

Sumner Nelson

PRACTICE CIRCUITS

TELETYPEWRITER SWITCHBOARDS 3A AND 3C

1. GENERAL

- 1.01 This section describes a method of making operation tests on practice circuits (SD-70017-01) associated with 3A and 3C TWX switchboards.
- 1.02 This section was reissued to include the 3C TWX switchboard and to make a general revision. Because of the extent of revisions, the usual arrows to indicate changes have been omitted.
- 1.03 The practice circuit, when connected to a subscriber line or toll subscriber line jack, provides a special termination for the line and permits the customer to use the station teletypewriter for practice purposes. When this connection is established and a busy test is made at any multiple appearance of the subscriber line jack, a distinctive audible signal is registered to indicate that the line is connected to a practice circuit.
- 1.04 In offices where the supervisor's desk has not been provided and the supervisor's duties are carried out at a spare

operator's position at the switchboard, any mention of the "supervisor's desk" should be considered as applying to this supervisor's position at the switchboard, and any mention of the "TTY TRK" key should be considered as applying to the SPLIT key associated with this position teletypewriter.

- 1.05 These tests can be made at the switchboard by one man. However, since the supervisor's desk is usually remote from the switchboard, two persons can more readily handle the tests.

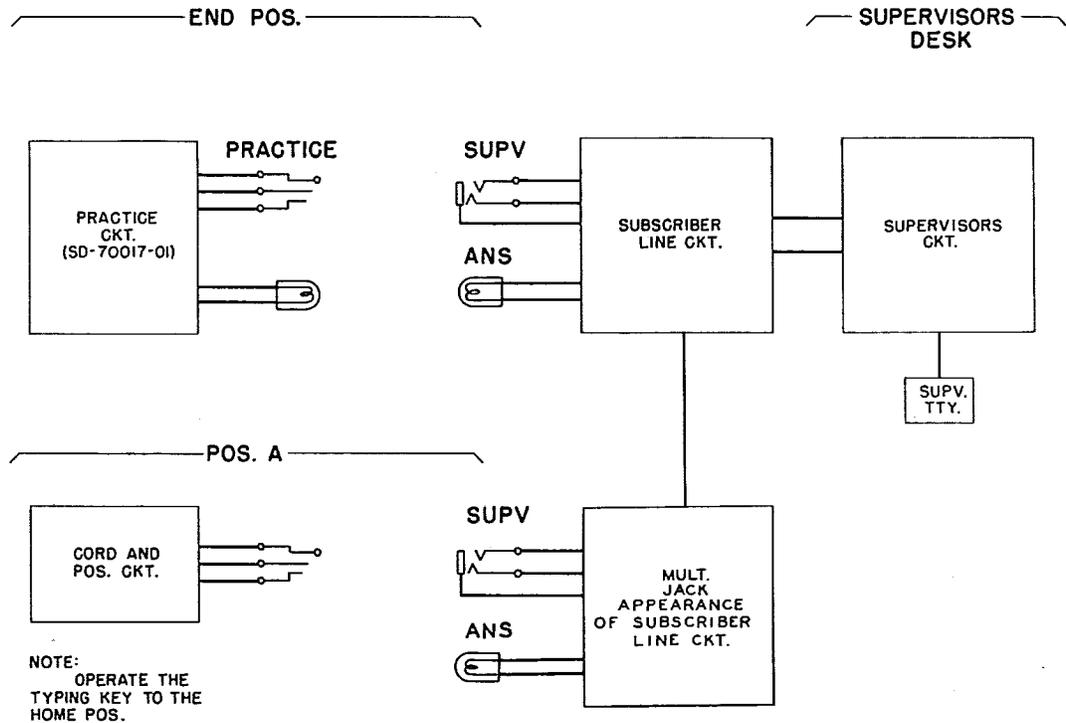
2. APPARATUS

- 2.01 One 3P7A cord will be required if the practice circuit is jack ended.

Note: This cord is normally provided as part of the switchboard equipment.

3. METHOD (Fig. 1)

- 3.01 At the Supervisor's Desk: Operate the teletypewriter power switch to the ON position. Operate the TTY TRK key to the CALL position.



NOTE:
 OPERATE THE
 TYPING KEY TO THE
 HOME POS.

Fig. 1 - Practice Circuit

3.02 At the END POS: The ANS lamp should light. Insert the plug of the practice cord into the SUPV jack. The ANS lamp should go out. The practice-cord lamp should not light.

Note: If the practice circuit is jack ended substitute the 3P7A cord for the practice cord, inserting one end of the cord into the practice jack and the other end into the SUPV jack.

3.03 At the Supervisor's Desk: The teletypewriter should run closed and should respond to typing from its own keyboard. Operate the TTY-TRK key to normal for approximately three seconds and then restore to the CALL position.

3.04 At the END POS: The practice-circuit lamp should light while the TTY-TRK key is in its normal position.

3.05 At POS A: Operate the typing key associated with an idle cord circuit to the HOME position. Touch the tip of the CALL plug to the sleeve of the SUPV 2 jack. The position buzzer should operate as long

as the plug tip is in contact with the jack sleeve. Insert the CALL plug into the multiple appearance of the SUPV jack.

3.06 At the END POS: The practice-circuit lamp should light.

3.07 At POS A: Type on the keyboard and the supervisor's teletypewriter should respond.

3.08 At the Supervisor's Desk: Restore the TTY TRK key to normal. Restore all position equipment to normal.

3.09 At POS A: The calling-cord lamp should light. Remove the cord from the SUPV jack. The lamp should go out. Restore all cord and position equipment to normal.

3.10 At the END POS: Remove the plug of the practice cord from the SUPV jack. The practice-circuit lamp should go out.

4. REPORTS

4.01 Enter the required record of these tests on the proper form.