

**SELECTORS AND CONNECTORS
VARYING TESTS
700C AND 710C PBX
(DIAL EQUIPMENT)**

1. GENERAL:

1.1 This section describes a method of testing the pulsing features of selector and connector type switches with a portable interrupter machine.

This section has been reissued to include the 710C PBX in the title and convert it to letter size.

1.2 It is important that the speed of the interrupter machine be within the requirements specified in Specification X-70122 during the performance of this routine.

2. APPARATUS:

2.1 One Interrupter Machine (ES-360014 or A. E. Co. 25959-X).

2.2 One No. 875 Cord equipped with one No. 110 Plug and two No. 59 Cord Tips (used with interrupter machine per ES-360014).

2.3 No. 375-A Make-busy Tools, as required.

3. TEST PREPARATION:

ES-360014:

3.1 Connect the plug of the No. 875 cord to the BAT jack of the interrupter machine. Connect the white conductor of this cord to the equipment end of a selector or connector fuse, and the red conductor to ground. The interrupter machine should then start.

3.2 Operate the key designated MAX-LP, MIN-LP or SER-OUT to the MAX-LP or normal position (contacts open) to insert the loop resistance.

A. E. Co. 25959-X:

3.3 Connect the battery cord of the interrupter machine to the equipment end of a selector or connector fuse.

Note: In this case, the interrupter machine will not start until the plug is connected to a switch.

4. METHOD:

4.1 Connect the plug of the interrupter machine to the test jack of an idle selector or connector. Where an interrupter machine per A. E. Co. 25959-X is used, note that the interrupter machine starts when the plug is connected.

Note: When testing incoming selectors and incoming selector-connectors, the sleeve and ground springs of the interrupter machine plug should be short-circuited. On incoming selector-connectors, invert the plug and connect it to the four lower springs of the test jack.

Selectors and Selector-Connectors:

4.2 Hold the LOOP key operated and observe that the switch follows the impulses from the interrupter machine and cuts in on the ninth level. Release the LOOP key. Momentarily operate the RELEASE key and observe that the switch releases properly.

Note: When testing incoming selectors and incoming selector-connectors, it is necessary to remove the plug from the test jack to release the switch.

4.3 Repeat the operations outlined in paragraph 4.2, except that the SHUNT key should be operated instead of the LOOP key.

Connectors:

4.4 Hold the LOOP key operated and observe that the connector follows the impulses from the interrupter machine to terminal 99. Hunting connectors should automatically rotate from terminal 99 to 90. Release the LOOP key. Momentarily operate the RELEASE (RLSE) key and observe that the connector releases properly.

4.5 Repeat the operations outlined in paragraph 4.4, except that the SHUNT key should be operated instead of the LOOP key.

5. REPORTS:

5.1 The required record of this routine should be entered on the proper form.