

<h1>SCR-542</h1>		NOMENCLATURE DESIGNATION		NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:		INSTRUCTIONAL LITERATURE: TO 08-10-105						
<b>PART A - TECHNICAL CHARACTERISTICS</b> (CLASSIFICATION: <b>RESTRICTED</b> )  FREQUENCY RANGE: (MO) 100 - 156 Mbs. NUMBER OF CRYSTALS: 8 (4 TRANSMITTERS - 4 RECEIVERS) PRESET FREQUENCIES: 4 PRESET CHANNELS, BOTH RECEIVERS AND TRANSMITTERS. ANTENNA: 1/4 WAVE, VERTICAL MAST - AN-74 & AN-74-A AN-104 & AN-104-A. TUNING: (MO OR XTAL) XTAL TUNING. SENSITIVITY:                      SELECTIVITY: POWER SOURCE: 12 VOLT PRIMARY SOURCE AND PE-98 SIMILAR SETS: SCR-522 (EXCEPT VOLTAGE) POWER OUTPUT: 6 WATTS VOICE.  TUBES: (TYPE AND NUMBER) SCR-542-A USES: 1 - 12J5GT                      3 - 12SG7 1 - 12C8                        2 - 832 1 - 9002                        3 - 12A6 3 - 9003                        1 - 6GG6 1 - 12AH7GT                  2 - 6SS7				<b>PART B - TACTICAL CHARACTERISTICS</b> (CLASSIFICATION: <b>RESTRICTED</b> )  USE: AIR CORPS - USED IN ALL TYPES OF AIRCRAFT. FOR: AIR-TO-AIR, AIR-TO-GROUND COMMUNICATION.  RANGE: (MILES) 130 AT 1000 FT. (LINE OF SIGHT).  TO COMMUNICATE WITH: OTHER AIRPLANES EQUIPPED WITH SCR-522 OR SCR-542, OR EQUIVALENT VHF COMMAND EQUIPMENT, ALSO GROUND INSTALLATIONS HAVING SUFFICIENT BHF GROUND FACILITIES.  TO REPLACE IN PART: TRANSPORTATION: AIRBORNE INSTALLATION.  TYPE OF SIGNAL: VOICE AND SPECIAL TONE SIGNAL WHEN USED WITH CONTACTOR EQUIPMENT RC-96.				CHANGE IN STATUS:						
<b>PART C - PRINCIPAL COMPONENTS</b> (CLASSIFICATION: <b>RESTRICTED</b> )														
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">PRINCIPAL COMPONENTS OF RADIO SET SCR-542.</p>							
		HEIGHT	WIDTH	DEPTH										
CASE CS-80 CONTAINS: RADIO TRANSMITTER BC-625 RADIO RECEIVER BC-624 RAOK FT-244		16 5/32"	12 9/16"	10 11/16"	49#									
DYNAMOTOR PE-98		12 25/32"	8 27/32"	6 15/64"	37#									
RADIO CONTROL BOX BC-602		5 7/8"	5 9/16"	2 1/2"	2.4#									
					91 #	APPROXIMATELY								
COMBINED WEIGHT OF COMPONENTS:					1.8 CU	FT APPROX.								
COMBINED VOLUME OF COMPONENTS:														
SHIP TONNAGE:														