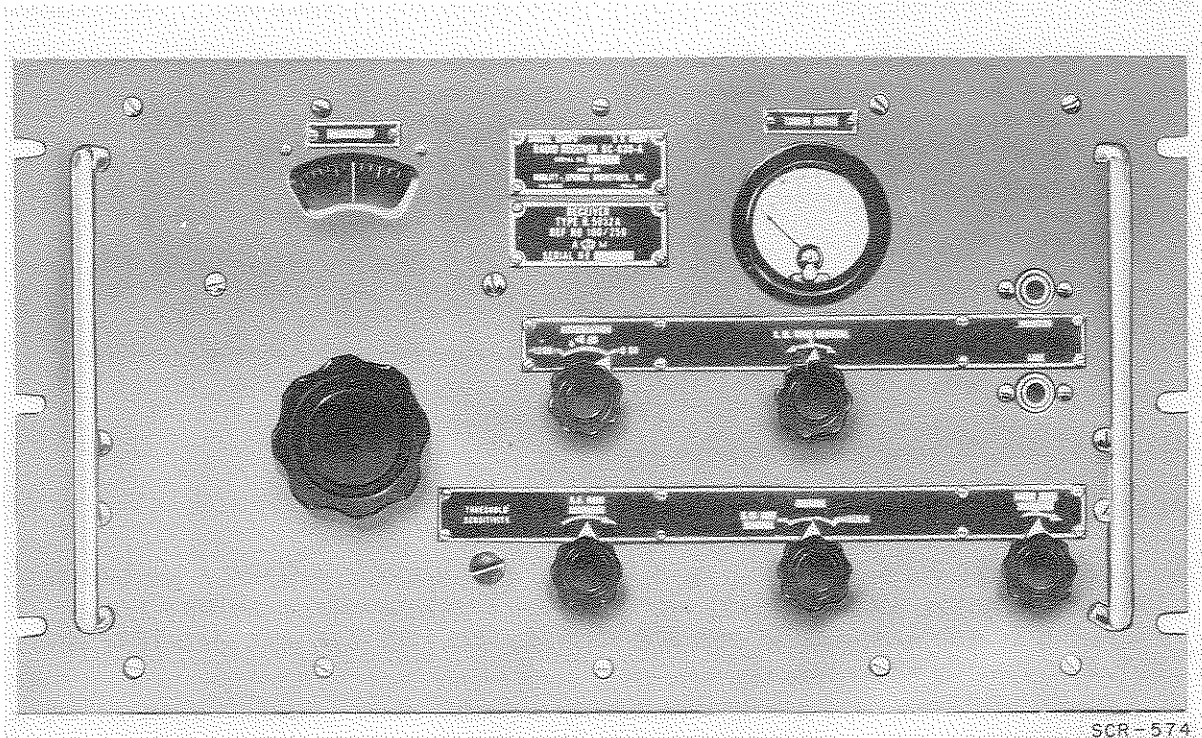


STATUS: Standard	AN/MRR-TYPE
CLASSIFICATION OF EQUIPMENT: Unclassified	
USING SERVICE: Air Force, Navy	SERVICE TYPE NUMBER: SCR-574
DATE OF THIS SHEET: 7 Jun 52	RADIO SET



SCR-574

Radio Set SCR-574 is a mobile, v-h-f (voice or tone) radio receiving equipment for ground-to-air and point-to-point communication built into Truck K-53 and Truck K-69.

Two Radio Receivers BC-639, (illustrated above) provide dual reception on any frequency from 100 to 156 mc.

This equipment can be used with Radio Set SCR-573 to comprise a two-way v-h-f, Fighter Control Net System.

The Antenna system consists of Antenna AN-86, Antenna Equipment RC-81, and associated 72-ohm coaxial cable.

It operates on power furnished by Power Unit PE-99, or from a 115v 50/60-cyc source of commercial ac. Requires 4.5 kva with electric heaters in operation, 1.4 kva without these heaters.

AN/MRR-TYPE		INSTRUCTION LITERATURE: TM-11-227 TO 16-40SCR574-2
SCR-574	:SERVICE TYPE NUMBER	CLASSIFICATION OF EQUIPMENT: Unclassified
RADIO SET		USING SERVICE: Air Force, Navy
		DATE OF THIS SHEET: 7 Jun 52

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Receiving Equipment RC-72-A	72 x 20-1/2 x 13-1/4	302
1	Radio Receiving Equipment RC-155-A	72 x 20-1/4 x 13-1/4	258
1	Truck K-53	130 x 96 x 256	13,385
1	Trailer K-63 with PE-99-A	72 x 72 x 114	2,860
1	Antenna AN-86	25 cu ft (Packaged)	743

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Normally issued on any organizational level as project material in accordance with AFR 100-17.

INSTALLATION: Ground, mobile, vehicular.

APPROXIMATE RANGE (IN MILES): (Nominal) Line of sight.

CAN COMMUNICATE WITH: AN/ARC-1, -3, -5, -18, -28, -36; AN/CRC-2; AN/FRC-7; AN/GRC-30; AN/MRC-16, -20, -22; AN/PRC-17, -20; AN/TRC-7; AN/TRQ-1; AN/URC-4; AN/URT-7, -10; AN/VRC-1; BC-640; MAW; MBS; RC-257; SCR-522, -542, -573, -575, -624, -641, -643; TDG; TDQ; TDT; ARC Type 12; Wilcox 99A.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 100 - 156 (continuously tuneable).

TYPE MODULATION: Am.

TYPE OF SIGNAL: Voice, tone or cw.

POWER OUTPUT: 3 w (maximum) into 600 ohm impedance, however, satisfactory output can be had at any impedance between 200 and 20,000 ohm.

POWER REQUIREMENTS: 4.5 kva with heaters) 100 v, 50/60 cyc, 3 phase, ac,
1.5 kva without heaters) (from PE-99).

PHYSICAL CHARACTERISTICS

Radio Set SCR-574-A, installed in truck weighs 17,548 pounds net, volume 2,275 cu ft, 8.75 ship tons. Packed for either domestic or export shipment: total weight 17,548 pounds, total volume 2,275 cu ft, 8.75 ship tons. Shipped in 2 packages both domestic and export.