No.: Radio 83
Origin: Radio Engineering

TECHNICAL DATA SHEET

Date: 1st September, 1967.

CHASSIS TYPES T2, O3 AND U2.

PRODUCTION CHANGE — CHASSIS TYPES T2, O3 AND U2

A change has been made in production receivers of the complementary symmetry output transistor pair Types AX1103, AX1104 and associated biasing network (270 ohms. resistor and two AB1102 diodes). The transistors are being replaced by a pair of germanium transistors complete with cooling fins, Type OC987 and OC988 (E.M.I. Part Number for this pair is 932-2991), replace AX1103 and AX1104, respectively. A 47 ohms. thermistor (E.M.I. Part Number 752-0111) shunted by a 51 ohms. resistor (E.M.I. Part Number 740-1841) is used to replace the previous bias network.

A Circuit Diagram for the revised circuit section is shown on this Data Sheet.

Should failure of the Output Transistor pair AX1103 and AX1104 occur in the field, a Kit incorporating a pair of germanium transistors and the bias network components will be available from E.M.I. Service Divisions.

Instructions for fitting this "Modification Kit for Output Transistors Chassis Types T2, O3 or U2" are as follows:

Mounting—

By using the **uncut** pigtails of the OC987 and OC988, appropriately sleeved and soldered to the printed circuit board to permit maximum pigtail length, it is possible to mount the cooling fins supplied with these transistors on the same mounting centres as the original cooling fins.

In the case of the U2 chassis, the output transistors are mounted in a similar manner to the existing JC and JF chassis. For T2 and O3 chassis, the following mounting method is recommended.

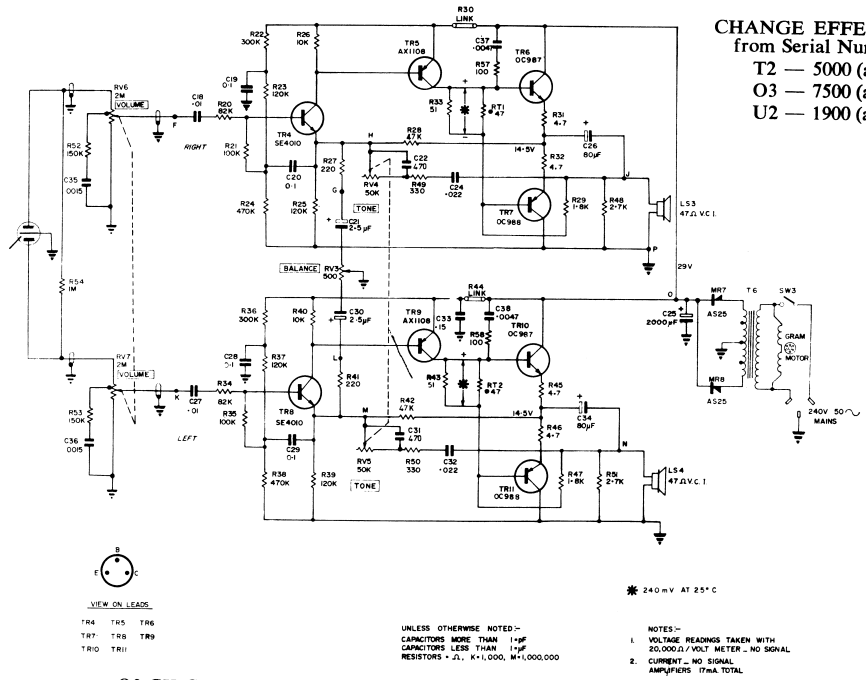
Loosen the upper board retaining bushes by rotating them. The cooling fins may now be wedged between the bushes and the chassis front plate. By tilting the cooling fins in such a manner that all four pins form a "W"—with the bottom of the fin touching the bushes, the output transistors may be mounted on top of each fin.

NOTE:

Modification in the field is not necessary except in receivers where the output pair AX1103, AX1104 have failed.

Where failure has occurred, replacement with the abovementioned germanium output pair and associated biasing network is recommended.

CHANGE EFFECTIVE:
from Serial Numbers—
T2 — 5000 (approx.)
O3 — 7500 (approx.)
U2 — 1900 (approx.)



O3 CIRCUIT DIAGRAM (T2 and U2 Output Pair Circuits are similar).

H.M.V. T2-03-U2

H47a.

H63

No.: Radio 83
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TECHNICAL DATA SHEET

CHASSIS TYPES T2, O3 AND U2.

PRODUCTION CHANGE — CHASSIS TYPES T2, O3 AND U2

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A Circuit Diagram for the revised circuit section is shown on this Data Sheet.

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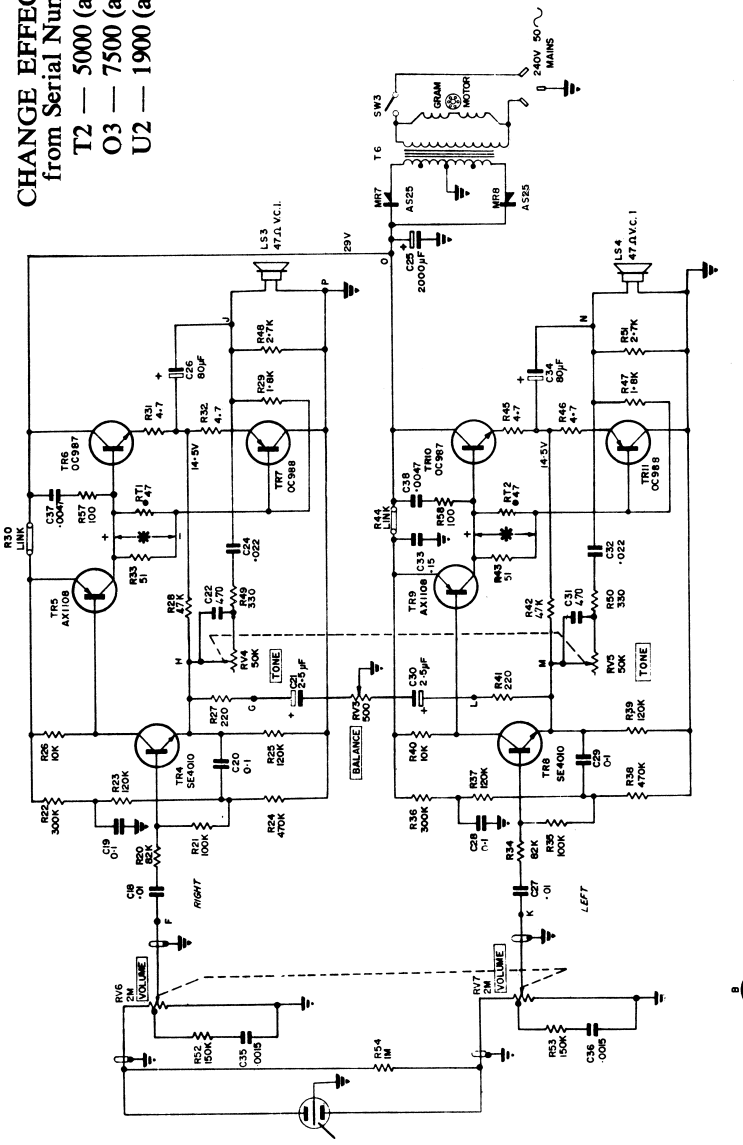
NOTE:

Modification in the field is not necessary except in receivers where the output pair AX1103, AX1104 have failed.

Where failure has occurred, replacement with the abovementioned germanium output pair and associated biasing network is recommended.

CHANGE EFFECTIVE:
from Serial Numbers—
T2 — 5000 (approx.)
O3 — 7500 (approx.)
U2 — 1900 (approx.)



O3 CIRCUIT DIAGRAM (T2 and U2 Output Pair Circuits are similar).