radiomuseum.org: Tannhäuser 57 3D Export

Instructions for adjusting FM

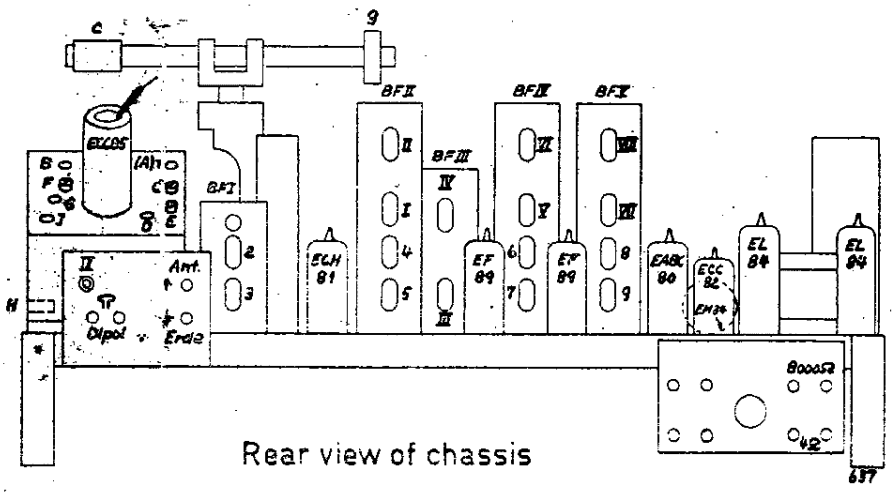
1. Connect signal-generator to antenna jacks and adjust oscillator range. Variable condenser tuned in, 88 Mc point D to maximum. Variable condenser tuned out, 108 Mc point C at maximum. The adjustment must be repeated until final position of variable condenser corresponds with the frequency indicated.
2. Tuning of RF circuit:

   90 Mc point G
   106 Mc point F } to maximum output

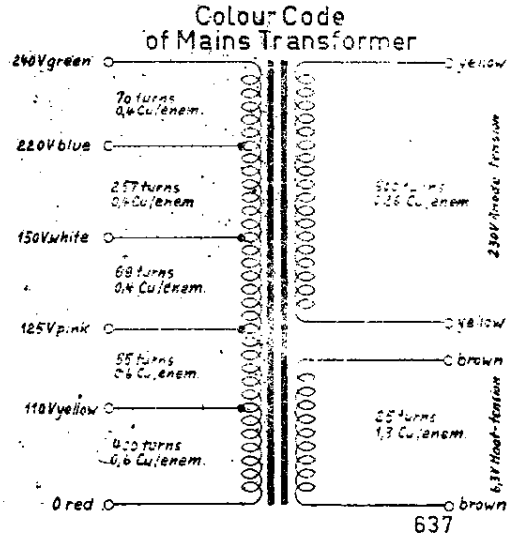
   Adjust RF tuner by variable condenser to these frequencies. Adjusting must be repeated until maximum is obtained.
3. **Antenna circuit:**
   Tune 98 Mc point J to maximum gain and minimum noise.
4. Check grid current of oscillator over the entire range. Tension must be between 2,0 and 4,0 V.
5. Neutralize RF stage on point H. Do not change position of iron core thereafter.
6. At point E the neutralisation of the oscillator is adjusted. This adjustment pertains to the oscillator interference radiation; therefore, the trimmer E must not be turned.

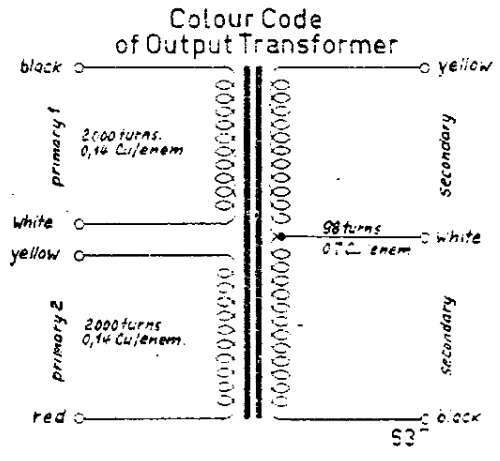
Instructions for adjusting FM – intermediate frequency (10.7 Mc)

1. Turn a wire around the RF tube ECC 85 and connect the wire with the signal-generator. Concect chassis of RF unit with ground of signal-generator. Connect instrument to 2nd speaker.
2. Detune circuits 9 and 3.
3. Adjust circuits with frequency modulated HF-tension (10.7 Mc) to maximum output. Sequence of adjustment: circuits 4, 5, 1, 2, 6, 7, 8, 3, 9.
4. Switch signal-generator 10.7 Mc to AM and adjust circuit 9 (ratio detector) exactly to minimum AM. Take care that tension of electrolytic condenser remains below 2 V. Instrument for measuring the tension of electrolytic condenser must have a resistance of more than 100 kiloohm.
5. To adjust the interference trap inside the FM tuner, connect signal-generator 10.7 Mc to a dipole-antenna jack and ground jack and adjust point B to minimum.



Rear view of chassis





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