

Section I. FM Radio Sets

AN/PRC-25 Radio Set

Status: STD-A; NSN: 5820-00-857-0759

Reference: TM 11-5820-398-12

General Information

The AN/PRC-25 is a short-range, manpack, portable FM transceiver that provides two-way voice communication. The RT-505 and RT-505A transceiver radios are similar components. Both case modules are identical; however, the internal module circuits of the RT-505A are micromodularized. The modules of the two radios are physically and electrically interchangeable. The RT-505 and the RT-505A are part of the AN/PRC-25. They can be used as part of vehicular Radio Sets AN/VRC-53 and AN/GRC-125.

Technical Characteristics

Frequency Range-----	Low band, 30.00 to 52.95 MHz; high band, 53.00 to 75.95 MHz
Power Output-----	1.1 to 2.0 W
Power Source-----	Batteries, dry BA-4386/U and BA-398/U
Distance Range-----	5 to 8 km (3 to 5 mi)
Antenna-----	AT-892 semirigid tape, AT-271A multisection whip, RC-292 ground plane, OE-254
Type of Service-----	3CK0F3E
Weight-----	10.7 kg (23.5 lb) with battery
Limitation-----	Nonsecure operation

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