ELECTRON (VACUUM) TUBE TEST SET
KS-15559 HICKOK TUBE TESTER
DESCRIPTION AND APPLICATION

1. GENERAL

1.001 This addendum supplements Section 100-634-101, Issue 2.

1.002 This addendum is issued to add the procedure for using the KS-15840 L1 Micromhos Meter Calibrator.

5. CALIBRATION DATA

Add the following to Part 5 of the Section.

5.01.1 ***General Over-all Check***—In the absence of some specifically indicated trouble in the tester the KS-15840 L1 micromhos meter calibrator can be used to provide a check at certain important points on the ranges of the FUNCTION switch. The check is accomplished through a simulation of tubes under test and is only a broad indication that the micromhos meter and the associated circuits of the tester are accurate.

5.01.2 ***Procedure:***

(1) Place the KS-15840 L1 calibrator in a horizontal position adjacent to the KS tube tester to be checked. With the tube tester power switch off, insert the plug of the calibrator into the 5-pin test socket of the tube tester.

(2) On the calibrator, set the RANGE switch at HI 3000 and turn the METER ADJUST knob to full counterclockwise position.

(3) On the KS tester, set the main selectors at JR-0300-0.

(4) On the KS tester, set the FUNCTION switch at HIGH 3000.

(5) On the KS tester, set the FILAMENT switch at the 35-volt position.

(6) On the KS tester, check the zero setting of the Gm meter.

(7) On the KS tester, switch ac power on and adjust the line voltage to the red line on the AC VOLTS meter.

(8) On the KS tester, depress and lock the GM VR P4 push button.

(9) Check and adjust the ac voltmeters, if necessary, on both the calibrator and KS tester.

(10) Observe the micromhos reading on the KS tester.

Requirement: The reading should be 1000 micromhos within 1.5 scale divisions.

(11) Unlock the P4 push button.

(12) On the calibrator, set the RANGE switch at LO 6000.

(13) On the KS tester, set the FUNCTION switch at LOW SIGNAL 6000.

(14) Repeat items (8) through (10).

Requirement: The reading should be 5000 micromhos within 1.5 scale divisions.