

Operator's Manual RADIO RECEIVER R-390A/URR

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 15 January 1965

CHANGE }
No. 2 }

TM 11-5820-358-10, 16 January 1961, is changed as follows:

Page 3. Make the following changes:

Paragraph 1. Designate the existing paragraph *a* and add the following:

b. The maintenance allocation chart (MAC) appears in TM 11-5820-358-20.

Add paragraph 1.1 after paragraph 1 (as added by C 1, 26 Jul 63):

1.1. 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 which 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.

Delete paragraph 2 (as changed by C 1, 26 Jul 63) and substitute:

2. 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. Reporting of Equipment Manual Improvements. The direct reporting by the individual user of errors, omissions, and recommendations for improving this manual is authorized and encouraged. DA Form 2028 (Recommended Changes to DA Publications) will be used for reporting these improvements. This form will be completed in triplicate using pencil, pen, or typewriter. The original and one

copy will be forwarded direct to Commanding General, U.S. Army Electronics Command, ATTN: AMSEL-MR-MA, Fort Monmouth, N.J. 07703. One information copy will be furnished to the individual's immediate supervisor (officer, noncommissioned officer, supervisor, etc.).

Page 8, paragraph 9. Add the following after *Caution 3* (as added by C 1, 26 Jul 63):

4. To prevent damage to the receiver, be sure to turn the DIAL LOCK control counterclockwise until it stops before turning the KILOCYCLE CHANGE control. Do not force the DIAL LOCK control beyond the normal stop position in either direction.

5. When turning the AERO ADJ control knob, be careful not to force the knob counterclockwise beyond the stop. The shaft can be turned to a point at which the plate on the end of the shaft is forced off.

Page 26, paragraph 20 (as changed by C 1, 26 Jul 63):

20. Preventive Maintenance

Preventive maintenance is the systematic care, servicing, and inspection of equipment to prevent the occurrence of trouble, to reduce downtime, and to assure that the equipment is serviceable.

a. Systematic Care. The procedures given in paragraphs 20.1 and 20.2 cover systematic care essential to proper upkeep and operation of the equipment.

b. Preventive Maintenance Checks and Services. The preventive maintenance checks and services chart (para. 20.2) outlines inspections to be made each day. These inspections are made to maintain Army electronic equipment in a combat serviceable condition; that is, in good operating condition. To assist operators in maintaining combat serviceability, the chart indicates what to inspect, how to

*This change supersedes C 1, 26 July 1963.

inspect, and what the normal conditions are; the *References* column lists the paragraph or figure that contains the additional information. If the defect cannot be remedied by the operator, higher level maintenance or repair is required. Records of these inspections must be made in accordance with TM 38-750.

Add paragraphs 20.1, 20.2, and 20.3 after paragraph 20 (as added by C 1, 26 Jul 63):

20.1. Preventive Maintenance Checks and Services Periods

a. Preventive maintenance checks and services of the R-390A/URR are required daily.

b. Paragraph 20.2 specifies checks and services that must be accomplished daily or under the special conditions listed below for transportable and mobile installations.

- (1) When the equipment is initially installed.
- (2) When the equipment is reinstalled after removal for any reason.
- (3) At least once each week if the equipment is maintained in a *standby* condition.

20.2. Daily Preventive Maintenance Checks and Services Chart

Sequence No.	Item	Procedure	References
1	Exterior surfaces.....	Clean the receiver dust covers and panel; clean the frequency indicator glass and meter glasses.	Para. 20.3
2	Frequency indicator glass; meter glass.	Inspect the frequency indicator glass and the meter glass for cracks and breaks.	Fig. 1
3	Cords and cables.....	Check cords and cables for cracks and breaks.	
4	Knobs and switches.....	While making the operational test (item 5), check the mechanical action of each knob and switch for external and internal binding.	Fig. 6
5	Operational test.....	Perform the steps as given in the checklist.....	Para. 23c
6	Connectors.....	Inspect connectors at the rear of the receiver for tightness.	

20.3. Cleaning

Inspect the exterior of the receiver. The exterior should be free of dust, dirt, grease, and fungus.

Warning: Cleaning Compound (FSN 7930-395-9542) is flammable and its fumes are toxic. Provide adequate ventilation. Do not use near a flame.

a. Remove dirt and dust with a clean, soft cloth. Dampen the cloth with cleaning compound if necessary.

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

c. Remove dust and dirt from the frequency indicator glass and the meter glass with a cloth dampened with cleaning compound.

Caution: Do not press hard on the glass; this could break it.

d. Remove dust and dirt from plugs and jacks with a brush.

e. Clean the panel and control knobs; use a soft, clean cloth. If necessary, dampen the cloth with water and use mild soap.

Page 27. Delete figure 15 (as deleted by C 1, 26 Jul 63).

Page 31, appendix I. Add the following (as added by C 1, 26 Jul 63):

TM 38-750 Army Equipment Record Procedures.

Page 33, appendix II. Make the following changes:

Column 2, change 5920-010-6652 to 5920-131-9821. Column 4, change MIL type F02GR00A to 3 amp, 125 v: Littlefuse No. 313003.

Column 2, change 5920-543-0425 to 5920-504-8634. Column 4, change MIL type F02GR250B to MIL type F02B250V1/4A, add:

Note. Used on orders 14-PH-56 serial No. 2683 and above, 14385-PH-58, 42428-PC-59, 20139-PC-60, and 35064-PC-62.)

Column 2, 5920-356-2188. Column 4, after MIL type F02GR125A, add:

Note. Used on orders 14-PH-56 serial No. 2683 and above, 14385-PH-58, 42428-PC-59, 20139-PC-60, and 35064-PC-62.)

HAROLD K. JOHNSON,
General, United States Army,
Chief of Staff.

Official:

J. C. LAMBERT,
Major General, United States Army,
The Adjutant General.

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NG: State AG (3); units—same as active Army except allowance is one (1) copy per unit.

USAR: None.

For explanation of abbreviations used, see AR 320-50.