

**TRUNKS FROM VACANT CONNECTOR TERMINALS  
OPERATION TESTS  
USING TRUNK TEST SET ES-30096-01  
STEP-BY-STEP SYSTEMS**

**1. GENERAL:**

- 1.1 This section describes a method of testing trunks from vacant connector terminals to intercepting positions.
- 1.2 Each time this routine is performed, a different connector should be selected so that eventually a test will have been made from each local and combination connector.
- 1.3 Any trunk on which a failure is encountered when making this routine, should be made busy until the trouble is cleared.

**2. APPARATUS:**

- 2.1 Selector Trunk Test Set—Wagon Type (ES-30096-01).
- 2.2 No. P3C Cord equipped with one No. 110 Plug and one No. 240-A Plug.
- 2.3 No. 728 Cord equipped with two No. 110 Plugs (used with battery jack).
- 2.4 No. 875 Cord equipped with one No. 110 Plug, two No. 59 and two No. 90 Cord Tips (used only when battery jacks are not furnished).
- 2.5 Operator's Telephone Set.

**3. PREPARATION:**

- 3.1 Locate the test set near the connectors from which the tests are to be made. By means of the No. 728 cord, connect jack B of the test set to the battery supply jack BAT on the connector frame.

Note: If a BAT jack is not available on the connector frame, insert the plug of the No. 875 cord into jack B of the test set. Connect the WHITE conductor end of this cord to a spare fuse or to the equipment end of a battery fuse in service and the RED conductor to ground. In no case should the capacity of the fuse selected exceed five amperes.

- 3.2 Connect the operator's telephone set to the test set jacks TEL.

- 3.3 Obtain a list of vacant connector terminal numbers associated with the trunks to be tested. These numbers can be obtained from the traffic department records.

Note: When more than one vacant connector terminal number is associated with one trunk, only one of the numbers should be called.

**4. METHOD:**

- 4.1 By means of the No. P3C cord, connect the TST jack of the test set to the test jack of an idle connector and operate the TALK key.
- 4.2 Dial the last two digits of a number which is cross-connected to the vacant terminal trunk. Observe that the connector stops on the right terminal and that ringing induction is heard in the receiver. Should the connector stop on a wrong terminal, release immediately to avoid ringing on a subscriber's line.
- 4.3 Observe that the SU lamp does not light when the operator answers. Should the SU lamp light, it would indicate a reversed trunk.
- 4.4 When the operator answers request her to leave the plug in the trunk jack until the trunk lamp relights and then to remove and re-insert the cord in the jack.
- 4.5 Release the connector by restoring the TALK key. Re-operate the TALK key and dial the same number. Ringing induction should be received and the trunk lamp at the switchboard should relight (the cord being in the jack). If the trunk lamp fails to relight, it usually indicates that the sleeve relay in the trunk circuit failed to release.
- 4.6 When the results of the above tests have been obtained, request the operator to disconnect.
- 4.7 Release the connector by restoring the TALK key.

**5. REPORTS:**

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