

DATA AUXILIARY SET 811B-TYPE TEST PROCEDURES

1. GENERAL

1.01 This section provides information and test procedures used in testing the Data Auxiliary Set 811B-type (Fig. 1), hereafter referred to in this section as a DAS 811B-type (or appropriate

model number). These test procedures are designed to test the DAS 811B-type as installed, ie, as part of the station installation, instead of checking the separate circuits or components on an individual "bench test" basis.

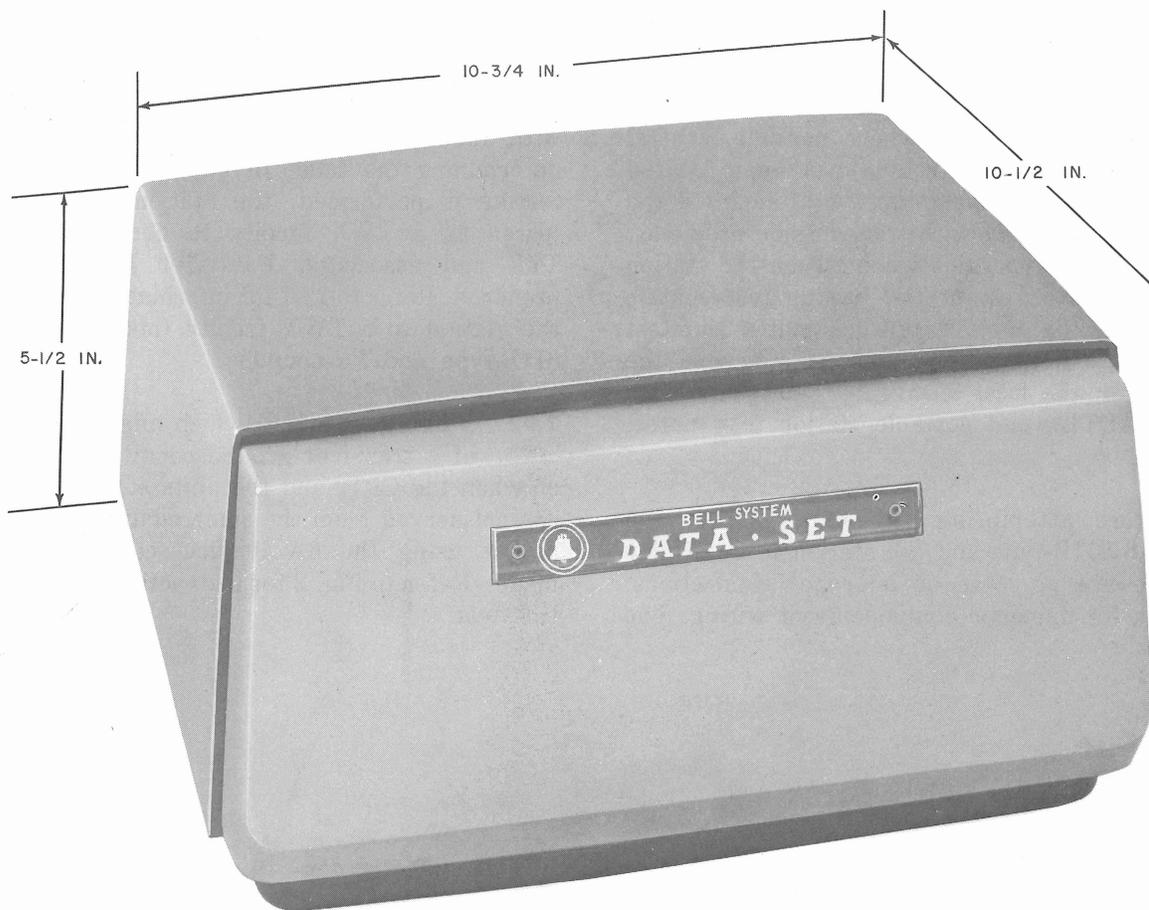


Fig. 1—Data Auxiliary Set 811B1 or Data Auxiliary Set 811B3—Front View

1.02 This section is reissued to include coverage on the Data Auxiliary Set 811B3 and Data Auxiliary Set 811B4 and to update the information

provided on the Data Auxiliary Set 811B1 and Data Auxiliary Set 811B2. Due to extensive changes, marginal arrows have been omitted.

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1.03 The following tests should be performed at the time of installation and when clearing a trouble condition.

1.04 The test procedure is subdivided into two main parts. The first part covers the testing of 3-row stations in the various operating modes. The second part covers the testing of a 4-row station in the various operating modes. Each section is a complete station test as a station is arranged for either 3- or 4-row operation.

1.05 Make sure that the customer is not charged for any test calls that are made in conjunction with the testing of the DAS 811B-type. Refer to the section entitled Crediting Charges On Test Calls (010-250-001).

1.06 It is assumed that, where possible, central office equipment trouble has been located and cleared before dispatching a craftsman to the station. When dealing with transmission problems, tests may require coordination between the station and the central office, or the backup test center. The term backup test center designates the test center that is arranged to make tests beyond the capabilities of the local test center, automatic data test line (ADTL), and portable station test meter.

1.07 Before attempting any test, inspect the DAS 811B-type and the station to determine that there are no loose or improper connections. Also check for damaged components or wiring. The

relay terminals on the DAS 811B-type should be carefully inspected.

1.08 Make sure the DAS 811B-type is installed in accordance with the section entitled Data Auxiliary Set 811B-Type—Installation (598-049-200).

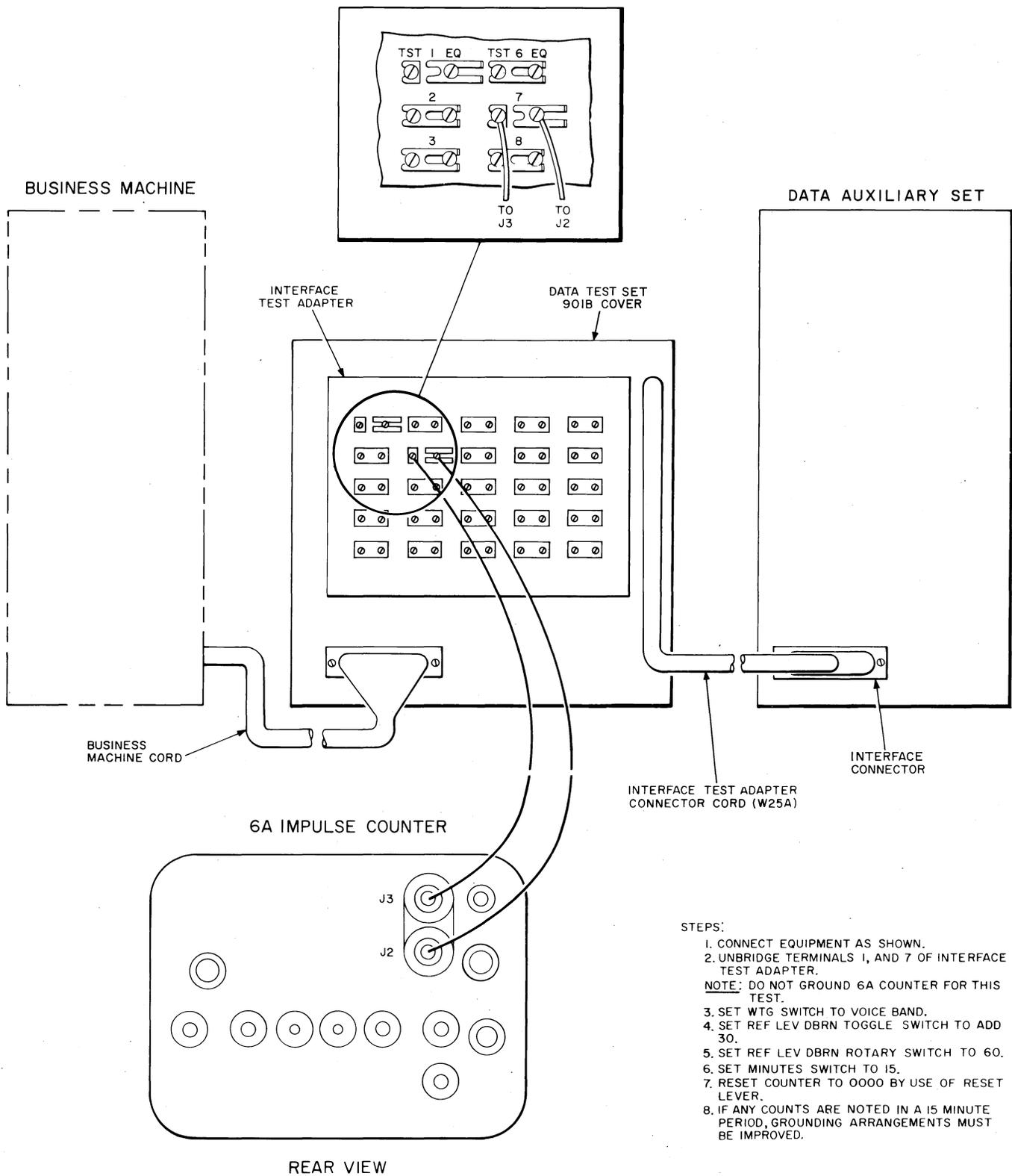
1.09 Other units that make up the data station will be tested in accordance with the applicable sections as testing of these individual units is not covered in this BSP.

2. TEST PROCEDURES

GENERAL TEST INFORMATION

2.01 Testing of the DAS 811B-type is accomplished by testing the entire station assembly. This checks the overall operation of the DAS 811B-type with the other units of the station and aids in determining the cause of any trouble. When any testing is performed, the station should first be tested as a TWX facility to determine that the TTY and associated Data Set 101-type operate properly. Refer to 2.07 for information on converting the station to a TWX facility (not using the DAS 811B-type and 1A coupler).

2.02 When data errors which might be the result of a transient ground condition are present, or when the CPTs and the units of the data station are not served from the same ac distribution panel, a test using the 6A impulse counter should be made. Refer to Fig. 2 for instructions on performing this test.



- STEPS:
1. CONNECT EQUIPMENT AS SHOWN.
 2. UNBRIDGE TERMINALS 1, AND 7 OF INTERFACE TEST ADAPTER.
- NOTE: DO NOT GROUND 6A COUNTER FOR THIS TEST.
3. SET WTG SWITCH TO VOICE BAND.
 4. SET REF LEV DBRN TOGGLE SWITCH TO ADD 30.
 5. SET REF LEV DBRN ROTARY SWITCH TO 60.
 6. SET MINUTES SWITCH TO 15.
 7. RESET COUNTER TO 0000 BY USE OF RESET LEVER.
 8. IF ANY COUNTS ARE NOTED IN A 15 MINUTE PERIOD, GROUNDING ARRANGEMENTS MUST BE IMPROVED.

Fig. 2—6A Impulse Counter Test

2.03 In the intercept mode, the TEST key provides loop-around features for testing with the test board. In this condition, the regenerator card is in the circuit.

Note: When the TEST key on the attendant circuit or subscriber set is depressed, the data set timer is not disabled as in manual TWX operation. The test center should not send a steady spacing signal. If it is necessary to check the spacing frequency, the timer card in the Data Set 101-type can be removed.

2.04 If the regenerator is suspected of causing a trouble condition or if the margins of the sending or receiving equipment require testing, the regenerative feature of the signal regenerator may be bypassed. This can be accomplished by positioning the regenerator screw terminals as

follows. For the location of the regenerator screw terminals, refer to Fig. 3.

- Regenerator out of the circuit—

Open terminals D4 and D6.

Close terminals D1 and D3.

- Regenerator in the circuit—

Open terminals D1 and D3.

Close terminals D4 and D6.

Note: The location and setting of the regenerator screw terminals, to bypass the regenerative feature, is identical for all models of the DAS 811B-type; therefore, only the screw terminals of the DAS 811B1 or DAS 811B2 model are shown.

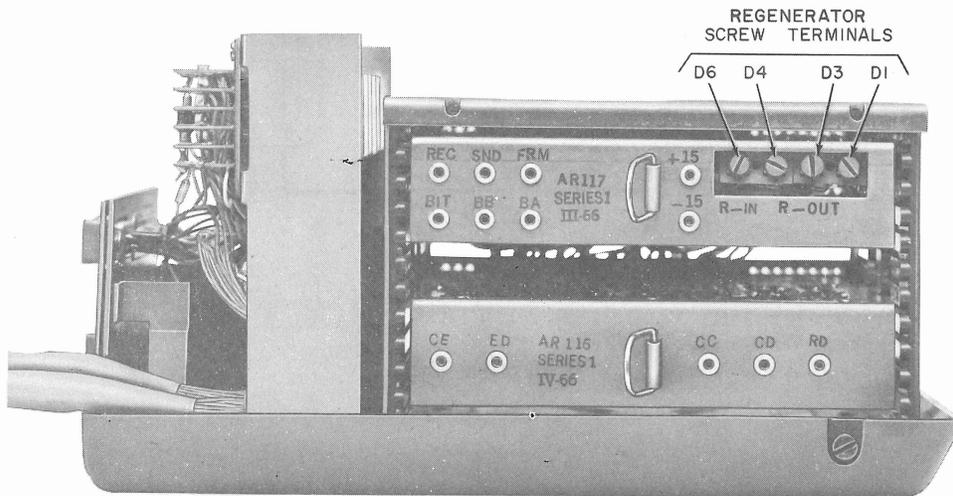


Fig. 3—Data Auxiliary Set 811B1 or Data Auxiliary Set 811B2 Regenerator Screw Terminals

2.05 When the regenerator is bypassed for test purposes, the ADTL will test the margins of the sending and receiving equipment, ie, the CPT and the TTY. When the regenerator is in the circuit, the ADTL tests the margins of the regenerator.

2.06 The DAS 811B-type is furnished for use without an automatic calling unit, ie, factory furnished with X option installed. When an automatic calling unit is provided, the X option must be

removed. When testing requires that the automatic calling unit be disconnected, the X option will have to be reinstalled as given in the following text or an invalid test may result. Upon completion of the testing, the option will have to be removed again if the automatic calling capabilities are to be provided. The location of the TS1 terminals in the DAS 811B1 and DAS 811B2 models is shown by Fig. 4. Refer to Fig. 5 for the location of the TS1 terminals for DAS 811B3 and DAS 811B4 models.

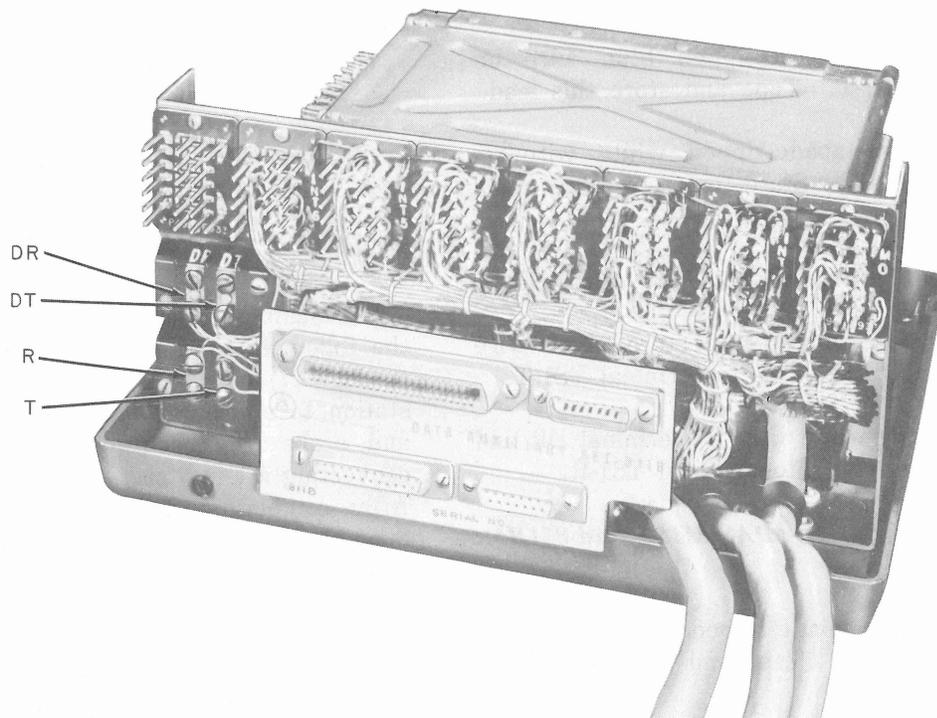


Fig. 4—Data Auxiliary Set 811B1 or Data Auxiliary Set 811B2—Location of Terminals for X Option Strapping

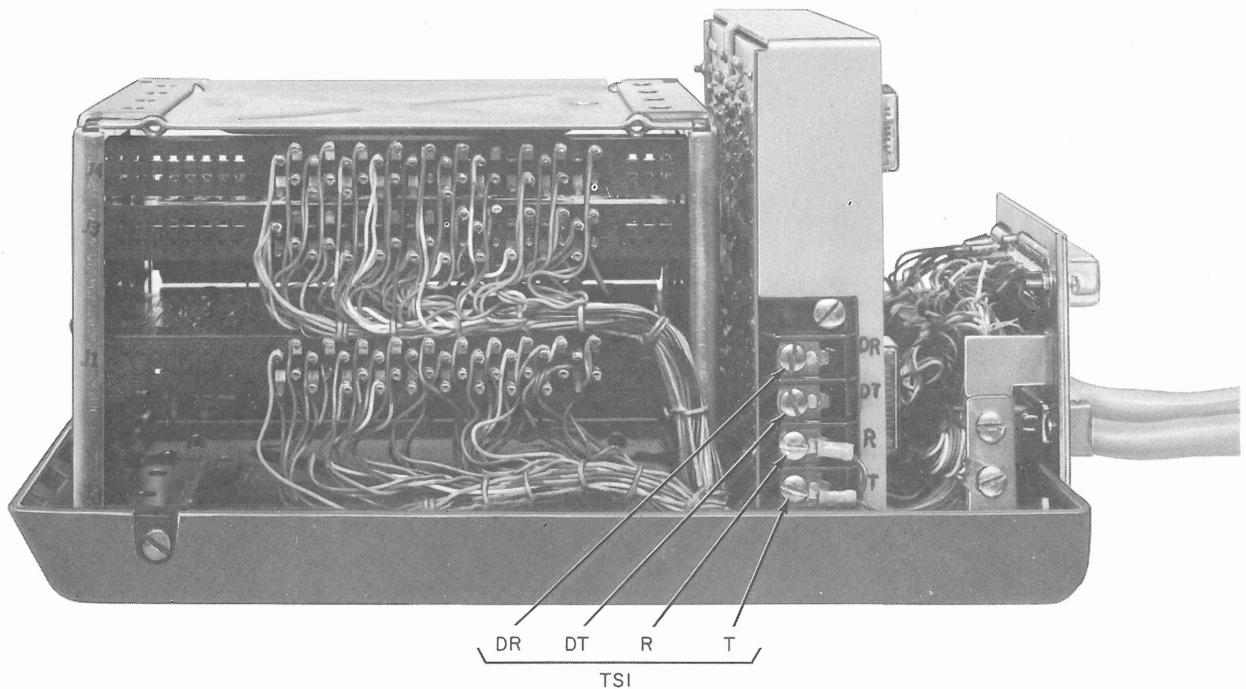


Fig. 5—Data Auxiliary Set 811B3 or Data Auxiliary Set 811B4—Location of Terminals for X Option Strapping

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To remove the X option (DAS 811B1 and 811B2):

- (1) Remove the spade-tipped blue wire on terminal TS1-T. Tape and store this lead.
- (2) Remove the spade-tipped white wire on terminal TS1-R. Store this wire on terminal TS1-DR.

To install the X option (DAS 811B1 and 811B2):

- (1) Locate the insulated and stored blue wire and connect this wire to terminal TS1-T.
- (2) Remove the white wire on terminal DR and connect this wire to terminal TS1-R.

To remove the X option (DAS 811B3 and 811B4):

- (1) Remove the spade-tipped green wire on terminal TS1-T. Tape and store this lead.
- (2) Remove the spade-tipped brown wire on terminal TS1-R. Store this wire on terminal TS1-DR.

To install the X option (DAS 811B3 and 811B4):

- (1) Locate the insulated and stored green wire and connect this wire to terminal TS1-T.
- (2) Remove the brown wire on terminal TS1-DR and connect this wire to terminal TS1-R.

2.07 When trouble is experienced, the station can be simplified, if necessary, to a basic TWX facility by performing the steps indicated in the following text. Refer to Fig. 6 and Steps (1) through (7) for information on converting a 3-row station to a basic TWX facility. Refer to Fig. 7 and steps (8) through (14) for information on converting a 4-row station to a basic TWX facility. After completing the applicable steps, the station may be tested in the normal way for testing and maintaining TWX installations. Upon completion of testing, restore the station to its normal configuration by reconnecting the cords and connections that were removed and were changed during testing. After restoring the station to its normal configuration, check the connections by referring to the applicable parts of the practice entitled Data Auxiliary Set 811B-Type—Installation (598-049-200).

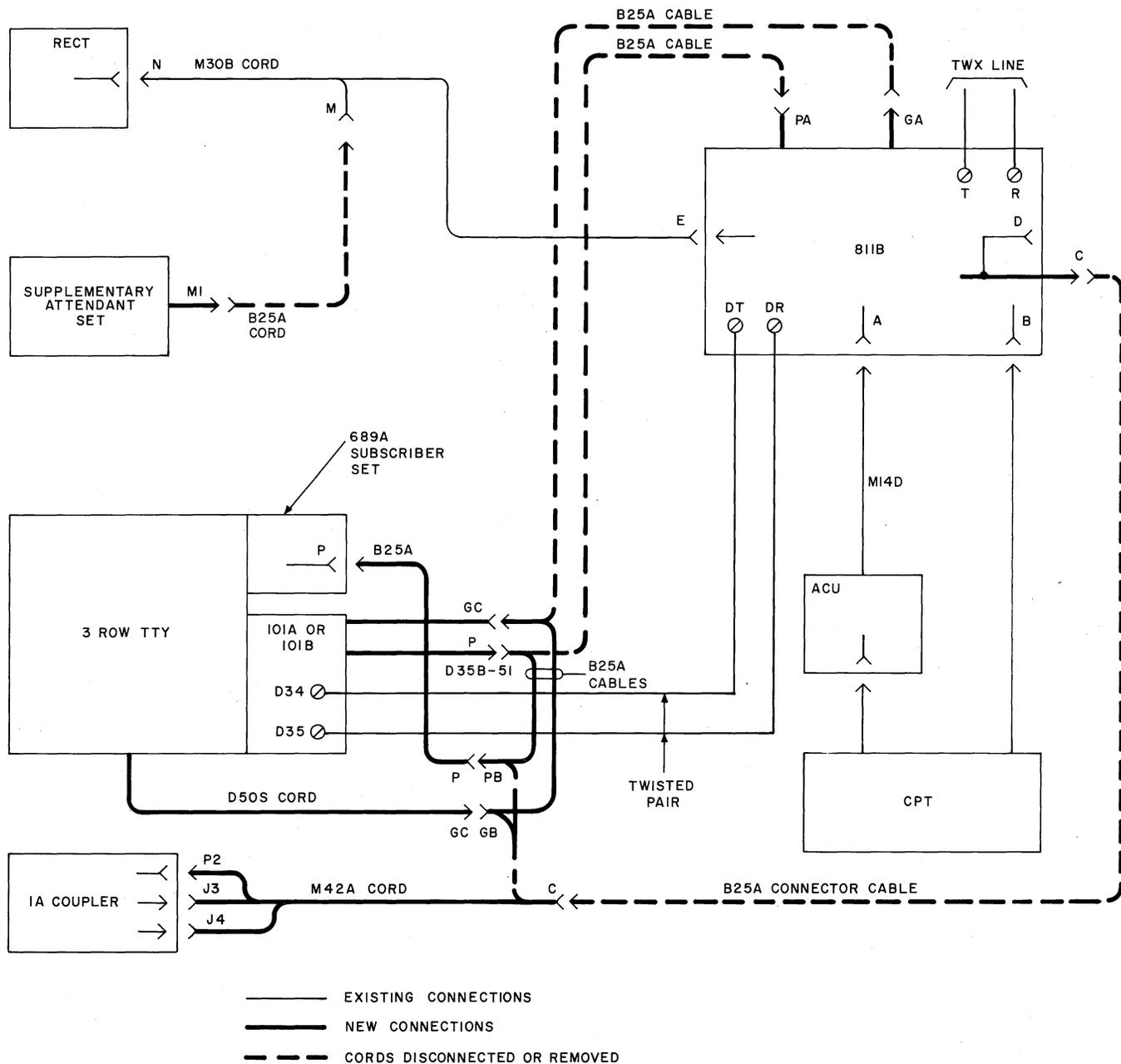


Fig. 6—Connections for Converting a 3-Row Station to a Basic TWX Facility

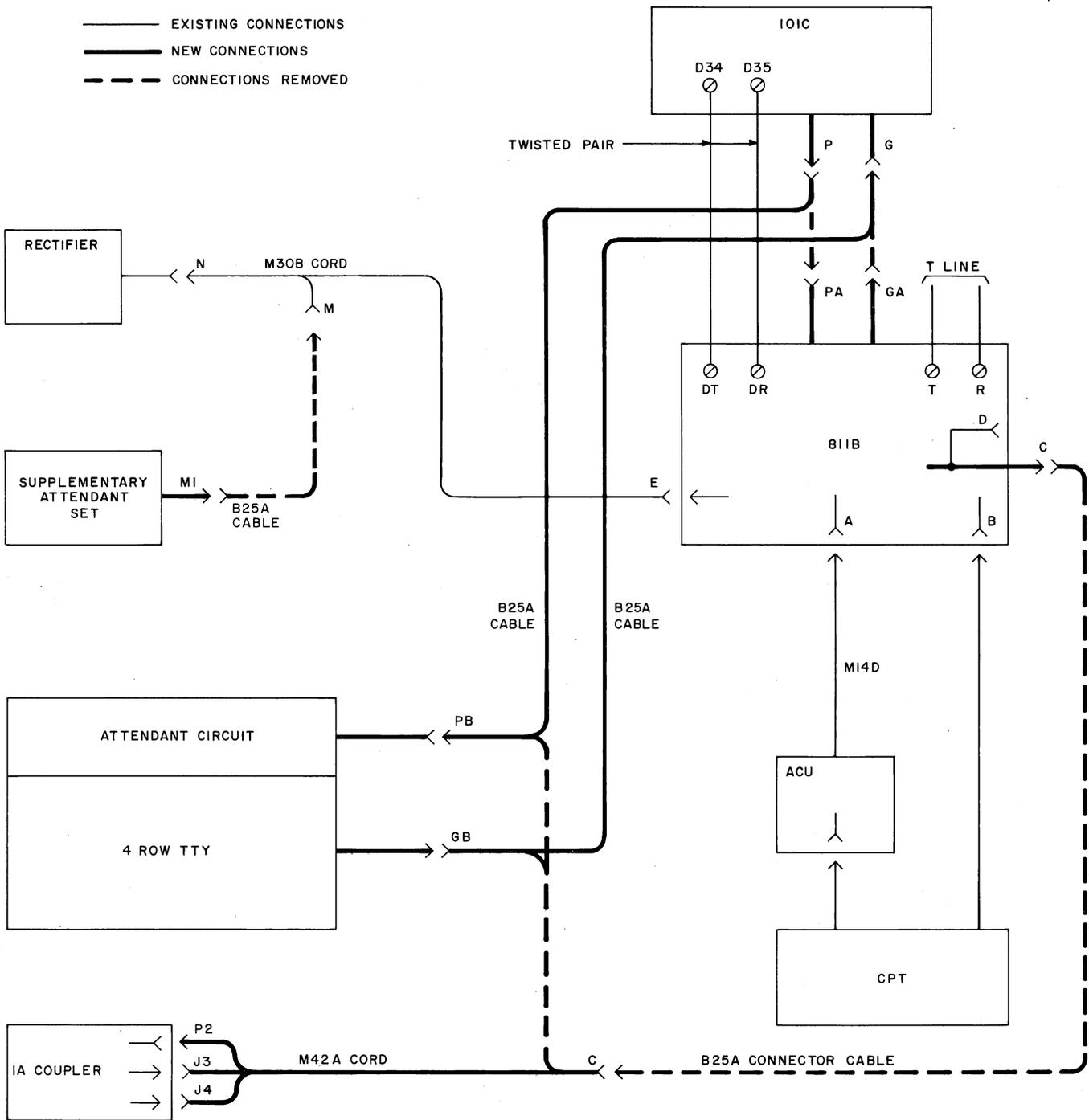


Fig. 7—Connections for Converting a 4-Row Station to a Basic TWX Facility

3-Row Conversion

(1) Disconnect the PB connector of the M42A cord from the B25A cable that is connected to the P connector of the 689 subscriber set.

(2) Disconnect the GB connector of the M42A cord from the GC connector of the D50S cord.

(3) Disconnect the B25A cable from the C connector of the DAS 811B-type associated

with the first line of the station. Disconnect the other end of this cable from the C connector of the M42A cord.

(4) Disconnect the B25A cable from the M connector of the M30B cord. Disconnect the other end of the B25A cable from the supplementary attendant set.

(5) Disconnect the P and G connectors, of the Data Set 101A or 101B that is being tested, from the associated DAS 811B-type.

(6) Use the B25A cables that was previously disconnected in Step 3, to connect the P connector, of the Data Set 101A or 101B being tested, to the B25A cable that is connected to the P connector of the subscriber set. The Data Set 101A or 101B that is associated with the first line of the station is located next to the TTY. When the first line of the station is being tested, the additional B25A cable is not needed to make the above connection since the cable from the P connector of the subscriber set can be connected directly to the P connector of the Data Set 101A or 101B.

(7) Use the B25A cable previously disconnected in step 4, to connect the G connector of the Data Set 101A or 101B to the GC connector on the D50S cord. The Data Set 101A or 101B, that is associated with the first line of the station, is located next to the TTY. When the first line of the station is being tested, the additional B25A cable is not needed to make the previous connection since the D50S cord can be plugged directly into the G connector of the Data Set 101A or 101B.

4-Row Conversion

(8) Disconnect the PB connector of the M42A cord from the attendant circuit cord.

(9) Disconnect the GB connector of the M42A cord from the TTY cord.

(10) Disconnect the B25A cable from the C connector of the DAS 811B-type associated with the first line of the station. Disconnect the other end of this cable from the C connector of the M42A cord.

(11) Disconnect the B25A cable connected to the M connector of the M30B cord. Disconnect the other end of this cable from the supplementary attendant set.

(12) Disconnect the P and G connectors, of the Data Set 101C that is being tested, from the associated DAS 811B-type.

(13) Use the B25A cables that was previously disconnected in step 10, to connect the P connector, of the Data Set 101C being tested, to the attendant circuit cord. The Data Set 101C that is associated with the first line of the station is located in the TTY pedestal. In some cases when the first line of the station is being tested, the additional B25A cable is not needed to make the previous connection since the attendant circuit cord can be directly connected to the P connector of the Data Set 101C.

(14) Use the B25A cable, previously disconnected in step 11, to connect the G connector of the Data Set 101C being tested to the TTY cord. The Data Set 101C that is associated with the first line of the station is located in the TTY pedestal. In some cases when the first line of the station is being tested, the additional B25A cable is not needed to make the previous connection as the TTY cord can be directly connected to the G connector of the Data Set 101C.

3-ROW TEST PROCEDURES

2.08 The following procedures should be performed at the time of installation or when clearing a trouble condition. This procedure will verify that the station is operating properly. The tests should be performed for each line of the station and can also be used to locate the line or group of data sets that is malfunctioning. These tests are designed for a complete station and not for testing the basic TWX configuration described in 2.07 of this text.

Intercept Mode Test

(1) Set the INTERCEPT-MONITOR switch to the INT position.

(2) Operate the applicable LINE key for the line to be tested. The TTY RLS lamp will light.

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- (3) Check to assure that dial tone is present at the receiver.

Note: When a station has ground-start lines, the ORIG key must be held depressed until dial tone is obtained.

- (4) Operate the LOCAL key. The LOCAL lamp will light and the TTY motor will start.

- (5) Type RYRYRY... and obtain local copy. Depress the BREAK key for several seconds. The TTY will run open as long as the BREAK key is depressed.

- (6) With the LOCAL key depressed, place a call to the station from any other TWX station, telephone, or call the ringback number. The bell will ring and the ANS lamp will flash.

Note: The number plan in a particular area might inhibit the calling of a TWX station from a telephone. If this is the case, the call will have to be made from either another

TWX station, or the ringback number will have to be used.

- (7) Replace the receiver of the calling telephone, or clear the calling TWX station. If the ringback number is used, the station can be cleared by depressing the ORIG key.

- (8) Operate the CLEAR key on the subscriber set. The LOCAL lamp will extinguish and the motor will stop.

- (9) Operate the ANS key. The ANS and MON lamps will light. About 1-1/2 seconds later, the TTY motor will start. After several seconds, the motor will stop and the ANS and MON lamps will extinguish.

- (10) Hold the ORIG key depressed until dial tone is obtained. The ORIG and MON lamps will light.

- (11) When dial tone is obtained, dial the ADTL. Check the send and receive transmission in the originate mode. Fig. 8 gives an example of the programmed 3-row ADTL copy.

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- (12) When requested to flip, depress the CLEAR and ANS keys as at a standard TWX station. Observe that the ANS lamp lights during clearing rather than the CLEAR lamp. It is, therefore, necessary to hold down the ANS key until the motor restarts.
- (13) Check that the answer-back sequence is generated.
- (14) Check the receive and send transmission in the answer mode.
- (15) At the end of the test call, the station will clear and the ANS and MON lamps will extinguish.
- (16) Depress the ORIG key. The ORIG and MON lamps will light.
- (17) When the ORIG and MON lamps have lighted, depress the CLEAR key. Both lamps will extinguish. (The motor may start and run momentarily if the CLEAR key is held down longer than necessary.)

Monitoring Mode Test

- (1) Set the INTERCEPT-MONITOR switch to the MON position.
- (2) Operate the applicable LINE key for the line to be tested. The TTY-RLS lamp will light and the TTY motor will start with the CPT unplugged.

Note: The TTY motor running without any lamps on the subscriber set lighted indicates the data terminal not-ready condition. Due to the fail-safe circuit design of the station, an unplugged CPT is interpreted by the station as a data terminal not-ready condition.



Reconnect the CPT as the remainder of this test requires a working CPT.

- (3) In the monitor mode, the TTY will start whenever the clear to send (CB) lead is on.
- (4) Whenever the CPT is sending or receiving, the TTY will copy all transmission when the station is in the monitor mode.

- (5) Check to assure that operation and release of the LINE key while a line is being monitored does not produce a "hit" on the send and receive (BA and BB) leads.
- (6) Check to assure that the ORIG and ANS lamps light and that these lamps will correctly indicate the mode of operation when the data set is off-hook.
- (7) When a call is received, the ANS lamp will turn on and off with the ringing when a data terminal not-ready condition exists. When a data terminal ready condition exists, the ANS lamp will not flash.
- (8) Depress the RLS key after completing the above checks. The TTY-RLS lamp will turn off and the TTY motor will stop.

4-ROW TEST PROCEDURES

2.09 Perform the following operations at the time of installation and when clearing a trouble condition to verify that a station is operating properly. These tests should be performed for each line of the station. The tests can also be used to locate the line or group of data sets that is malfunctioning.

Intercept Mode Test

- (1) Set the INTERCEPT-MONITOR switch to the INT position.
- (2) Operate the applicable LINE key for the line to be tested. The TTY BSY lamp will light.
- (3) Check to assure that dial tone is present at the receiver.

Note: When a station has ground-start lines, the ORIG key must be held depressed until dial tone is obtained.

- (4) Operate the LOCAL key. The LOCAL lamp will light and the TTY motor will start.
- (5) Type RYRYRY... and obtain local copy. Depress the BREAK key for several seconds. The TTY will run open as long as the BREAK key is depressed.

(6) Place a call to the station from any other TWX station, telephone, or call the ringback number. The bell will ring and the ANS lamp will flash.

Note: The number plan in a particular area might inhibit the calling of a TWX station from a telephone. If this is the case, the call will have to be made from either another TWX station or the ringback number will have to be used.

- (7) After two rings, remove the paper roll. The buzzer alarm will sound.
- (8) Operate the CLEAR key on the subscriber set. The LOCAL lamp will extinguish and the motor will stop. The ringing will not be tripped.
- (9) Replace the receiver of the calling telephone, or clear the calling TWX station. If the

ringback number was used, the station can be cleared by depressing the ORIG key.

(10) Replace the paper roll.

(11) Operate the ANS key. The ANS and MON lamps will light and the TTY motor will start. After several seconds, the motor will stop and the ANS and MON lamps will extinguish.

(12) Depress the ORIG key. The ORIG and MON lamps will light and the TTY motor will start.

(13) Hold the ORIG key depressed until dial tone is obtained. When dial tone has been obtained, dial the ADTL. Check the send and receive transmission. After the request "GA SEND", type "FOX..." and check that the REST lamp lights. The REST lamp will extinguish when the BREAK lamp lights. Fig. 9 gives an example of the programmed ADTL copy.

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①	THE QUICK BROWN FOX JUMPED OVER A LAZY DOG'S BACK	1234567890	##	UNDIST
	② THE QUICK BROWN FOX JUMPED OVER A LAZY DOG'S BACK	1234567890	##	UNDIST
	THE QUICK BROWN FOX JUMPED OVER A LAZY DOG'S BACK	1234567890	##	SW-DIS
	THE QUICK BROWN FOX JUMPED OVER A LAZY DOG'S BACK	1234567890	##	SW-DIS
	THE QUICK BROWN FOX JUMPED OVER A LAZY DOG'S BACK	1234567890	##	DISPAD
	THE QUICK BROWN FOX JUMPED OVER A LAZY DOG'S BACK	1234567890	##	DISPAD

③ GA SEND
 ④ 78IU78IU78IU78IU78IU78IU78IU78IU78IU
 ⑤ 15%
 ⑥ FLIP

⑦	THE QUICK BROWN FOX JUMPED OVER A LAZY DOG'S BACK	1234567890	##	UNDIST
	⑧ THE QUICK BROWN FOX JUMPED OVER A LAZY DOG'S BACK	1234567890	##	UNDIST
	THE QUICK BROWN FOX JUMPED OVER A LAZY DOG'S BACK	1234567890	##	SW-DIS
	THE QUICK BROWN FOX JUMPED OVER A LAZY DOG'S BACK	1234567890	##	SW-DIS
	THE QUICK BROWN FOX JUMPED OVER A LAZY DOG'S BACK	1234567890	##	DISPAD
	THE QUICK BROWN FOX JUMPED OVER A LAZY DOG'S BACK	1234567890	##	DISPAD

⑨ GA SEND
 ⑩ 78IU78IU78IU78IU78IU78IU78IU78IU78IU
 ⑪ 5%
 ⑫ END

Characters used to fill out line

1. Programmed test of the TTY in the originating (sending) mode.
2. The characters sent by the No. 5A ADTL.
3. Signal from the No. 5A ADTL to send 78IU's
4. Characters sent from the TTY.
5. Percent distortion in the originating mode.
6. Command to change TTY from the originating to terminating (answering mode). The multi-character answer-back code of the TTY station will be printed at this time.
7. Programmed test of the TTY in the terminating mode.
8. Same as #2.
9. Same as #3.
10. Same as #4.
11. Percent distortion in the terminating mode.
12. End of tests.

Fig. 9—Sample of Programmed 4-Row ADTL Copy

- (14) Check that the local copy is suppressed due to the break action.
- (15) When requested to flip, depress the CLEAR and ANS keys as at a standard TWX station. Observe that the ANS lamp, rather than the CLEAR lamp, lights during the clearing. It is, therefore, necessary to hold down the ANS key until the motor restarts.
- (16) Check that the answer-back sequence is generated.
- (17) Check the receive and send transmission in the answer mode.
- (18) At the end of the test call, the station will clear and the ANS and MON lamps will extinguish.
- (19) Depress the ORIG key. The ORIG and MON lamps will light.
- (20) When the ORIG and MON lamps have lighted, depress the CLEAR key. Both lamps will extinguish. The motor may start and run momentarily if the CLEAR key is held down longer than necessary.
- (21) Make a second call to the ADTL. When requested to send, transmit an EOT character and see that the station responds correctly.

Monitoring Mode Test

- (1) Set the INTERCEPT-MONITOR switch to the MON position.
- (2) Operate the applicable LINE key for the line to be tested. The CY relay will be operated (with the CPT unplugged) and the TTY BSY lamp will be lighted. This may be checked by calling the station and noting that the ringing is not tripped.

Note: The CY relay, in the Data Set 101C, operated without any lamps on the attendant set being lighted indicates the data terminal not-ready condition. Due to the fail-safe circuit design of the station, an unplugged CPT is interpreted by the station as a data terminal not-ready condition. The CPT can be unplugged to check that the station recognizes a data terminal not ready condition.



Reconnect the CPT as the remainder of this test requires a working CPT.

- (3) In the monitor mode, the TTY will start whenever the data set ready (CC) lead is turned on.
 - (4) Whenever the CP^r is sending or receiving, the TTY will copy all transmission when the station is in the monitor mode.
 - (5) Check to assure that operation and release of the LINE key, while a line is being monitored, does not produce a "hit" on the send and receive (BA and BB) leads.
 - (6) Check to assure that the ORIG and ANS lamps light and that these lamps will correctly indicate the mode of operation when the data set is off-hook.
 - (7) When a call is received, the ANS lamp will turn on and off with the ringing when a data terminal not-ready condition exists. When a data terminal ready condition exists, the ANS lamp will not flash.
 - (8) Depress the RLS key after completing the above checks. The TTY-RLS lamp will turn off and the TTY motor will stop.
- 2.10** The DAS 811B-type interface leads are given by Table A.

TABLE A
DATA AND CONTROL SIGNALS LEVEL — INTERCEPT MODE

CIRCUIT	TEST POINT	LOCATION	SIGNAL LEVEL (VOLTS)			
			MARK	SPACE	ON	OFF
Transmitter Data (EIA)	BA	REGEN CARD	-18 to -22	+6 to +10	-	-
Received Data (EIA)	BB	REGEN CARD	-17 to -21	+10 to +17	-	-
Send Data (Line)	SND	REGEN CARD	-17 to -21	+18 to +22	-	-
Receive Data (Line)	REC	REGEN CARD	0 to -4	-13 to -17	-	-
Clear to Send (EIA)	CB	See Note 2	-	-	+6 to +11	-6 to -11
Data Set Ready (EIA)	CC	INT. CARD	-	-	+5 to +9	-6 to -11
Data Terminal Ready (EIA)	CD	INT. CARD	-	-	+7 to +14	GRD
Ring Indicator (EIA)	CE	INT. CARD	-	-	+7 to +14	-7 to -14
Data Carrier Detector (EIA)	CF	See Note 2	-	-	+5 to +9	-6 to -11
End of Transmission Disconnect (EOT)	ED	INT. CARD	-	-	+7 to +13	-1 to 0
Restraint Detector	RD	INT. CARD	-	-	+7 to +13	-7 to -13

Table Notes

1. Measurements shall be made with KS-14510 L2 Volt-Ohm-Milliammeter or Equivalent.
2. Measurements made at Relay Int. 1 (Contact 4 Make)

Use of Test Cord (3- or 4-Row Service)

2.11 A test cord is provided to facilitate the testing of the DAS 811B-type. The test cord should be used only at stations having reported a trouble condition and only when the above tests fail to detect any malfunction. This cord is used as given in the following steps.

- (1) Disconnect the CPT connector that is connected to the DAS 811B-type being tested.
- (2) Disconnect the C connector from the following set (when more than one set is provided) from the D connector of the DAS 811B-type being tested.
- (3) Connect the D connector of the P10C test cord to the D connector of the DAS 811B-type that is being tested. Also connect the B connector of the test cord to the B connector of the DAS 811B-type being tested.
- (4) Place the DAS 811B-type being tested in the intercept mode.
- (5) Using the TTY, place a call to the ADTL.
- (6) After the connection to the ADTL is established and the test sentence is being received, revert to the release mode and observe the following conditions.
 - (a) The ADTL test sentence should be received indicating that the BB circuit is operating properly. A "hit" may occur during the switching operation.
 - (b) The CLEAR lamp shall light to indicate that the CC (data set ready) circuit is functioning properly.
 - (c) When the ADTL transmits the request to send, transmit from the keyboard and observe local copy and the subsequent response of the ADTL. This checks the BA (send data) circuit.
 - (d) If the station being tested is a 4-row station, observe that the REST lamp

lights. This checks that the RD (restraint detector) circuit is operating properly.

- (e) When the ADTL sends the request to "flip", depress the CLEAR and ANS keys as at a standard TWX station. The ability of the station to "flip" indicates that the CD (data terminal ready) circuit is functioning.
- (f) Observe that the answer-back is printed. Operation of the answer-back indicates that the CB (clear to send) and the CF (data carrier detector) circuits are functioning.
- (g) The test sentence from the ADTL will be sent. If the station being tested is a 4-row station, an EOT character can be sent to check the ED (EOT detected) circuit. If the circuit is functioning properly, a fast disconnect sequence will be observed. If the station being tested is a 3-row station, the call can be terminated by depressing the CLEAR key.
- (h) Operate the LOCAL key. Call into the line being tested from another station or manually operate the RU relay in the associated Data Set 101-type. Operation of the RU relay, either manually or by an incoming call, will cause the ANS lamp to light. This indicates that the CE (ringing indicator) circuit is functioning.
- (7) Remove the P10C test cord and reconnect the cords that were removed to perform the above test. Also connect the CPT to the DAS 811B-type using the B connector.

Note: After restoring the station to its normal configuration, check the connections by referring to the applicable parts of the practice entitled Data Auxiliary Set 811B-Type—Installation (598-049-200).

2.12 If the DAS 811B-type has successfully completed all of the applicable sections of this practice, it can be assumed that the set is operating properly.