

SCR-511

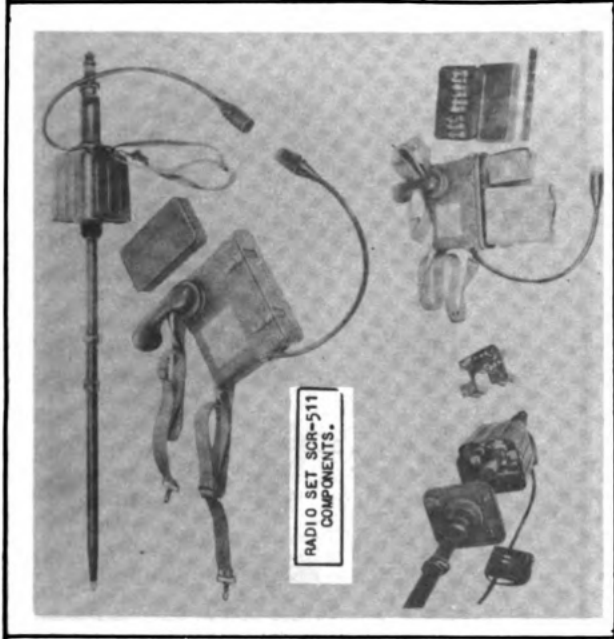
INSTRUCTIONAL LITERATURE:
TM 11-245

STATUS: STANDARD
1 Jun 42

CHANGE IN STATUS:

NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.

NOMENCLATURE DESIGNATION:



RADIO SET SCR-511 COMPONENTS.

RADIO SET SCR-511 IS A LIGHT WEIGHT VOICE-OPERATED SET USED FOR COMMUNICATION BETWEEN SMALL UNITS OF THE CAVALRY. THIS SET CAN BE USED BY PERSONNEL WHO ARE NOT TRAINED RADIO SPECIALISTS.

PART A - TECHNICAL CHARACTERISTICS
(CLASSIFICATION:)

FREQUENCY RANGE: (Mc) 3.0 - 6.0.

NUMBER OF CRYSTALS: 2 IN EACH TUNING UNIT; 13 TUNING UNITS/ SET AUTHORIZED.

PRESET FREQUENCIES: 1 TUNING UNIT INSTALLED; 1 SPARE TUNING UNIT CARRIED WITH SET.

ANTENNA: TELESCOPE MAST. THIS ANTENNA ACTUATES SET'S ON-OFF SWITCH WHEN EXTENDED.

TUNING: (MO OR XTAL) XTAL

SENSITIVITY: **SELECTIVITY:**

POWER SOURCE: INTEGRAL DRY BATTERIES BA-49.

SIMILAR SETS: NONE

POWER OUTPUT: (WATTS) 0.75

TUBES: (TYPE AND NUMBER) RADIO RECVR. BC-1147; 1 5U4G(VT-244) 1 6H6(VT-90); 1 6J5(VT-94); 1 6SA7(VT-150); 1 6SH7; 1 6SJ7(VT-116) 4 6SK7 (VT-117); 1 6SQ7(VT-103); 1 6V6-GT(VT-107-A); 1 VR-150-30 (VT-139) TARGET TRANSMITTER BC-1149; 1 IR5(VT-171); 1 12Y1(VT-182) CONTROL PANEL PH-31; 1 2X2(VT-119); 1 5U4G(VT-244); 1 6AC7(VT-112) 1 6L6G(VT-115); 1 VR-105-30(VT-200)

PART B - TACTICAL CHARACTERISTICS
(CLASSIFICATION:)

USE: CAV. TR; ENGR. CO. & TR; INF. PARA, MTH, & AIRBORNE UNITS; SIG CO. CO MTH DIV; CO MTH DIV; CO AMPHIBIAN.

RANGE: (MILES) 5 NORMAL

TO COMMUNICATE WITH:

TO REPLACE IN PART:

TRANSPORTATION: MAN ON FOOT, HORSE, OR VEHICLE.

TYPE OF SIGNAL: VOICE (AM)

PART C - PRINCIPAL COMPONENTS
(CLASSIFICATION:)

ITEM	DIMENSIONS			WEIGHT	CLASSIFICATION
	HEIGHT	WIDTH	DEPTH		
RADIO RECVR. & TRANS. BC-745					
TUNING UNIT BC-746					
POWER SUPPLY UNIT PE-157					
CHEST UNIT T-39					
MOUNTING FT-338					
BATTERY BA-49					
COMBINED WEIGHT OF COMPONENTS:				20#	
COMBINED VOLUME:				0.5 cu ft	
SHIP TONNAGE:					



RADIO SET SCR-511 AS USED BY MOUNTED TROOPS.