

# McIntosh

This bulletin deals with RF suppression in the MA5100. The modifications described will increase the RF suppression capabilities of the amplifier.

If a "pop" is heard through the speakers when the amplifier is turned on, check to see if the on/off switch has a metal shield over it. Also, see if the wires going to the on/off switch are exposed or shielded. For maximum suppression of this "popping", the on/off switch and the wires to the switch should be shielded. If they are not, order the following parts:

1 Shield	McIntosh Part No. 001-474
1 Shielded Cable	McIntosh Part No. 170-025

These parts are available as a kit. Order McIntosh kit number 9043-696.

In a few installations in homes, there have been reports of "clicks" or "popping sounds" when appliances are turned on, refrigerators start, etc. Also, in homes situated near powerful radio stations, there have been a few reports of hearing the radio station in the phono mode. The following modification will eliminate these possibilities.

Two capacitors and one resistor are added in each channel of the MA5100. These parts are placed on the parts card on top of the chassis. They are in the low level input circuits.

Refer to the following diagram:

1. Add a 6.8 capacitor from base to collector of Q1. Add a similar capacitor to Q2.
2. Add a 39pf capacitor from base to emitter of Q1. Do likewise at Q2.
3. On the printed circuit board you will find a yellow wire (for the left channel) and a yellow/white wire (for the right channel). One end of these wires connects to the input selector switch. The other one connects to the printed circuit board near Q1 (for left channel) and Q2 (for right channel). Remove the wires from the printed circuit board.

# McIntosh

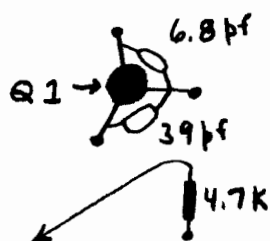
In their place install a 4.7K 1/4 watt resistor in each channel. The resistor should stand vertically on the board. Solder the end of the wire that you removed from the board to the other end of the 4.7K resistor.

## Parts Needed

2 -- 6.8pf capacitors	McIntosh part number 061-008
2 -- 39pf capacitors	McIntosh part number 061-017
2 -- 4.7K 1/4 watt resistors	McIntosh part number 136-298

Be sure to use the exact parts as specified.

A kit is available from the McIntosh Laboratory Service Department. Its part number is 9043-643.



Yellow wire to  
selector switch



Yellow/White wire  
to selector switch

NOTE: Keep all resistor and capacitor leads as short as possible. Solder the capacitor leads directly to the "legs" of the transistors.

