

AN/PRC-41 and AN/PRC-41A Radio Sets

NSN: 5820-00-889-3997 (AN/PRC-41)
5820-00-104-0351 (AN/PRC-41A)

Reference: TM 11-5820-510-12 (AN/PRC-41)
TM 11-5820-510-12-1 (AN/PRC-41A)

General Information

The AN/PRC-41 is a lightweight, portable VHF/ultra high frequency (UHF)-AM receiver-transmitter which permits manpack, fixed-station, or vehicular operation. The AN/PRC-41 and AN/PRC-41A are identical except that the AN/PRC-41A can provide secure voice (X-mode) operation when used in conjunction with Speech Security Equipment TSEC/KY-38. The X-mode operation is possible due to circuitry modifications made on the AN/PRC-41A model. The Special Cable CX-10831 is required to connect the TSEC/KY-38 to the AN/PRC-41A. The AN/PRC-41 uses RT-695, and the AN/PRC-41A uses RT-695A.

Technical Characteristics

| | |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Frequency Range | 225.0 to 399.9 MHz |
| Planning Range | LOS |
| Number of Channels | 1,750, spaced every 100 kHz |
| Power Input | 24 V DC |
| Power Source | Portable BA-451/U, vehicle power system, aircraft power system, any AC power source (PP-3700/PRC-41 is required to convert the AC voltage to 24 V DC) power |
| Power Output | 3W |
| Antenna | AS-1404 or AS-1405 |
| Tuning | Detent, crystal controlled |
| Squelch | Carrier |
| Type of Service | AN/PRC-41, 6K00A3E AN/PRC-41A, 80K0A3E (secure or nonsecure) |
| Weight | 20 kg (44.6 lb) |
| Security Device | TSEC/KY-38 |

AN/PRC-41 and AN/PRC-41A Radio Sets

