

FM Alignment

At least 15 minute warm-up should be allowed before adjustments are made.

Depress FM Push Button.

1. Set Signal Generator to 10.7 mcs with 30% AM modulation at 400 cycles. Apply Signal to grid of V104 through .01 mfd capacitor. Set VTVM to low DC range and connect between chassis and negative end of C130.
2. Adjust bottom of T104 for maximum reading with minimum of signal applied.
3. Connect VTVM between chassis and junction of R120 and C126. With maximum signal applied adjust top of T104 for zero reading. Reading can be swung positive and negative from this setting.
4. Clip Signal Generator lead to body of C110 and VTVM as in Step 1, adjust T103 (single adjustment) and top and bottom of T102 and T101 for maximum reading with minimum of signal.
5. Connect FM Signal Generator (with 400 cycle modulation at 22.5 Kc deviation) to FM antenna terminals. Set Generator and Receiver to 105 mcs and adjust FM oscillator trimmer C112 to set oscillator.
6. Adjust RF trimmer C106 for maximum output at 105 mcs.

AM Alignment

At least 15 minute warm-up should be allowed before adjustments are made.

Depress AM Push Button (Remove AM loop to reduce pick-up noise.)

1. Connect Signal Generator, set at 455 Kcs; to AM Antenna terminals, connect output meter across speaker voice coil on either "L" or "R" channel.
2. Detune T201 top by turning top slug out a couple of turns. Set tuning capacitor to minimum capacity and adjust IF transformer T202 bottom, then top; T201 bottom then top for maximum output. DO NOT REPEAK.
3. With tuning capacitor at minimum capacity and Signal Generator at 1610 Kcs, adjust oscillator trimmer C204 to set oscillator. (Tuning range 535 Kcs to 1610 Kcs)
4. Plug in AM loop antenna. With Signal Generator set at 1500 Kcs, tune in signal and adjust RF trimmer C201 for maximum output.
5. With Signal Generator set at 600 Kcs. tune in signal and adjust antenna coil L201 for maximum output.
6. Repeat Step 4.