

ROTARY OUT TRUNK SWITCHES ARRANGED FOR PRESELECTION
OPERATION TESTS
USING ELDEMA ROTS TEST PLUG TE-1007-1
STEP-BY-STEP SYSTEMS

1. GENERAL

1.01 This section describes a method of testing 3-, 4-, and 5-wire rotary out trunk switches (ROTS) arranged for preselection, using the Eldema ROTS Test Plug TE-1007-1.

1.02 It is reissued to correct practice number error.

Note: Marginal arrows used to denote changes are omitted.

1.03 The Eldema ROTS test plug may also be used to verify a forward trace. To do this:

1. Remove the cover of the SL and ST relays.
2. Select an idle switch.
3. Using a 136B tool, block operated the associated SL relay.
4. Manually operate the associated ST relay until the desired trunk is selected.
5. Insert the test plug into the associated test jack.

1.04 The sleeve interrupter circuit of the test plug causes repeated seizures of the selected trunk. This enables an unassisted tester to proceed to the repeater or trunk equipment and verify the trace by either a manual or audible check without removing the equipment cover.

2. TRUNK CONTINUITY, POLARITY AND STEPPING TEST



2.01 Verify that the switch to be tested is idle by observing that the associated SL relay is released. Failure to do this could result in the action described in 1.04 and introduce heavy impulse noise into a busy connection.

2.02 Insert the test plug into the test jack. The switch will then step and continue to step and the green lamp designated STR on the rear of the test plug will light as the switch passes each idle trunk.

2.03 As each busy trunk is passed, the red lamp designated REV should light.

2.04 If the switch stops stepping and the STR lamp is lighted, the cause can be one of the following:

- Open sleeve.
- Relay A in the repeater or trunk equipment is out of adjustment.
- Tip or ring lead is crossed.
- Double connection.

2.05 If the switch stops stepping and neither lamp is lighted, it is an indication of an open tip or ring lead; with the REV lamp lighted, an indication of a reversed tip and ring.

NOTICE

Not for use or disclosure outside the
Bell System except under written agreement