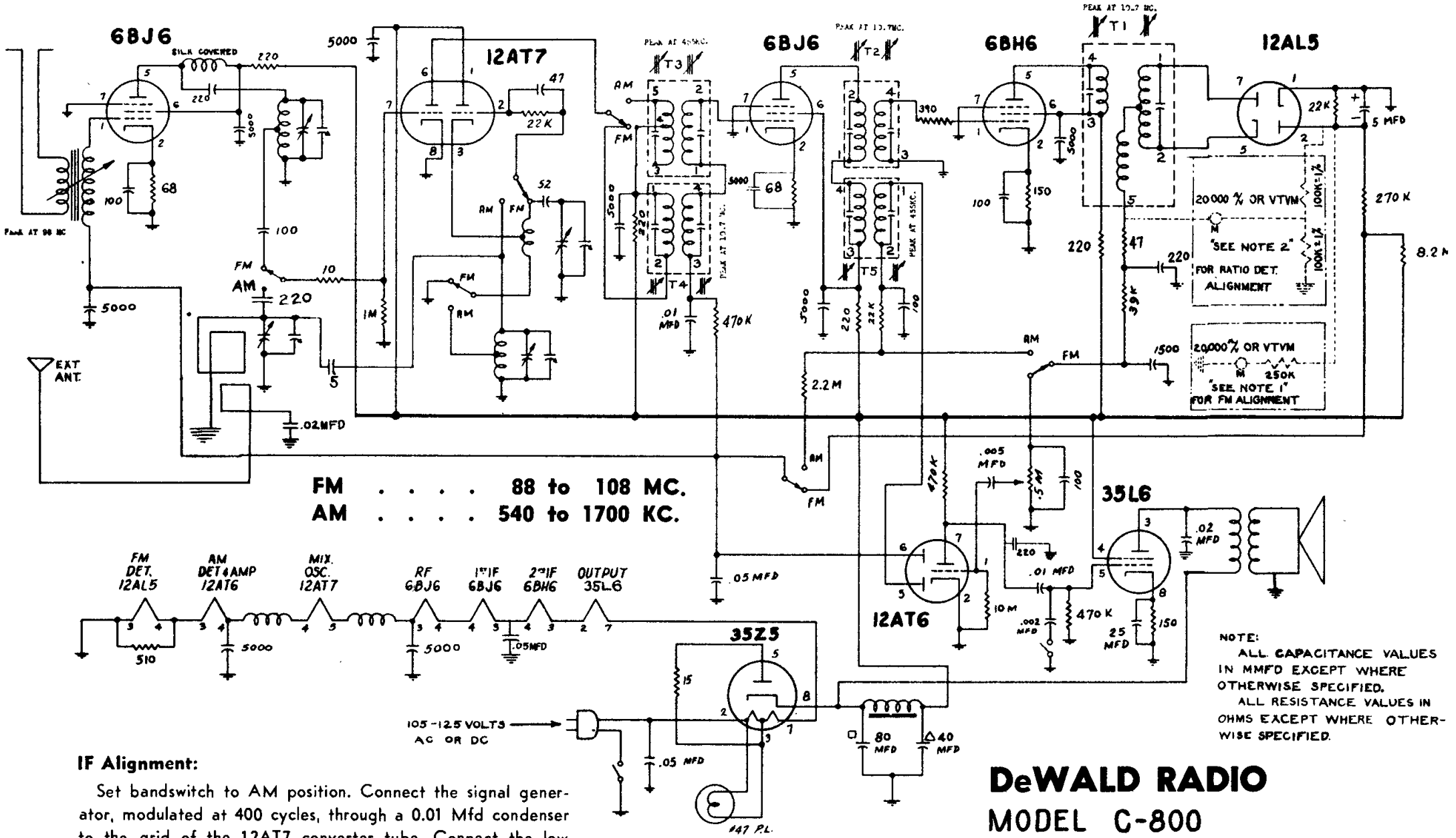

NOTE:
ALL CAPACITANCE VALUES IN MMFD EXCEPT WHERE OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES IN OHMS EXCEPT WHERE OTHERWISE SPECIFIED.

DeWALD RADIO
MODEL C-800

IF Alignment:

Set bandswitch to AM position. Connect the signal generator, modulated at 400 cycles, through a 0.01 Mfd condenser to the grid of the 12AT7 converter tube. Connect the low side of the generator through a 0.1 Mfd condenser to the receiver chassis. Adjust the signal generator to 455 KC. Tune primary and secondary slugs of T3 & T5, AM-IF Transformers, for maximum output.

For FM alignment set bandswitch to FM position and leave generator connected to the grid of the 12AT7 converter tube. Adjust generator to 10.7 MC. Connect 20,000 ohm per volt or VTVM meter as in note "1" of schematic diagram. Tune primary of T1, bottom slug, and both primary and secondary of T2 & T4 for maximum indication on meter. To align secondary of Ratio Detector Transformer connect meter as in note "2" of schematic diagram. Tune top slug through positive and negative indication and then slowly return until meter reads zero. This is in the center of the "S" curve.

NOTE 1. TO ALIGN FM-IF, TUNE PRIMARY OF T1, BOTTOM SLUG, AND BOTH PRIMARY AND SECONDARY OF T2 & T4 FOR MAXIMUM INDICATION OF METER.

NOTE 2. TO ALIGN SECONDARY ONLY OF RATIO DETECTOR TRANS., TUNE TOP SLUG THRU POSITIVE AND NEGATIVE INDICATION OF METER AND THEN SLOWLY RETURN UNTIL Meter READS ZERO.