

OPERATOR'S TRAINING CIRCUIT
 INTERTOLL TRUNKS
 TELETYPEWRITER SWITCHBOARDS 3A AND 3C

1. GENERAL

1.01 This section describes the method of making tests on the operator's intertoll trunk training circuit (SD-70475-01) associated with the 3A and 3C TWX switchboards.

1.02 This circuit is provided for training operators on the method of establishing connections to intertoll trunk circuits. It consists of a dummy repeater and is the equivalent of two ringdown intertoll trunk circuits. It is terminated in two regular intertoll trunk-multiple jack circuits. The LINE lamps associated with the multiple jack circuits are omitted in all but two positions. Connections to the training circuit are made with a regular switchboard cord circuit and calls may be originated in one position and answered in another position, to simulate the operating procedures on a regular intertoll trunk circuit.

2. APPARATUS

2.01 No apparatus will be required for these tests.

3. METHOD (Fig. 1)

3.01 Operate the OPR TR key. This closes the battery supply to the training circuit.

3.02 At POS. A and B: Select an idle cord circuit in each position and operate the typing keys to the HOME position.

Call to POS. B

3.03 At POS. A: Insert the CALL plug into the L1 jack. The BSY lamps of L1 and L2 should both light. The position teletypewriter should run closed and respond to typing from its keyboard.

3.04 At POS. A: Operate the TOLL RING key for approximately two seconds.

3.05 At POS. B: The LINE lamp associated with the L2 jack should light. Insert the CALL plug into the L2 jack. The LINE lamp should go out. The teletypewriter should run closed.

Typing Test

3.06 At POS. B: Type on the keyboard. The POS. A teletypewriter should respond.

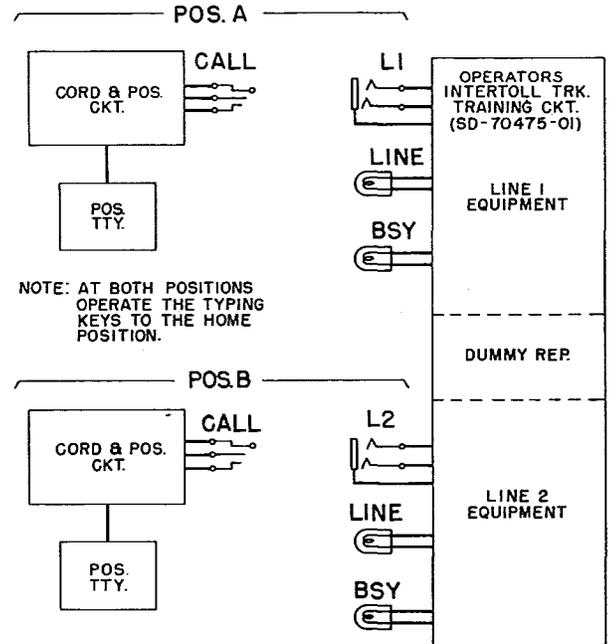


Fig. 1 - Intertoll-trunk Training Circuit

3.07 At POS. A: Type on the keyboard. The POS. B teletypewriter should respond.

Recall to POS. A

3.08 At POS. A: Restore the typing key to normal.

3.09 At POS. B: Operate the position RECALL key momentarily.

3.10 At POS. A: At the end of approximately seven seconds the calling-cord lamp should flash. Operate the typing key to the HOME position and the lamp should go out.

Recall to POS. B

3.11 At POS. B: Restore the typing key to normal.

3.12 At POS. A: Operate the position RECALL key momentarily.

3.13 At POS. B: At the end of approximately seven seconds the calling-cord

lamp should flash. Operate the typing key to the HOME position and the lamp should go out.

Disconnect Test

3.14 At POS. A: Operate the DISC key associated with the calling cord momentarily. At the end of approximately 10 seconds calling-cord lamps associated with the POS A and B cords should light steadily. Remove the plug from the L1 jack. The cord lamp should go out.

3.15 At POS. B: Remove the plug from the L2 jack. The calling-cord lamp should go out. The L1 and L2 BSY lamps should also go out.

Call to POS. A

3.16 At POS. B: Insert the CALL plug into the L2 jack. The L1 and L2 BSY lamps should light. The teletypewriter should respond to typing from its keyboard.

3.17 At POS. B: Operate the TOLL RING key for approximately two seconds.

3.18 At POS. A: The LINE lamp associated with the L1 jack should light. Insert the CALL plug into the L1 jack. The L1 LINE lamp should go out. The position teletypewriter should run closed.

Disconnect Test

3.19 At POS. B: Operate the DISC key associated with the CALL cord momentarily; at the end of approximately 10 seconds the calling-cord lamps associated with POS A and B calling cords should light steadily.

Restoring Equipment to Service

3.20 Remove the calling cords at POS A and B from the L1 and L2 jacks. The calling cord lamps and the L1 and L2 BSY lamps should go out.

3.21 Restore the OPR TR key to normal. Restore all position equipment to normal.

4. REPORTS

Enter the required records for these tests on the proper forms.

Bell Telephone Laboratories, Inc.