

TM 11-6625-1635-35

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

DS, GS, AND DEPOT MAINTENANCE
MANUAL INCLUDING REPAIR PARTS
AND SPECIAL TOOLS LIST
MAINTENANCE KIT, ELECTRONIC
EQUIPMENT MK-1004/ARC

This copy is a reprint which includes current
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HEADQUARTERS
 DEPARTMENT OF THE ARMY
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Direct Support, General Support, and Depot Maintenance Manual
 Including Repair Parts and Special Tools Lists

MAINTENANCE KIT, ELECTRONIC EQUIPMENT MK-I004/ARC

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CHAPTER 1

CIRCUIT FUNCTIONING

Section I. GENERAL

1-1. Scope

a. This manual describes Maintenance Kit, Electronic Equipment MK-1004/ARC and provides instruction for direct support (DS), general support (GS), and depot maintenance. It includes instructions appropriate to DS, GS, and depot support for troubleshooting, replacement of parts, testing, aligning and repairing the maintenance kit. Depot overhaul standards (DOS) are included in this manual.

b. Appendix B is current as of 10 May 1968.

NOTE

For applicable forms and records, refer to TM 11-6626-1635-12.

1-2. Indexes of Equipment Publications

a. Refer to the latest issue of DA Pam 310-4 to determine whether there are new editions, changes, or additional publications pertaining to the equipment.

b. Refer to the latest issue of DA Pam 310-7 to determine whether there are modification work orders (MWO'S) pertaining to the equipment.

1-3. Report of Equipment Manual Improvements

The reporting of errors, omissions, and recommendations for improving this equipment publication by the individual user is encouraged. Reports should be submitted on DA Form 2028 (Recommended Changes to Publications) and forwarded direct to Commanding General, US Army Electronics Command, ATTN: AMSEL-ME-NMP-AD, Fort Monmouth, N.J. 07703.

1-4. Purpose and Use

a. Maintenance Kit, Electronic Equipment MK-1004/ARC (maintenance kit) is a portable equipment used in field testing and adjusting Radio Set AN/ARC-134.

b. The unmodified maintenance kit includes Panel, Test, Electrical SB-3003 (P) /ARC (test panel) mounted on the front of the equipment. The test panel houses Control, Radio Set C-7241/ARC (radio control), various input and output jacks, switches, indicators, and controls that are used to check, and adjust for, the proper operation of the AN/ARC-134.

c. The modified maintenance kit includes a test panel which mounts Control, Radio Set C-7241/ARC (radio control), Control, Intercommunication Set C-1611D/AIC (intercom control), an ammeter, and various input and output jacks, switches, indicators, and controls used to check, and adjust for, the proper operation of the AN/ARC-134.

d. The radio control is used to provide power control, receiver volume control, and channel selection for the AN/ARC-134 under test. A COMM TEST switch on the radio control provides a means of checking the operation of the AN/ARC-134 with the receiver squelch circuit disabled.

1-5. Differences in Models

Specific differences in the unmodified and modified maintenance kits, as a result of MWO 11-6625-163540/1, are given in table 1-1. MWO 11-6625-1635-40/1 is a field modification that improves utilization of the maintenance kit in testing the complete VHF communications network of which the AN/ARC-134 Radio Set is a part.