

AN/ARC-51BX Radio Set

Status: STD-A; NSN: 5820-00-082-3926

Reference: TB 43-0123
TM 11-5820-518-20

General Information

The AN/ARC-51BX is a pressurized airborne radio set which provides AM voice communication within the VHF/UHF band between aircraft in flight and aircraft and ground stations. A guard receiver, contained within Radio Receiver-Transmitter RT-742() /ARC-51BX, can be used to monitor a fixed-frequency guard channel. The RT-742/ARC-51BX differs from the RT-742B/ARC-51BX and the RT-742C/ARC-51BX in that it has no secure mode of operation. The preset channel control on the C-6287/ARC-51BX permits selection of any one of 20 preset channels.

Technical Characteristics

Type of Service-----	6K00A3E
Frequency Range-----	225.0 to 399.95 MHz
Planning Range-----	LOS
Number of Channels-----	3,500 plus fixed-guard channel on receive
Power Input-----	27.5 V DC \pm 0.5, 12.25 A
Power Source-----	Aircraft power system
Power Output-----	16 W minimum
Antenna-----	UHF, 52-ohm input and output
Tuning-----	Detent
Weight-----	16.2 kg (35.6 lb)

AN/ARC-51BX Radio Set

