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 202R

TRANSMITTER-RECEIVER

TEST PROCEDURES

1. GENERAL

1.001 This addendum supplements Issue 1 of Section 592-025-500.

1.002 This addendum is issued to change part of the procedure for the interface test.

1.003 This addendum should be filed with Section 592-025-500, Issue 1. The attached page should be inserted in the section in place of the correspondingly numbered page.

Attached:

Page 9, dated August 1972, revised
Page 10, dated August 1972, reissued

3. MAINTENANCE TESTS

The following change applies to Part 3 of the section:

(a) 3.10 (u)—revised

(b) 3.10 (x)—revised

(t) After the clear-to-send interval has been measured, verify with the service order that the data set is equipped with the correct interval. If it is not, refer to Section 592-025-200 for installing and removing options.

(u) Move switch S2 to OFF. ▶Move matrix pin from TP2-5 to TP2-8.◀ Press the RESET button to zero the counter. Move the COUNTER switch to INTERVAL X1.

(v) Move switch S2 to ON. The counter will indicate the interval required to turn the carrier detector ***on.***

Requirement:
15 to 25 msec with N option
30 to 50 msec with M option

(w) After the carrier detector acquisition time has been measured, verify with the service order that the data set is equipped with the correct option.

(x) If the data set fails at (i) or (j), replace card AR593 and retest. If the data set still fails (i) or (j), replace card AR591. If the data set fails at (k) or (n), replace card AR592 and retest. If the data set still fails (k) or (n), replace card AR593, ▶and retest. If the data set still fails (k), replace card AR591.◀ If the data set fails at (p), (q), (s), or (v), replace card AR591.

Verify that the options are as specified on the service order before the new card is inserted in the data set. Refer to Section 592-025-200 for option information. Repeat the test with the new card in place.

(y) Upon completion of the test, disconnect the test equipment and reconnect the line wires or move the LINE—TEST key to LINE.

If the LINE—TEST key was not used, remove card AR593 and reset the 2-wire/4-wire switch to the 4W position. Insert the card into the data set and replace the cover.

(z) Verify to the customer that service is satisfactory by placing a data call.

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

B. Four-Wire Continuous Carrier

3.11 This test can be performed using only the 914B DTS. Proceed as follows:

(a) If a LINE—TEST key (6017AP or 6017AR) is used, move the switch to the TEST position.

(b) If a LINE—TEST key is not used, disconnect the line leads (T, R, T1, and R1) at the connector block. Remove the data set cover and remove the AR593 card. Move the 2-wire/4-wire switch to the 2W position and verify that screw switch S3A is closed and S3B is open (W option—continuous carrier). Insert the card back into the data set.

(c) Using the cable supplied with the 914B DTS, connect the data set interface connector to connector A on the 914B DTS. Make sure all A interface selector switches are pushed in.

(d) Set the 914B DTS switches as follows:

FUNCTION switch to SPKR

INTERFACE MODE switch to VOLTAGE

RANGE switch to ACV-1

TRIGGER switches to +/OPEN

METER POLARITY switch to REV

S1—S8 switches to OFF.

(e) Disregard the setting of the other switches.

(f) Insert red pins into the matrix board on the 914B DTS in the following positions: 1-GRD, 7-GRD, 2-S1, 3-DS1, 5-DS2, 6-DS3, and 8-DS4.

(g) Apply power to the data set and to the 914B DTS.

(h) Using the leads provided with the 914B DTS, connect the METER INPUT terminals to tip and ring (T and R) at the connector block. A 1300-Hz tone will be heard.

(i) Move switch S1 to ON. The frequency of the tone will increase to 2100 Hz (space). Switch S1 controls the send data lead.

(j) Verify that the DS1 lamp is lighted. The DS1 lamp ***on*** indicates a positive voltage on the received data lead.

(k) Verify that the DS2, DS3, and DS4 lamps are lighted. The DS2 lamp ***on*** indicates a positive voltage on the clear-to-send lead. The DS3 lamp ***on*** indicates a positive voltage on the data set ready lead. The DS4 lamp ***on*** indicates a positive voltage on the carrier detector lead.

(l) Move S1 to OFF. Disconnect the leads to the connector block.

(m) Move the VERTICAL MONITOR switch to 3. Move the RANGE switch to DCV-10.

(n) Move the FUNCTION switch to VOLTS INT and measure the voltage on the received data lead.

Requirement: More negative than −5 volts

(o) Verify that the DS2, DS3, and DS4 lamps remain lighted.

(p) If the data set fails at (h) or (i), replace card AR593 and retest. If the data set still fails (h) or (i), replace card AR591. If the data set fails at (j) or (n), replace card AR592 and retest. If the data set still fails (j) or (n), replace card AR593. If the data set fails at (k) or (o), replace card AR591.

Verify that the options are as specified on the service order before the new card is inserted in the data set. Refer to Section 592-025-200 for option information. Repeat the test with the new card in place.

(q) Upon completion of the test, disconnect the test equipment and reconnect the line wires or move the LINE—TEST key to LINE.

If the LINE—TEST key was not used, remove card AR593 and reset the 2-wire/4-wire switch to the 4W position. Insert the card into the data set and replace the cover.

(r) Verify to the customer that service is satisfactory by placing a data call.

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

C. Two-Wire (Carrier Controlled by Request to Send)

3.12 This test can be performed using only the 914B DTS. Proceed as follows:

(a) Disconnect the line wires (T and R).

(b) Perform the test as specified in 3.10 (c) through (x).

(c) Upon completion of the test, disconnect the test equipment and reconnect the line wires.

(d) Verify to the customer that service is satisfactory by placing a data call.

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

D. Two-Wire Continuous Carrier

3.13 This test can be performed using only the 914B DTS. Proceed as follows:

(a) Disconnect the line wires (T and R).

(b) Perform the test as specified in 3.11 (c) through (p).

(c) Upon completion of the test, disconnect the test equipment and reconnect the line wires.

(d) Verify to the customer that service is satisfactory by placing a data call.

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

E. Two-Wire Receive Only (Private Line and DDD)

3.14 Data sets used for receive only service will be tested with the assistance of the data test center. If the data set is being used on