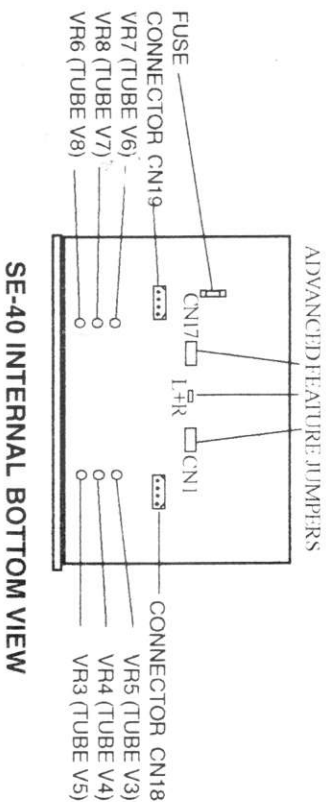
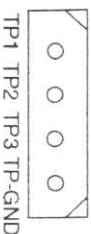


## 7.2 Bias Adjustment

A DIGITAL VOLTMETER, a PLASTIC ADJUSTMENT SCREW DRIVER and the 'EXTENSION TEST CONNECTOR' are required. Do not use a metal screw driver, it may cause short circuit or shock.



## CIRCUIT BOARD CONNECTORS AND ADJUSTMENT LOCATIONS



## TESTING POINTS ON 'EXTENSION TEST CONNECTOR'

### ADJUSTMENT PROCEDURES:

1. The SE-40 should be in a cold state. Disconnect all the input, output and AC power cables.
2. Carefully turn unit on its side, allowing access to the bottom of the unit.
3. Insert the 'Extended Test Connector' through the bottom cover of the chassis to the Connector CN18. You may need a ball pen (plastic) help to push the connector into place.
4. Connect the AC power only, and turn on the unit.
5. Allow the SE-40 to warm up for 30 minutes only.
6. Set your multimeter in testing 'DC Voltage' range.
6. Connect the (-ve) from the meter to the 'TP-GND'.
7. Connect the (+ve) from the meter to the TP1, observe and record the reading.
8. Use a plastic adjustment screw driver, slowly adjust the 'VR5' pot to obtain the necessary voltage.

## Bias Voltage for SE-40-----635 - 640mV DC

DO NOT SET THE BIAS VOLTAGE OVER THE 640mV DC LIMIT.

9. Repeat the same procedures again by connecting the (-ve) to 'TP-GND' again, (+ve) to 'TP2' and adjusting the 'VR4' pot.
10. Repeat the same procedures again by connecting the (-ve) to 'TP-GND' again, (+ve) to 'TP3' and adjusting the 'VR3' pot.
11. Turn the power off, remove the connector and re-installed in the CN19 location for the other channel. Turn the power on.
12. Similarly, repeat the same above procedures for the other channel by fixing the (-ve) from the voltmeter to 'TP-GND' for CN19, testing and adjusting the 'TP1' with 'VR7', 'TP2' with 'VR8' and 'TP3' with 'VR6'.
13. Re-check all the voltages again. Fine adjust if necessary.
14. The adjustment is completed.

## 7.3 Fuse Replacement

The fuse and the fuse holders is located inside the unit. Make sure to DISCONNECT THE POWER CORD before servicing.

Never bypass any fuse in the amplifier. Never replace a fuse with one of higher value.

## SE-40-----6A 250V Slow Blow, Short Type

*Instructions*  
OK

# REVISION 3.3 MANUAL

CW19

$$TP1 = V6 = VR7$$

$$TP2 = V7 = VR8$$

$$TP3 = V8 = VR6$$

CW18

$$TP1 = V3 = VR5$$

$$TP2 = V4 = VR4$$

$$TP3 = V5 = VR3$$

NOTES: TP'S LOOK AT CATHODE RESISTORS, 11Ω.