

REPLACING PAGE ADDENDUM

Filing Instructions:

1. REMOVE FROM THE SECTION THE PAGES NUMBERED THE SAME AS THOSE ATTACHED TO THIS PINK SHEET.
2. INSERT THE ATTACHED PAGES INTO THE SECTION IN THEIR PLACE.
3. PLACE THIS PINK SHEET AHEAD OF PAGE 1 OF THE SECTION.

**DATA SET 108A- OR C-TYPE SINGLE PRIVATE LINE
STATION USING DATA AUXILIARY SET 820D-L1 OR
820D-L1A IN THE 10-TYPE DATA LINE CONCENTRATOR
SYSTEM (DLCS)
INSTALLATION AND CONNECTIONS**

1. GENERAL

1.001 This addendum supplements Section 591-023-210, Issue 2. The attached pages must be inserted in the section in accordance with the filing instructions above.

1.002 This addendum is issued to correct and clarify the portion dealing with trans-hybrid network strapping.

5. PREOPERATIVE ADJUSTMENTS AND TESTS

The following change applies to Part 5 of the section:

- (a) 5.03—revised.

Attached:

Page 9 dated May 1972—revised
Page 10 dated May 1972—reissued

5. PREOPERATIVE ADJUSTMENTS AND TESTS

Desensitizing Pad Strapping

5.01 Verify that the loop has been tested and meets requirements. Refer to the section entitled Private Line Data Circuits—Voice Bandwidth Circuits for Miscellaneous Data—Overall Tests and Requirements (314-410-500). Loop loss testing procedures and requirements for Data Set 108A- or C-type are given in the section entitled Data Set 108A- or C-Type Single Private Line Station—Using Data Auxiliary Set 820D-L1A—in Data Line Concentrator System—Test Procedures (591-023-510).

5.02 Screw switch D on Data Set 108A- or C-type was closed to provide maximum sensitivity (maximum gain of receive-amplifier stage) during manufacturing tests. The gain of the stage may be reduced in 4-dB steps and should be adjusted to meet the requirements of the individual installation. Table B shows the condition of the screw switches for each gain setting. The screw switches should be set according to the service order or circuit layout record card.

TABLE B

**SCREW SWITCH D SETTINGS FOR
DESENSITIZING PAD STRAPPING**

LOOP FACILITY WITH 2300 HZ LOSSES (DB)	DB REDUCTION IN GAIN	SCREW SWITCH D	
		CLOSED	OPEN
0 to 3	8		1-2, 3-4
3.1 to 7	4	1-2	3-4
7.1 and Greater	0	3-4	1-2

Hybrid Network Strapping

5.03 Strapping of the hybrid is determined by the loop impedance of the facility. Table

C shows typical loop impedance when the cable makeup is known. An example of a good compromise strapping of the hybrid network for most applications is indicated in Table D under Loop Impedance 900 Ohms. If the received signal level at the station is below \blacktriangledown -30 \blacktriangleleft dBm with the 900-ohm strapping installed, change the strapping and screw switch setting to optimize the receive signal level in accordance with Table D.

Note: The hybrid network strapping arrangement should be provided on the service order or circuit layout record card.

Data Set Level Adjustment



Tip and ring connections must be disconnected for data set level adjustment.

5.04 Connect the TTY power cord \blacktriangleright (TTY stations) or KS-14532-L16 cord (CPT stations) \blacktriangleleft to a

TABLE C

TYPICAL LOOP IMPEDANCE

TYPICAL LOOP FACILITY	TYPICAL LOOP IMPEDANCE	
	DATA SET 108A-TYPE (2125 Hz)	DATA SET 108C-TYPE (1170 Hz)
26 NL (HC)	650	900
24 NL (HC)	500	700
22 NL (HC)	400	550
19 NL (HC)	280	400
16 NL (HC)	200	280
26 H88 (HC)	1300	1180
24 H88 (HC)	1260	1080
22 H88 (HC)	1250	1060
19 H88 (HC)	1240	1030
16 H88 (HC)	1340	1130

NL — Nonloaded (HC) — High Capacity

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customer-provided 117-volt, 60-Hz ac power outlet and adjust the data set output level as follows.

- (1) Connect the + and - terminals of a TTS-28 portable station test set to TP1 and TP2, respectively, on the front of the data set.
- (2) Set TTS-28 FUNCTION switch to DBM 900Ω TERM 0.
- (3) Adjust R11 of data set for output level specified on service order or circuit layout record card.

5.05 Connect the transmission facility tip and ring to TB1-1 and TB1-2, respectively, of DAS 820D-L1A. If the station being installed is a TTY station, replace the rear panel or front cover of the TTY by reversing the procedure given in 3.05 or 3.06, respectively.

5.06 Perform the installation tests in accordance with the section entitled Data Set 108A- or C-Type Single Private Line Station—Using Data Auxiliary Set 820D-L1A—in Data Line Concentrator System—Test Procedures (591-023-510).

**TABLE D
HYBRID NETWORK STRAPPING**

LOOP IMPEDANCE	DATA SET 108A- AND 108C-TYPE SCREW SWITCH C CLOSED	DATA SET 108A-TYPE E-F CONNECTION	DATA SET 108C-TYPE A-B CONNECTION
1255	2-3	Cut	Cut
900	2-3	Strapped	Strapped
850	1-2	Cut	Cut
750	3-4	Cut	Cut
575	1-2, 3-4	Cut	Cut
500	1-2	Strapped	Strapped
410	3-4	Strapped	Strapped
220	1-2, 3-4	Strapped	Strapped