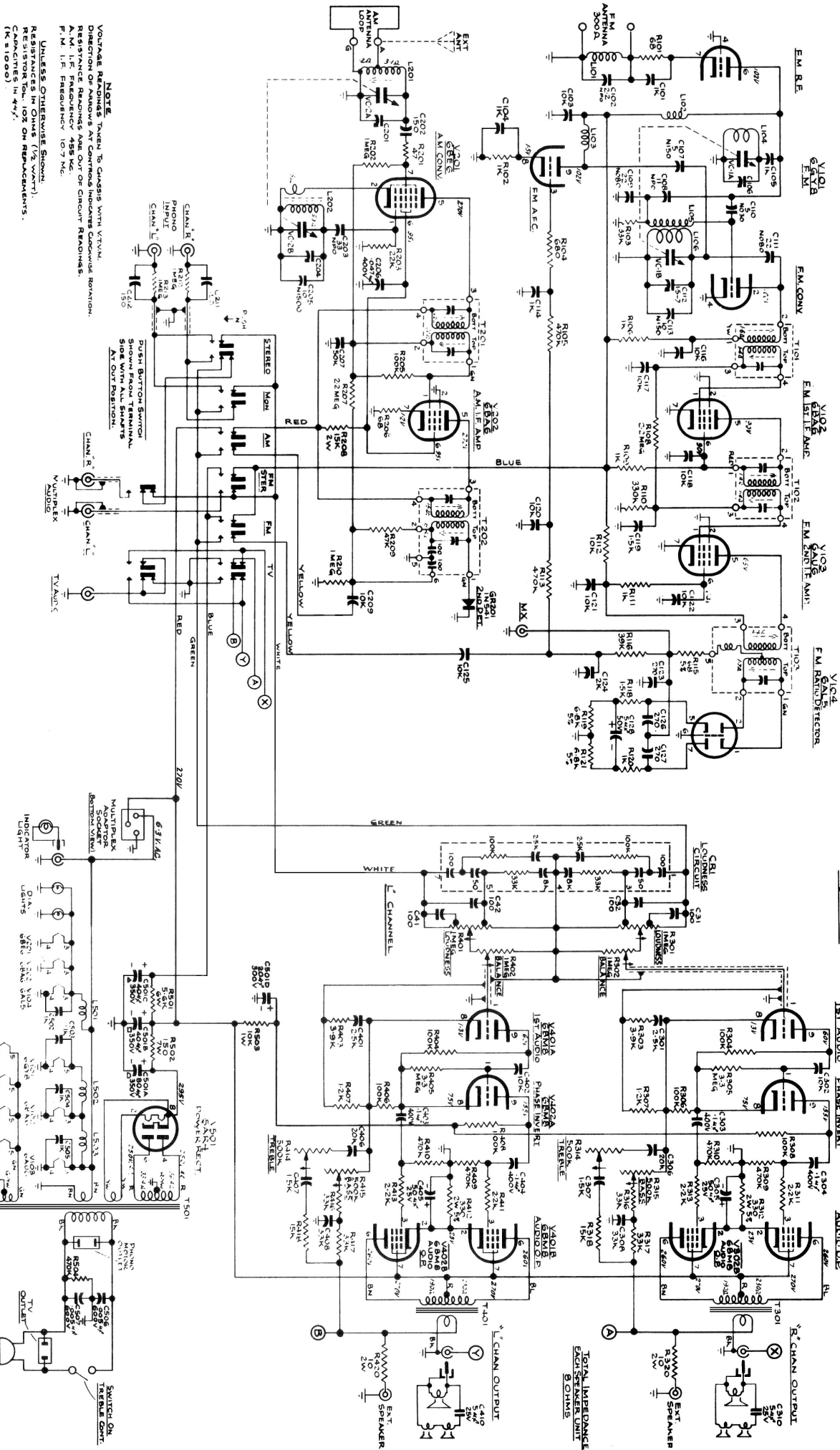
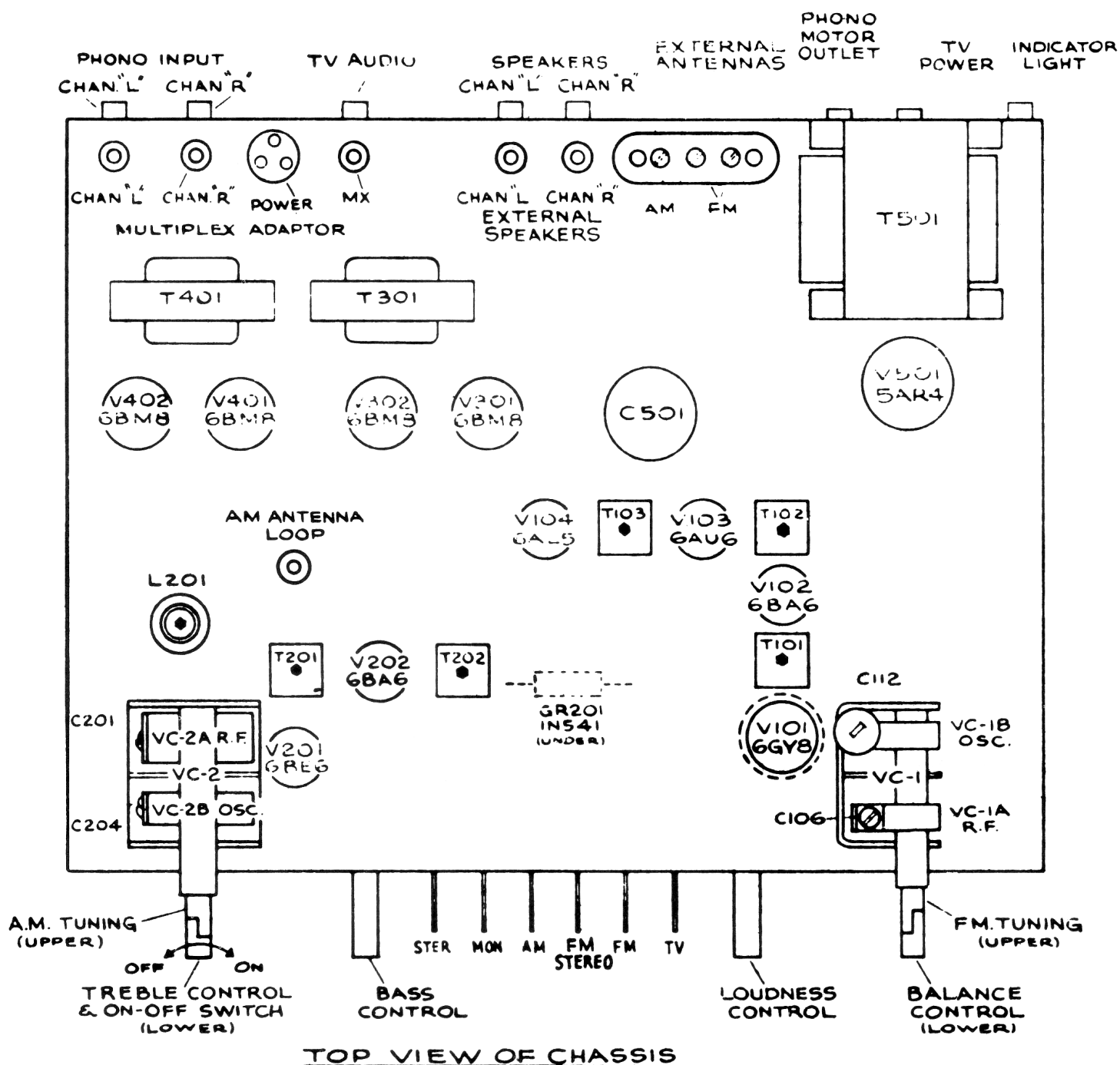
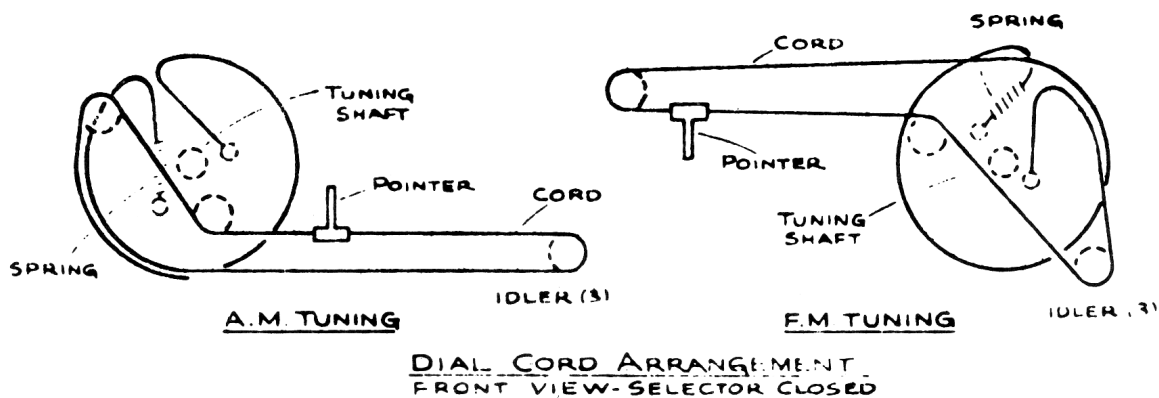




Sparton 23L6

Sparton 23L6 Dial Cord Stringing & Chassis Layout



Sparton 23L6 Alignment & Coil Identification

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

A M RADIO ALIGNMENT

- Depress A M Push Button.
 - 1. - Connect Signal Generator between A M antenna terminal and chassis. Set Generator to 455 Gcs. Connect output meter (low AC volts scale) across one of the speaker voice coils. Remove A M loop antenna to reduce noise pickup.
 - 2. - Detune T201 by turning top slug out a couple of turns. Tune set to quiet spot near 1500 Kcs. Adjust T202 bottom, then top; T201 bottom, then top, for maximum output. DO NOT REPEAK.
 - 3. - With tuning capacitor at minimum capacity and Signal Generator set to 1610 Kcs, adjust oscillator trimmer C204 to set oscillator. (Tuning range 535 to 1610 Kcs)
 - 4. - Plug in A M loop antenna. With Signal Generator set at 1500 Kcs, tune in signal and adjust R.F. 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.
- Depress F M Push Button.
- ## F M RADIO ALIGNMENT
1. - Set Signal Generator to 10.7 mcs with 30% A M modulation at 400 cycles. Apply signal to grid of V103 through .01 mfd capacitor. Set VTM on low DC range and connect between chassis and negative end of C128.
 2. - With a minimum of input signal applied, adjust bottom of T103 for maximum reading.
 3. - Signal Generator as in step 1, but with output at maximum. Connect VTM between chassis and junction of R116 and C124. Adjust top of T103 for zero meter reading. Reading can be swung positive or negative from this setting.
 4. - Connect VTM and set Signal Generator as in step 1, but connect output test clip to body of C110 (loose capacitive coupling). Adjust top and bottom of T102, top and bottom of T101 for maximum reading on VTM.
 5. - Connect Signal Generator (with 400 cycle modulation at 22.5 Kcs deviation) to F M antenna terminals. Set Generator and Receiver to 105 mcs.
- Adjust C112 to set oscillator.
- Adjust R.F. trimmer C106 for maximum output.

