



# Phase Linear

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## SERVICE BULLETIN #7721

Subject: 700B protection circuit

During the protection circuit test (page 15, Step #8 of 700(B) Service Manual) some 700B amplifiers may exhibit severe high-frequency oscillation in the short-circuit mode, often accompanied by the opening of the negative supply fuse. Any 700B which exhibits this problem should be modified as follows:

- 1) Desolder C17 (.05 mf ceramic) and discard.
- 2) Obtain a 130/1/2 watt resistor and a .005/100 v. capacitor.
- 3) Solder the series RC network across the base-collector junction of Q9 (2N1305) on the foil side of the PC board as shown in the diagram below.
- 4) Perform the protection circuit test once again and verify the proper operation of the modified protection circuit.

Note: 700B's with serial number greater than 4250 contain the above modification already.