

## 2-LINE, ROTARY DIAL, DESK TELEPHONES

### CIRCUIT LABELS

#### 1. GENERAL

1.01 This document covers the 2-line, rotary dial, desk telephones. (See Figure 1.) The circuit labels for the various models of 2-line, rotary dial, desk telephones and the associated features available in each are included in this document. (See Table A.)



AW86-344

Figure 1: 2-Line, Rotary Dial, Desk Telephone

1.02 This section is reissued to conform to the CORTELCO Practices format. Issue 2 provided the latest issue of circuit labels for the 2-line, rotary dial, desk telephones.

*Note:* Some versions of telephones have been manufacturing discontinued; however, circuit labels have been retained as a reference for telephones still in service.

1.03 For additional information on description and installation of the telephones, refer to Section 50-575-100. A replacement parts list and an exploded-view drawing for the telephones are contained in Section 50-575-101. Related documents of the CORTELCO Telephone Apparatus Practices Manual provide information on components.

1.04 The Model 575 desk telephones are 2-line, rotary dial, anti-sidetone type units that operate efficiently over a wide range of loop resistances and line impedances.

1.05 The Model 575 desk telephones are identified by a coded label affixed to the bottom of the base plate. Refer to Section 50-575-100 of the CORTELCO Telephone Apparatus Practices Manual for ordering information of complete telephones and an explanation of each code number.

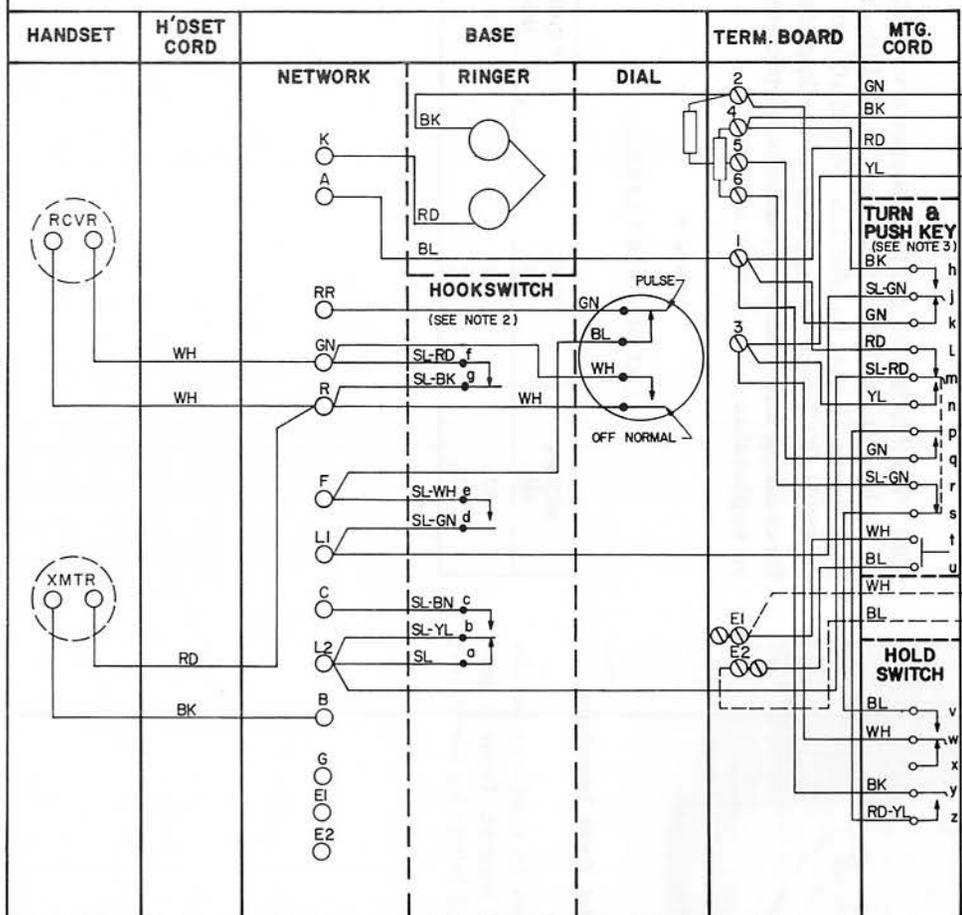
TABLE A  
LIST OF CIRCUIT LABELS

MODEL NO.	TYPE NO.	FIGURE NO.
575	30	2
575	60	3

AW89-39

183519-101

555 & 575 TYPE TELEPHONE CIRCUIT



NOTES

- FOR MANUAL SERVICE:  
REPLACE DIAL WITH DUMMY PLUG ASSEMBLY AND TRANSFER SLATE-WHITE SWITCH LEAD TO RR TERMINAL ON NETWORK.
- WHEN THE HANDSET IS REMOVED FROM CRADLE CONTACT qf BREAK LAST.
- WHEN TURN SPRING ASSEMBLY IS OPERATED, CONTACTS pq SHALL MAKE BEFORE CONTACTS jk AND lm BREAK. FOLLOWING THIS, CONTACTS hj AND mn SHALL MAKE BEFORE CONTACTS rs BREAK.
- TO PERMANENTLY SILENCE RINGER: TAPE AND STORE RED RINGER LEAD.
- RINGER CUT-OFF CONTROL BY CUSTOMER: BEND STOP NEXT TO DETENT ON RINGER VOLUME CONTROL SO THAT IT COMPLETELY CLEARS THE RIM OF THE RINGER FRAME. THIS PROVIDES A FURTHER POSITION ON THE VOLUME CONTROL WHICH PREVENTS ARMATURE MOVEMENT.
- [TAPED AND STORED EXCEPT FOR 16-25 HZ RINGERS WHICH CONNECT SAME AS BIASED RINGER]

TABLE					
RINGER CONNECTION					
CONNECTION AT NETWORK AND TERMINAL BOARD					
RINGER TYPE					
130(OBA) ONLY			156-157 F.S.		
CLASS OF SERVICE	TERMINAL BOARD	NETWORK	TERMINAL BOARD	NETWORK	
BRIDGED	1	K A	1	2	K A
	RD	SL RD	RD	BK	SEE NOTE 6

BIAS SPRING ADJUSTMENT  
HIGH BIAS POSITION  
LOW BIAS POSITION

130 (BA) 470 RINGER IS SHIPPED FROM THE FACTORY WITH THE BIAS SPRING IN THE HIGH BIAS POSITION. THE RINGER IS ADJUSTED TO RING AT 77 VOLTS AT 20 HZ IN THE HIGH BIAS POSITION.

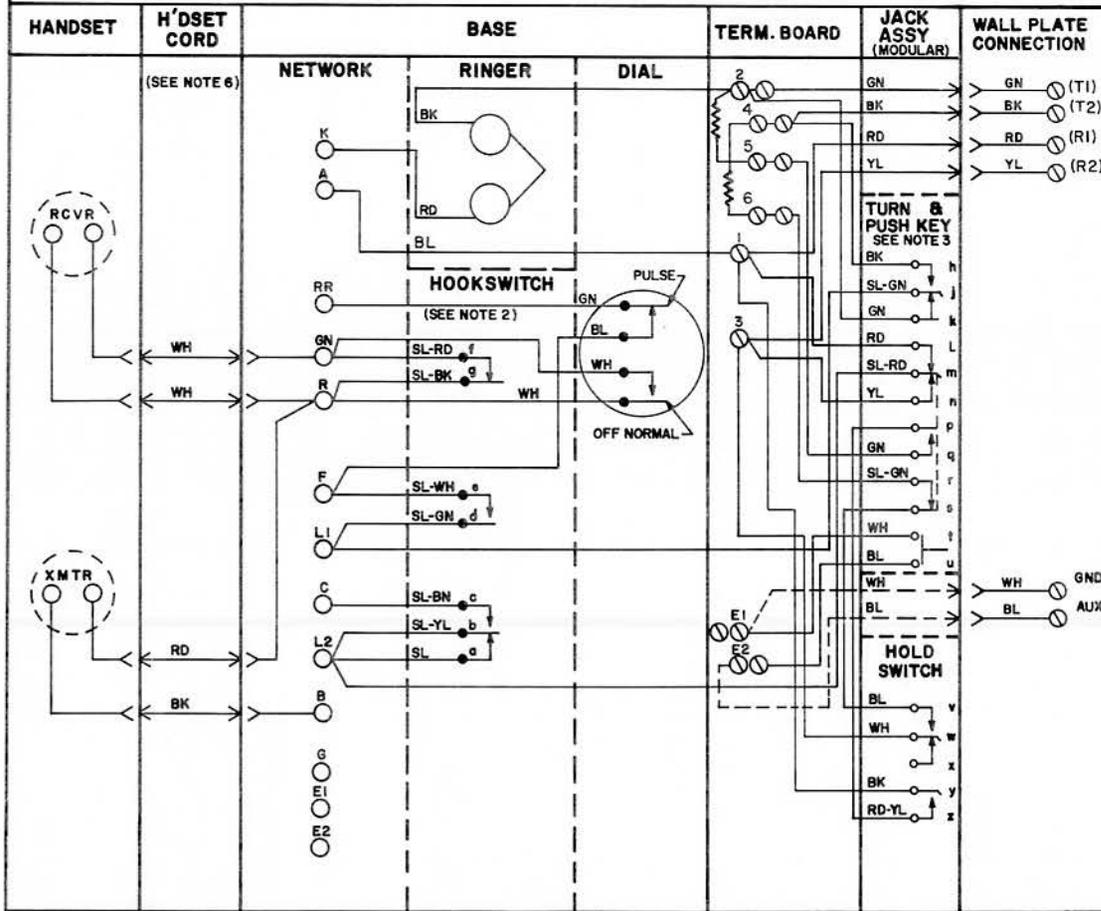
FOR LOWER VOLTAGES AND 30HZ RINGING, THE BIAS SPRING MAY REQUIRE MOVING TO THE LOW BIAS POSITION.

7  
ISSUE NO.

Figure 2: Circuit Label, Model 575 Type 30

183930-101

### 555 & 575 TYPE MODULAR TELEPHONE CIRCUIT

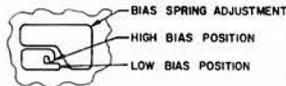


**NOTES**

- FOR MANUAL SERVICE: REPLACE DIAL WITH DUMMY PLUG ASSEMBLY AND TRANSFER SLATE-WHITE SWITCH LEAD TO RR TERMINAL ON NETWORK.
- WHEN THE HANDSET IS REMOVED FROM CRADLE CONTACT g f BREAK LAST.
- WHEN TURN SPRING ASSEMBLY IS OPERATED, CONTACTS p q SHALL MAKE BEFORE CONTACTS j k AND l m BREAK. FOLLOWING THIS, CONTACTS h j AND m n SHALL MAKE BEFORE CONTACTS r s BREAK.
- TO PERMANENTLY SILENCE RINGER: TAPE AND STORE RED RINGER LEAD.
- RINGER CUT-OFF CONTROL BY CUSTOMER: BEND STOP NEXT TO DETENT ON RINGER VOLUME CONTROL SO THAT IT COMPLETELY CLEARS THE RIM OF THE RINGER FRAME. THIS PROVIDES A FURTHER POSITION ON THE VOLUME CONTROL WHICH PREVENTS ARMATURE MOVEMENT.
- FOR QTR. MODULAR TELEPHONE, HANDSET AND ONE END OF DESK STAND CORD IS HARD WIRED TO TELEPHONE BASE.
- [TAPED & STORED EXCEPT FOR 16-25 HZ RINGERS WHICH CONNECT SAME AS BIASED RINGER]

**RINGER CONNECTION**

CLASS OF SERVICE	CONNECTIONS AT NETWORK AND TERMINAL BOARD							
	RINGER TYPE							
	130 CBA				156-157 F.S.			
BRIDGED	TERMINAL BOARD	NETWORK	TERMINAL BOARD	NETWORK	TERMINAL BOARD	NETWORK	TERMINAL BOARD	NETWORK
	I	2	K	A	I	2	K	A
	RD	BK	SL	SL RD	RD	BK	SEE NOTE 7	



THIS RINGER IS SHIPPED FROM THE FACTORY WITH THE BIAS SPRING IN THE HIGH BIAS POSITION. THE RINGER IS ADJUSTED TO RING AT 77 VOLTS AT 20 HZ. IN THE HIGH BIAS POSITION. FOR LOWER VOLTAGES AND 30 HZ. RINGING, THE BIAS SPRING MAY REQUIRE MOVING TO THE LOW BIAS POSITION.

7  
ISSUE NO.

Figure 3: Circuit Label, Model 575 Type 60