

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

DEPOT MAINTENANCE MANUAL
HEADSETS H-16/U, H-32, H-65/U, H-113/U, H-140/U, HS-16,
HS-29, HS-30, AND HS-33

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1. Scope

a. This manual covers the inspection requirements to be used in determining the quality and acceptability of repaired Headsets H-16/U, H-32 H-65/U, H-113/U, HS-16, HS-29, HS-30, HS-33, and H-140/U.

h The reporting of errors, omissions, and recommendations for improving this manual by the individual user is encouraged. Reports should be submitted on DA Form 2026 (Recommended Changes to Publications) and forwarded direct to Commanding General, U.S. Army Electronics Command, ATTN AMSE-ME-NMP-EM, Fort Monmouth, NJ. 07703.

2. Indexes of Equipment Publications

a DA Pam 31&4. Refer to the latest issue of DA Pam 310-4 to determine whether there are new editions, changes additional publications pertaining to the equipment.

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

3. Applicability of Depot Overhaul Standards

The tests outlined in this manual are designed to measure the performance capability of a repaired equipment. Equipment that is to be returned to stock should meet the standards given in these tests.

4. Applicable References

a *Repair Standards.* Applicable procedures for the depots performing these tests and the general standards for repaired electronics equipment given in TB SIG 355-1, TB SIG 355-2, and TB SIG 355-3 form a part of the requirements for testing these equipments,

b. *Modification Work Orders.* Perform all the modification work orders applicable to these equipments before making the tests specified. DA PAM 310-7 lists all available MWO'S.

5. Test Facilities Required

Telephone Test Set AN/PTM-6 (TM 11-2062) is required for depot testing.

6. Tests

The following requirements should be used in determining the quality and acceptability of repaired headsets.

a *Mechanical Requirement.* The mechanical requirements are as follows

(1) Receiver slides, where applicable, should slide in the metal headband with sufficient friction to support the weight of the receivers.

(2) The acoustic screen of the R-30 receiver (part of Headsets H-16/U, H-65/U, HS-29, and HS-30) should be tightly cemented to the cap.

NOTE

- The presence of acoustic adjusting lacquer on the screen over the hole in the cap is permissible.
- (3) Legs of Y-crotches, where applicable, should be approximately the same length.
- (4) Metal headbands, where applicable, should

give an approximate fit to the head.

- (5) conductors of cords unprotected by the jacket should not be exposed outside the receiver housing.
- b. Electrical Requirments.* The following c' lists the receiver efficiency requirement of repa. headsets measured with the AN/PTM-6.

EQUIPMENT	Binding post connections		Dial control					Equaliser	Key. Operation for various tests keys listed, remain unoperated position					Meter reading	
	REC	COM	D1	D2	D3	04	D5		1	2	7	8	9	R	L
HS-16	Tip	sleeve	-	6	-	5	1	OUT	CBPE	RCT	AC	REC	OPR	R	-6 db
H-16/U, H-65/U, HS-29, and HS-30	Tip	sleeve	-	6	-	6	1	OUT	CBPE	RCT	AC	REC	OPR	R	-9 db
H-33	Tip	Sleeve	-	3	-	6	1	OUT	CBPE	RCT	AC	REC	OPR	R	-6 db
H-32	Tip	sleeve	-	6	-	6	1	OUT	CBPE	RCT	AC	REC	OPR	R	-6 db
H-113/U	Tip	Sleeve	-	4	-	6	1	OUT	CBPE	RCT	AC	REC	OPR	R	-3 db
H-140/U	Pin A	Pin B	-	2	-	7	1	OUT	CBPE	RCT	AC	REC	OPR	R	-6 db

**APPENDIX
REFERENCES**

- DA Pam 310-4 Index of Technical Manuals, Technical Bulletins, Supply Manuals (Types 7, 8, and 9 Supply Bulletins and Lubrication Orders.
- DA Pam 310-7 U.S. Army Index of Modification Work Orders.
- TB SIG 356-1 Depot Inspection Standard for Repaired Signal Equipment.
- TB SIG 355-2 Depot Inpection Standard for Refinishing Repaired Signal Equipment.
- TB SIG 356-3 Depot Inpection Standard for Moisture and Fungus Resistant Treatment.
- TM 11-2062 Test Sets I-42, I-42-B, and Telephone Test Set AN/PTM-6.

By Order of the Secretary of the Army

Official
KENNETH G. WICKHAM,
Major General United States Army,
The Adjutant General

W. C. WESTMORELAND,
General, United States Army,
Chief of Staff.

Distribution:

To be distributed in accordance with DA Form 12-51, depot maintenance requirements for AN/GLQ-2, AN/GRA-11, AN/GRC-26(), AN/GRC-87, AN/GRC-109, AN/TRC-68, AN/VRC-24 Radio Sets.