



SCOTT 210-A

SUPPRESSOR LEVEL CONTROL

The screwdriver adjustment marked SUPP. LEVEL (on the back of the Amplifier) is set at the factory at approximately correct sensitivity for operation with the particular General Electric variable reluctance pickup supplied, and the setting of this control should not be altered except as hereafter noted. The output from any tuner or pickup connected to the SUPP. IN jack should be adjusted to provide approximately the same operating level in the Amplifier as when the General Electric pickup is used on average records. The proper operation of the Dynamic Noise Suppressor depends on this input level adjustment. It should be set once, and henceforth the output volume should be controlled only by the VOLUME control on the Amplifier.

SETTING THE LEVEL ADJUSTMENT

Connect a 20,000 ohm-per-volt meter (with a 250 or 300 volt range) from the plate (pin #8) of the 6SQ7 (V5) in the rear corner of the chassis to ground. This can be most easily done using an adapter under the tube, rather than removing the bottom of the instrument. With the range switch on "10", set the suppression control so the meter reads 125 v. (suppression control somewhere near half on.) Play the 1000 cycle band of the Columbia 10004 M test record with the pickup in question. Adjust the suppression level control on the rear of the chassis so that the meter reads the following voltages for the three positions of the range switch:

POSITION	METER READING
10KC	245-250
8KC	220-225
5KC	185-195

This level control should be set so that the meter readings agree "on the average" with the above values for all positions of the range switch. (In the 20KC position, the meter should read well over 250 V. with or without any input signal.)

FREQUENCY RANGE SWITCH SHOWN IN 20 KC POSITION SWITCH SEQUENCE:
 1 20 KC
 2 10 KC
 3 8 KC
 4 5 KC

HUM
 On the Amplifier chassis are two screwdriver hum adjustments. These are set at the factory for minimum hum with the original tubes in the Amplifier. When new tubes are installed, or if hum becomes objectionable for any reason, these should be readjusted. The one nearest the control panel is set first, with the VOLUME control OFF (power switch on), BASS control on FULL, RANGE switch on 20 kc. Then the VOLUME control is turned on FULL and the second hum adjustment made. If hum still persists, the fault is often with the 6SQ7's or the 12SL7.

