

FIELD ENGINEERING BULLETIN

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MODEL ATR-100

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SUPERSEDES

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TITLE: INPUT/OUTPUT MODULE FUSE BLOWING

I. APPLICABILITY

ATR-100 - All versions

II. PURPOSE

This modification eliminates the random blowing of F1 on the input/output module.

III. DISCUSSION

The fuse F1 in the input/output module which is presently rated at 0.5 amps, is designed to protect the line output transistors Q4 and Q5 from internal and external transients. Occasionally this fuse will blow without apparent reason. The following modification will prevent this occurrence and still effectively protect the circuit.

IV. PROCEDURE

1. In the input/output module, Ampex Part No. 4050827-xx, replace R49 and R50 with a 10 ohm, 3 Watt, 5% wire-wound resistor (Ampex Part No. 059-631) stood off from the board slightly.
2. Replace fuse F1 on the input/output module with a 0.750 A-FB, Ampex Part No. 070-031.
3. On each main audio PWA remove the plug in "Padnet" PWA Part No. 4050755-xx and replace R42 with a 470K, 1/4 Watt, 5% resistor (Ampex Part No. 066-652).

This completes the modification.