

REPLACING PAGE ADDENDUM

Filing Instructions:

1. REMOVE FROM THE SECTION THE PAGES NUMBERED THE SAME AS THOSE ATTACHED TO THIS PINK SHEET.
2. INSERT THE ATTACHED PAGES INTO THE SECTION IN THEIR PLACE.
3. PLACE THIS PINK SHEET AHEAD OF PAGE 1 OF THE SECTION.

SELECTORS
OPERATION TESTS
USING DIAL HAND TEST SET
STEP-BY-STEP INTERTOLL DIALING OFFICES

1. GENERAL

1.001 This addendum supplements Section 227-100-500, Issue 5. The attached pages must be inserted in the section in accordance with the filing instructions above.

1.002 This addendum is issued to revise the drawing of the 240 K plug in Fig. 1. This addendum does not affect the Equipment Test List.

2. APPARATUS

The following change applies to Part 2 of the section: Fig. 1 revised.

Attached:

Page 1 dated June 1970 reissued

Page 2 dated June 1970 revised

SELECTORS
OPERATION TESTS
USING DIAL HAND TEST SET
STEP-BY-STEP INTERTOLL DIALING OFFICES

1. GENERAL

1.01 This section describes a method of testing the operating features of intertoll selectors, including intertoll transmission selectors, combined intertoll and toll transmission selectors, intertoll through selectors, and intertoll auxiliary selectors, using testing and maintenance talking trunk and test circuit SD-64604-01.

1.02 This section is reissued to generally bring it up to date. The use of the 40C test set has been deleted from this section because rotary speed tests are not prescribed in this section. The 40C test set is used in a separate section covering intertoll selector rotary speed tests. Since this reissue covers a general revision, arrows ordinarily used to indicate changes have been omitted.

1.03 The tests covered are:

A. Operation Test: This test checks the ability of the selector to respond to dial pulses, select level dialed, cut in, step over a busy trunk, and seize first idle trunk.

B. Trunk Group Busy Test: This test checks the ability of intertoll through selectors to recognize a trunk group busy condition and return the proper signal indication.

C. Posted Delay Test: This test checks the ability of intertoll through selectors to recognize a posted delay condition and return the proper signal indication.

1.04 When performing Test B, it will be necessary to determine from office records the number of switches permitted by the associated overflow circuit to stand against the particular level under test.

1.05 The test of the ability of the selector to rotate past a busy trunk should be performed on alternate test cycles by making the first trunk busy on level to be tested. On other test cycles, the first trunk should be left idle to test that selector does not overstep during rotary hunting.

1.06 Where the selector functions as other than an intertoll transmission selector, a different level should be used each time tests are performed so that eventually every selector will have been tested on each working level, except levels with trunks to switchboard positions. When testing selectors arranged to absorb digits repeatedly and/or once only, another level on which selector is not so arranged should be used for making tests for passing busy trunks and for faulty adjustment of the cut-through relay. A test to level on which digits are absorbed repeatedly, or once only, should be included to make a complete test of selectors.

1.07 Where an incoming or 2-way trunk circuit is associated with switch under test, the associated trunks should be made busy in approved manner during test.

1.08 These tests should preferably be performed during periods of light traffic.

1.09 After selector has cut through in nonpad control offices, and in pad control offices where trunk is arranged to remove pad in connecting circuit, T and R lamps should be lighted with approximately equal brilliancy. In pad control offices where trunk is arranged to retain pad in connecting circuit, T lamp in test circuit should be appreciably brighter than R lamp.

1.10 When verification in Part 4 calls for tone or flash, either or both may be present depending on features provided in the office in which tests are being made.

SECTION 227-100-500

1.11 Lettered Steps: A letter a, b, c, etc, added to a step number in Parts 3 and 4 of this section, indicates an action which may or may not be required depending on local conditions. The condition under which a lettered step or a series of lettered steps should be made is given in the ACTION column, and all steps governed by the same condition are designated by the same letter within a test. Where a condition does not apply, all steps designated by that letter should be omitted.

2. APPARATUS

All Tests

2.01 1011G handset (dial hand test set) equipped with one of the following cords:

Testing cord, W4AY cord, 8 feet long, equipped with one 471A jack and one 240A plug (4W10A cord), used when Fig. 7, 11 or Fig. 13 with Q option (SD-64604-01) is provided.

Testing cord, W2CK cord, 10 feet long, equipped with one 471A jack and one 310 plug, used when Fig. 13 without Q option (SD-64604-01) is provided.

2.02 Testing and maintenance talking trunk and test circuit SD-64604-01, Fig. 4 and 7 or Fig. 10 and 11 or 13.

2.03 Patching cord, P4K cord, 12 feet long, equipped with one 289B plug, one 240K plug and two E1 lamps connected as shown in Fig. 1.

2.04 477A (or 375A) (make-busy) tools, as required.

2.05 240A plug with terminals 1 and 2 strapped to terminal 4 (used when testing selector ability to step over a busy trunk).

Test B

2.06 Testing cord, 893 cord, 6 feet long, equipped with two 360A tools (1W13B cord) and two KS-6278 connecting clips.

2.07 240A plugs with springs 1 and 2 strapped to spring 4, as required.

Tests B and C

2.08 Testing cord assembly to be made up locally, as shown in Fig. 2. The assembly consists of one 508A key, one 18FA resistance (270 ohms), and two 893 cords, 6 feet long, one equipped with a 360A tool and a KS-6278 connecting clip and one equipped with a 360B tool and a KS-6278 connecting clip.

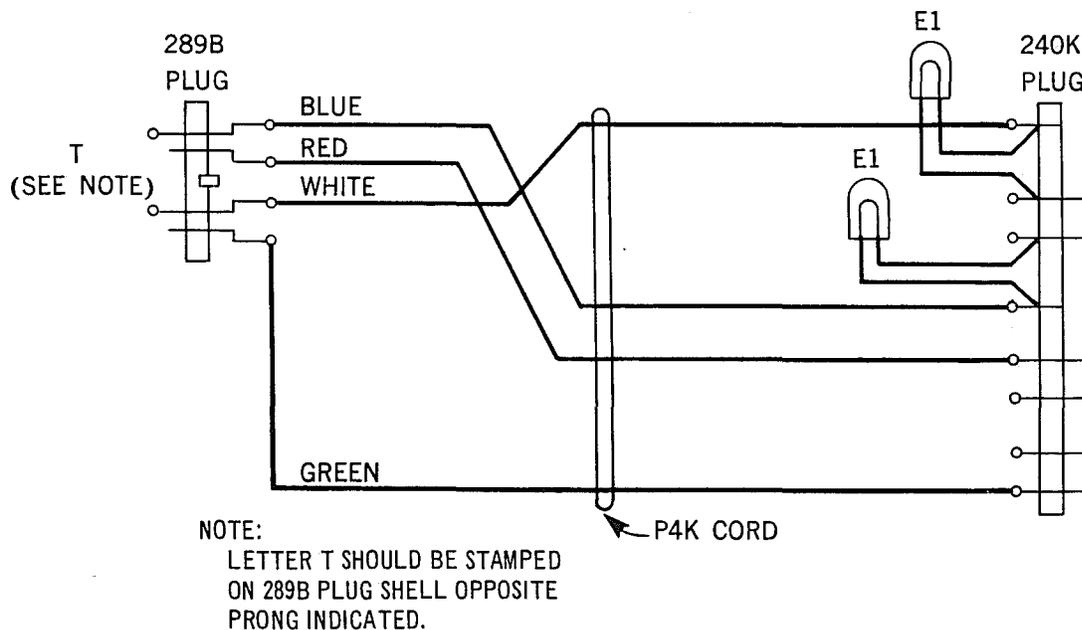


Fig. 1