

TECHNICAL MANUAL

OPERATOR'S AND ORGANIZATIONAL MAINTENANCE MANUAL

**TEST SET, RADIO AN/ARM-63
(AIRCRAFT CORP MODEL BTK-35A)
(NSN 6625-00-868-8323)**

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CHAPTER 1

INTRODUCTION

Section I. GENERAL

1. Scope

a. This manual describes Test Set, Radio AN/ARM-63 (Aircraft Radio Corp Model BTK-35A) and covers its installation, operation, and operator's and organizational maintenance. It includes instructions for cleaning and inspection of the equipment, and replacement of parts available to operator and organizational maintenance personnel.

b. Official nomenclature followed by (*) is used to indicate all models of an equipment. Official nomenclatures represented throughout this manual in this manners are as follows:

(1) Receiving Set, Radio AN/ARN-30 (*) indicates Receiving Set, Radio AN/ARN-30, AN/ARN-30A, AN/ARN-30B, AN/ARN-30C, AN/ARN-30D, and/or AN/ARN-30E.

(2) Radio Set AN/ARC-60(*) indicates Radio Set AN/ARC-60 and/or AN/ARC-60A.

(3) Radio Set AN/ARC-27(*) indicates Radio Set AN/ARC-27 and/or AN/ARC-27A.

(4) Radio Set AN/ARC55(*) indicates Radio Set AN/ARC-55, AN/ARC-55A, and/or AN/ARC-55B.

(5) Radio Compass AN/ARN-6(*) indicates Radio Compass AN/ARN-6 and/or AN/ARN-6A.

(6) Antenna AS-580(*)/ARN-30 indicates Antenna AS-580/ARN-30 and/or AS-580A/ARN-30.

(7) Loop Assembly AS-313(*)/ARN-6 indicates Loop Assembly AS-313/ARN-6, AS-313A/ARN-6, and/or AS-313B/ARN-6.

(8) Antenna AT-269/ARN-6(*) indicates Antenna AT-269/ARN-6 and/or AT-269/ARN-6A.

(9) Control Box C-149(*)/ARN-6 indicates Control Box C-149/ARN-6, C-149A/ARN-6, and/or C-149B/ARN-6.

(10) Control Panel C-403(*)/A indicates Control Panel C-403/A, C-403A/A, and/or C-403-B/A.

(11) Radio Set Control C-628(*)/ARC-27 indicates Radio Set Control C-628/ARC-27 and/or C-628/ARC-27.

(12) Control, Radio Set C-3426(*)/ARN-30D indicates Control, Radio Set C-3436/ARN-30D and/or C-3436/ARN-30D.

(13) Converter, Signal Data CV-265(*)/ARN-30A indicates Converter, Signal Data CV-265/ARN-30A and/or CV-265A/ARN-30A.

(14) Frequency Converter-Transmitter CV-431(*)/AR indicates Frequency Converter-Transmitter CV-431/AR and/or CV-431A/AR.

(15) Indicator ID-90(*)/ARN-6 indicates Indicator ID-90/ARN-6, ID-90A/ARN-6, and/or ID-90B/ARN-6.

(16) Indicator ID-91(*)/ARN-6 indicates Indicator ID-91/ARN-6, ID-91A/ARN-6, and/or ID-91B/ARN-6.

(17) Indicator ID-92(*)/ARN-6 indicates Indicator ID-92/ARN-6, ID-92A/ARN-6, and/or ID-92B/ARN-6.

(18) Indicator ID-231(*)/ARN-6 indicates Indicator ID-231/ARN-6, ID-231A/ARN-6, ID-231B/ARN-6, ID-231C/ARN-6, ID-231D/ARN-6, and/or ID-231E/ARN-6.

(19) Radio Compass Unit R-101(*)/ARN-6 indicates Radio Compass Unit R-101/ARN-6, R-101A/ARN-6, R-101B/ARN-6, and/or R-101C/ARN-6.

(20) Radio Receiver R-122(*)/ARN-12 indicates Radio Receiver R-122/ARN-12 and/or R-122A/ARN-12.

(21) Receiver, Radio R-666(*)/ARN-32 indicates Receiver, Radio R-666/ARN-32, R-666A/ARN-32, R-666B/ARN-32, and/or R-666C/ARN-32.

(22) Receiver, Radio R-1041(*)/ARN indicates Receiver, Radio R-1041/ARN and/or R-1041A/ARN.

(23) Receiver-Transmitter, Radio RT-349(*)/ARC-55 indicates Receiver Transmitter, Radio RT-349/ARC-55, RT-349A/ARC-55, and/or RT-349B/ARC-55.

(24) R.F. Signal Generator Set AN/URM-25(*) indicates R.F. Signal Generator Set AN/URM-25, AN/URM-25A, AN/URM-25B, AN/URM-25C, AN/URM-25D, AN/URM-25E, and/or AN/URM-25F.

(25) Wattmeter AN/URM-43(*) indicates Radio Frequency Wattmeter AN/URM-43, AN/URM-43A, and/or AN/URM-43B; and/or Wattmeter AN/URM-43C.

(26) Generator, Signal AN/USM-44(*) indicates Generator, Signal AN/USM-44 and/or AN/USM-44A.

(27) Headset HS-33(*) indicates Headset HS-33 and/or HS-33-A.

(28) Microphone T-17(*) indicates Microphone T-17-B, T-17-E, and/or T-17-F.

(29) Multimeter TS-352(*)/U indicates Multimeter TS-352/U, TS-352A/U, TS-352B/U, and/or TS-352C/U.

(30) Audio Oscillator TS-382(*)/U indicates Audio Oscillator TS-382/U, TS-832A/U, TS-382B/U, TS-382C/U, TS-382-E/U, and/or TS-382F/U.