

DATA SET 403A-TYPE RECEIVER TEST PROCEDURES

1. GENERAL

1.01 This section describes local and remote test procedures for data set 403A-type. 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 for the following reasons:

- (a) To correct reference to Section 314-205-501.
- (b) To delete reference to the 24A loop checker.
- (c) To provide information on the use of an Automatic Data Test System (ADTS) with data set 403A-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 804C-type or 630- or 631-type telephone sets meet 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. REMOTE TESTS



*Data set 403A-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 For single data set stations using data auxiliary set 804C-type, refer to Fig. 1 and Table A for a typical remote test situation.

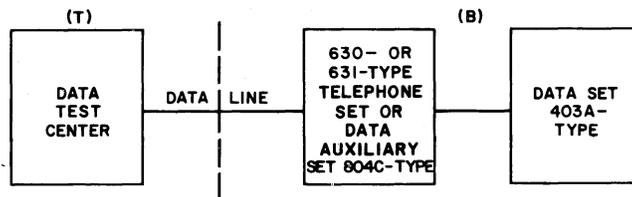


Fig. 1—Test Operation—Typical

2.02 For multiple data set stations using either a 630- or 631-type telephone set or multiples of these sets, refer to Fig. 1 and Table B for a typical remote test situation.

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TABLE A

REMOTE TEST OF A SINGLE DATA SET STATION

STEP	OPERATION
1	Data test center receives trouble report and calls attendant (T to B, Fig. 1).
2	Attendant (B) recognizes incoming call because of short bursts of ringing from data auxiliary set 804C-type.
3	Attendant (B) answers by lifting handset from cradle and depressing TALK pushbutton. TALK lamp lights.
4	Data test center instructs attendant (B) to depress TEST pushbutton and hang up. TALK lamp extinguishes and 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 data set (B) and a short burst from the ringer is heard. DATA lamp lights.
6	Data test center performs required tests on data set.
7	Data test center transmits a combination of tones to data set and line (B) is released. DATA and TEST lamps extinguish.
8	Data test center calls attendant (B) and gives information as to status of data set.
9	Data test center hangs up. <i>Note:</i> If TEST pushbutton is inadvertently depressed, attendant should depress TALK pushbutton and then DATA pushbutton, to release test mode.

TABLE B

REMOTE TEST OF MULTIPLE DATA SET STATION

STEP	OPERATION
1	Data test center receives trouble report and calls attendant (T to B, Fig. 1).
2	Attendant (B) recognizes incoming call because SERVICE LINE lamp of the 630- or 631-type telephone set 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 SERVICE 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 data set (B) and performs required tests.
6	Data test center transmits a combination of tones to data set and line (B) is released. TEST lamp flashes.
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 TEST RELEASE pushbutton on the 630- or 631-type telephone set. TEST lamp extinguishes.
	<i>Note:</i> If customer needs to release data set from test mode and place it in service mode before data test center completes tests, this may be accomplished by depressing TEST RELEASE pushbutton.