

TM 11-6625-228-12

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

R A D A R T E S T S E T

A N / U P M - 6 0 A

OPERATION AND
ORGANIZATIONAL
MAINTENANCE

This copy is a reprint which includes current
pages from Changes 1 & 2

HEADQUARTERS, DEPARTMENT OF THE ARMY
MARCH 1959

TECHNICAL MANUAL

Operation and Organizational Maintenance
RADAR TEST SET AN/UPM-60A

TM 11-6625-228-12 }
CHANGES No. 1 }

HEADQUARTERS,
DEPARTMENT OF THE ARMY
WASHINGTON 25, D.C., 17 June 1963

TM 11-6625-228-12, 2 March 1959, is changed as follows:

Page 3, paragraph 2. Delete paragraph 2 and add paragraphs 2 and 2.1.

2. Index of Publications

Refer to the latest issue of DA Pam 310-4 to determine whether there are new editions, changes, or additional publications pertaining to your equipment. DA Pam 310-4 is an index of current technical manuals, technical bulletins, supply bulletins, lubrication orders, and modification work orders that are available through publications supply channels. The index lists the individual parts (-10, -20, -35P, etc.) and the latest changes to and revisions of each equipment publication.

2.1. Forms and Records

a. Reports of Maintenance and Unsatisfactory Equipment. Use equipment forms and

records in accordance with instructions in TM 38-750.

b. Report of Damaged or Improper Shipment. Fill out and forward DD Form 6 (Report of Damaged or Improper Shipment) as prescribed in AR 700-58 (Army, NAVSANDA Publication 378 (Navy), and AFR 71-4 (Air Force).

c. Comments on Manual. Forward all comments on this publication direct to: Commanding Officer, U.S. Army Electronics Materiel Support Agency, ATTN: SELMS-MP, Fort Monmouth, N.J. (DA Form 1598 (Record of Comments on Publications), DA Form 2496 (Disposition Form), or letter may be used.)

Page 18. Delete section I and substitute:

Section I. MAINTENANCE INSTRUCTIONS**25. Scope of Maintenance**

The maintenance duties assigned to the operator and organizational repairman are listed below, together with a reference to the paragraphs covering the specific maintenance function.

a. Daily preventive maintenance checks and services (par. 26.2).

b. Weekly preventive maintenance checks and services (par. 26.3).

c. Monthly preventive maintenance checks and services (par. 26.6).

d. Cleaning (par. 26.4).

e. Painting (par. 26.9).

26. Materials Required

a. Sandpaper.

b. Paint and brush.

26.1. Preventive Maintenance

Preventive maintenance is the systematic care, servicing, and inspection of the equipment to prevent the occurrence of trouble, to reduce *downtime*, and to assure that the equipment is serviceable. These maintenance duties do not

require tools or test equipment other than those issued with the equipment.

a. Systematic Care. The procedures given in paragraphs 26.2, 26.3, and 26.6 cover routine systematic care and cleaning essential to proper upkeep and operation of the equipment.

b. Preventive Maintenance Checks and Services. The daily, weekly, and monthly preventive maintenance checks and services charts (pars. 26.2, 26.3, and 26.6) outline functions to be performed at specific intervals. These checks and services are designed to maintain Army equipment in a combat serviceable condition;

that is, in good general (physical) condition and in good operating condition. To assist the operator and organizational repairman in maintaining combat serviceability, the charts indicate what to check, how to check, and what the normal conditions are; the *References* column lists the paragraph or manual that contains additional information. If the defect cannot be remedied by the organizational repairman, higher echelon maintenance or repair is required. Records and reports of these inspections must be made in accordance with TM 38-750.

26.2. Daily Preventive Maintenance Checks and Services Chart

Sequence No.	Item	Procedure	References
1	Radar test set-----	<i>a.</i> Check radar test set for completeness and general condition. <i>b.</i> Check to make sure that all changes pertinent to the equipment are on hand.	TM 11-6625-228-12P. <i>b.</i> DA Pam 310-4.
2	Exterior surfaces -----	Clean exterior surfaces of the equipment-----	Par. 26.4.
3	Glass -----	Check all front-panel glass windows for breakage, cracks, and chipping. All glass windows must be in good condition.	
4	Knobs, dials, and switches--	During operation, check knobs, dials, and switches for mechanical action. Action must be positive without backlash, binding, or scraping.	
5	Radar test set operation---	During operation, be alert for any unusual performance, response, or condition.	

26.3. Weekly Preventive Maintenance Checks and Services Chart

Sequence No.	Item	Procedure	References
1	External cables and cords---	Check external cables and cords (fig. 1) for cuts, cracked, or gouged jackets, fraying, bad bruises, kinks, or strains.	
2	External electrical plugs and receptacles.	Inspect external electrical plugs and receptacles for breakage and firm seating.	
3	Hardware -----	Check for loose or missing hardware. Tighten all loose nuts and bolts.	
4	Pluckout items -----	Inspect clamps and seatings of pluckout items. All pluckout items should be properly seated, and clamps in proper position and correctly tightened.	
5	Air filter -----	Inspect the air filter for dust, dirt, and grease. Air filter must be clean and allow free passage air.	

26.4. Cleaning

Inspect the exteriors of the equipment. The exterior surfaces should be clean, and free of dust, dirt, grease, and fungus.

a. Remove dust and loose dirt with a clean soft cloth.

Warning: Cleaning compound (Federal stock No. 7930-395-9542) is flammable and its fumes are toxic. Provide adequate ventilation. *Do not use near a flame.*

b. Remove grease, fungus, and ground-in dirt from the cases; use a cloth dampened (not wet) with cleaning compound.