

LOCAL AND COMBINATION CONNECTORS
RAPID OPERATION TEST
USING CONNECTOR TEST SET PER DE-30061-01 OR DJ21300A-1
STEP-BY-STEP OFFICES

1. GENERAL

1.01 This section describes a method of making a rapid operation test of local connectors and of the local functions of combination connectors by means of the dial hand test set along with the DE-30061-01 or DJ21300A-1 connector test set.

1.02 It is reissued to:

- Revise the section title.
- Include connector test set DJ21300A-1.

Note: Marginal arrows used to denote changes are omitted.

1.03 Tests covered in this practice are:

- A — Regular and Rotary Hunting Connectors
- B — Level Hunting Connectors

1.04 The test line employed in making this test is connected to terminal 99 except in the case of rotary hunting and level hunting connectors. In rotary hunting groups, terminal 99 shall be made busy and the test line connected to terminal 90. Check hunting feature of the connector by directing the switch to terminal 99 and having it step to terminal 90. In the case of level hunting connectors, the test line is ordinarily connected to terminal 91. When the connectors are wired so as to hunt over a single group of one hundred terminals, use terminal 11 as the test line number.

1.05 To avoid the effects of resultant clicks, keep test receiver away from the ear while performing tripping and flashing tests.

1.06 If an "out-of-service" failure is encountered on any connector, make the connector busy in the approved manner until the trouble is cleared.

1.07 The required record of Tests A and B shall be entered on Form E-338.

2. APPARATUS

Tests A and B

2.01 Dial hand test set 1011-type or equivalent.

2.02 Connector test set DE-30061-01 or DJ 21300A-1 ("Y" wiring required in offices provided with test line SD-31719-01).

Test B Only

2.03 No. 893 cord equipped with two No. 360A tools (1W13B) and two No. 365 tools. (Required only when connector test line terminal number is 11.)

3. PREPARATION (For Both Tests)

3.01 Operate the switch of the 1011-type hand test set.

Offices Equipped With Connector Test Lines Having Jacks 3 and 4

3.02 Insert the BLACK shelled No. 310 plug of the connector test set into jack No. 3 of the connector test line.

3.03 Insert the GRAY shelled No. 310 plug of the connector test set into jack No. 4 of the connector test line.

Offices Equipped With Connector Test Line Circuit SD-31710-01

3.04 Insert the BLACK shelled No. 310 plug of the connector test set into jack (TL) of the connector test line.

3.05 Insert the GRAY shelled No. 310 plug of the connector test set into jack (B and G).

Offices Equipped With Connector Test Lines Having Jacks (R and B)

3.06 Insert the BLACK shelled No. 310 plug of the connector test set into jack R of the connector test line.

3.07 Insert the GRAY shelled No. 310 plug of the connector test set into jack B of the connector test line.

4. TEST PROCEDURES

STEP	PROCEDURE
	<p>A. Regular and Rotary Hunting Connectors</p> <p>1 If the connector under test is normal, insert the No. 240A plug of the hand test set into the connector test jack.</p> <p><i>Note:</i> If testing combination connectors, insert the plug into the local test jack.</p> <p>2 Dial connector test line number 99. Observe that connector steps to the ninth level and rotates to terminal 99 (or 90 in the case of rotary hunting connectors).</p> <div data-bbox="282 695 415 894" style="display: inline-block; vertical-align: middle;"> </div> <p><i>Caution:</i> If the connector stops on any other terminal, release immediately to avoid ringing on a subscriber line.</p> <p>3 Listen for ringing tone in test set receiver. Operate the No. 92 key of the connector test set and ascertain that the ringing has been tripped.</p> <p>4 Release and operate the No. 92 key of the connector test set. Listen for clicks in test receiver when key is operated and released as an indication that the transmission path is complete.</p> <p>5 Connector Arranged for Calling Party Control — With the No. 92 key of the connector test set operated, remove the plug of the hand test set from the test jack. Observe that the connector releases. Release the No. 92 key. Remove connector test set plugs from the connector line jacks unless other connectors in the same test line group are to be tested.</p> <p>6 Connector Arranged for Joint Control — With the No. 92 key of the connector test set operated, remove the plug of the hand test set from the test jack. Observe that the connector does not release. Release the No. 92 key and observe that the connector releases. Remove connector test set plugs from the connector line jacks unless other connectors in the same test line group are to be tested.</p> <p>B. Level Hunting Connectors</p> <p>1 If the connector under test is normal, insert the No. 240A plug of the hand test set into the test jack of the connector.</p> <p>2 If the connector test line number is 11, connect ground to the commutator terminal for level No. 1 by means of the No. 365 tool attached to the free end of the No. 893 cord.</p> <p>3 If the test line number is 91, dial the digit which will direct the switch to the ninth level. If the test line number is 11, dial any digit. Observe that the connector steps to the test line terminal.</p> <p><i>Note:</i> With connector test lines other than SD-31719-01, operating the No. 92 key of the connector test set causes the level hunting test line number to appear busy. During periods of heavy traffic, the No. 92 key shall be held operated until just before the switch has reached the test terminal.</p>

STEP	PROCEDURE
4	<p>Operate and release the No. 92 key of the connector test set. Listen for clicks in the test receiver when the key is operated and released as an indication that the transmission path is complete.</p>
5	<p>Connector Arranged for Calling Party Control — With the No. 92 key of the connector test set operated, remove the plug of the hand test set from the test jack. Observe that the connector releases. Release the No. 92 key. Remove ground clip connection from commutator level No. 1, if used. Remove connector test set plugs from connector line jacks unless other connectors in the same test line group are to be tested.</p>
6	<p>Connector Arranged for Joint Control — With the No. 92 key of the connector test set operated, remove the plug of the hand test set from the test jack. Observe that the connector does not release. Release the No. 92 key and observe that the connector releases. Remove ground clip connection from the commutator level No. 1, if used. Remove connector test set plugs from connector line jacks unless other connectors in the same test line group are to be tested.</p>