

## TELEPHONE SETS

### 910A AND 2910A

#### IDENTIFICATION, INSTALLATION, AND CONNECTIONS

##### 1. GENERAL

1.01 This section provides identification, installation, and connection information for the 910A (Fig. 1) and 2910A (Fig. 2) DESIGN LINE\* telephone (Stowaway) sets.

\*Trademark

**Warning:** Telephone apparatus or wiring shall not be installed in a location where minimum separation from other wiring as specified in Section 460-300-149 cannot be maintained.



Fig. 1—910A DESIGN LINE Telephone Set

1.02 The customer's premises must be properly wired with an appropriate jack in order to accept the D4BU-29 plug-ended mounting cord and/or 225A adapter furnished with each telephone set.

##### 2. IDENTIFICATION

2.01 The 910A (rotary dial) and 2910A (TOUCH-TONE® dial) equipped telephone

sets are new DESIGN LINE telephone sets being made available to the customer. The customer buys the housing and handset from the telephone company and the telephone company retains ownership of the transmission and signaling components which are mounted on a removable base and incorporated in the handset (Fig. 4 and 5).



Fig. 2—2910A DESIGN LINE Telephone Set

##### Ordering Guide (Refer to Table A)

##### 2.02 Basic Telephone Set Ordering Information:

Example: Set, Telephone, 910A10-50† is an ivory set with chrome trim and is equipped with a rotary dial and an oiled walnut applique (Fig. 1 and 3).

†Refer to Table A for available color and applique information.

2.03 These telephone sets are intended to be used as single line or two-party common battery desk sets and cannot be used on four- and eight-party service.

TABLE A  
ORDERING GUIDE

TEL SET			TEL SET BASE		DIAL	HANDSET	PLASTIC COLOR	KIT OF PARTS †
USOC*	CODE	APPLIQUE	CODE	TRIM				
DL7BT	910A10-03	Oiled Walnut	910A	Chrome	RTY	K1A-03	Black	D-180525
	2910A10-03		2910A	None	TT			
DL7VT	910A10-50	Oiled Walnut	910A	Chrome	RTY	K1A-50	Ivory	D-180526
	2910A10-50		2910A	None	TT			
DL7BC	910A11-03	Mediterranean	910B	Gold	RTY	K1A-03	Black	D-180525
	2910A11-03		2910A	None	TT			
DL7VC	910A11-50	Mediterranean	910B	Gold	RTY	K1A-50	Ivory	D-180526
	2910A11-50		2910A	None	TT			

\* Uniform service order code.

† Consists of a dummy rotary dial, a dummy TOUCH-TONE dial, and a dummy handset.

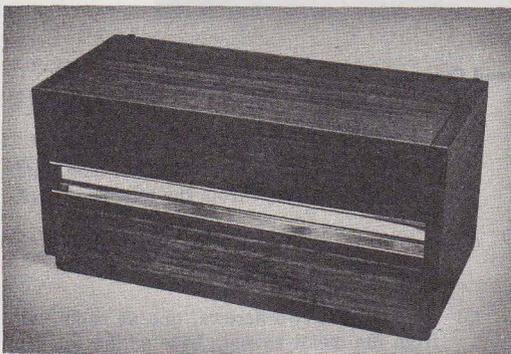


Fig. 3—910A or 2910A DESIGN LINE Telephone Set with Cover Closed

#### 2.04 *Optional Components* (order separately):

- D-180461 Guard Assembly (polarity guard)
- D-180460 Kit of Parts.

### 3. INSTALLATION AND CONNECTIONS

3.01 These telephone sets are furnished from the factory fully assembled and wired for bridged ringing. To connect the telephone set,

plug the mounting cord into a 625A jack or if the existing jack is a 548A or equivalent, use the 225A adapter furnished with each set.

3.02 The internal connections for the 910A and 2910A telephone sets, for nonkey system use, are shown in Fig. 9 and 10, respectively.

3.03 Connections for 1A KTS do not require any telephone set modifications and are wired same as Fig. 9 and 10.

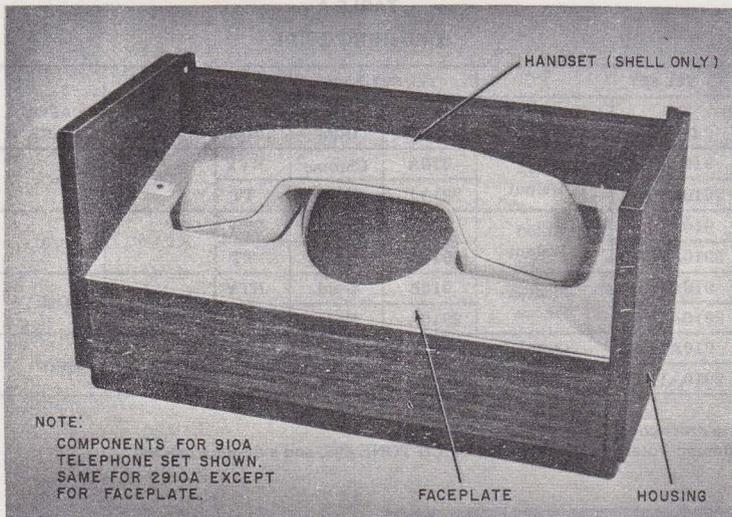
3.04 Connections for use with 1A1 or 1A2 KTS are shown in Fig. 11 for 910A telephone set and Fig. 12 for 2910A telephone set. Table D includes necessary wiring modifications required for key telephone system use.

3.05 To gain access to the interior of these sets for wiring changes, refer to Part 4.

3.06 Refer to Table E for connections when installing a polarity guard (D-180461) in 2910A telephone set.

3.07 To install the D-180461 Guard Assembly proceed as follows:

- (1) Select the (840360408) bracket and two screws from the D-180460 Kit of Parts and discard the remaining parts.



**Fig. 4—Customer-Owned Components**

(2) Install (840360408) bracket in the mounting holes between the line switch and 425K network on the 2910A telephone set base plate. Make sure the bracket tab fits into the square hole in the base plate. Fasten bracket firmly to the base plate using the two screws from the D-180460 Kit of Parts.

(3) Mount D-180461 Guard Assembly to the (840360408) bracket using screw which is furnished.

### 3.08 Line and Ringer Connections:

- (1) For single line and two-party service, refer to Tables B and C.
- (2) For adjustments and ringer cutoff feature of the P1A ringer, refer to Section 501-259-101.

### 4. REMOVAL OF TELEPHONE COMPANY-OWNED COMPONENTS

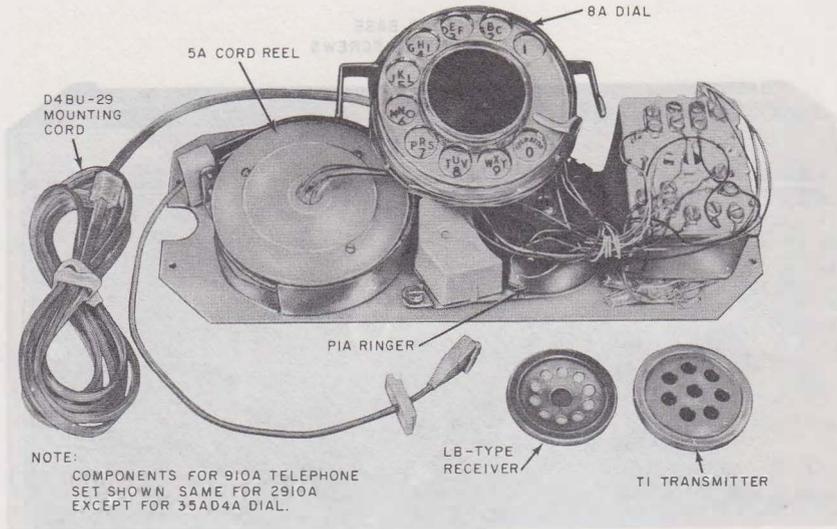
**4.01** When it is desired to discontinue telephone service of the 910A or 2910A DESIGN LINE telephone set, proceed as follows:

- (1) Unplug the cord from the handset and remove the handset from the telephone set.
- (2) Unplug the mounting cord from the base of the telephone set.
- (3) Remove the two screws, one at each end, from the metal housing base of the wooden box (Fig. 6).
- (4) Remove the four screws, two at each end, from the 910A or 2910A telephone set base (Fig. 7).
- (5) Withdraw the base slowly permitting the cord to withdraw from the cord reel until access is gained to the inside of the box so that the two screws holding the cord guide bracket to the box end bracket may be reached.
- (6) Remove one cord guide bracket screw and loosen the other, and slide bracket to one side and withdraw the cord through the faceplate hole (Fig. 8).

- (7) Install appropriate dummy dial from the appropriate D-kit of parts listed in Table A.
- (8) Reassemble metal housing base to the box end brackets. See Fig. 6 and 8.

- (9) Install dummy handset.

**4.02** Follow local procedures for returning handset and telephone set base.



**Fig. 5—Telephone Company-Owned Components**

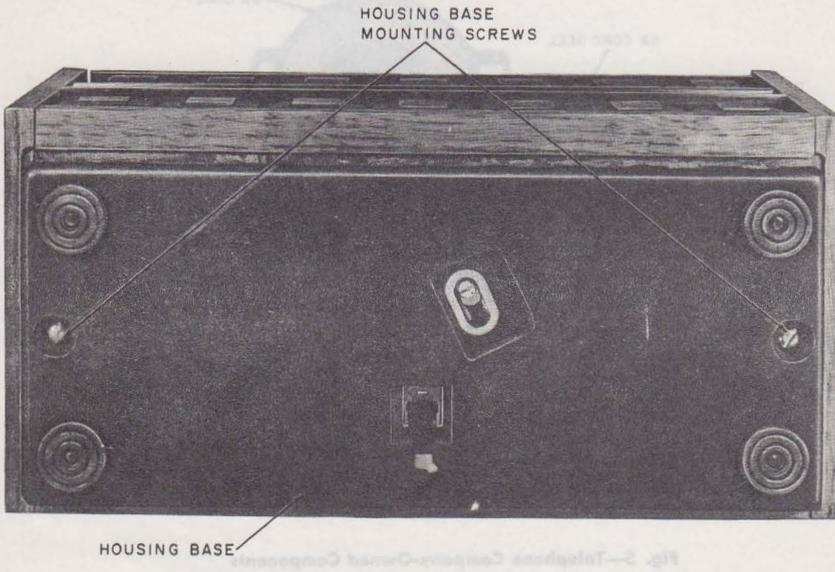


Fig. 6—Removing Metal Housing Base (910A or 2910A Telephone Set)

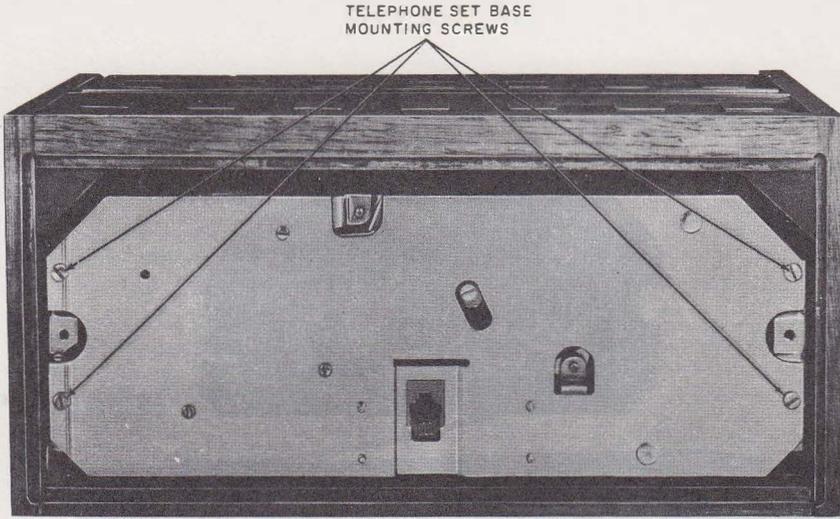


Fig. 7—Removing Telephone Set Base (910A or 2910A Telephone Set)

TABLE B  
LINE AND RINGER CONNECTIONS  
(910A TELEPHONE SET) †

WIRE OR LEAD	COLOR	INDIVID. OR BRIDGED	RING PARTY	TIP PARTY		
				NO IDENT GROUND	IDENT GROUND	
					1000Ω	2650Ω
Inside Wire at Jack	R	R	R	R	R	R
	G	G	G	G	G	G
	Y	Y	Y	Y	Y	Y
	BK	B	B	B	B	B
623P4 Jack Assy	R	A	A	L1	F	F
	G	L1	L1	A	L2	L2
	Y	G	G	G	G	G
	BK	L2	L2	L2	*	*
Ringer	R	K	K	K	K	K
	S-R	*	*	*	*	L1
	S	*	*	*	L1	*
	BK	L1	G	G	G	G
Line Switch	Y	A	A	A	L2	L2
	W	F	F	F	B	B

\* Insulated and stored.

† For access to set wiring, follow applicable steps in Part 4.

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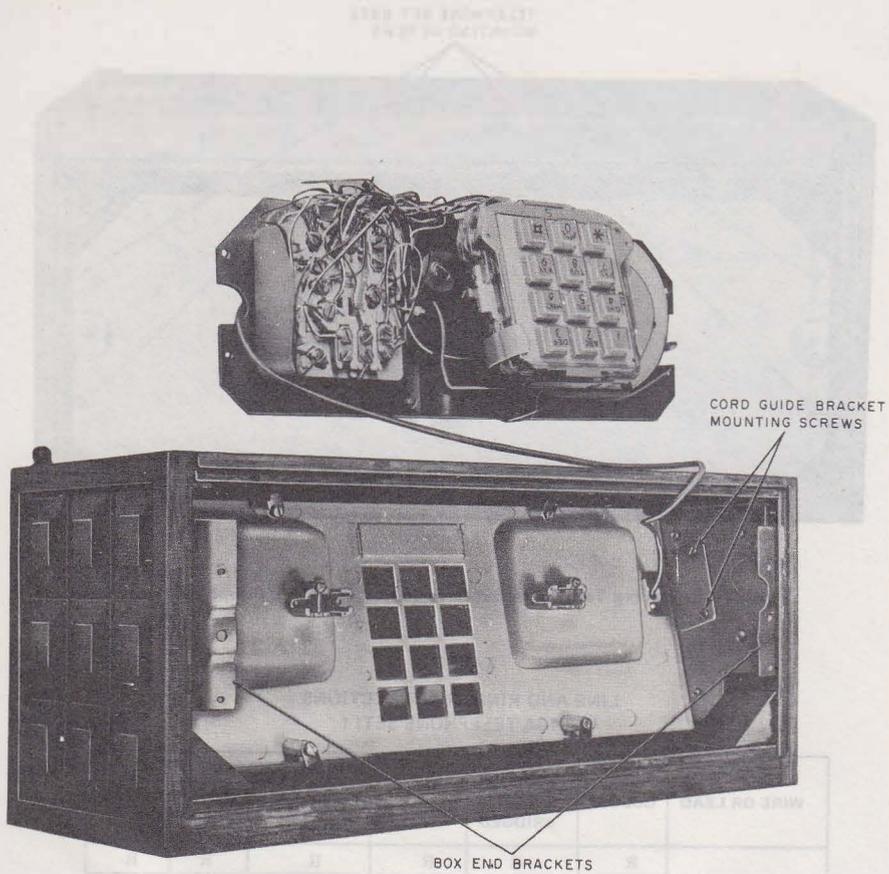


Fig. 8—Removing Cord Reel Plug from 910A or 2910A Telephone Set

TABLE C  
 LINE AND RINGER CONNECTIONS  
 (2910A TELEPHONE SET) †

WIRE OR LEAD	COLOR	INDIVID. OR BRIDGED	RING PARTY	TIP PARTY		
				NO IDENT GROUND	IDENT GROUND	
					1000 $\Omega$	2650 $\Omega$
Inside Wire at Jack	R	R	R	R	R	R
	G	G	G	G	G	G
	Y	Y	Y	Y	Y	Y
	BK	B	B	B	B	B
623P4 Jack Assy	R	A	A	L1	C	C
	G	L1	L1	A	L2	L2
	Y	G	G	G	G	G
	BK	L2	L2	L2	*	*
Ringer Lead	R	K	K	K	K	K
	S-R	*	*	*	*	L1
	S	*	*	*	L1	*
	BK	L1	G	G	G	G
Line Switch	Y	A	A	A	L2	L2
	W	F	F	C	B	B
	BR	C	C	F	F	F

\* Insulated and stored.

† For access to set wiring, follow applicable steps in Part 4.

**TABLE D**  
**MODIFICATIONS FOR 1A1 OR 1A2 KTS**  
**(910A OR 2910A TELEPHONE SET)\***

LEAD	COLOR	NET. TERM.	
		REMOVE FROM	CONNECT TO
Line Switch	S	A	L2
	Y	A	L2
	BR	C	G
	G	L1	A
	W	F	C
623P4 Jack Assy	G	L1	F
Ringer	BK	L1	F

\*For access to set wiring, follow applicable steps in Part 4.

**TABLE E**  
**POLARITY GUARD CONNECTIONS**  
**FOR 2910A TELEPHONE SET**  
**(P-90D170 GUARD ASSEMBLY)\***

LEAD	COLOR	DISCONNECT FROM	CONNECT TO	
		NET	NET	POLARITY GUARD
Dial	BK	RR		T
Line Switch	BR ①			S
	W ②	C		
623P4 Jack Assy.	R ③			
Polarity Guard	G W		RR C	

\* For access to set wiring follow applicable steps in Part 4

- ① If wired for bridged service or ring party.
- ② If wired for tip party with no identification ground, 1A1 KTS, or 1A2 KTS.
- ③ If wired for tip party with identification ground.

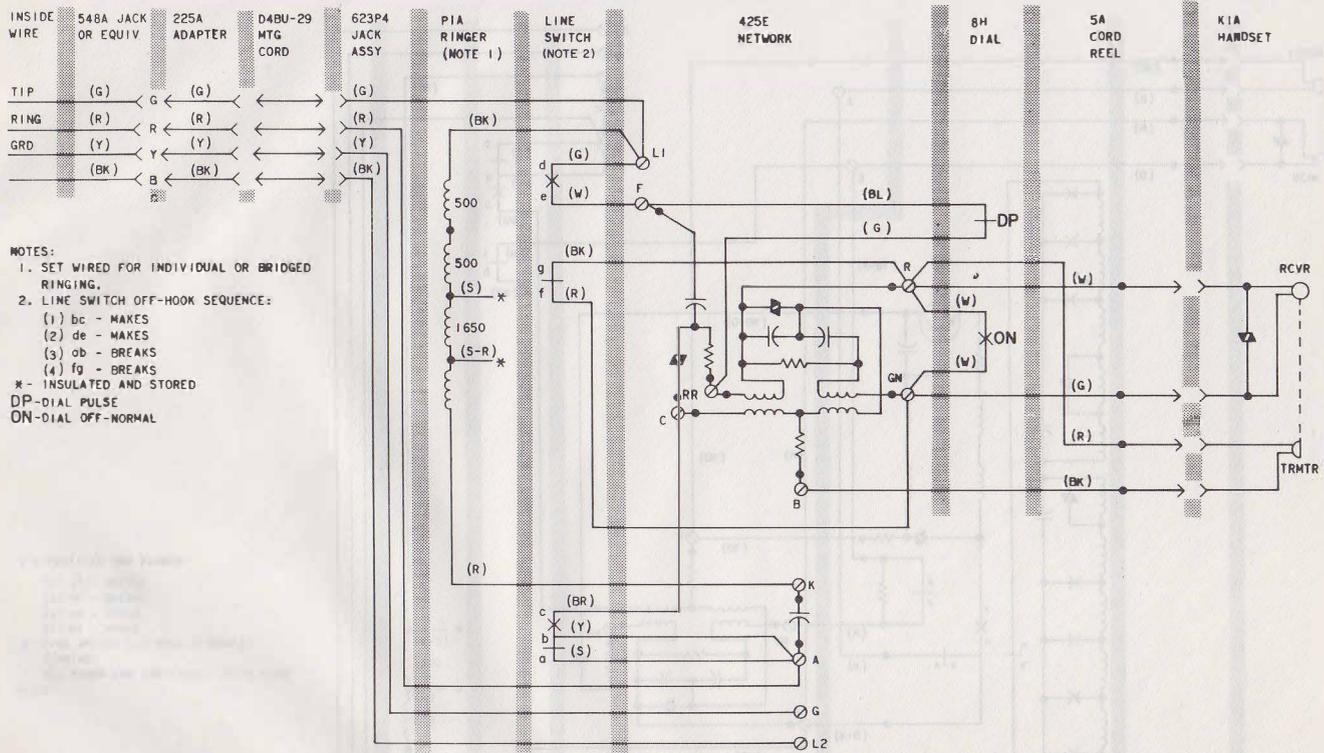


Fig. 9—910A Telephone Set, Connections



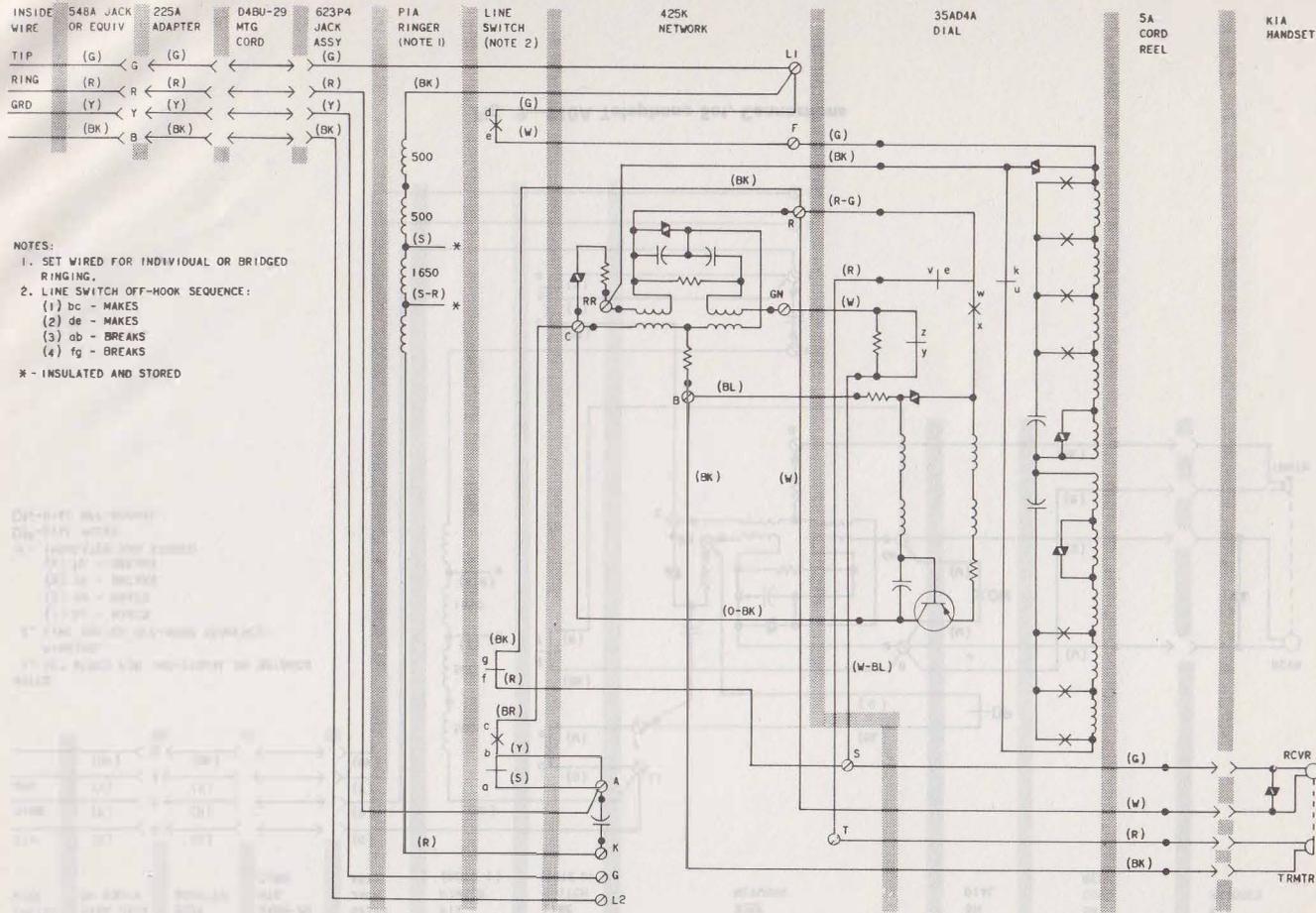


Fig. 10—2910A Telephone Set, Connections

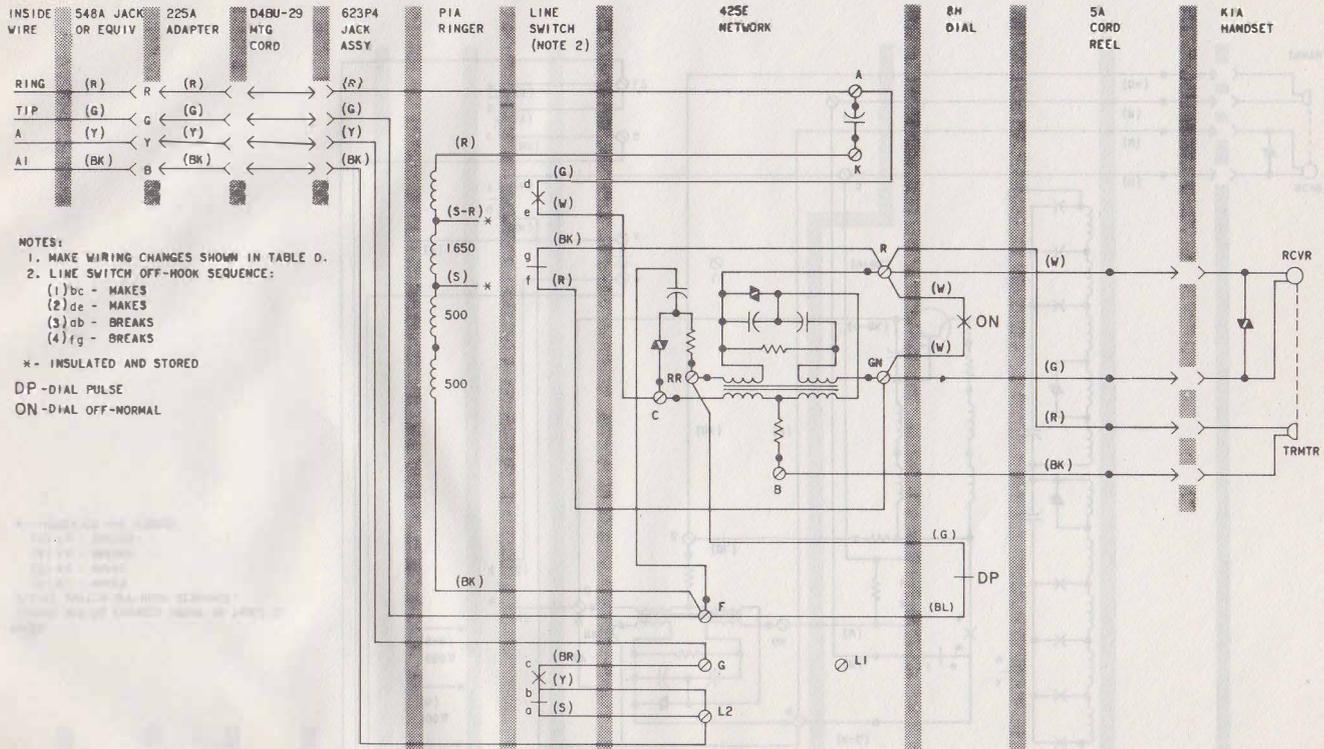


Fig. 11—910A Telephone Set Wired for 1A1 or 1A2 KTS

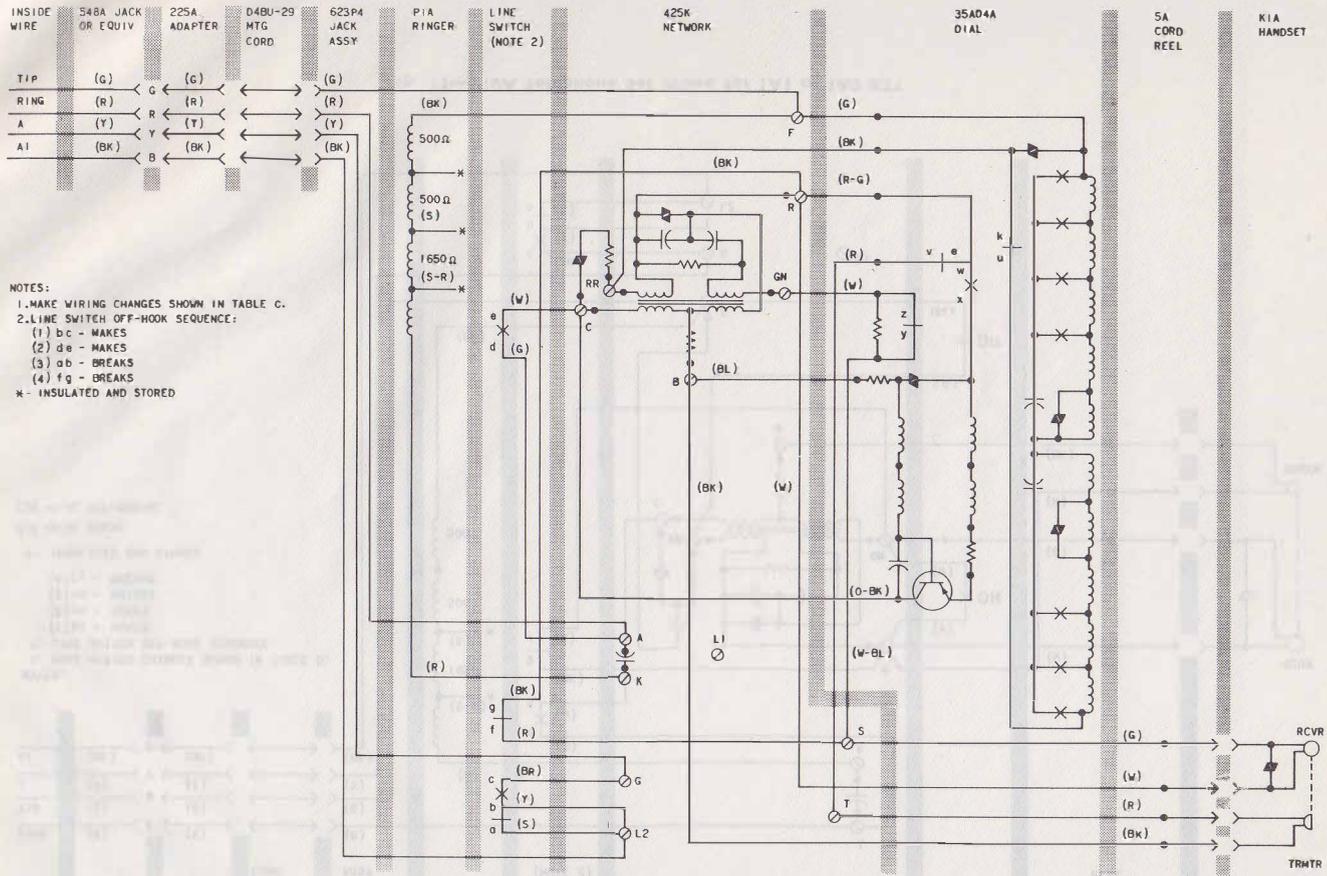


Fig. 12—2910A Telephone Set Wired for 1A1 or 1A2 KTS