

## DATA AUXILIARY SET 811F-L1 TEST PROCEDURES

### 1. GENERAL

**1.001** This addendum supplements Section 598-070-500, Issue 1. Information contained in this addendum does not replace any information already contained in that section. The following information must be added at the end of Section 598-070-500.

**1.002** This addendum is issued to provide a signal path test of the Data Auxiliary Set (DAS) 811F-L1 connected to two Data Set 207 half-regenerators. This test is an addition to the previous tests and should not be used as a replacement for those tests. This test checks only the signal path. Alarm, control, and bypass functions of the regenerator station are not checked. To check these functions in Data Set 207, place the DAS 811F-L1 in the regenerator mode and perform the standard test for a Data Set 207 in the regenerator mode as outlined in Section 592-017-500. Parts A, B, and C of Section 598-070-500 check these functions in the DAS 811F-L1.

### 2. TESTING

The following additions apply to Part 2 of the section:

- (a) 2.10—added Test E (signal path test)

#### E. Signal Path Test

**2.10** Refer to Fig. 4 for a block diagram of the test configuration. Perform the test as follows:

- (a) With external patch cords, loop the line side of each Data Set 207 back to itself (T to T1, R to R1). On the A1 interface adapter of the Data Set 207, the connection would be B17 to B1 and A17 to A1.
- (b) Disconnect the customer equipment. Connect a strap from RD1 (pin 3) to SD2 (pin 11).

**Note:** To gain access to the connector terminals, plug the 901B Data Test Set (DTS) cover into the DAS 811F-L1 customer connector.

- (c) Connect 900-type test sets to the 901B DTS cover as follows:

1. Connect a clip lead from pin 2 (SD1) to the SIGNAL OUT terminal on the No. 1 903 DTS. Ground to pin 1.
2. Connect a clip lead from pin 18 (RSC1) to the EXT CLOCK terminal on the No. 1 903 DTS. Ground to pin 17.
3. Connect a clip lead from pin 9 (RD2) to the DATA IN terminal on the 902 DTS. Ground to pin 10.
4. Connect a clip lead from pin 21 (RSC2) to the EXT SYNC terminal on the 902 DTS. Ground to pin 22.
5. Connect the No. 2 903 DTS to the 902 DTS with the cord provided.

- (d) Set the data test set controls as follows:

● 902 DTS

BIT RATE switch to EXT SYNC

TRIGGER switch to - (minus)

Meter selection switch to DIST MEAS.

● 903 DTSs

BIT RATE switch to EXT CLOCK

RANDOM-DOT switch to RANDOM

TRIGGER switch to + (plus).

- (e) To disable the bypass circuits, reverse the CU1 cards on both Data Sets 207 such that the sets are in the terminator mode.
- (f) Remove strap C on card AR161 of the No. 1 Data Set 207. This card is in position C21.
- (g) On card AR161 of the No. 1 Data Set 207, move the straps on terminal A2 so that A2 is connected to A3.
- (h) Connect a clip lead from TP14 of the card in slot B07 to screw terminal C2 on card AR161. This connection is done on the No. 1 Data Set 207 only.
- (i) Apply power to the equipment.
- (j) On DAS 811F-L1, place the SYNCH switch in the ENABLE position, the BIT RATE switch in the 2400 position, and the MODE switch in the KEY CHANGE position.
- (k) Momentarily depress the START button on the No. 1 903 DTS.
- (l) Momentarily depress the WORD SYNC & RESET switch on the 902 DTS.
- (m) Conduct a standard error test for 5 minutes. No errors should be detected during the 5-minute test interval.
- (n) End of test. Restore the equipment to pretest conditions.

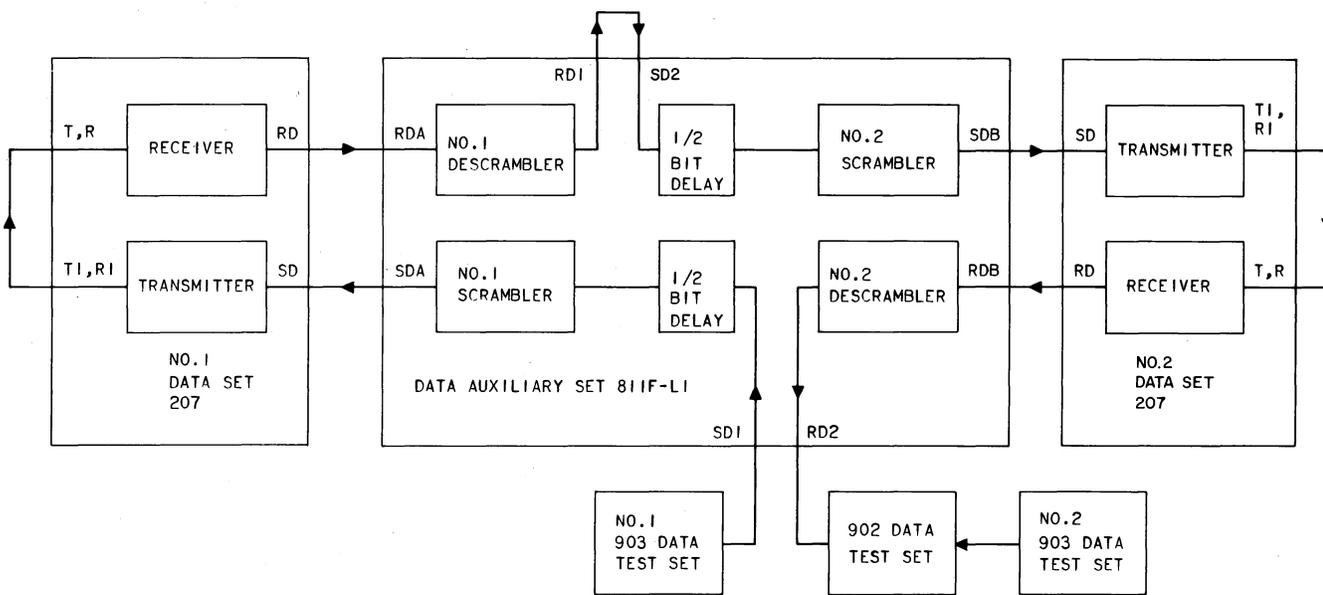


Fig. 4—Equipment Layout for Signal Path Test