

100 Union Street
LACONIA, NEW HAMPSHIRE

" SERVICE HINTS R2700 and R2700A "

I HUM IN AUDIO

Bad filter, cathode leakage 6BV8 (drop Fil. Volts) 3.3 - 2 Watts W.W. in series
Bad 6AQ5 or 12AX7

II QUIET OR DEAD RF OR IF STAGES

Start at the detector with your hand on the metal shaft of a screw driver with receiver Vol max and check each grid going back toward the front end. The speaker static should get louder with each stage of gain. If noise stops increasing, check that particular stage for trouble. Check both oscillators for proper drive.

III BURNED COMPONENTS (RESISTORS)

Check for shorted tubes or leaky bypass condensers in related ckt.

IV JUMPING FREQUENCY

Change 31.4 crystal, check oscillator drive (second 12AT7 grid). Should be at least 3 volts and stable. If not, try tube or manual tuning components. Check for broken ground on tuning trimmer.
Dial Calibration....(see our Receiver Manual).

S METER DOESN'T WORK

Check 6BV8, Dial plate loose, (take apart and cement or replace). Meter won't go to top on strong signal. Speaker magnet has slight affect on the meter. Reset pointer for mechanical zero at 40 over S Nine reading when replaced in unit.

I MOST COMMON TUBE TO FAIL - 6BC8

Sometimes the two 12AT7's

II DIAL SLIPS

Lubricate ball bearings and rear seat or replace. Alternative - cut disc of rubber same size as small knob. Install between large and small knob under slight pressure which eases torque.

III LOW SENSITIVITY

Change 1W67 diode or 6BC8. If set is noisy, also check 6BC8.

X LITTLE OR NO A.V.C.

Gassy 6BA6, check 6BC8 or .04 (C41) leaky on this line, or shorts in line to ground.

BLOWING FUSES

Pull 5Y3 or lift power supply lead to new silicone type. If still blows, check power supply. If not, check PL line.

If BF is okay, check Fil. Pull all tubes and both light bulbs. If fuse still blows, lift fil. transf. and check for a fil. bypass or wire short with ohm meter.

FUNDAMENTAL OVERLOAD ON RECEIVER, or receiving ear station in several places on band

(This occurs with a very strong signal.) Either the transmitter is overmodulating, or your Receiver lacks sufficient AGC. Check item X.

SERVICE HINTS R2700 and R2700A continued

I SQUELCH LEAKAGE

Replace 12Ax7

I LOSS OF AUDIO

12Ax7, 6AQ5

Leaky or open C44 (.04) or C45 (4MFD)

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