

## 940-TYPE TELEPHONE SETS

### IDENTIFICATION, INSTALLATION, AND CONNECTIONS

#### 1. GENERAL

1.01 This section contains information for the 940A (MD), 940B (MD), 940C (MD), 940D40, and 940D41 (Fig. 1) DESIGN LINE\* telephone (*Celebrity*) sets.

1.02 This section is reissued to:

- Add information on the 940D40-62 and 940D41-50 telephone sets
- Add information on the 1A converter
- Show 940C40-62 and 940C41-50 telephone sets MD.

**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.

1.03 The customer's premises must be properly wired with an appropriate connecting block or jack in order to accept the D4BU plug-ended mounting cord.

#### 2. IDENTIFICATION

2.01 The 940-type rotary dial equipped telephone sets are DESIGN LINE telephone sets being made available to the customer. The customer buys the housing, handset, and decorative features from the telephone company and the telephone company retains ownership of the transmission and signaling components which are mounted on a removable base (Fig. 2) and incorporated in the handset.

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Fig. 1—940-Type DESIGN LINE Telephone Set

Ordering Guide (Refer to Table A)

#### 2.02 Basic Telephone Set Ordering Information:

Example: Set, Telephone, 940D41-50† is an ivory set equipped with a rotary dial and gold trim (Fig. 1).

2.03 ♦ These sets are primarily used on single line and two-party service; however, they can be used on four- and eight-party service if a 28A ringer isolator is provided. For connection information on the ringer isolator, refer to Section 501-375-101.♦

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

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♦TABLE A♦  
ORDERING GUIDE

TEL SET CODE	PLASTIC COLOR	TRIM COLOR	DIAL	HANDSET CORD	MTG CORD
940D40-62	Blue	Chrome	8HA-119	H4DU-62	D4BU-29
940D41-50	Ivory	Gold	8HA-120	H4DU-50	

### 3. INSTALLATION AND CONNECTIONS

**3.01** These telephone sets are furnished from the factory fully assembled and wired for bridged ringing. The P1A ringer is shipped from the factory with the bias spring in the low bias position. To connect the telephone set, plug the mounting cord into a 625-type connecting block or if the existing jack is a 548A or equivalent, a 225A adapter or 1A converter is required and must be ordered separately.

**3.02** The internal connections for the 940-type telephone sets nonkey system use are shown in Fig. 3 and 4.

**3.03** Connections for 1A KTS do not require any telephone set modifications and are wired same as Fig. 3 and 4.

**3.04** Connections for use with 1A1 or 1A2 KTS are shown in Fig. 5. Table C includes necessary wiring modifications required for 1A1 or 1A2 key telephone system use.

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

#### 3.06 Line and Ringer Connections:

- (1) For single line and two-party service, refer to Table B.
- (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 940-type DESIGN LINE

telephone set ♦or the customer is moving to a non-Bell System served area.♦ Proceed as follows.

**Note:** Remove only the telephone company-owned components that can be easily removed.

- (1) Remove handset cord from handset and telephone set base.
- (2) ♦Remove the receiver and transmitter units from the handset.♦
- (3) Remove mounting cord from telephone set base and connecting block or adapter.
- (4) Remove three housing mounting screws located on bottom outer edge of the baseplate (Fig. 2).
- (5) Remove upper and lower housing by lifting them off.
- (6) After removing telephone company-owned components reassemble upper and lower housings using the three housing mounting screws (Fig. 2).

**4.02** Follow local procedures for returning components.

**4.03** When it is necessary to return a set to Western Electric for repair, it should be packed using the D-180600 Kit of Parts which contains packing material and instructions.

TABLE B

## LINE AND RINGER CONNECTIONS †

WIRE OR LEAD	COLOR	INDIVID. OR BRIDGED	RING PARTY	TIP PARTY		
				NO IDENT GROUND	IDENTIFYING GROUND	
					1000Ω	2650Ω
Inside Wire at Conn Block or 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 Mtg Cord 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
Line Switch §	BL-W	A	A	A	*	*
	W	F	F	F	B	B
	BL	C	C	C	*	*
	BR	L2	L2	L2	C	C
	S	L2	L2	L2	A	A

\* Insulated and stored.

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

‡ Applicable to 940A, B, and C-type telephone set, only.

§ Applicable to 940D41-50 and 940D40-62 telephone sets, only.

TABLE C

## MODIFICATIONS FOR 1A1 OR 1A2 KTS \*

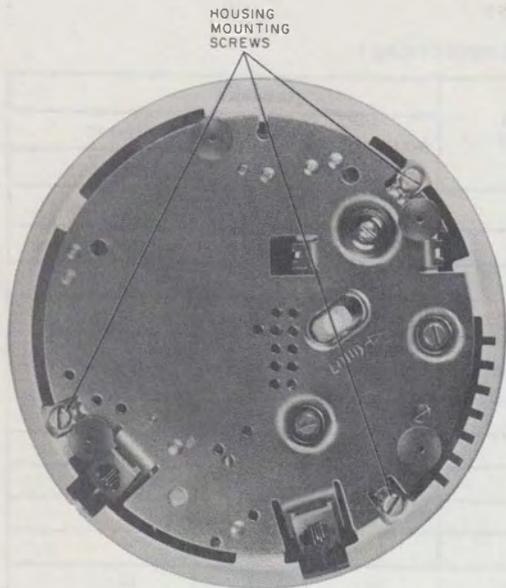


Fig. 2—Telephone Set, Bottom View

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

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

† Applicable to 940A, B, and C-type telephone set, only.

‡ Applicable to 940D41-50 and 940D40-62 telephone sets, only.

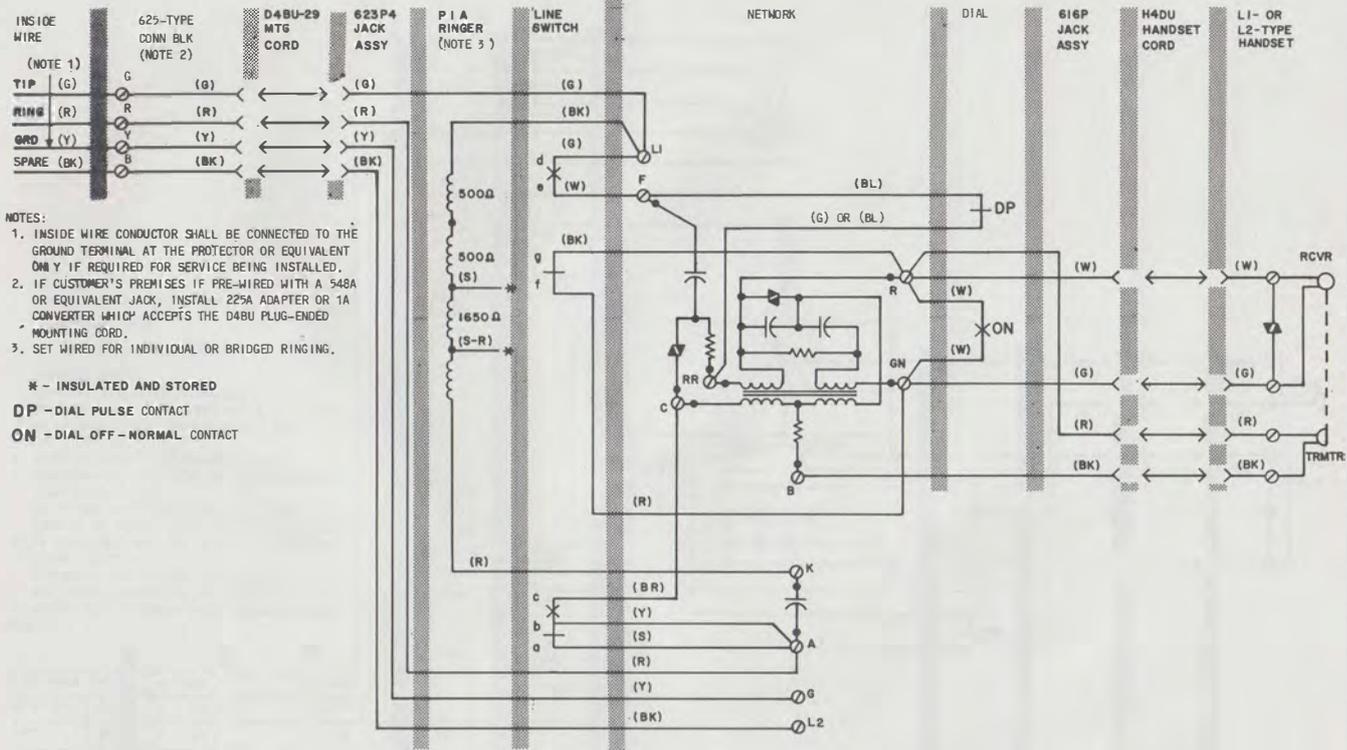
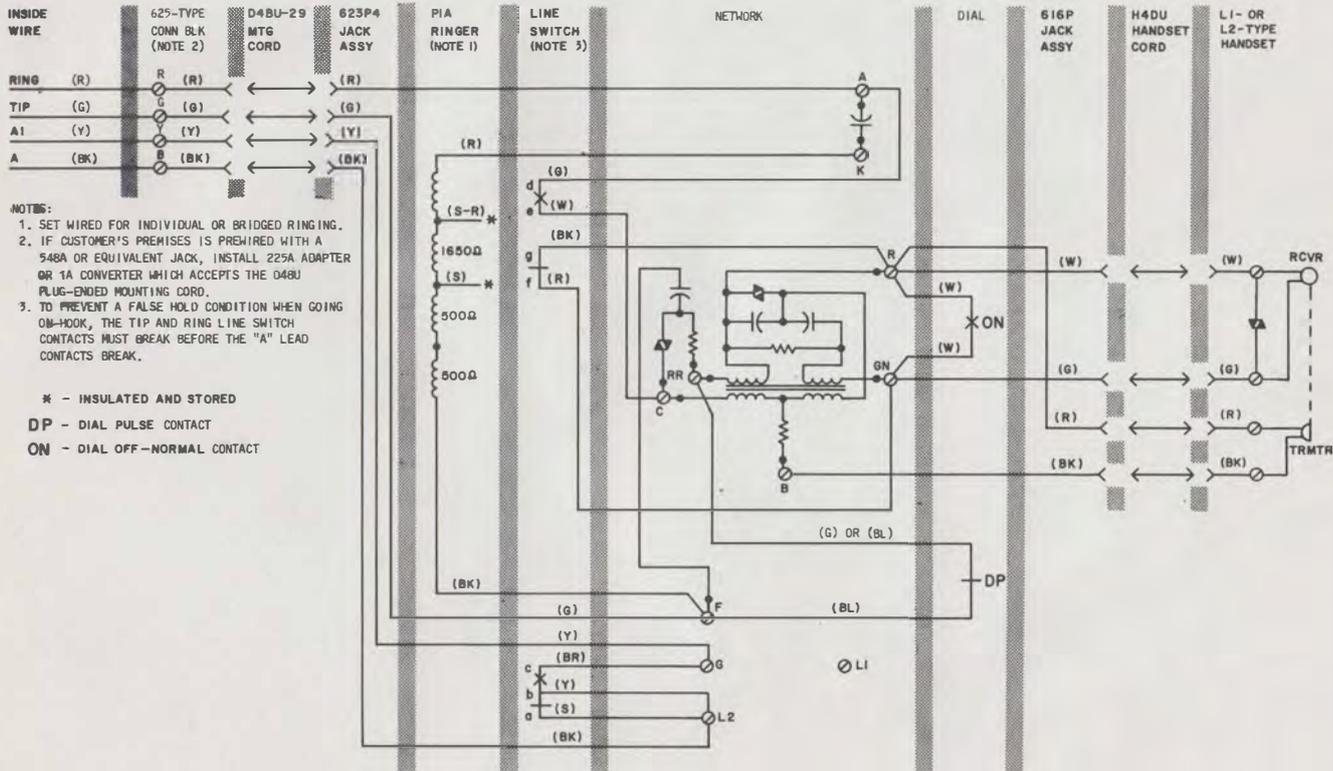


Fig. 3—940A (MD), 940B (MD), and 940C (MD) Telephone Set, Connections





- NOTES:
1. SET WIRED FOR INDIVIDUAL OR BRIDGED RINGING.
  2. IF CUSTOMER'S PREMISES IS PREWIRED WITH A 548A OR EQUIVALENT JACK, INSTALL 225A ADAPTER OR 1A CONVERTER WHICH ACCEPTS THE D4BU PLUS-ENDED MOUNTING CORD.
  3. TO PREVENT A FALSE HOLD CONDITION WHEN GOING ON-HOOK, THE TIP AND RING LINE SWITCH CONTACTS MUST BREAK BEFORE THE "A" LEAD CONTACTS BREAK.

\* - INSULATED AND STORED  
 DP - DIAL PULSE CONTACT  
 ON - DIAL OFF-NORMAL CONTACT

Fig. 5—940A (MD), 940B (MD), and 940C (MD) Telephone Set Connections, Wired for 1A1 or 1A2 KTS