

ELECTRON (VACUUM) TUBE TEST SET
KS-15560 L1 AND L2 HICKOK TUBE TESTERS
DESCRIPTION AND APPLICATION

1. GENERAL

1.001 This addendum supplements Section 100-635-101, Issue 3.

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.