MAINTENANCE

THE FOLLOWING MAINTENANCE PROCEDURE SHOULD BE PERFORMED ONLY BY A QUALIFIED TECHNICIAN, AS THE AMPLIFIER RETAINS LETHAL VOLTAGES EVEN AFTER THE POWER IS TURNED OFF:

The only periodic maintenance recommended is that the bias voltages on the tubes be checked. Using a voltmeter and an alignment tool for turning the screw on a potentiometer the Technician can test or reset the bias voltages on the amplifier.

Locate the test pin points on the main circuit board (holes marked TP1, TP2, etc. Allow the amplifier to warm up for 30 minutes before starting the bias procedure.

For a properly biased amplifier, the Technician should measure:

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TP3	to TP1	= TP6 to TP3 = value between 140VDC - 180VDC.
TP5	to TP3	= -49 VDC
TP7	to TP1	= -49 VDC
TP2	to TP1	= 85 VDC
TP8	to TP3	= 195 VDC
TP9	to TP1	= 195 VDC

Procedure:

1. Set TP2 - TP1 = 85 VDC by adjusting Pot R205.

2. Set TP7 - TP1 = -49 VDC by adjusting Pot R56.

3. Set TP9 - TP1 = 195 VDC by adjusting Pot R71.

4. Set to TP3 - TP1 voltage equal to TP6 - TP3 voltage by adjusting Pot R71A.

5. Measure TP5 to TP3 voltage.

   If the voltage is less than 49 VDC then:

   Turn Pot R2 counter-clockwise about one turn. Redo steps 4 and 5.

   If the voltage is greater than 49 VDC then:

   Turn Pot R2 clockwise about one turn. Redo steps 4 and 5.

6. Go to step 1 and repeat steps 1 to 5 until amplifier is properly biased.