

**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 401J-TYPE
RECEIVER
INSTALLATION AND CONNECTIONS**

1. GENERAL

1.001 This addendum supplements Section 594-018-200, Issue 6. The attached pages must be inserted in the section in accordance with the filing instructions above.

2. OPTION CONNECTIONS

The following changes apply to Part 2 of this section:

- (a) Table B—revised
- (b) 2.05—revised

Attached:

**Page 5 dated August 1971—revised
Page 6 dated August 1971—reissued**

TABLE B (Cont)

FEATURE	OPTION	DESIG	AVAILABLE ON				CONNECTIONS		QUANTITY
			401J2 401J6	401J3 401J7	401J4 401J8	401J5 401J9	FROM CPS4	TO TB2 TERM	
Answer-back	Voice	E		*		*	OUT -18V -36V G IN2 IN1	31 32 33 34 35 36	One per circuit
	8F-type (rotary)	V	*	*			CONNECTION ON 4010B NETWORK		One per circuit
							COLOR CODE	TERM	
							W G BL W	R RR F GN	
	35-type (TOUCH-TONE)	Y			*	*	O-BK BL R R-G W BK G W-BL	C B L2 R GN RR F G	

* Identifies options installed by the factory.

† Identifies options that may be installed by removing the noncompatible factory-supplied option and wiring as shown.

‡ Identifies options installed in 401J2 through 401J5 series 4 and above and all 401J6 through 401J9.

Note 1: Do not connect additional ringing bridges on the data line when option G is used.

Note 2: Central office data line must be incoming only, equipped with standard auxiliary line circuit.

Note 3: DC battery must be furnished on private line installations.

Note 4: This option is used only on short telephone lines with unusual noise conditions.

Note 5: This option is used only when the data set is connected to Data Auxiliary Set 801-type.

Note: Data Set J1D401J, 401J1, 401J2, 401J3, 401J4, and 401J5 are now rated manufacture discontinued (MD), but they are covered in this section to provide information for those units already in the field.

2.03 All in-service data sets must meet signal level requirements which allow the data signal to be no greater than -12 dBm at the serving central office.

2.04 The answer-back tone in Data Sets J1D401J, series B and below; 401J1, series 1; and 401J2, 401J3, 401J4, and 401J5, series 3 and below may require padding to meet the requirements mentioned in 2.03 (refer to Fig. 1 for pad construction and connection information).

2.05 The pad will attenuate the data set output to meet the -12 dBm requirement. Table C shows the pad value required for different values

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of loop loss and data set output. The pad can be constructed locally or ordered from Western Electric Company as shown in Fig. 1.

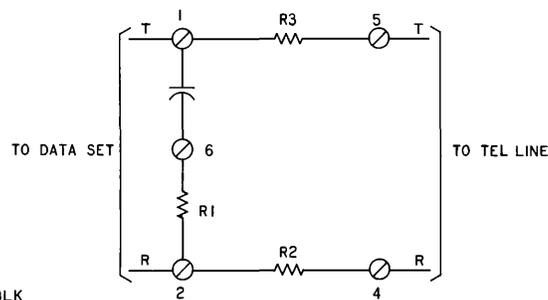
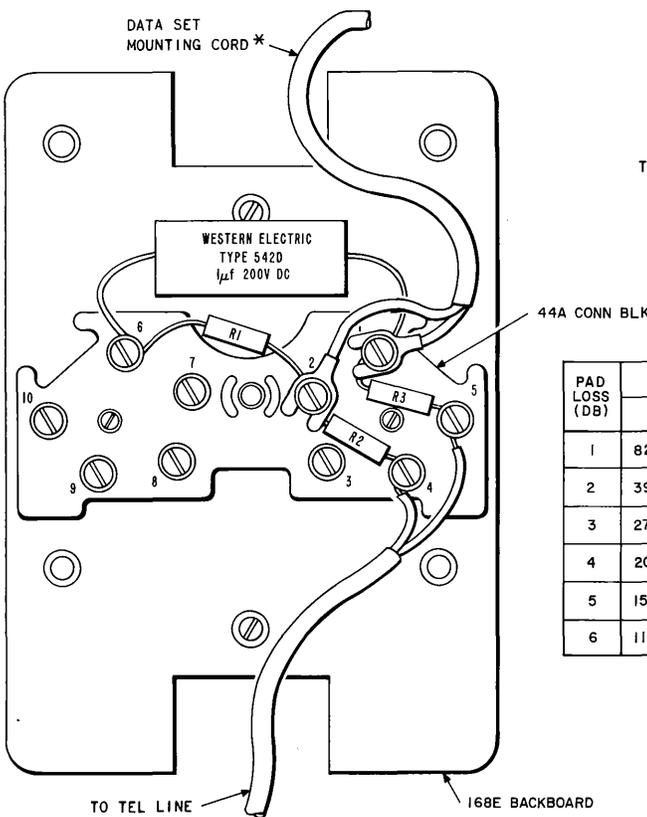
2.06 The procedure for connecting the options of the data set is as follows.

- (a) Remove the covers of the data set.
- (b) Connect the necessary options as shown in either Table A or Table B on terminal boards TB1 (see Fig. 2) and TB2 (see Fig. 3 and 4), and on the 58A control unit or the 3A3 data unit, depending on the data set code.
- (c) Replace the covers of the data set.

3. INSTALLATION PROCEDURES

3.01 Data Set 401J-type shall be installed in conformance with the existing practices covering installation of station sets. Refer to the section entitled Data Sets—General Installation Information (590-010-200).

Note: To minimize noise and interference, the business machine and the data set should be served from the same ac distribution panel. A test using the 6A impulse counter should be made to detect any noise as outlined in the section entitled Data Set 401J-Type—Test Procedures (594-018-500). If the test requirements are not met, a bond must be provided to improve the grounding condition between the business machine and the data set. The



PAD LOSS (DB)	RESISTOR VALUE (OHMS)				ORDERING INFORMATION
	R1		R2 AND R3		
1	8200	GRAY RED RED	47	YELLOW VIOLET BLACK	F-58101
2	3900	ORANGE WHITE RED	110	BROWN BROWN BROWN	F-58102
3	2700	RED VIOLET RED	160	BROWN BLUE BROWN	F-58103
4	2000	RED BLACK RED	220	RED RED BROWN	F-58104
5	1500	BROWN GREEN RED	240	RED YELLOW BROWN	F-58105
6	1100	BROWN BROWN RED	270	RED VIOLET BROWN	F-58106

- NOTES:
- 1. RESISTORS ARE ALLEN BRADLEY, 1 WATT, 5% TOLERANCE (KS-19151 L1). CAPACITOR IS WESTERN ELECTRIC CO. 542D TYPE, 1µF, 200VDC.
 - 2. A 101C TYPE COVER SHOULD BE USED TO PROTECT THE PAD.
 - 3. THE PAD VALUE SHOULD BE STENCILED ON COVER FOR FUTURE REFERENCE.

* STORE UNUSED CONDUCTORS ON VACANT TERMINALS

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