

4. Damp IFT2 secondary, tune IFT2 primary for maximum DC output.

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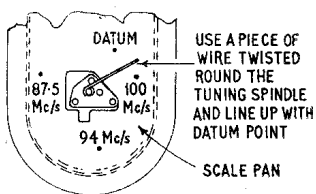
6. Retune IFT4 primary for maximum DC output.

7. Retune IFT4 secondary for zero on DC balance meter.

8. Inject 10.7mc/s at aerial sockets and tune IFT1 primary and secondary for maximum DC output.

RF

Setting up. An auxiliary scale is necessary for this operation, for which four punch marks in scale pan will serve. These constitute the calibration marks as shown in accompanying drawing.



A pointer should be made of 18swg wire and fixed to the tuning spindle as shown so that with the spindle fully anti-clockwise pointer lines up with datum mark on scale pan.

Procedure

1. Inject 87.5mc/s at aerial sockets. Set auxiliary scale pointer to 87.5mc/s on scale pan. Tune L4, L5/L6, by adjusting nut indicated in tuning cord drive diagram, for maximum DC output.

2. Inject 94mc/s at aerial sockets and set auxiliary pointer to 94mc/s. Tune L2/L3 for maximum DC output.

3. Check calibration.

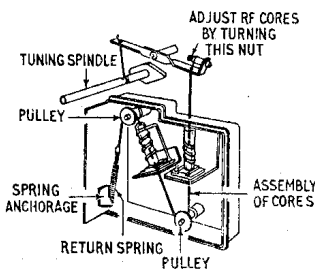
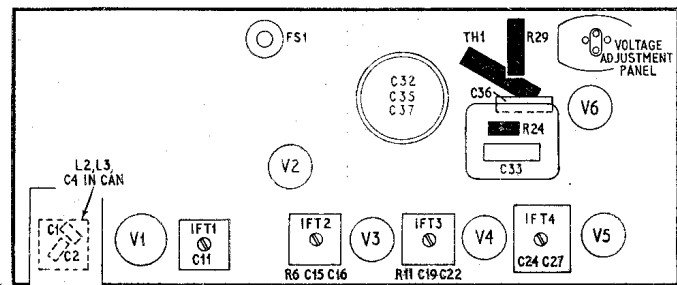
Note. TC1, oscillator bridge-balancing trimmer, is factory preset for minimum oscillator radiation, as is TC2 in conjunction with mechanical adjustment of L4 and L5/L6 for optimum calibration. These settings are unlikely to vary and no adjustment should be necessary.

If oscillator calibration is slightly changed by replacement of V1, cores should be retuned as described in operation 1.

CORD DRIVE REPLACEMENT

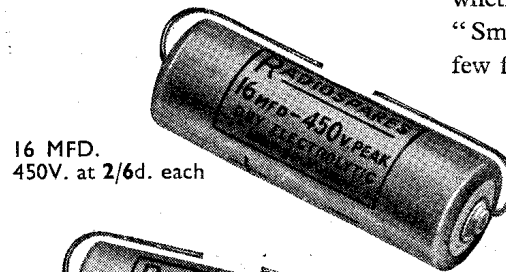
If the section of cord associated with the cores should break it is advisable to replace complete cord assembly. To do so, remove chassis from cabinet and remove scale pan after releasing two retaining screws. Remove VHF box cover and take out broken cord. So that retaining spring will be at minimum tension for attachment of new cord turn tuning spindle fully clockwise. Thread cord and core assembly through coil formers, hook return spring to its anchorage and fasten other end of cord to adjustment control, which is reset as described in alignment procedure.

If length of cord attached to tuning spindle is replaced, a length of 6in. will suffice, and anchoring spring should be adjusted so that lever swings equally about horizontal position over the tuning range. If necessary, cores should be reset by adjusting nut.

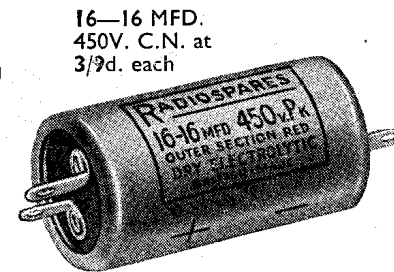


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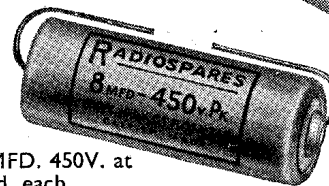
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