

FIELD ENGINEERING BULLETIN

TITLE: SHUT DOWN OF +20V DC SUPPLY TO AUDIO CIRCUITS

I. APPLICABILITY

ATR-100 -All versions- 4 track most affected.

II. PURPOSE

Due to a tolerance build-up in the +20V DC circuitry, the filtered +20V DC may shutdown during load conditions. A simple modification will prevent this.

III. DISCUSSION

The 4 track version is affected to a much greater degree because of the extra two channels of audio, however, all versions of the ATR should be modified.

IV. PARTS LIST & TOOLS REQUIRED

2 each Resistors, 30K, 1/4W. 5% COMP. - P/N 066-846

Common technicians hand tools.

V. PROCEDURE

Remove the bottom cover to the DC supply exposing the dynamic brake PWA P/N 4050794-02. (The newer version PWA P/N 4050882-xx does not need this modification). Remove the three screws holding the PWA in place and locate R4 and R12 which are 10K ohm. Remove both 10K ohm resistors and install the two 30K ohm resistors. This modification will assure that the current capacity of the +20V DC line is 4 amps.