DATA SET 403D-TYPE
MULTIPLE DATA SET STATION
TEST PROCEDURES

1. GENERAL

1.01 This section describes local and remote test procedures for data set 403D-type when used in a multiple data set installation with data auxiliary set 804K-type or remote console providing line control and telephone functions. These tests are to be made at the time of installation and as a means of clearing routine trouble.

1.02 This section is reissued to provide information on the use of an Automatic Data Test System (ADTS) with data set 403D-type. Since this reissue constitutes a general revision, arrows normally used to indicate changes have been omitted.

1.03 Before proceeding with any tests of the data set, verify the following:

(a) Data loop has been tested and meets requirements as specified in the section entitled Data Systems—Dataphone® Service and Data Access Arrangements on Direct Distance Dialing Network—Test Requirements for Subscriber, Foreign Exchange, and Remote Exchange Lines (314-205-501).

(b) Data auxiliary set 804K-type meets standard dc talk, signaling, and supervision requirements.

(c) Data set options agree with service order information.

Take necessary steps to ensure customer is not billed for test calls. Refer to the section entitled Crediting Charges on Test Calls (010-250-001).

2. LOCAL TEST

Data set 403D-type can be statically tested by an ADTS. For information on communicating with the automatic data test center, refer to the section entitled J1P005 Automatic Data Test System (ADTS)—Operation From Field Locations (590-010-500).

2.01 Key designations of data auxiliary set 804K-type are illustrated in Fig. 1. Each data set in a multiple data set station is assigned one illuminating line pushbutton and one illuminating test pushbutton.

2.02 The pushbutton functions are as follows:

(a) The line pushbuttons (L1 through L16), when illuminated, indicate that the associated data set is in the data or test mode. A request by the attendant at the remote (calling) station to speak to the attendant at the receiving station will cause a line pushbutton to flash (for example, L1). When pushbutton L1 on data auxiliary set 804K-type is depressed and the handset is removed from the cradle, pushbutton L1 will change from flashing to steady. The line may also be placed on hold by the HOLD pushbutton. In this case, the L1 and HOLD pushbuttons will wink.

(b) The test pushbuttons (T1 through T16), when illuminated, indicate that the associated data set is in the test mode and has been transferred from the data line to the service line. If the data set is released from the test mode but is still transferred to the service line, the test lamp will change from a steady to a winking indication.

(c) The service pushbutton (SER) provides access to a separate telephone line for testing the data sets one at a time. When not in use for testing it may be used for making normal telephone calls.

Note: Care must be taken to place only one data set in the test mode at a time.

(d) The test release pushbutton (TSTR) removes the data set from the service line, returns

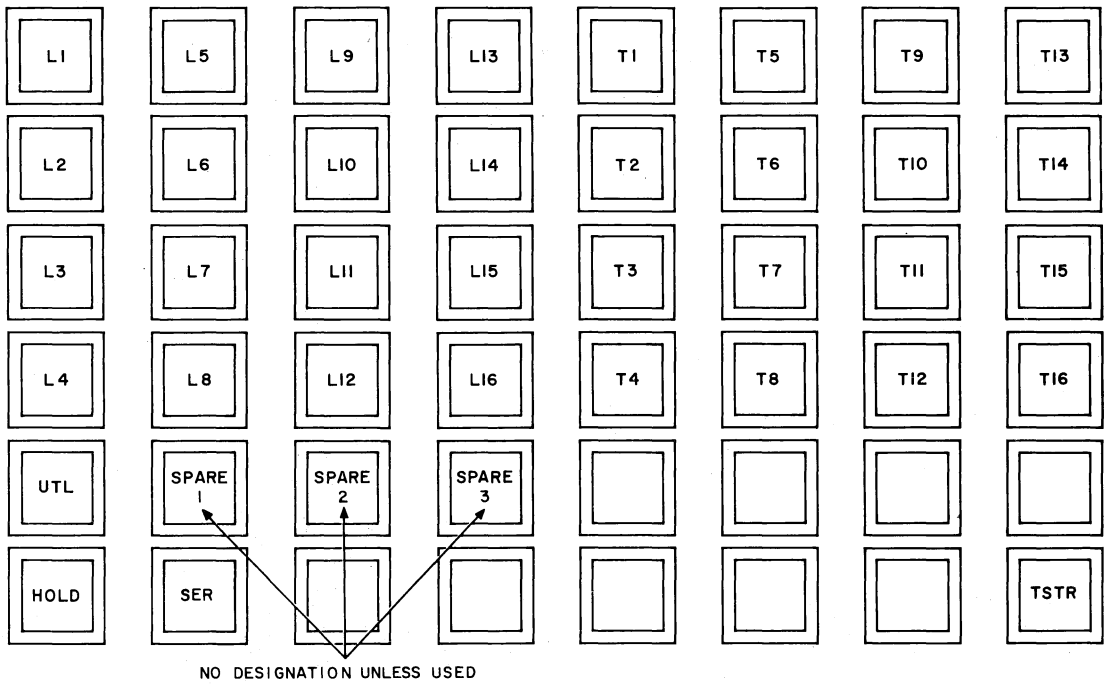

Fig. 1—Data Auxiliary Set 804K-Type Key Designations

it to its original data line, and releases the data set from the test mode.

(e) The utility pushbutton (UTL) provides access to an optional facility for making outgoing calls.

(f) The hold pushbutton (HOLD) places a data line, the service line, the utility line, and spare line 1 in the hold condition provided voice communication has been established on that line.

3. REMOTE TEST

3.01 A remote test of a multiple data set station using data auxiliary set 804K-type as the line control unit is given in Fig. 2 and Table A.

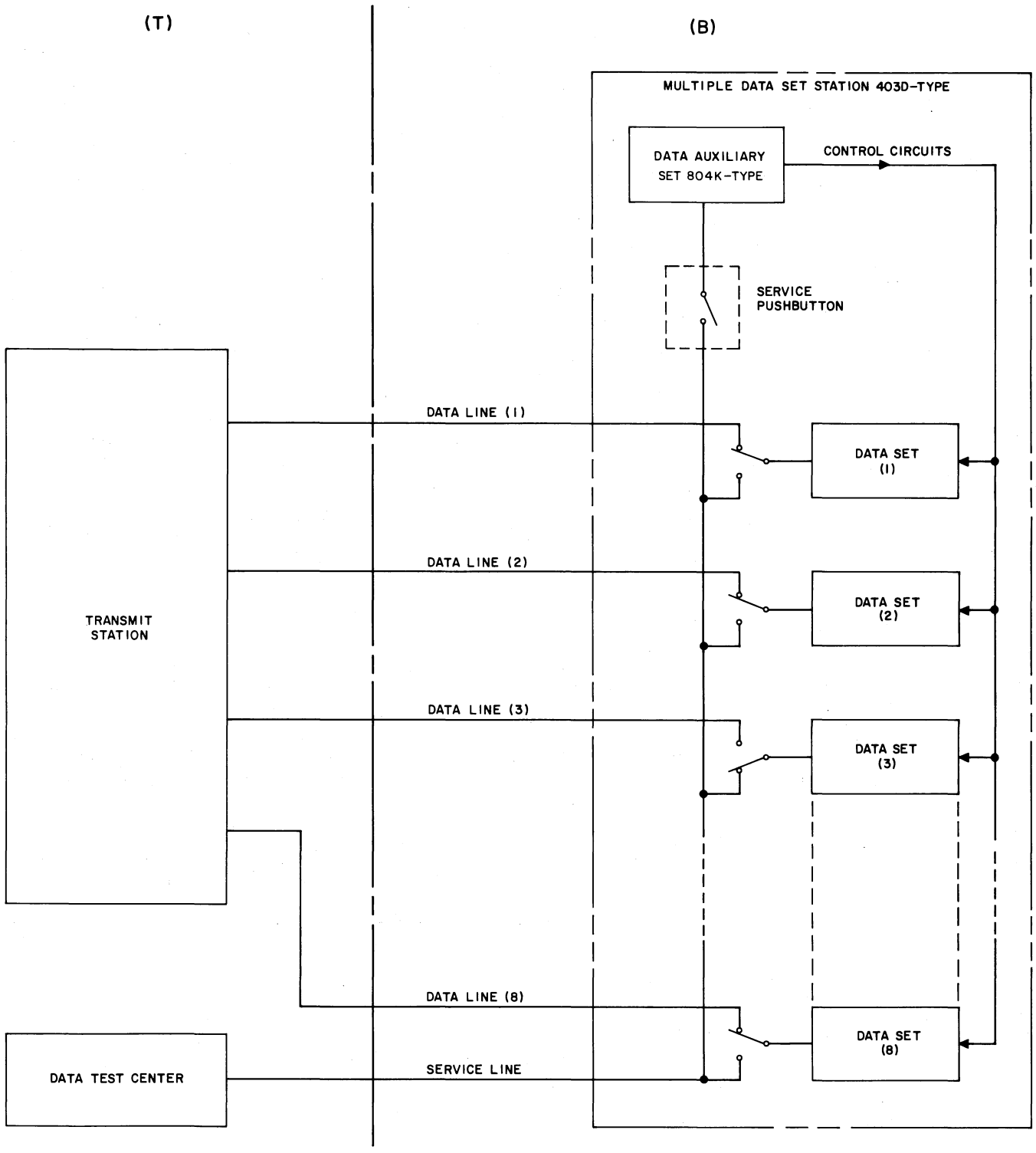

Fig. 2—Remote Test of Multiple Data Set Station With Data Set 3 Being Tested

TABLE A

REMOTE TEST OF MULTIPLE DATA SET STATION

STEP	OPERATION
1	Data test center receives trouble report and calls attendant (T to B, Fig. 2).
2	Attendant (B) recognizes incoming call because the SER line lamp on data auxiliary set 804K-type flashes. If bell is connected across service line, ringing will also occur on receiving an incoming call.
3	Attendant (B) answers by lifting handset from cradle and depressing the flashing SER line pushbutton.
4	Data test center instructs attendant (B) to depress appropriate test pushbutton and hang up. Test lamp lights. The data set customer interface leads are now temporarily transferred from the customer to test apparatus in the data set so they can be tested by the data test center.
5	Data test center calls appropriate data set at (B) and performs required tests.
6	Data test center transmits a combination of tones to data set at (B) to release data set from test mode. Test lamp winks.
7	Data test center calls attendant (B) and gives information as to status of data set.
8	Data test center hangs up. Attendant (B) returns data set to its original data line by depressing the TSTR pushbutton on data auxiliary set 804K-type. Test lamp extinguishes.
	Note 1: If found to be defective, the data set may remain on service line until replaced if no other data sets are to be tested. Otherwise, the data set should be released and transferred to its own line and placed "out-of-service."
	Note 2: If customer needs to release data set from test mode and place it in service mode before data test center completes tests, it may be accomplished by depressing TSTR pushbutton.