160A

COMPANY CONFIDENTIAL

TYPE 160A

FACTORY CALIBRATION PROCEDURE

RECOMMENDED EQUIPMENT

Oscilloscope (531 etc.)
Voltmeter
Load - any 160 series 360, etc.

PRELIMINARY INSPECTION

Check for unsoldered joints, rosin joints, cabinet clearance of protruding parts, wire dress and etc. Check sockets on rear of 160A especially for rosin joints.

1. Check resistance to ground of transformer primaries and all supplies. Check fuse 4A slow blo for 117 volts.

2. SET ADJ. -170 and ADJ. +225

Connect load to 160A and apply power. Set -170 and +225 adj. pots for correct voltages. These adjustments interact slightly. Check +150 volt supply, voltage should be above 146 volts minimum. Check +70 and +300 volt supplies for approximate voltages at 117 line volts.

Low line - Hi load Reg.
Hi line - Low load

3. CHECK RIPPLE AND REGULATION

With the voltages properly set, the supplies should regulate below 105 and above 125 line volts at minimum load or maximum load.

The ripple on the supplies should not exceed:

-170	25 millivolts		
+225	40 millivolts		
+150	10 millivolts		
+300	15 volts max. load	3 volts low load	--- Hi Line
+70	15 volts max. load	3 volts low load	

4. CHECK WIRING AND ORIENTATION

Check each socket on rear for proper wiring and orientation.

5. CHECK FOR POLARIZATION

Instruments with polarized plug should be checked for proper polarization. The hot lead should go to the rear of the fuse holder first and from the fuse holder through the on off switch before going to the transformer.

6. CHECK PILOT LIGHT