

Zenith Radio Corp.

Model: 200

Chassis:

Year: Pre August 1939

Power:

Circuit:

IF:

Tubes:

Bands:

Resources

Riders Volume 10 - ZENITH 10-33

MODELS 834, 1102, 1106

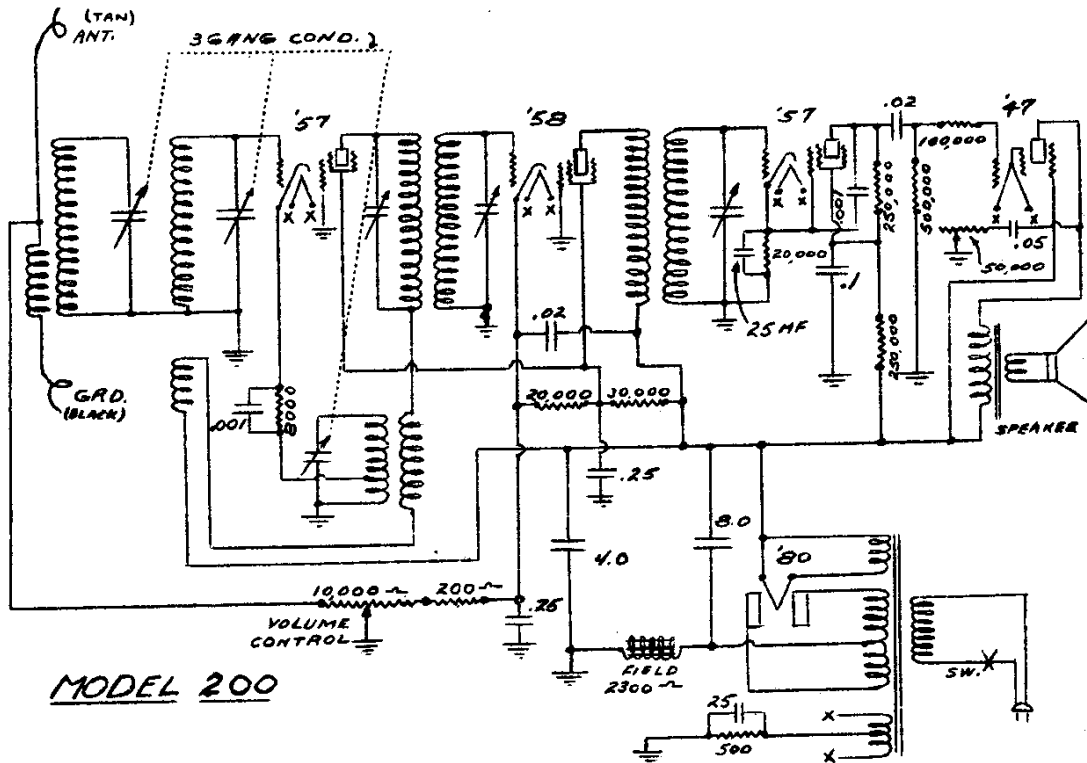
Chassis 1002

Alignment, Notes

ZENITH RADIO CORP.

MODEL 200

Schematic

**MODEL 200**

MODELS 1102, 1106, and 834.

CHASSIS 1002

All components used in these models as the same as those used in Zenith Chassis 1001 - 1001A excepting the following changes.

Parts added

26-76 Complete Dial and Drive Assem.
 26-73 Dial scale only
 22-305 (2) 35 mfd. Condensers
 22-245 Padder
 S-3317 Long wave ant coil Assem.
 S-3318 Long wave osc. coil ..
 S-3321 Long Wave Detector Coil Assem.

Parts Deducted

(26-66 Dial and Drive)
 (26-67 Dial Scale only)
 (22-289 Condenser)
 (22-225 Condenser)
 (20-84 7 Meter coil)
 (S-3115 7 Meter coil)

The long wave band has two trimmers on each stage. The oscillator stage has a trimmer and padder assembly of the nut and screw type. The nut is the trimmer and the screw is the padder. The detector and R.F. stages each have two trimmers whose actions are dependent. The arrangement consists of a coupling condenser and a coil trimmer. The coil trimmer can be distinguished in that one side is grounded. Maximum gain with this system is obtained by having the coupling condenser with as much capacity as possible and still be able to obtain a peak on the coil trimmer.

BALANCING PROCEDURE FOR LONG WAVE

Connect service oscillator to antenna post and set at 375 KC. Set dial at 375 KC. Adjust nut on oscillator trimmer assembly to bring in signal. Open R.F. and detector coil trimmers as far as possible and still leave enough capacity for peaking (about 2 or 3 turns). Open coupling condensers until what appears to be resonance is obtained. Then repeak coil trimmers to resonance. Remember the resonance obtained by means of the coupling condensers is not true resonance and the coil trimmers must be re-adjusted for true resonance.

Move I.F. selector switch to 160 KC. and set dial at this point. Adjust padder screw in oscillator coil assembly for maximum gain, rocking condenser to reach this point, wherever it happens to fall. Repeak 375 KC. as it will be thrown off by the movements of the padder.