

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

TM 11-5820-222-20

DEPARTMENT OF THE AIR FORCE TECHNICAL ORDER

TO 31R2-2TRC68-12

ORGANIZATIONAL MAINTENANCE MANUAL

**RADIO SETS AN/VRC-24 AND
AN/TRC-68**

This copy is a reprint which includes current
pages from Changes 2,6,and 7.

DEPARTMENT OF THE ARMY AND THE AIR FORCE

9 JUNE 1960

TECHNICAL MANUAL
No. 11-5820-222-20

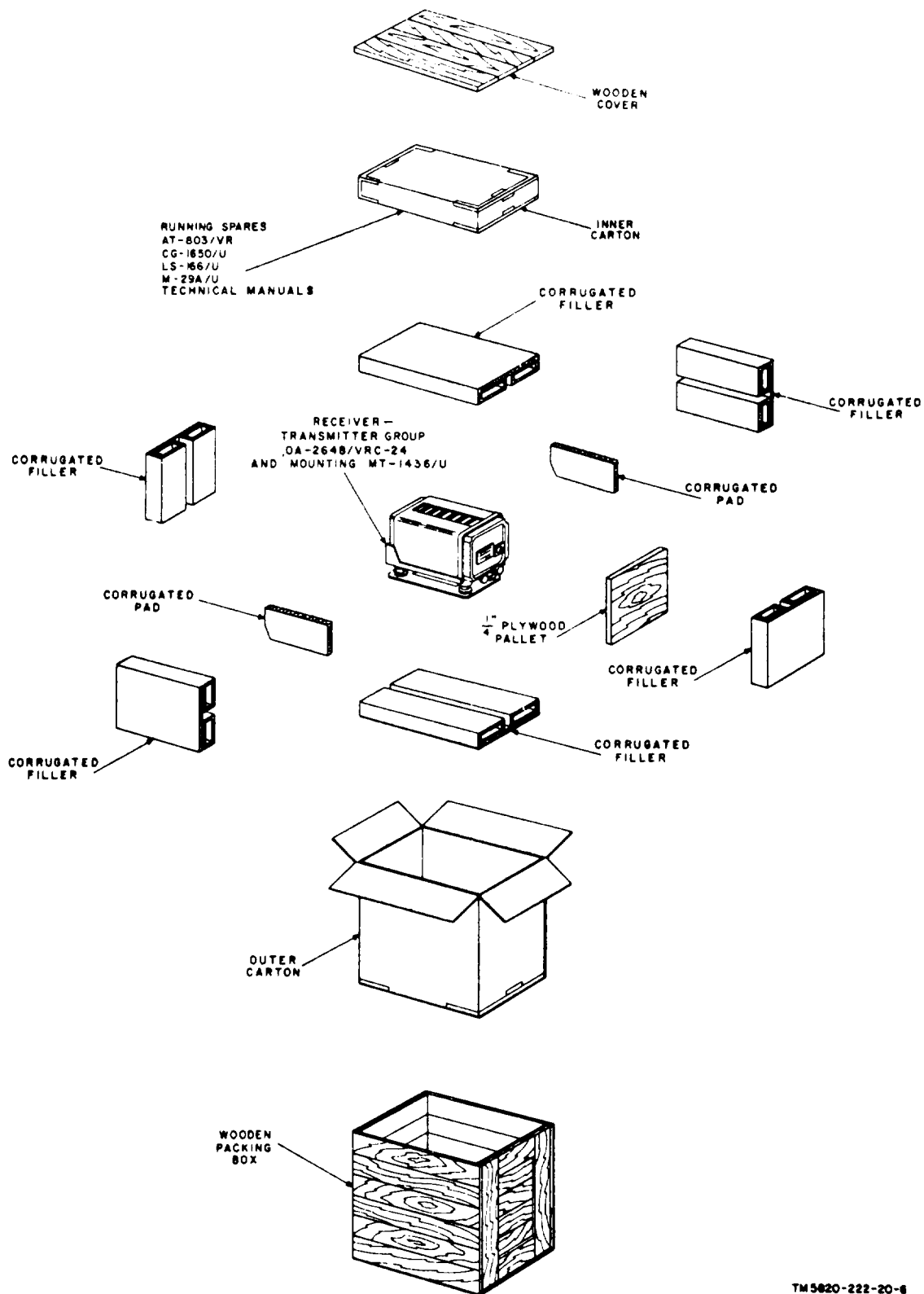
DEPARTMENTS OF THE ARMY
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TECHNICAL ORDER
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WASHINGTON 25, D. C. 9 June 1960

RADIO SETS AN/VRC-24 AND AN/TRC-68

	Paragraph	Page
CHAPTER 1.	INSTALLATION	
	Scope	1 3
Section I.	Service on receipt of Equipment	
	Packaging data	2 3
	Unpacking and checking equipment.	3 4
II.	Installation instructions	
	Siting	4 7
	Installation of Radio Set AN/ VRC-24	5 7
	Radio Set AN/VRC-24 cable connections.	6 12
	Installation of Radio Set AN/TRC-68	7 12
	Radio Set AN/TRC-68 cable connections.	8 13
	Initial adjustment of equipment	9 14
CHAPTER 2.	MAINTENANCE INSTRUCTIONS	
Section I.	Maintenance	
	Scope of second echelon repairman's maintenance duties.	10 15
	Tools, materials, and test equipment required.	11 15
	Second echelon repairman's preventive maintenance	12 15
II.	Troubleshooting	
	Visual inspection	13 15
	Equipment performance checklist	14 18
	Supplementary equipment performance checklist information.	15 28
	Removal and replacement.	16 29
	Tube testing and replacement	17 32
CHAPTER 4.	SHIPMENT AND LIMITED STORAGE	
	Disassembly of equipment	18 34
	Repackaging equipment for shipping or limited storage	19 34
APPENDIX I.	REFERENCES	36
II.	MAINTENANCE ALLOCATION	37



TM 5820-222-20-6

Figure 1. Receiver-Transmitter Group OA-Z848/VRC-24, Mounting MT-1436/U, and accessory items. packaging diagram.

CHAPTER 1

INSTALLATION

Section L SERVICE ON RECEIPT OF EQUIPMENT

1 Scope

a. This manual covers installation and second echelon maintenance instructions for Radio Sets AN/VRC-24 and AN/TRC-68. The manual also includes disassembly and repackaging procedures for shipment and limited storage. The operating instructions for this equipment are contained in TM 11-5820-222-10.

b. Installation procedures for Radio Sets AN/VRC-24 and AN/TRC-68 consist of the following:

- (1) Unpacking and checking the equipment (para.3).
- (2) Installing the components (para, 5 or 7).
- (8) Connecting the components (para, 6 or 8),

c. Second echelon maintenance of Radio Sets AN/VRC-24 and AN/TRC-68 consists of

the following:

- (1) Preventive maintenance (para. 12).
- (2) Visual inspection (para. 13).
- (3) Troubleshooting, using the equipment performance checklist (para. 14).
- (4) Removal and replacement (para. 16).
- (5) Tube testing and replacement (para. 17).

d. Forward comments concerning this manual to the Commanding Officer, U. S. Army Signal Publications Agency, Fort Monmouth, N. J.

Note. For applicable forms and records, refer to paragraph 2, TM 11-6820-222-10,

2. Packaging Data

a. Radio Set AN/VRC-Z4 Packaging Data. When packed for shipment, the components of the AN/VRC-24 are placed in cartons and packed in two wooden boxes (fig. 1 and 2).

Box No.	Height (in.)	Width (in.)	Depth (in.)	Volume (cu ft)	Unit weight (lb)	Contents of box
1 of 2	22	14 1/2	22 1/2	4.1	112	Receiver-Transmitter Group OA-2648/VRC-24 Mounting MT-1436/U Antenna AT-808/VR Radio Frequency Cable Assembly CG-1650/U Dynamic Loudspeaker LS-166/U Microphone M-29A/U Technical manuals Running spares
2 of 2	18 1/2	11 1/2	7 1/2	1	30	Radio Set Control C-1439/U Electrical Special Purpose Cable Assembly CX-4630/U Electrical Special Purpose Cable Assembly CX-4684/U Electrical Power Cable Assembly CX-4629/U