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 SETS 201A1, A2 AND 201B1, B2

TRANSMITTER-RECEIVER

INSTALLATION AND CONNECTIONS

1. GENERAL

1.001 This section supplements Issue 4, of Section 592-011-200. The attached page must be inserted in the section in accordance with the filing instructions above.

1.002 The purpose of this addendum is to change Note 3 and to add Note 4 to Table A.

Attached:

Page 3 dated September 1971, revised
Page 4 dated September 1971, reissued

TABLE A

FEATURE		OPTION	TYPE OF OPERATION		CONNECTIONS	
					TERMINAL STRIP	STRAP TERMINALS
AUTOMATIC ANSWER (WITH TWO-WIRE KEY TELEPHONE SET)		W	Selective Automatic Answering			See Connection Diagram.
		X	Permanent Automatic Answering			See Connection Diagram.
TERMINAL IMPEDANCE			IMPEDANCE (OHMS)			
		G*	600		L1	(6, 10) (3, 8)
		F	900		L1	(2, 10) (3, 4)
NEW SYNC		A*	New Sync Not Used		L1	(7, 15)
			New Sync Used		L1	None
ECHO DELAY (See Note 1.)		E	2-Wire		L1	(1, 5) (11, 12)
		B*	4-Wire		L1	(11, 16)
TRANSMITTER OUTPUT LEVEL			LINE SIGNAL (DBM)			
		ZI	0		L2	(26, 30)
		ZJ	−2		L2	(27, 30)
		ZK	−4		L2	(28, 30)
		ZL	−6		L2	(29, 30)
		ZM*	−8		L2	None
TYPE OF OPERATION	4-WIRE PRIVATE LINE		TYPE OF OPERATION			
		ZN*	Continuous Carrier		L2	(22, 24, 25) (20, 21, 23) (13, 16) (11, 12)
		ZO	Carrier Controlled By Request to Send		L2	(18, 22) (19, 20) (24, 25) (14, 17) (21, 23) (13, 16) (11, 12)
	2-WIRE PRIVATE LINE OR DDD	ZP	Carrier Controlled By Request to Send		L2	(22, 24) (20, 23) (15, 25) (10, 21) (9, 14, 17)
RECEIVE SIGNAL LEVEL (See Note 2, Note 3, and Note 4.)			RECEIVER SIGNAL (DBM)	MAXIMUM LINE NOISE (DBRNC)		
			COMPROMISE EQUALIZER OUT			
		ZA	−50 to −20	−36	L2	(5, 7)
		ZB	−44 to −14	−42	L2	(1, 7) (3, 5)
		ZC	−38 to −8	−48	L2	(6, 7) (4, 5)
		ZD*	−32 to −2	−54	L2	(1, 7) (3, 6) (4, 5)
			COMPROMISE EQUALIZER IN			
		ZE	−42 to −12	−40	L2	(2, 7) (5, 8)
		ZF	−36 to −6	−46	L2	(1, 7) (2, 3) (5, 8)
		ZG	−30 to 0	−52	L2	(6, 7) (2, 4) (5, 8)
		ZH	−24 to +6	−58	L2	(1, 7) (3, 6) (2, 4) (5, 8)

*Indicates factory-wired option.

Note 1: Four-wire installations use option B. Most 2-wire installations use option E; however, short-haul circuits may use option B if requested by customer.

Note 2: Usually, the equalizer is not used on private lines.

Note 3: Option ZG should be used when the data set is on a loop with loss of 4 dB or less.

Note 4: Option ZF should be used when the loop loss is between 4 and 10 dB. If line noise causes faulty operation on the data terminal when using option ZF, then option ZG should be used.

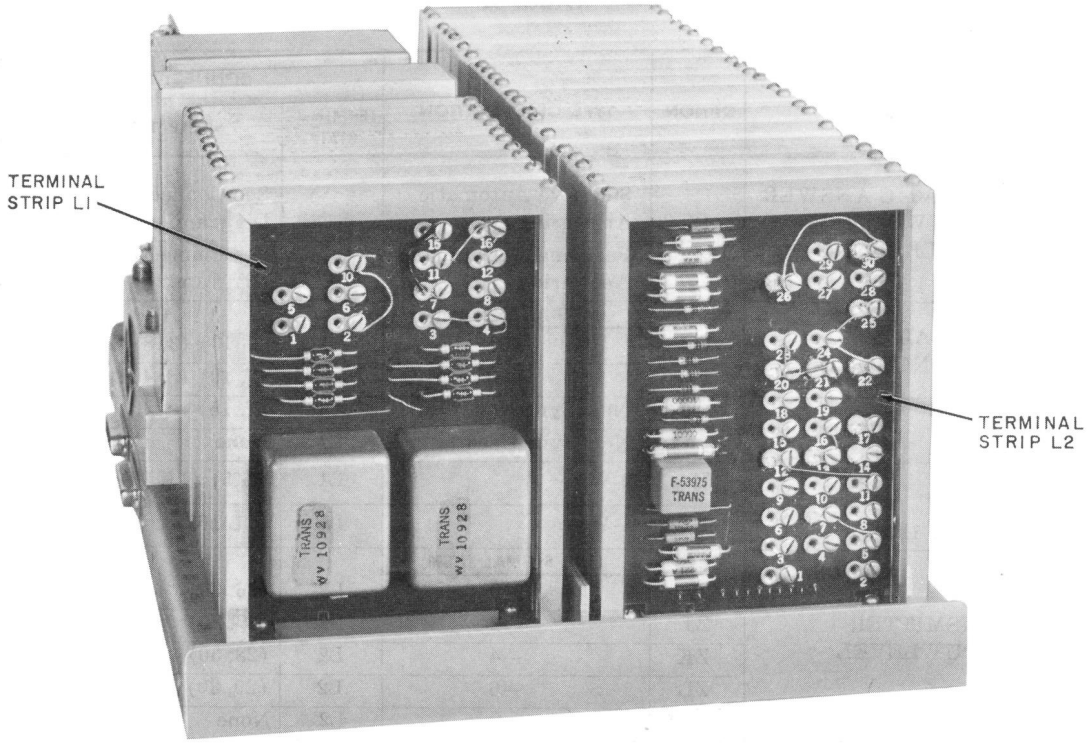

Fig. 1—Data Set 201-Type, Cover Removed

Fig. 3 and 3A—Two-Wire Data Service Without a Telephone Set

Fig. 4 and 4A—Two-Wire Data Service With a Telephone Set but Without a Key Telephone System

Fig. 5 and 5A—Two-Wire Data Service With a Telephone Set and a 1A1 or 1A Key Telephone System

Fig. 6—569NB Telephone Set, Internal Connections

Fig. 7—Data Sets 201A and 201B, Automatic Answering Circuit

Fig. 8—Line and Test Key Circuit.

3.04 Figure 8 shows an external line and test key circuit which may be specified for 4-wire circuits. In the normal position, this key does not affect the operation of the data set. When in the test position, this key connects the output of the transmitter to the input of the receiver and grounds the interface (IT) lead. This permits the business machine to send data to itself through the local data set.

4. REFERENCES

4.01 The following Bell System Practices contain information which may be helpful in installing and connecting Data Sets 201A1, A2 and 201B1, B2:

SECTION	TITLE
502-533-100	Telephone Sets—569NB
590-010-200	Data Sets, General Installation and Connection Information
592-011-100	Data Sets 201A1, A2 and 201B1, B2, Transmitter-Receiver, Description and Operation