

**LOOP DIALING TOLL TRANSMISSION SELECTORS
ASSOCIATED JACK METHOD OF COIN CONTROL
COIN CONTROL TESTS
USING TEST SETS SD-30387-01 (J34713A) OR ES-30007-01 (X61341)
STEP-BY-STEP SYSTEMS**

1. GENERAL

1.01 This section describes a method of testing the coin control features of toll transmission selectors (loop dialing) when used in connection with the associated jack method, by means of the coin box trunk and loop dialing toll train test set (wagon type).

1.02 This section is reissued to incorporate material from the addendum in its proper location. In this process marginal arrows have been omitted.

1.03 This routine requires the services of a tester at the selectors and a toll operator or assistant at the toll board.

1.04 This section is based upon the use of the No. 40-A remote control set. The dial and keys mounted on the test wagon may be used if desired.

1.05 Any selector or trunk on which a failure is encountered when making this routine should be made busy until the trouble is cleared.

1.06 The test equipment specified in this section is designed to apply proper marginal tests (simulated critical circuit conditions) when the circuit under test and the test equipment have an applied voltage of 48.5 to 50. In those offices where power plants are normally operated at more than 50 volts, the battery voltage should be reduced and maintained within the required limits while the tests are being made.

2. APPARATUS

2.01 Coin Box Trunk and Loop Dialing Toll Train Test Set SD-30387-011 (J34713) or (ES-30007-011), (X61222 or X61341).

2.02 No. 40-A Test Set (remote control).

2.03 Four P3E Cords equipped with No. 110 Plugs.

2.04 P4B Cord equipped with a No. 152 Plug and a No. 240-B Plug.

2.05 Operator's Telephone Set.

3. PREPARATION

3.01 With three P3E cords connect the test wagon jacks 2, 3 and 4 to the test line jacks 2, 3 and 4 of the group to be tested.

3.02 Connect the operator's telephone set to the test wagon jacks TEL.

3.03 Connect the remote control set plugs red, gray and black to the test wagon EXT jacks R, G and B, respectively.

3.04 Connect the test wagon jack 6 to the test line jack 6 with a P3E cord.

4. METHOD

4.01 Set the dials of the No. 509-A resistance panel at zero and operate the TS-OUT (T-SEL-OUT) key. This key shall be left in this position for the duration of the test.

4.02 Connect the No. 152 plug of the P4B cord to the test wagon jacks TST and the No. 240-B plug to the selector under test.

4.03 Operate the RLS key momentarily to prepare the test circuit. The GRD (GUARD) lamp should light.

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- 4.04 Operate and release the STP key to advance the test wagon selector to the WR (PTR) position.
- 4.05 Dial the test line number and observe that the BSY (BUSY) and SUPV lamps light.
- 4.06 Advance the test wagon selector to the C-TRK (COIN-TRK) position by operating the CBT-AR key. The SUPV lamp is extinguished.
- 4.07 Operate and release the ST key to simulate a coin deposited at a coin box station.
- 4.08 Operate the TOLL-O (TOLL-OPR) key and request the toll operator or assistant to insert the coin control cord into the associated jack of the trunk under test and to operate and release the coin collect key once. The CC (COIN-COL) lamp should flash once. The SUPV lamp may or may not flash.
- 4.09 Operate and release the ST key again.
- 4.10 Request the toll operator or assistant to operate and release the coin return key once. Note that the CR (COIN-RET) lamp flashes once. The SUPV lamp may or may not flash.
- 4.11 Verify the coin pilot functions with the operator.
- 4.12 Restore the CBT-AR key.
- 4.13 Operate the RLS key, restoring the circuits to normal.

5. REPORTS

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