

SUBJECT CONTACT CAP TESTER -
For Making Leverage Test

For making leverage tests on contact caps on tubes to test the strength of the cement and that of the glass seal (bead) to which the cap is cemented, a device consisting of a socket attached to and in axial alignment with a weight arm is required. The socket should fit snugly on the contact cap on which it is used.

TESTING PROCEDURE

(As used for testing 3903 contact caps on cathode-ray tubes.)

- Note - Unless otherwise specified, a moment of *1-1/2 inch-pounds must be used when testing contact caps.
- a. Hold the tube securely and in such a position that the glass wall at cap is vertical and the axis of the cap is horizontal.
 - b. Holding the weighted end of the lever in one hand, place the socket tightly over the cap; carefully release the weight to avoid jerking the cap and putting undue strain on it.
 - c. When the weight arm is supported entirely by the cap, rotate the tube around a vertical axis at the end of base of the contact cap, striving to keep the glass wall adjoining the cap as nearly vertical as possible.
 - d. If the test is satisfactorily completed, no damage will result to the cap, glass, or cement.

CONTACT CAP TESTS - % Tubes Tested

Shrinkage tubes should be tested when the herein given leverage test for contact caps is specified.

STANDARDIZING SECTION
ENGINEERING DEPT.