

SCR-522		NOMENCLATURE DESIGNATION	NOTE: SEE INDIVIDUAL SECTIONS FOR SECTION CLASSIFICATION.		STATUS:	STANDARD 8 Sep 41	INSTRUCTIONAL LITERATURE: TO 08-10-105
PART A - TECHNICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) FREQUENCY RANGE: (Mc) 100 - 156 Mcs NUMBER OF CRYSTALS: 8 (4 TRANS. 4 REVR.) PRESET FREQUENCIES: 4 PRESET CHANNELS BOTH REVR. & TRANS. ANTENNA: AN-74 & AN-74-A; AN-104 & AN-104-A - 1/4 WAVE, VERTICAL MAST. TUNING: (MO OR XTAL) CRYSTAL TUNING SENSITIVITY: SELECTIVITY: POWER SOURCE: 28 VOLTS. PRIMARY SOURCE AND PE-94 SIMILAR SETS: RADIO SET SCR-542-(12 VOLT VERSION OF SCR-522) POWER OUTPUT: (WATTS) 6 WATTS VOICE. TUBES: (TYPE AND NUMBER) SCR-522-A USES: 1 - 12J50T 3 - 12SQ7 1 - 12Q8 4 - 832 1 - 9002 1 - 12A6 3 - 9003 1 - 6060 1 - 12AH7BT 2 - 63S7			PART B - TACTICAL CHARACTERISTICS (CLASSIFICATION: RESTRICTED) USE: AIR CORPS - USED IN ALL TYPES OF AIRCRAFT. FOR: AIR-TO-AIR; AIR-TO-GROUND COMMUNICATION. RANGE: (MILES) 130 AT 10,000 FEET. (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 VHF GROUND FACILITIES. TO REPLACE IN PART: SCR-274-N AND SCR-283. TRANSPORTATION: AIRBORNE INSTALLATION. TYPE OF SIGNAL: VOICE AND SPECIAL TONE SIGNAL WHEN USED WITH CONTACTOR EQUIPMENT RC-96.		CHANGE IN STATUS: COMPONENTS OF RADIO SET SCR-522 AND ANTENNA AN-104 DATE: 8-4-43 NEG. NO. D 2435 R		
PART C - PRINCIPAL COMPONENTS (CLASSIFICATION: RESTRICTED)							
ITEM		DIMENSIONS			WEIGHT	CLASSIFICATION	
		HEIGHT	WIDTH	DEPTH			
CASE CS-80 CONTAINING: RADIO TRANSMITTER BC-625 RADIO RECEIVER BC-624 ROOM FT-244		16 5/32"	12 9/16"	10 11/16"	49#		
DYNAMOTOR PE-94		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#		
COMBINED WEIGHT OF COMPONENTS:					91# APPROX.		
COMBINED VOLUME:					1.8 CU. FT. APPROX.		
SHIP TONNAGE:							

