

RESTRICTED

RECEPTION SET R 206, MK. 2

TECHNICAL HANDBOOK - MODIFICATION INSTRUCTION

Prevention of break-through effect

SUMMARY

1. Under certain conditions a break-through effect appears on these sets due to powerful unwanted signals being rectified by the 1st and 2nd R.F. valves and the consequent A.F. voltage reaching the output valve via the common cathode line. The output-valve cathode will therefore be disconnected from the common cathode line and full A.V.C., or R.F. control voltage, will be applied to the 1st R.F. valve.

Time required to perform modification - 1 hour.

2. Items affected:-

R.F. and I.F./A.F. units of all Reception sets R 206, Mk. 2.

3. Action required by R.E.M.E. or Royal Signals personnel concerned.

4. Stores required: Nil.

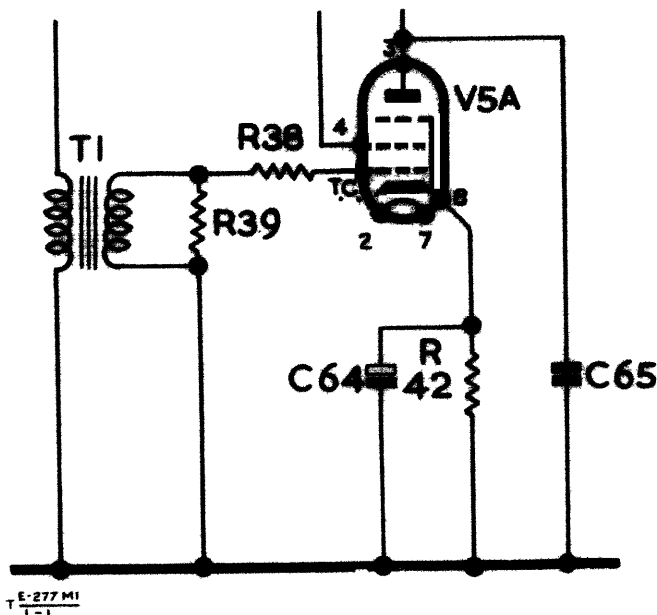


Fig. 1 - Modified circuit diagram of output stage

5. Remove the feedback circuit from the output stage, i.e., remove C66, R40 and R41.

Note: This modification may already have been carried out during manufacture on sets of serial Nos. 801 and above.

6. Connect the earthy end of T1 secondary to chassis.

7. Disconnect the earthy end of R42 from the cathode bias line and connect it to chassis.

8. Remove R2. Replace R1 (2.2M $\Omega$ ) by R2 (220k $\Omega$ ).

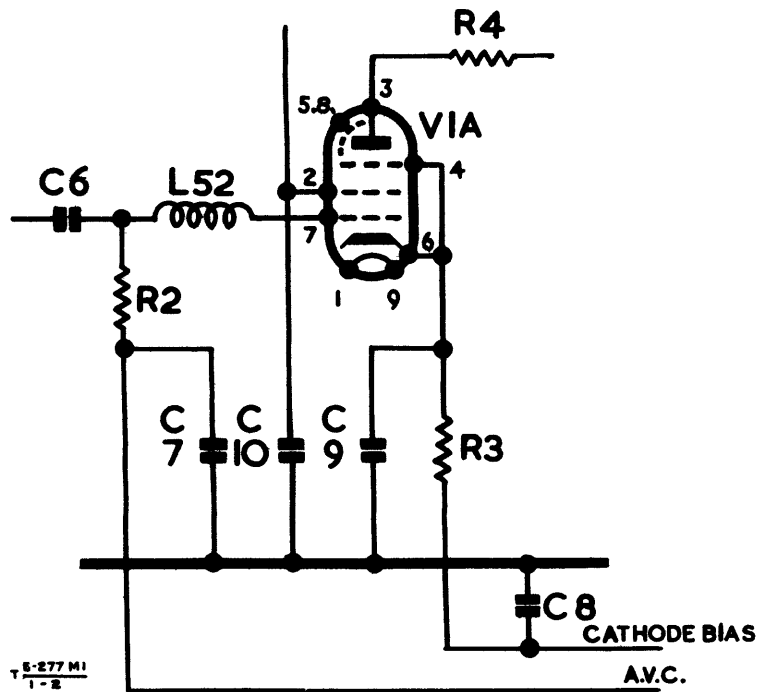


Fig. 2 - Modified circuit diagram of 1st R.F. amplifier

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