

**TECHNICAL MANUAL**

**OPERATOR'S AND ORGANIZATIONAL MAINTENANCE MANUAL  
INCLUDING REPAIR PARTS  
AND SPECIAL TOOLS LIST**

**TEST SET,  
CONTROL MONITOR - RECORDING HEAD AN/AYM-9  
(FSN 6625-150-1882)**

**This copy is a reprint which includes current  
pages from Change 1**

**Technical Manual**

No. 11-6625-2478-12

**HEADQUARTERS  
DEPARTMENT OF THE ARMY  
Washington, D.C., 1 March 1973**

**OPERATOR'S AND ORGANIZATIONAL MAINTENANCE MANUAL  
INCLUDING REPAIR PARTS AND SPECIAL TOOLS LISTS**

**TEST SET, CONTROL MONITOR-RECORDING HEAD AN/AYM-9  
(NSN 6625-00-150-1882)**

		Paragraph	Page
<b>CHAPTER 1</b>	<b>INTRODUCTION</b>		
Section I.	I. General		
	Scope .....	1-1	1-1
	Indexes of Publications .....	1-2	1-3
	Forms and records .....	1-3	1-3
	Reporting of errors .....	1-3.1	1-3
	Reporting equipment improvement recommendation .....	1-4	1-3
	II. Description and data		
	Purpose and us .....	1-5	1-3
	Technical characteristics .....	1-6	1-4
	Items comprising Test Set, Control Monitor-Recording Head AN/AYM-9 .....	1-7	1-4
	Description .....	1-8	1-5
	Additional equipment required .....	1-9	1-9
<b>CHAPTER 2</b>	<b>SERVICE UPON RECEIPT OF EQUIPMENT</b>		
	Packaging data .....	2-1	2-1
	Unpacking instructions .....	2-2	2-1
	Checking unpacked equipment .....	2-3	2-1
<b>CHAPTER 3.</b>	<b>OPERATION</b>		
Section I.	I. Operator's controls and indicators		
	Introduction .....	3-1	3-1
	Operators controls, indicators, connectors, and test points .....	3-2	3-1
	II. Operation under usual conditions		
	Preparation for use .....	3-3	3-5
	Initial checking and adjustment of equipment .....	3-4	3-6
	Preliminary sorting procedure .....	3-5	3-6
	Operating procedure .....	3-4	3-6
	Control-Monitor C-8338/AYA-10 test procedures .....	3-7	3-6
	Recording head assembly test procedures .....	3-8	3-8
	Stopping procedure .....	3-9	3-13
<b>CHAPTER 4.</b>	<b>ORGANIZATIONAL MAINTENANCE</b>		
	Scope of maintenance .....	4-1	4-1
	Tools and materials required .....	4-2	4-1
	Preventive maintenance .....	4-3	4-1
	Preventive maintenance checks and service periods .....	4-4	4-1
	Cleaning .....	4-5	4-3
	Repainting and refinishing .....	4-6	4-4
	Troubleshooting .....	4-7	4-4
	Removal and replacement of indicator lamps and lens caps .....	4-8	4-4
	Removal and replacement of switch knobs .....	4-9	4-4
<b>CHAPTER 5.</b>	<b>SHIPMENT AND STOREAGE AND DEMOLITION TO PREVENT ENEMY USE</b>		
Section I.	I. Shipment and storage		
	Disassembly .....	5-1	5-1
	Repackaging .....	5-2	5-1

**CHAPTER 5. SHIPMENT AND LIMITED STORAGE AND DEMOLITION TO  
PREVENT ENEMY USE - Continued**

	Paragraph	Page
<b>SECTION II. Demolition to prevent enemy use</b>		
Authority for demolition .....	5-3	5-1
Methods of destruction .....	5-4	5-1
Reporting .....	5-5	5-1
<b>APPENDIX A. REFERENCES</b> .....	A-1	A-1
<b>APPENDIX B. MAINTENANCE ALLOCATION</b> .....	B-1	B-1
<b>SECTION I. Introduction</b> .....		
II. Maintenance allocation chart .....		B-1
III. Tool and test equipment requirements .....		B-3
IV. Remarks.....		B-5
<b>APPENDIX C. ORGANIZATIONAL REPAIR PARTS AND SPECIAL TOOLS LIST</b> .....		B-6
		C-1

**LIST OF ILLUSTRATIONS**

<i>Figure number</i>	<i>Title</i>	<i>Page</i>	<i>Figure number</i>	<i>Title</i>	<i>Page</i>
1-1	Test Set, Control Monitor - Recording Head AN/AYM-9 .....	1-2	3-3	Test Set, Control Monitor - Recording Head AN/AYM-9 cable interconnection diagram .....	3-5
1-2	Test Set, Control monitor - Recording Head AN/AYM-9 block diagram.....	1-4	3-4	Control-Monitor C-8338/AYA-10 test setup .....	3-7
1-3	Simulator, Monitor Input SM-627/AYM-9.....	1-6	3-5	Large circular dot pattern .....	3-7
1-4 (1)	Case, Test Set CY-7117/AYM-9 with cover removed (Part 1 of 2).....	1-7	3-6	Small circular dot pattern .....	3-7
1-4 (2)	Case, Test Set CY-7117/AYM-9 cover removed (Part 2 of 2).....	1-8	3-7	Raster pattern .....	3-8
1-5	Case Test Set CY-7117/AYM-9 cover.....	1-9	3-8	Camera with back door open and steel rollers swung out for cleaning.....	3-9
2-1	Typical packaging diagram.....	2-1	3-9	Inserting film pack into camera .....	3-9
3-1	Simulator, Monitor Input CY-7117/AYM-9, controls and indicators .....	3-4	3-10	Camera controls and indicators .....	3-9
3-2	Case, Test Set CY-7117/AYM-9, controls and indicators.....	3-4	3-11	Typical installation of RHA for testing .....	3-11
			4-1	Simulator, Monitor Input SM-627.AYM-9, parts location diagram.....	4-5

**LIST OF TABLES**

<i>Table number</i>	<i>Title</i>	<i>Page</i>	<i>Table number</i>	<i>Title</i>	<i>Page</i>
1-1	Test Set, Control Monitor - Recording Head AN:AYM-9, Technical Characteristics.....	2-1	4-2	Daily Preventive Maintenance Checks and Services .....	4-2
1-2	Test Set, Control Monitor - Recording Head . AN/AYM-9, Components .....	1-5	4-3	Weekly Preventive Maintenance Checks and Services .....	4-2
1-3	Additional Equipment Required.....	1-9	4-4	Monthly Preventive Maintenance Checks and Services .....	4-2
2-1	Packaging Data.....	2-1	4-5	Quarterly Preventive Maintenance Checks and Services.....	4-3
3-1	Simulator, Monitor Input SM-627/AYM-9, Controls, Indicators and Connectors .....	3-1	4-6	Troubleshooting .....	4-4
3-2	Case, Test Set CY-7117/ARM-9, Connector .	3-3			
3-3	Polaroid Camera CU-5, Controls and Indicators .....	3-3			
4-1	Tools and Materials Required.....	4-1			

**Change 1 ii**

## CHAPTER 1 INTRODUCTION

---

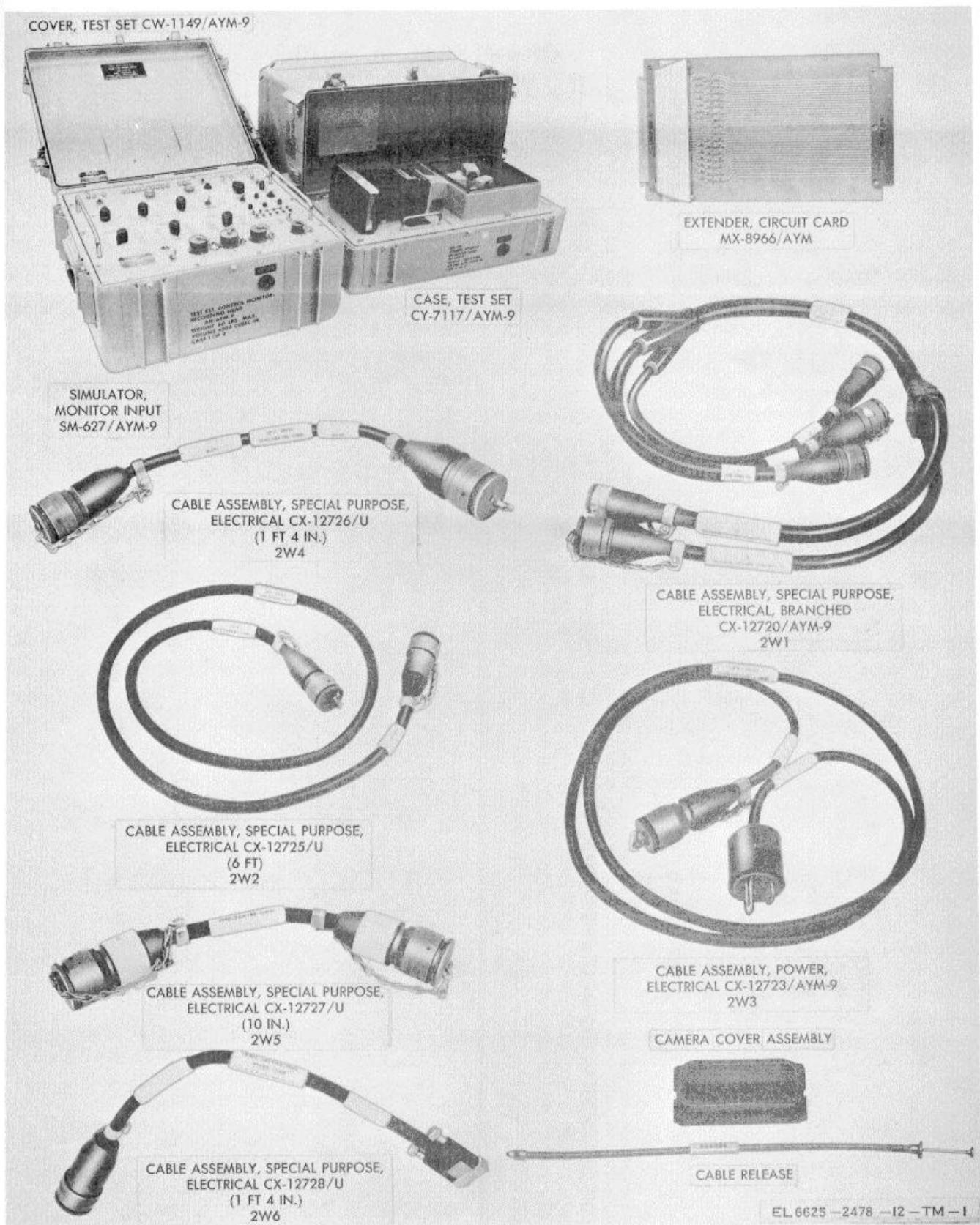
### SECTION I. GENERAL

#### 1-1. Scope

This manual describes Test Set, Control Monitor Recording Head AN/AYM9 (fig. 1-1) and covers its operation and organizational maintenance.

It includes instructions for performing preventive and periodic maintenance and replacement of parts available to the organizational repairman.

1-1



*Figure 1-1.  
Test Set, Control Monitor-Recording head AN/A YM-9.*