

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 602C-TYPE
TRANSMITTER-RECEIVER
INSTALLATION AND CONNECTIONS**

1. GENERAL

1.001 This addendum supplements Section 596-016-200, Issue 4. The attached pages must be inserted in the section in accordance with the filing instructions above.

1.002 This addendum is issued to revise Table B.

3. CONNECTIONS

The following change applies to Part 3 of this section:

(a) Table B—revised

Attached:

Page 3 dated July 1971—reissued

Page 4 dated July 1971—revised

3. CONNECTIONS

3.01 See the section entitled Data Set 602C-Type Transmitter-Receiver—Maintenance (596-016-300) for the removal and replacement instructions for the Data Set 602C-type cover.

3.02 Service options shown in Table B should be specified on the service order. The data set will be wired accordingly.



When installing Q, ZC, or ZE wiring option, remove wiring option N, ZD, or ZF, respectively, and vice versa.

3.03 Table C shows connections between 1A1 data unit (reverse-channel transceiver) and the data set. Connections on the 1A2 data unit are identical to the 1A1, except that no connection is made from the white lead of the data unit to terminal board 4 as a continuously variable output is provided.

3.04 When Data Set 602C1, 602C3, 602C5 or 602C7 is changed to 602C2, 602C4, 602C6 or 602C8, respectively, by adding a 1A-type data unit, the stenciling on the data set should be changed accordingly.

3.05 Standard connections for Data Sets 602C-type to the telephone line are shown in Fig. 1. Standard connections for Data Sets 602C-type when used with Data Auxiliary Set 801-type are shown in Fig. 2.

3.06 If operation with key telephone units is required, the Data Sets 602C-type must be modified for A lead control. A typical connecting arrangement providing A lead control is shown in Fig. 3. This type of operation also requires internal modifications to all models of the Data Sets 602C-type.

3.07 The internal modifications for A lead control (see note) are as follows.

Switchhook Wire Changes

- (1) Remove O from terminal 3 of TB6.

- (2) Remove BL from terminal 2 of TB6.
- (3) Remove BR from terminal 4 of TB6.
- (4) Remove Y from terminal F of network.
- (5) Install Y on terminal 3 of TB6.
- (6) Install BR on terminal 2 of TB6.
- (7) Install BL on terminal 4 of TB6.
- (8) Install O on terminal F of network.

Note: It is not recommended that A lead control be used in conjunction with an automatic calling unit.

3.08 The output signal levels of Data Sets 602C1 series 5 and below, and Data Sets 602C3 series 2 and below may require padding due to the limitations of available output level options. Later models are supplied with a -12 dBm option which allows for compliance with the tariff requirements. Table D shows the required padding for different values of local loop loss.

3.09 The output levels of Data Sets 602C2 series 8 and below, 602C4 series 5 and below, and 602C6 and 602C8 series 2 and below may require padding due to the limitations of available output level options (transmitter output and/or reverse channel output). Later models are supplied with a -12 dBm option (data set transmitter) and a variable reverse-channel output power level for compliance with the new tariff requirements. Table E shows the required padding for different values of local loop loss.

3.10 Figure 4 shows pad construction, connections and ordering information.

3.11 The data set level options to be connected at time of installation should be specified on the service order. If the service order does not specify the levels to be used, the following procedure should be performed.

♦ TABLE B ♦

OPTIONS — DATA SET 602C-TYPE

FEATURE OR OPTION		WIRING OPTION	STRAP TERM. ON TB1	STRAP TERM. ON TB2	STRAP TERM. ON TB4	REQUIRED
Automatic answering		Y*		50-51		One per station
900Ω line impedance		Q*		42-43		One per station
600Ω line impedance		N		43-44		
Automatic dialing unit		M	22-23			As required
Sync channel		ZC*		30-31,32-33 40-41,45-46		One per station
Without sync channel		ZD		31-32,46-47		
Reverse-channel		ZE		48-49,53-54 56-57,58-59 61-62†,25-26‡		One per station
Without reverse-channel		ZF		54-55,57-58, 59-60 * *		
Outputs in dBm	0 -3 ¶	V		17-18,19-20, 21-22,23-24		One per station
	-3 -6 ¶	T		15-16,21-22 23-24		
	-6 -9 ¶	X*		14-15,19-20- 21		
	-9 -12 ¶	W		20-21		
Equalizer is required for switched network operation		J*		1-2,3-4 28-29		One per station
Equalizer is not required on lines already equalized		H		2-3,27-28		
Receiver pad (Note 2)	No	E*		5-6		One per station
	6 dB	F		6-7,8-9		
	12 dB	G		6-7,9-10, 11-12		
Pre-emphasis		ZA* §		34-35		One per station
Post-emphasis		ZB* §		36-37-38		One per station
Reverse-channel output in dBm (see Note 1)	-3	ZG			A Lead-1	One per station
	-6	ZH*			A Lead-2	
	-9	ZJ			A Lead-3	
Telephone cord	6-conductor	A*				One per station
	34-conductor	B				
Rotary dial		ZI				One per station
TOUCH-TONE®		ZK				One per station

* Factory-supplied.

† Required on 602C1 and C2 series 1.

‡ Required on 602C1 and C2 series 2 and all later models.

§ Pre- and Post-Emphasis are used together for normal facsimile and related usage.

¶ Provided on later model data sets.

** Required on 602C1 and C2 series 2 only.

Note 1: On later model data sets containing a 1A2 reverse-channel data unit, the output can be adjusted to set the proper reverse channel output level. This strap is not required.

Note 2: The receiver pad may be field-adjusted to provide a possible correction for an over-sensitive receiver. This condition is occasionally evidenced by the receiver failing to give a correct-fail indication due to circuit noise.