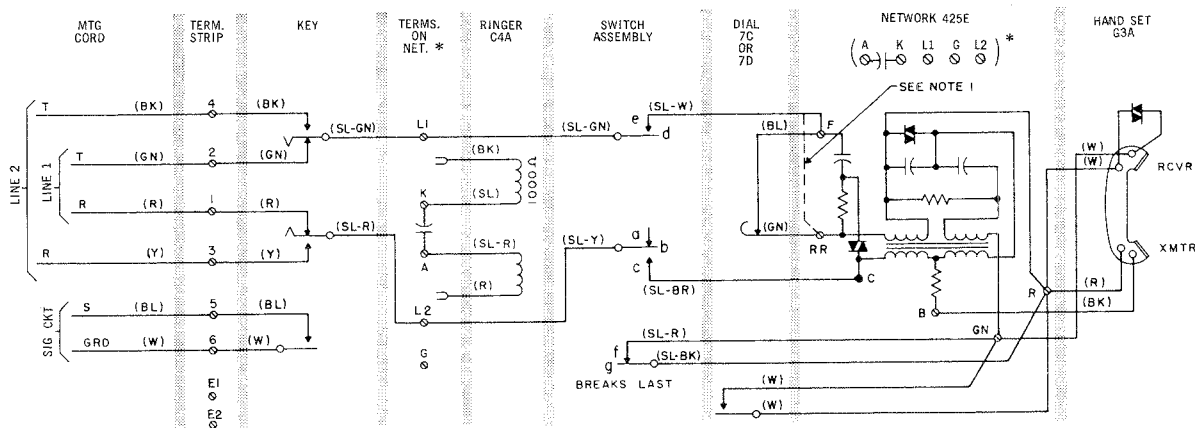




Note 1: SL-W switch lead is connected to F terminal in dial sets and to RR terminal in manual sets.

Note 2: Two-line pickup connections in Tables B and C provide for ringing on line 1. For ringing on line 2, connect R and BK ringer leads to terminals 3 and 4, respectively.

Note 3: A 7 or QBX1A buzzer may be substituted for the ringer as a common or private line audible signal. A 44B bracket is required with a 7-type buzzer.

Note 4: To silence ringer permanently, connect BK ringer lead to terminal K on network.

FIG. 2 — 510B, F TELEPHONE SET
(Two-line Pickup and Signalling)

TABLE B
510 B LINE AND RINGER CONNECTIONS
(EQUIPPED WITH 4-CONDUCTOR MOUNTING CORD)

Features (Ringer in Set Used as Line Ringer)						Corrections for Terminals Inside Set										External Connections for Mounting Cord								
Number of Lines Picked Up	Signaling	Turn Key Used to Cut Off			Mounting Cord Leads				Turn Key Leads		Ringer Leads (Notes 2 and 4)				Line 1		Line 2		Signal Circuit		Cutoff Circuit			
		Ext Sta or Ext Line Ringer	Ringer in Set	Auxiliary Receiver																				
1	•				L2	L1	5	6	L2	L1	L2	L1	L2	L1	K	A	R	GN			Y	BK		
1	•			•	L2	L1	5	6	L2	L1	1	2	K	A	R	GN					Y	BK		
1		•			L2	L1	3	4	L2	L1	L2	L1	L2	L1	K	A	R	GN					Y	BK
1		•	•		L2	L1	3	4	L2	L1	1	2	K	A	R	GN							Y	BK
1				•	L2	L1	3	4	GN	R	L2	L1	K	A	R	GN							Y	BK
2					1	2	3	4	L2	L1	1	2	K	A	R	GN	Y	BK						

TABLE C
510F LINE AND RINGER CONNECTIONS
(EQUIPPED WITH 6-CONDUCTOR MOUNTING CORD)

Features							Connections to Terminals Inside Set														External Connections for Mounting Cord											
Number of Lines Picked Up	Signaling	Ringer in Set Used as		Turn Key Used to Cut Off			Mounting Cord Leads						Turn Key Leads		Ringer Leads (Notes 2, 3, and 4)				Line 1		Line 2		Signal Circuit		Cutoff Circuit		Com or Pvt Line Ringer Circuit					
		Line Ringer	Com or Pvt Line Ringer	Ext Sta or Ext Line Ringer	Ringer in Set	Auxiliary Receiver																										
							R	GN	Y	BK	BL	W	SL-R	SL-GN	R	BK	SL	SL-R	Ring	Tip	Ring	Tip	S	GRD	Ring	Tip	R	B				
1	•	•		•			L2	L1	3	4	5	6	L2	L1	L2	L1	K	A	R	GN			BL	W	Y	BK						
1	•	•		•	•		L2	L1	3	4	5	6	L2	L1	1	2	K	A	R	GN			BL	W	Y	BK						
1	•	•				•	L2	L1	3	4	5	6	GN	R	L2	L1	K	A	R	GN			BL	W	Y	BK						
2	•	•					1	2	3	4	5	6	L2	L1	1	2	K	A	R	GN	Y	BK	BL	W								
2			•				1	2	3	4	E1	E2	L2	L1	E1	E2	A	A	R	GN	Y	BK					BL	W				

510B, F TELEPHONE SET (Cont)

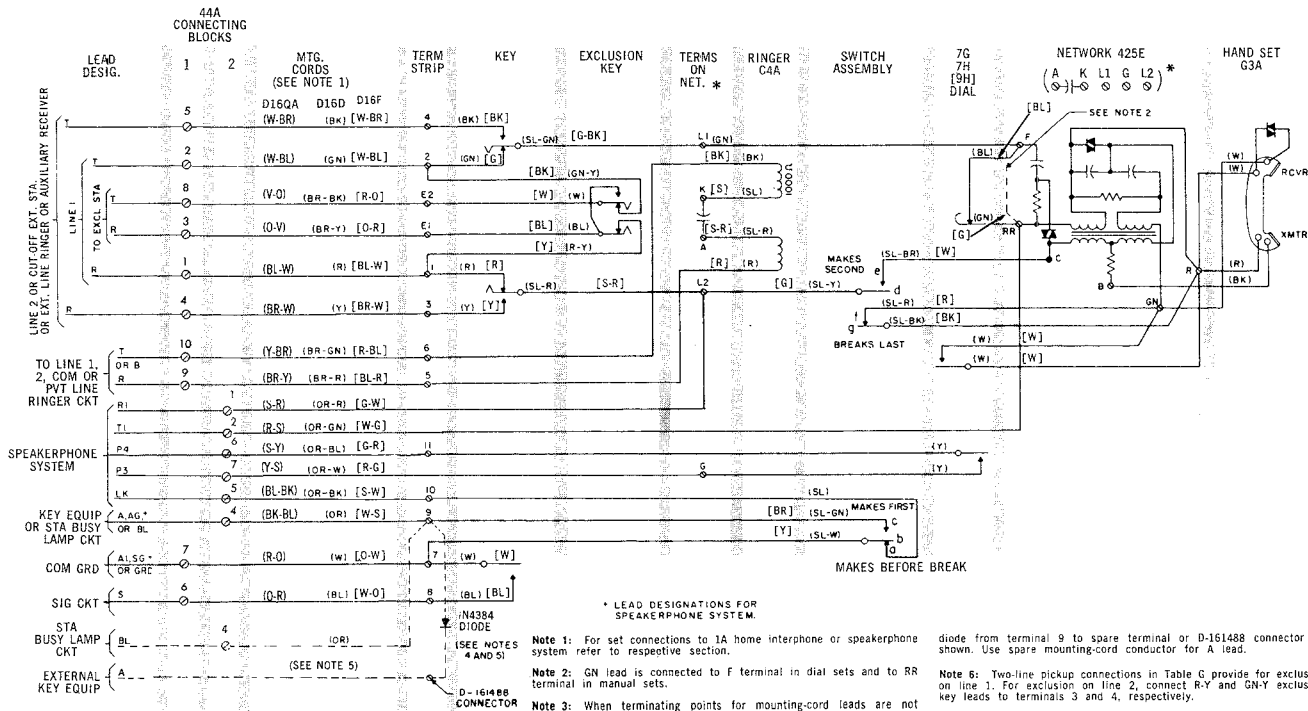


FIG. 3 — 511D TELEPHONE SET
(Two-line Pickup, Signaling, Exclusion, and Control Leads)

TABLE D
SPEAKERPHONE CONNECTIONS

Load Desig.	R1	T1	F6	E6	LK	A0	A1 or SG
Mtg. Cord D16D	OR-R	OR-GN	OR-W	OR-BL	OR-BK	OR	W
Mtg. Cord (D16QA)	S-R	R-S	Y-S	S-Y	EL-BK	BK- EL	R-O

TABLE E
511D LINE AND RINGER CONNECTIONS
(INTERNAL CONNECTIONS)

Features (Signaling Included With All Features)										Connections to Terminals Inside Set																											
Number of Lines Picked Up	Ringer in Set Used as		Turn Key Used to Cut Off			Exclusion Key Used to Cut Off		Mounting Cord Leads														Turn Key Leads	Exclusion Key Leads (Note 6)				Ringer Leads (Note 7)										
	Line Ringer	Com or Pvt Line Ringer	Ext Sta or Ext Line Ringer	Ringer in Set	Auxiliary Receiver	Ext Sta or Ext Line Ringer	Ringer in Set	D16QA Cord																													
								BL- W	W- BL	BR- W	W- BR	O-R	R-O	BR- Y	Y-BR	O-V	V-O	S-R	R-S	BL-BK	S-Y										Y-S	BK- BL					
								D16D Cord																													
								R	GN	Y	BK	BL	W	BR-R	BR-GN	BR-Y	BR-BK	OR-R	OR-GN	OR-BK	OR-BL										OR-W	OR	SL-R	SL-GN	R-Y	GN-Y	BL
1	•		•			•		L2	L1	3	4	8	7	5	6	E1	E2	L2	RR	10	11	G	9	L2	L1	L2	L1	E1	E2	5	6	K	A				
1	•		•			•		L2	L1	3	4	8	7	5	6	E1	E2	L2	RR	10	11	G	9	L2	L1	L2	L1	E1	E2	1	2	K	A				
1	•			•			•		L2	L1	3	4	8	7	5	6	E1	E2	L2	RR	10	11	G	9	L2	L1	L2	L1	E1	E2	3	4	K	A			
1	•				•		•		L2	L1	3	4	8	7	5	6	E1	E2	L2	RR	10	11	G	9	GN	R	L2	L1	E1	E2	5	6	K	A			
2	•					•		1	2	3	4	8	7	5	6	E1	E2	L2	RR	10	11	G	9	L2	L1	1	2	E1	E2	5	6	K	A				
2		•				•		1	2	3	4	8	7	5	6	E1	E2	L2	RR	10	11	G	9	L2	L1	1	2	E1	E2	5	6	A	A				
2		•					•	1	2	3	4	8	7	5	6	E1	E2	L2	RR	10	11	G	9	L2	L1	5	6	E1	E2	E1	E2	A	A				

TABLE F
511D LINE AND RINGER CONNECTIONS
(EXTERNAL CONNECTIONS)

44A Connecting Blocks Terminations	External Connections for Mounting Cord (Notes 1 and 3)															
	D16QA Cord															
	BL-W	W-BL	BR-W	W-BR	O-R	R-O	BR-Y	Y-BR	O-V	V-O	S-R	R-S	BL-BK	S-Y	Y-S	BK-BL
	D16D Cord															
	R	GN	Y	BK	BL	W	BR-K	BR-GN	BR-Y	BR-BK	O-R	O-GN	O-BK	O-BL	O-W	O
	Line 1		Line 2 or Cut-off Circuit		Signal Circuit		Ringer Circuit * *		Exclusion Circuit		Speakerphone					"A" Lead or B.L. *
	Ring	Tip	Ring	Tip	S	A1 or SG	R	T or B	Ring	Tip	RI	TI	LK	P4	P3	A or BL
BLOCK #1	1	2	4	5	6	7	9	10	8	8						
BLOCK #2											1	2	5	6	7	4

* See Notes 4 & 5

** See Note 8

511D TELEPHONE SET

TELEPHONE SETS
558, B, AND D TYPES
COMMON BATTERY — CONNECTIONS

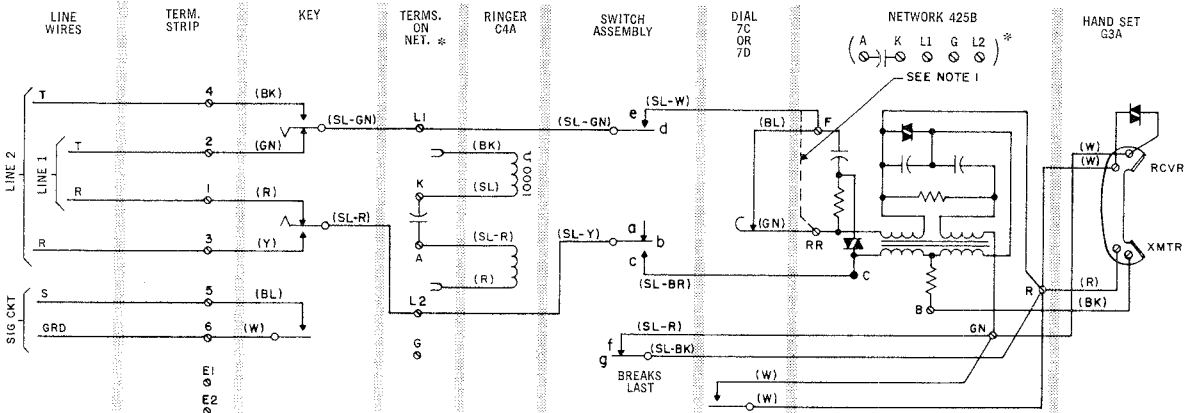


TABLE A
558B LINE AND RINGER CONNECTIONS

Features (Signaling Included With All Features)							Connections to Terminals Inside Set						Connections for Inside Wire in Set											
Number of Lines Picked Up	Ringer in Set Used as		Turn Key Used to Cut Off				Turn Key Leads		Ringer Leads (Notes 2, 3, and 4)				Line 1		Line 2		Signal Circuit		Cutoff Circuit		Common or Private Line Ringer Circuit			
	Line Ringer	Com or Pvt Line Ringer	Ext Sta or Ext Line Ringer	External Com or Pvt Line Ringer	Ringer in Set	Auxiliary Receiver																		
	SL-R	SL-GN	R	BK	SL	SL-R	Ring	Tip	Ring	Tip	S	GRD	Ring or R	Tip or B	R	B								
1	●		●					L2	L1	L2	L1	K	A	L2	L1			5	6	3	4			
1	●					●		L2	L1	3	4	K	A	L2	L1			5	6					
1	●		●			●		L2	L1	1	2	K	A	L2	L1			5	6	3	4			
1		●	●					L2	L1	E1	E2	A	A	L2	L1			5	6	3	4	E1	E2	
1		●				●		E1	E2	3	4	A	A	L2	L1			5	6			E1	E2	
1		●		●		●		E1	E2	1	2	A	A	L2	L1			5	6	3	4	E1	E2	
1	●						●	GN	R	L2	L1	K	A	L2	L1			5	6	3	4			
2	●							L2	L1	1	2	K	A	1	2	3	4	5	6					
2		●						L2	L1	E1	E2	A	A	1	2	3	4	5	6			E1	E2	

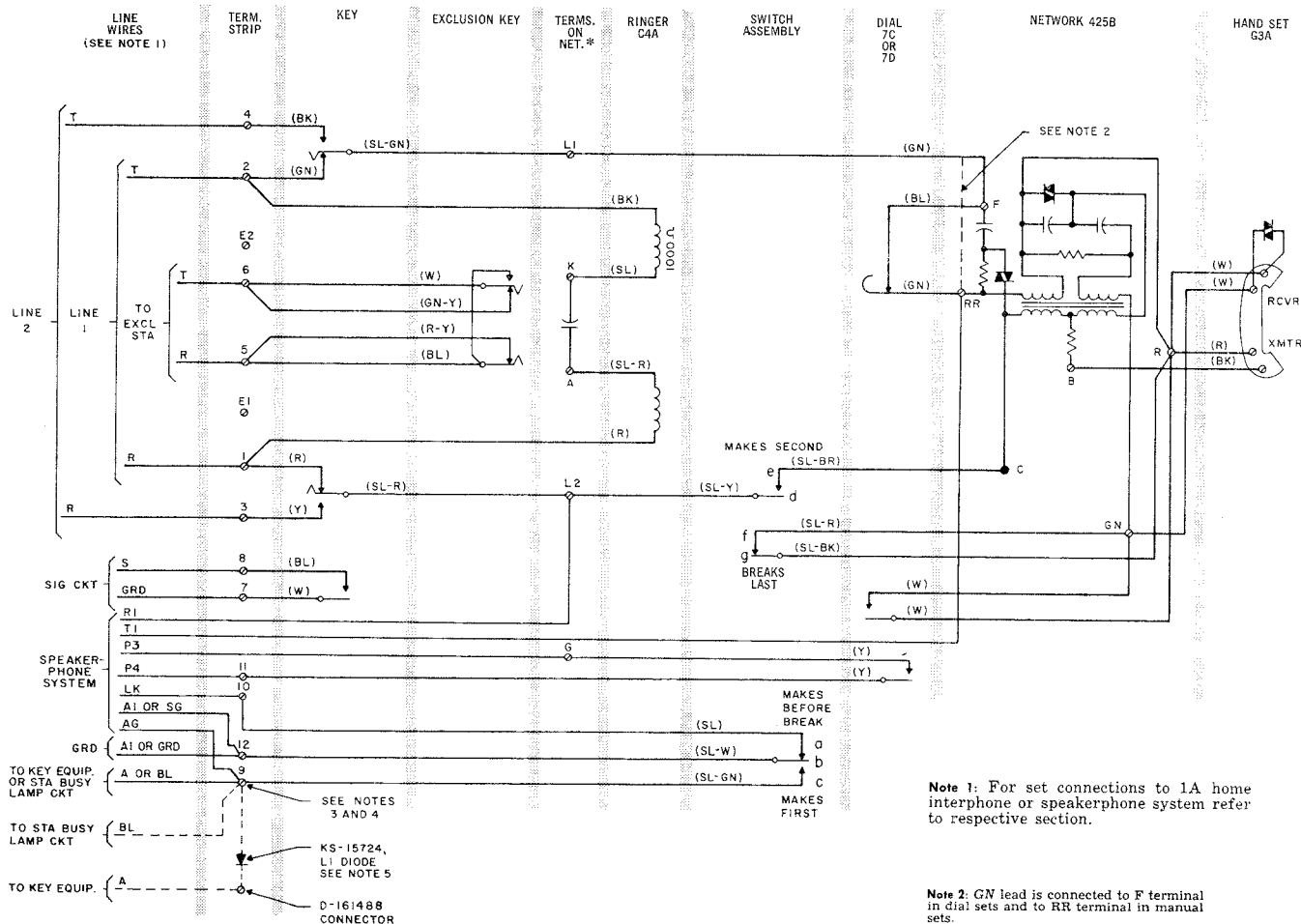
Note 1: SL-W switch lead is connected to F terminal in dial sets and to RR terminal in manual sets.

Note 2: Two-line pickup connections in Table A provide for ringing on line 1. For ringing on line 2, connect R and BK ringer leads to terminals 3 and 4, respectively.

Note 3: A 7-type buzzer on a 44B bracket may be substituted for the ringer as a common or private line audible signal.

Note 4: To silence ringer permanently connect BK ringer lead to terminal K on network.

FIG. 1 — 558B TELEPHONE SET
(Two-line Pickup and Signaling)



Note 1: For set connections to 1A home interphone or speakerphone system refer to respective section.

Note 2: GN lead is connected to F terminal in dial sets and to RR terminal in manual sets.

FIG. 2 — 558D TELEPHONE SET

(Two-line Pickup, Signaling, Exclusion, and Control Leads)

TABLE B
SPEAKERPHONE CONNECTIONS

Lead Desig	R1	T1	P3	P4	LK	AG	A1 or SG
Terms in Set	L2	RR	G	11	10	9	12

Note 3: Use A and A1 control leads on 1-line pickup features only.

Note 4: SL-W switch lead is factory-wired to terminal 9. Transfer this lead from terminal 9 to terminal 12, as required.

TABLE C
558D LINE AND RINGER CONNECTIONS
(INTERNAL CONNECTIONS)

Features (Signaling Included With All Features)										Connections to Terminals Inside Set									
Number of Lines Picked Up	Ringer in Set Used as		Turn Key Used to Cut Off				Exclusion Key Used to Cut Off		Turn Key Leads	Exclusion Key Leads (Note 6)					Ringer Leads (Notes 7, 8, and 9)				
	Line Ringer	Com or Pvt Line Ringer	Ext Sta or Ext Line Ringer	External Com or Pvt Line Ringer	Ringer in Set	Auxiliary Receiver	Ext Sta or Ext Line Ringer	Ringer in Set		SL-R	SL-GN	R-Y	GN-Y	BL	W	R	BK	SL	SL-R
1	•		•				•		L2	L1	L2	L1	5	6	L2	L1	K	A	
1	•				•		•		L2	L1	L2	L1	5	6	3	4	K	A	
1	•		•		•		•		L2	L1	L2	L1	5	6	1	2	K	A	
1		•	•				•		L2	L1	L2	L1	5	6	E1	E2	A	A	
1		•			•		•		E1	E2	L2	L1	5	6	3	4	A	A	
1		•		•	•		•		E1	E2	L2	L1	5	6	1	2	A	A	
1	•					•	•		GN	R	L2	L1	5	6	L2	L1	K	A	
2	•						•		L2	L1	1	2	5	6	1	2	K	A	
2		•					•		L2	L1	1	2	5	6	E1	E2	A	A	
2		•						•	L2	L1	E1	E2	5	6	5	6	A	A	

Note 5: Use dotted-line connections when A and A1 control leads and station busy lamp circuit are used together. Install KS-15724. List 1 diode from terminal 9 to spare terminal or D-161488 connector as shown.

Note 6: Two-line pickup connections in Table C provide for exclusion on line 1. For exclusion on line 2, connect R-Y and GN-Y exclusion key leads to terminal 3 and 4, respectively.

Note 7: Two-line pickup connections in Table C provide for ringing on line 1. For ringing on line 2 connect R and BK ringer leads to terminals 3 and 4, respectively.

Note 8: A 7-type buzzer on a 44B bracket may be substituted for the ringer as a common or private line audible signal.

Note 9: To silence ringer permanently, connect BK ringer lead to terminal K on network.

TABLE D
558D LINE AND RINGER CONNECTIONS
(INSIDE WIRE CONNECTIONS)

Features (Signaling Included With All Features)										Connections to Inside Wire in Set													
Number of Lines Picked Up	Ringer in Set Used as		Turn Key Used to Cut Off					Exclusion Key Used to Cut Off		Line 1		Line 2		Signal Circuit		Exclusion Circuit		Cutoff Circuit		Com or Pvt Line Ringer Circuit		Key Equip. or Sta Busy Lamp Ckt (Notes 3, 4, and 5)	
	Line Ringer	Com or Pvt Line Ringer	Ext Sta or Pvt Line Ringer	External Com or Pvt Line Ringer	Ringer in Set	Auxiliary Receiver	Ext Sta or Pvt Line Ringer	Ringer in Set		Ring	Tip	Ring	Tip	S	GRD	Ring	Tip	Ring or R	Tip or B	R	B	A or BL	A1 or GRD
1	•		•				•			L2	L1			8	7	5	6	3	4			9	12
1	•				•		•			L2	L1			8	7	5	6					9	12
1	•		•		•		•			L2	L1			8	7	5	6	3	4			9	12
1		•	•				•			L2	L1			8	7	5	6	3	4	E1	E2	9	12
1		•			•		•			L2	L1			8	7	5	6			E1	E2	9	12
1		•		•	•		•			L2	L1			8	7	5	6	3	4	E1	E2	9	12
1	•					•	•			L2	L1			8	7	5	6	3	4			9	12
2	•						•			1	2	3	4	8	7	5	6					9	12
2		•					•			1	2	3	4	8	7	5	6			E1	E2	9	12
2		•						•		1	2	3	4	8	7					E1	E2	9	12

558D TELEPHONE SET (Cont'd)