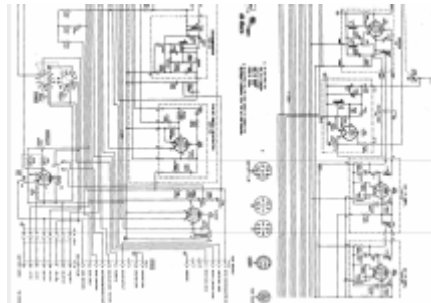
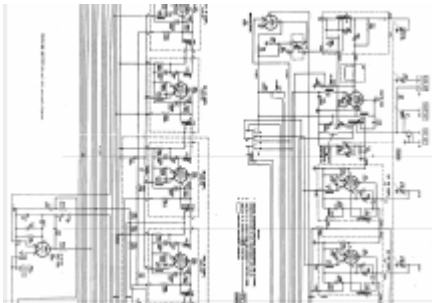


PRC-9 RT-175A / PRC-9

http://www.radiomuseum.org/r/military_prc_9_rt_175a_prc_9.html

PRC-9 RT-175A / PRC-9



MILITARY U.S.: PRC-9 RT-175A / PRC-9 [Militare]

Paese: [USA \(Stati Uniti d'America\)](#) Produttore / Marca: [MILITARY U.S. \(different makers for same model\)](#)

Anno: 1951–1962 ?

Tipo: Apparato militare

Valvole

14: [1AD4](#) [5678](#) [6286](#) [5672](#) [5A6](#)

Circuito Ricetrasmittitore; ZF/IF 4300 kHz; 1 Stadi BF

N. di circuiti 9 Circuiti Mod. Freq. (FM)

accordati

Gamme d'onda Gamme d'onda nelle note.

Particolarità

Tensioni di funzionamento Batterie a secco / 1,5 & 6 & 67,5 & 135 Volt

Altoparlante - Per cuffie o amplificatori esterni

Potenza d'uscita

Materiali Mobile di metallo

Forma Diverse forme (descritte nelle note).

Dimensioni (LxAxP) 265 x 77 x 470 mm / 10.4 x 3 x 18.5 inch

The RT-175A FM-transceiver is a main component of the PRC-9 radio-equipment. Only in literature we can find the name PRC-9A, but on the equipment the -A suffix is never present.

Frequency range is 27-39 MHz, FM (F3), 1 W.

VFO-tuning and a crystal calibrator stage giving 4,3 MHz checkpoints. In the receiver-part we find 2 RF-stages, 4 IF stages, a discriminator FM-detector with 2 germanium diodes, a squelch-circuit and a pulse sweep generator to control the transmit frequency.

At the top we find all controls and connectors for the headset and 3 antennas: long whip AT271, short whip AT-272, and a ca. 50 ohm BNC-connector.

Annotazioni

The set was designed for field use with a 3,65 kg multi-voltage battery BA-279, or for vehicular use with a 24 volts PSU and audio-amplifier AM-598.

All tubes, except the noval 5A6, are of Special Quality subminiature B5A type. The factory aligned complete IF circuits, including the mini-tubes, are housed in sealed metal cans with B7G-pins, as well as the discriminator-circuit and the pulse sweep generator.

Similar, but with different frequency-ranges are RT-174A / PRC-8 20-28 MHz, and RT-176A / PRC-10 38-55 MHz. A variant with different circuitry and 16 tubes, but a look-alike, is the RT-175 / PRC-9. Another variant is the 1 channel, 30-42 MHz, crystal controlled RT-339/PRC28.

Peso netto 8.420 kg / 18 lb 8.7 oz (18.546 lb)

Fonte dei dati -- Original-techn. papers.

Bibliografia -- Original-techn. papers.

Letteratura / Schemi (1) -- Original-techn. papers. (TM11-612. TM11-4065.)

