

*TELEPHONE SETS*

**2554\*\*(BA)30M  
CONNECTIONS**

**1. GENERAL**

- 1.01 This practice provides the connections for the 2554\*\*(BA)30M type telephone set. This set is a standard wall type touch-tone instrument equipped with a straight line ringer. (See Figure 1).



**FIGURE 1.**

**2. CONNECTION INDEX**

- 2.01 The following tables and figures provide connection information:
- a. Guard Assembly Connections—Table A.
  - b. Line and Ringer Connections—Table B.
  - c. Modification For Use With 1A1 or 1A2 Key Telephone System Line—Table C.
  - d. 2554\*\*(BA)30M Telephone Set, Connections (Factory Wired)—Figure 2.
  - e. 2554\*\*(BA)30M Telephone Set, Connections For 1A1 or 1A2 Key Telephone Systems—Figure 3.

**TABLE A**  
**GUARD ASSEMBLY CONNECTIONS**

WIRE OR LEAD		REMOVE FROM	CONNECT TO
Dial	(BK)	RR net.	T of guard assembly
Line Switch	(BR)* (BL)†	C net.	S of guard assembly
M1W Cord†			
Guard Assembly	(G)		Term. RR net.
	(W)		Term. C net.

**NOTE:** For use when specified by local instructions for end-to-end signaling installation.

\* Factory-wired telephone set.

† Set wired for 1A1 or 1A2 KTS.

‡ Set not equipped with j-k line switch contacts and associated (O) and (BL) leads.

**TABLE B**  
**LINE AND RINGER CONNECTIONS**

WIRE OR LEAD			INDIV. OR BRIDGED	RING PARTY	TIP PARTY		
					NO IDENT. GROUND	IDENT. GRD.	
						1000Ω	2650Ω
Inside Wire	Tip	(G)	1	1	2	2	2
	Ring	(R)	2	2	1	1	1
	Grd	(Y)		3	3	3	3
Ringer Leads	(BK)	1	3	3	3	3	
	(BL)	*	*	*	*	*	
	(S)	*	*	*	B	*	
	(S-R)	*	*	*	*	B	
	(R)	K	K	K	K	K	
Line Switch	(W)	F	F	C	C	C	
	(S)	A	A	A	A	A	
	(BR)	C	C	F	F	F	

\* Insulate and store.

**NOTES:** To silence ringer permanently:

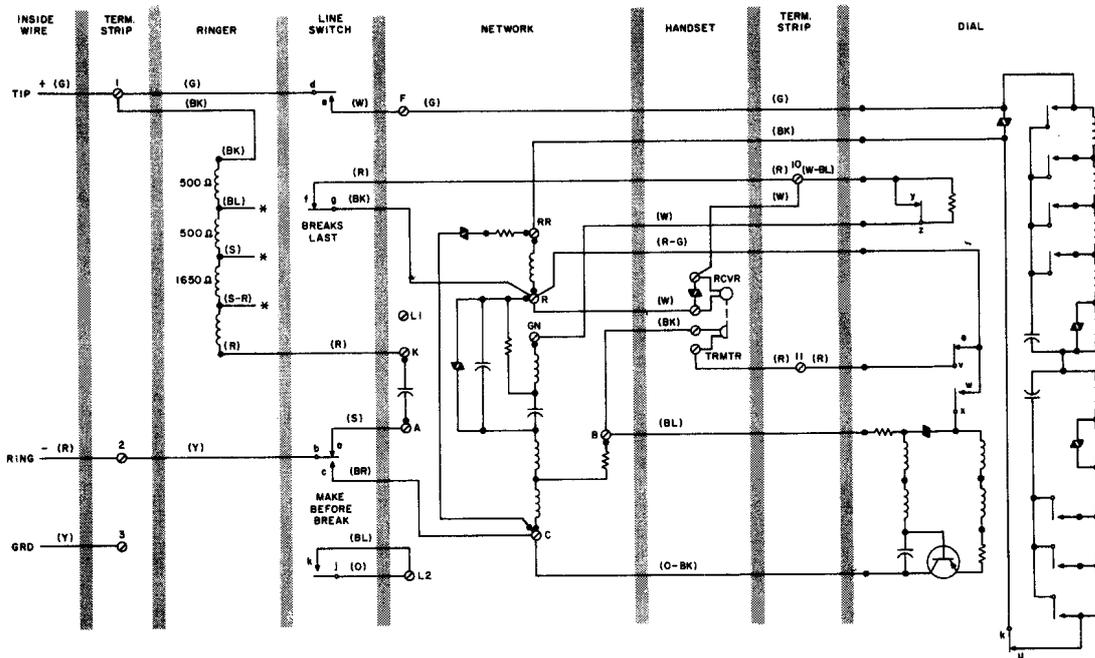
1. For all classes except identification ground insulate and store (BK) ringer lead.
2. For tip party with 1000Ω or 2650Ω identification ground remove, insulate, and store the (R) ringer lead at K of the network.

TABLE C  
 MODIFICATION FOR USE WITH 1A1 OR 1A2 KEY TELEPHONE SYSTEM LINE

WIRE OR LEAD		REMOVE FROM		CONNECT TO		INSULATE AND STORE
		TERM. STRIP	NET.	TERM. STRIP	NET.	
Line Switch	(S)		A			•
	(Y)	2			L2	
	(O)*		L2	2		
	(BR)		C	3		
	(BL)*		L2		C	
Place M1W Cord or Strap				2 ←	→ A	
P1A Ringer	(R)		K	R1	Ring lead using D-161488† connector	
	(BK)	1		B1		
Inside Wire	(G) Tip				1	
	(R) Ring				2	
	(BK) A					L2
	(Y) A1				3	
	R1			(R)	Ringer lead using D-161488† connector	
	B1			(BK)		

\* Connect these leads as shown in sets equipped with j-k line switch contacts, otherwise connect M1W cord from terminal 2 to C of network.

† See Note 2, Figure 3.



\* INSULATED AND STORED.

FIGURE 2. 2554\*\* (BA) 30M Telephone Set, Connections

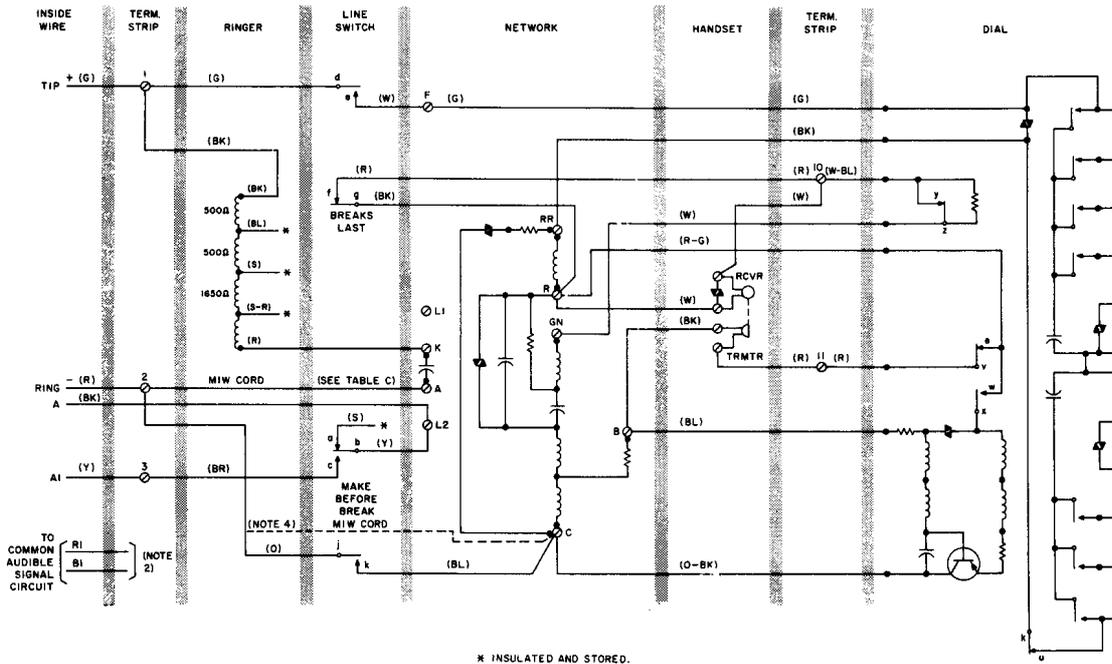


FIGURE 3. 2554\*\* (BA) 30M Telephone Set, Connections for 1A1 or 1A2 Key Telephone Systems