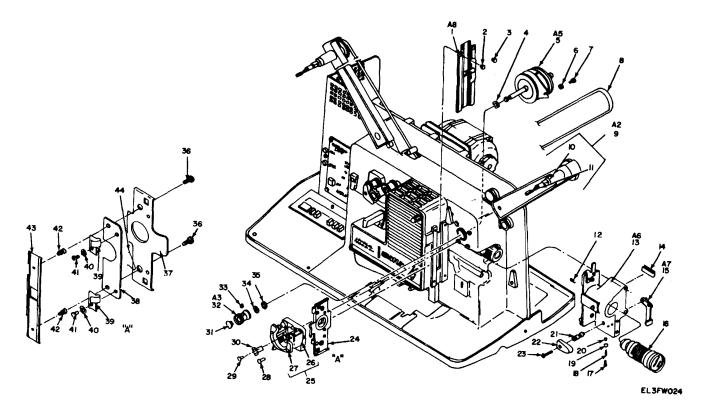


Figure 13. Projector, AQ-9A, Film Feed and Film Gate Mechanism, Exploded View.

		LCTION				1101 11-0730-230-2				
ILLUST	(1) RATION	(2)	(3)	(4)	(5)	(6) Description		(8)		
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT		
13 13 13	8 16 24	PAOZZ PAOZZ PAOFF	3030-00-089-7872 6760-00-123-0634 6730-00-116-7065	25734 25734 25734	39211P2 39428P1 38472G2	BELT, SUPPLY REEL	EA EA EA	1 1 1		
					29					

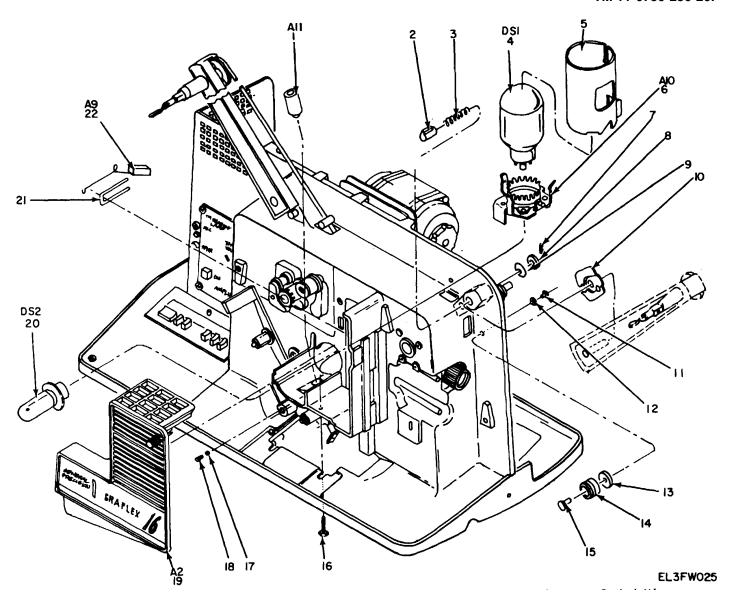


Figure 14. Projector, AQ-9A, Lamp House Components and Supply Reel Arm, Exploded View.

( ILLUSTI	1) RATION	(2)	(3)	(4)	(5)	(6) Description	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
14 14	4 20	PAOZZ PAOZZ	6240-00-069-3505 6240-00-155-7777	25734 25734	38170P2 38386P2	LAMP, INCANDESCEN	EA EA	1 1
					31			

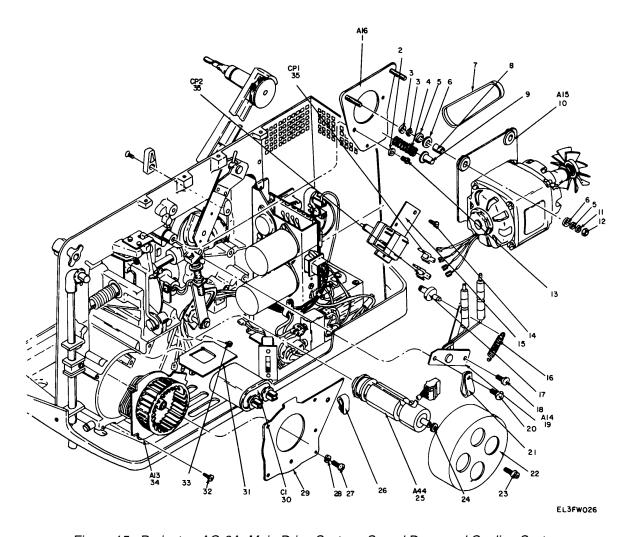


Figure 15. Projector, AQ-9A, Main Drive System, Sound Drum and Cooling System Components, Exploded View.

(a) FIG NO.	ATION (b) ITEM NO.	(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4)	(5) PART NUMBER	(6) DESCRIPTION USABLE ON CODE		(8) QTY INC IN
15		PAOZZ	3030-00-089-7870	25734	39086P1	BELT, FLAT2GW	EA	UNIT

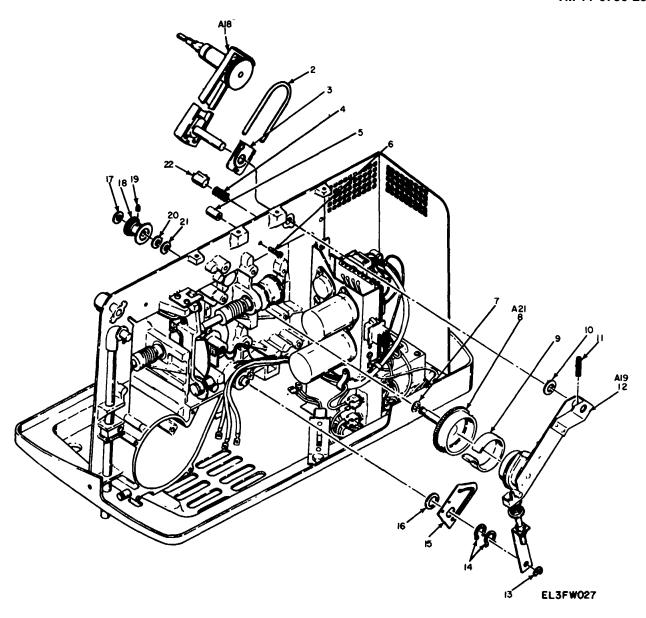


Figure 16. Projector, AQ-9A, Takeup Mechanism and Reel Arm, Exploded View.

(a) FIG NO.	(1) RATION (b) ITEM NO.		(3) NATIONAL STOCK NUMBER	(4)	(5) PART NUMBER	(6) DESCRIPTION USABLE ON CODE	U/M	QTY INC IN
16	2	PAOZZ	3030-00-089-7871	25734	39211p1	BELT, ROUND2GW	EA	UNIT 1

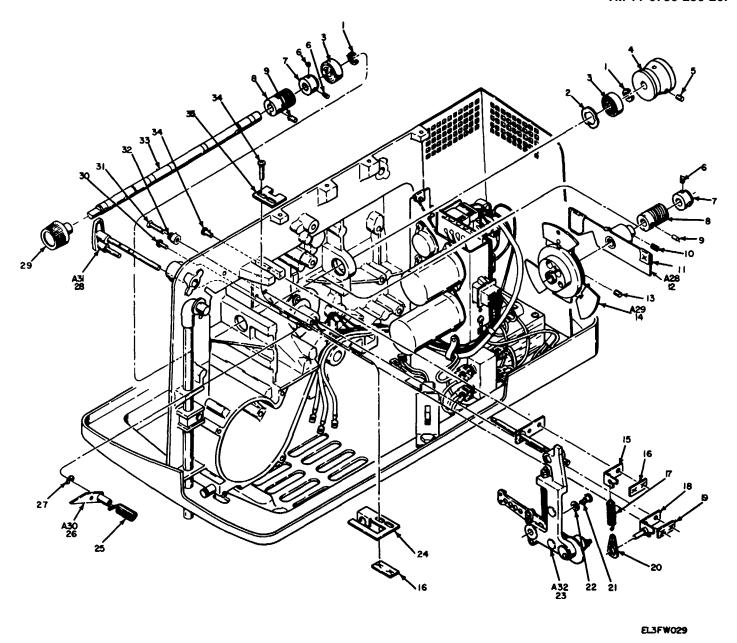


Figure 17. Projector, AQ-9A, Drive Shaft Components and Claw Arm, Exploded View.

(ILLUSTI	(1) RATION (b)	(2)	(3) National	(4)	(5)	(6) DESCRIPTION		(8) QTY
FIG NO.	ITEM NO.	SMR CODE	STOCK NUMBER	FSCM	PART Number	USABLE ON CODE	U/M	INC
	NO.	XDOZZ	NUMBER	25734	NUMBER 39184P1 37	KNOB, INCHING2GW	U/M EA	IN

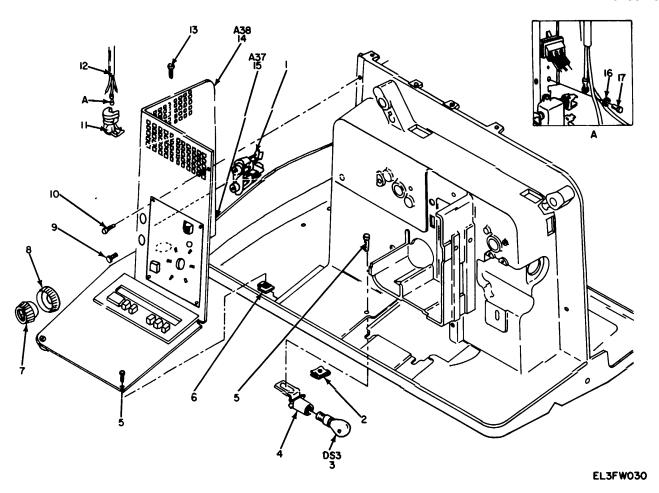


Figure 18. Projector AQ-9A, Amplifier Cover Assembly and Threading Lamp Components, Exploded View.

( ILLUSTI	(1) RATION	(2)	(3)	(4)	(5)	(6) Description	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
18 18 18	7	PAOZZ PAOZZ PAOZZ	6240-00-655-2431 5355-00-411-4481 5355-00-411-4480	24455 81875 81875	6S6 19300-10A 19400-3	LAMP, THREADING	EA EA EA	1 1 1

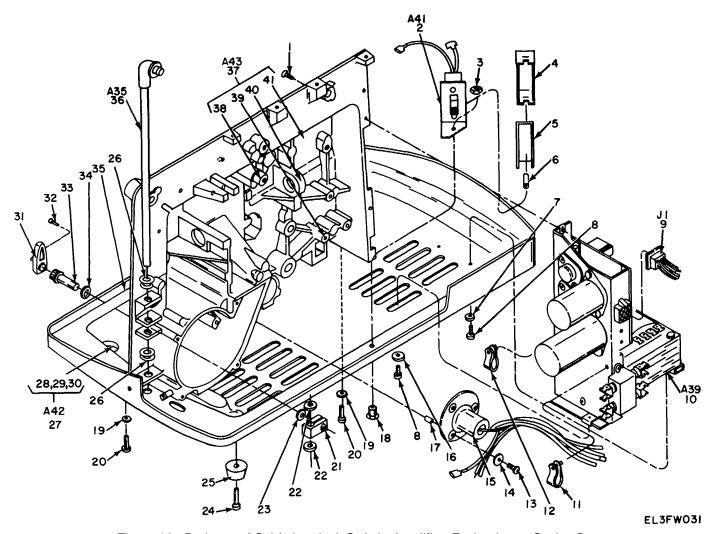


Figure 19. Projector, AQ-9A, Interlock Switch, Amplifier, Exciter Lamp Socket Base Details, Exploded View.

(ILLUST	(1) RATION	(2)	(3)	(4)	(5)	(6) Description	(7)	(8)
(a) FIG NO.	(b) ITEM NO.		NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	U/M	QTY INC IN UNIT
	NO. 24	XDOZZ XDOZZ	NUMBER	25734 75543	NUMBER  116-6R10H 747-RW, GR-S-SI  41	SCREW, MACHINE	EA EA	IN UNIT 4

#### NATIONAL STOCK NUMBER AND PART NUMBER INDEX

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

STOCK NUMBER	FIGURE NO.	ITEM NO.		STOCK NUMBER	FIGURE NO.	ITEM NO.	
5920-80-050-4953 6240-00-069-3505 6240-00-069-3505	10 3 14	8 3 4		5305-00-153-7906 6240-00-155-7717 6240-00-155-7777	2 14	17 20 20	
3030-00-089-7870	15	7		6760-00-230-8411	4	12	
3030-00-089-7871	6	1		6760-00-282-7988	2	21	
3030-0-00-89-7871 3030-00-089-7172	16 4	2 7		6760-00-282-7988 5355-00-411-4480	12 9	31 11	
3030-00-089-7172	13	8		5355-00-411-4480	18	8	
5965-00-089-7873	11	1		5355-00-411-4481	18	7	
6730-00-089-7943	11	2		5310-00-413-3033	5	21	
6730-00-116-3454	12	27		6240-00-655-2431	9	5	
6730-00-116-7065 6760-00-123-0634	13 13	24 16		6240-00-655-2431 5340-00-995-8329	18 8	3 27	
6730-00-123-0634	2	15		5340-00-995-6329	0	21	
PART	FOOM	FIG.	ITEM	PART	FCCM	FIG.	ITEM
NUMBER	FSCM	NO.	NO.	NUMBER	FSCM	NO.	NO.
AQ-9A	80058	11	2	39085G1	25734	2	17
BQ-7A	80058	11	1	39086P1	25734	15	7
C9031-6Z4	78553	5	21	39184P1	25734	17	29
PH-312 19300-10A	81349	12 1	31 7	39211P1 32211P1	25734 25734	6	1 2
19400-10A 19400-3	81875 81875	9	11	39211P1 39211P2	25734 25734	16 4	7
19400-3	81875	18	8	39211P2	25734	13	8
2573-L	73586	12	27	39226P1	25734	2	15
3AB1-5AMP	81349	10	8	39428P1	25734	13	16
3666	94910	2	21	3946P1	25734	4	12
38170P2	25734	3	3	42553G1	25734	12	20
38170P2 38184P1	25734 25734	14 7	4 29	42553G2 6S6	25734 24455	2 9	11 5
38386P2	25734 25734	3	29	6S6	24455 24455	18	3
38386P2	25734	14	20	747-RW, GR <i>-</i> S-SBR	75543	19	25
38472G2	25734	13	24	747RWGRSSBR	75543	8	27
39047G2	25734	1	2				

#### LATEST NATIONAL STOCK NUMBER ASSIGNMENTS

STOCK NUMBER NO. ITEM NO. NO. 5355-00-411-4481 9 10

#### LATEST PART NUMBER ASSIGNMENTS

116-6R10H 25734 8 26 116-6R10H 25734 19 24 19300-10A 81875 9 10

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By Order of the Secretary of the Army:

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NG: State AG (3); Units - Same as Active Army except allowance is 1 copy per unit.

USAR: None.

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

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