

DATA SET 404A
TRANSMITTER-RECEIVER
USED ON PRIVATE SERVICE SYSTEMS
SWITCHING SYSTEM NO. 307
INSTALLATION AND CONNECTION

1. GENERAL

1.01 Issue 1 of this section received limited distribution. It is being reissued to make corrections and changes.

2. INSTALLATION

Caution: The weight of this data set is 53 pounds.

2.01 The data set is to be installed in the telephone equipment cabinet (J1G016) designated HSASR.

2.02 Secure the data set in the space provided at the bottom of the right side mounting frame in the cabinet.

Note: Because of the confined working space, a screwdriver-type screwdriver will be required to start the mounting screws.

2.03 The HSASR cabinet will come pre-wired. Most of the connections will be terminated except for the data set interface connectors. At the time of installation place the appropriate connector to J1, J2, and J3 on the 404A.

2.04 Fig. 1 shows a typical cord arrangement for a set in service.

2.05 Strap data set for options stated on service order.

Caution: A chassis ground strap has been placed at the factory between E1 on the chassis and ground R. Check to see that this strap is connected before installation testing. After testing is completed, REMOVE strap. If data set requires further testing at a later date, DISCONNECT ac power cords of the data set 404A. Then connect P1 plug to J1. An electrical shock may be experienced if data set is touched in any manner and the P1 plug is not connected to J1 and power is on.

2.06 Place power cords in the receptacles provided on the data set and on the mounting frame of the telephone equipment cabinet.

2.07 Test data set with data test center.

2.08 If additional testing is necessary, use test procedures described in Section 594-021-500.

3. CONNECTIONS

3.01 Table A gives the options available.

3.02 Table B shows the lead associated with each pin position on the interface connectors.

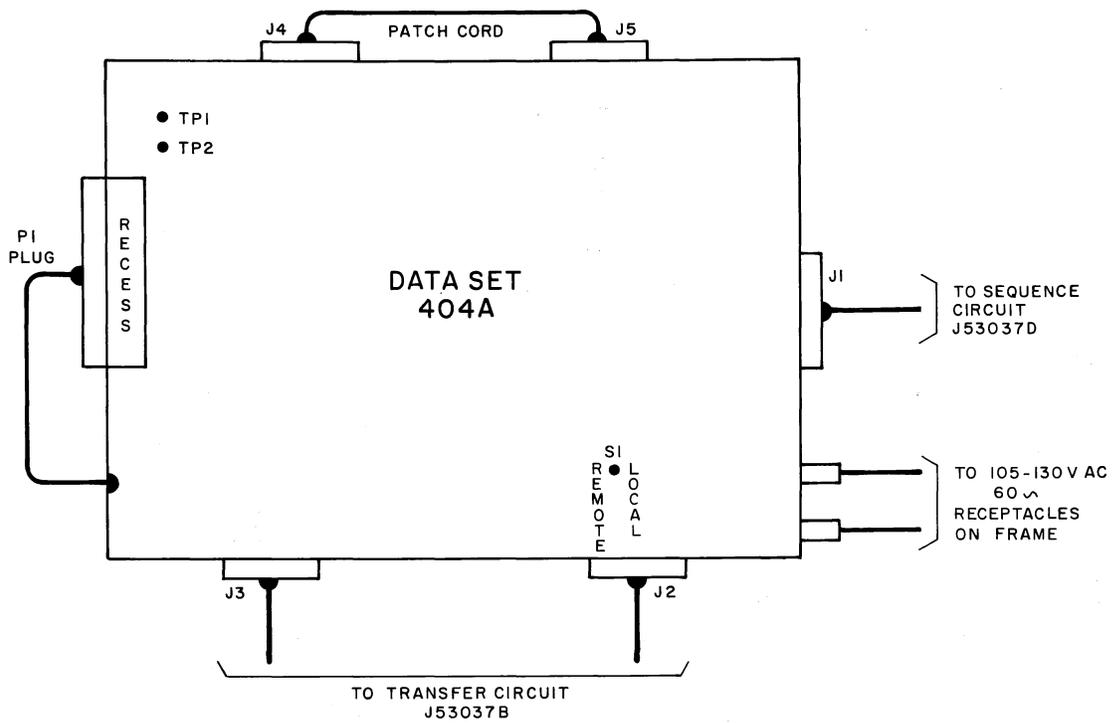


Fig. 1 - Typical Cord Arrangement for Set in Service

TABLE A
OPTIONS

On CPS-12	On CPS-13
<p>For 0-dbm signal - Z option (factory wiring)</p> <p>For -3 dbm signal - Y option</p> <p>For -6 dbm signal - X option</p> <p>For -9 dbm signal - no strap</p> <p>In the Z option the strap will be across the two lugs provided. For the Y or X option, move the strap to the lugs so designated. For -9 dbm signal, remove strap.</p>	<p>For 10 db attenuation - W option (factory wiring)</p> <p>For no attenuation - V option</p> <p>In the W option the two straps will run horizontally with the top and bottom of the CPS.</p> <p>In the V option the two straps will run vertically with the top and bottom of the CPS.</p>

TABLE B
INTERFACE DESIGNATIONS

J1 Interface		J2 Interface		J3 Interface	
Pin No.	Designation	Pin No.	Designation	Pin No.	Designation
1	Sig Grd	3	A1 ₁	3	A ₁
2	SD-(R)	4	A2 ₁	4	A ₂
3	SD-(T)	5	A3 ₁	5	A ₃
12	RD-(T)	6	A4 ₁	6	A ₄
13	RD-(R)	7	+6.0 volts	9	B ₁
19	RS-(request send)	9	B1 ₁	10	B ₂
24	Sig Grd	10	B2 ₁	11	B ₃
25	TE (test)	11	B3 ₁	12	B ₄
		12	B4 ₁	19	CP (character present)
		14	A1 ₂	14, 15, 16, 17, 18, 20, 21, 22, 23	Grd
		15	A2 ₂		
		16	A3 ₂		
		17	A4 ₂		
		18	SC ₂ (send character)		
		19	SC ₁ (send character)		
		20	B1 ₂		
		21	B2 ₂		
		22	B3 ₂		
		23	B4 ₂		
		24	Sig Grd		