

SUBSCRIBER SETS — 685A

COMMON BATTERY — NETWORK TYPE — CONNECTIONS

1.00 INTRODUCTION

This section covers the combination of apparatus, circuit diagram, and connections for the 685A subscriber set when associated with hand telephone sets and coin collectors for common battery service.

2.00 GENERAL

This set may be connected for use in both dial and manual classes of service, including party-on-tip stations of 2-party dial service, when either 1000-ohm or 2650-ohm resistance to ground is required for message rate or tip party identification.

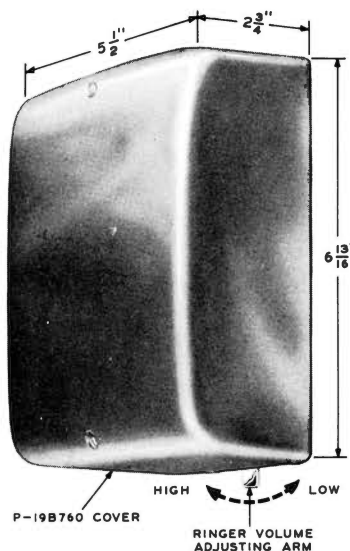


FIG. 1—685 TYPE

TABLE A
COMBINATION OF APPARATUS

Sub. Set Code	Components		Impedance of Ringing Bridge
	Ringer	Network	
685A	C4A	425B	High

3.00 CONNECTIONS WITH HAND TELEPHONE SETS

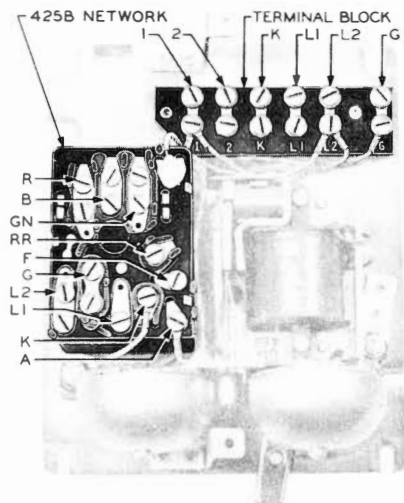


FIG. 2—685A

TABLE B—ASSOCIATED APPARATUS

Class of Service	Hand Telephone Sets	
	Hang-up Type	Desk Type
Individual Lines		
2-party		
4-party Semiselective	201A, B, C, D	202A, B, C, D
Multiparty Divided Code	211A, B, C, D, J, L	203A, B, C, D, E, F
Regular PBX Stations	212A, B, C, L	215A, B, C, D
750A and 755A Keyless Stations	213A, B, C, E	

TABLE C—CONNECTIONS

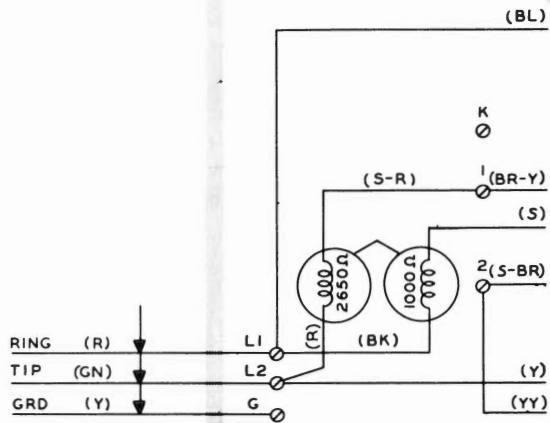
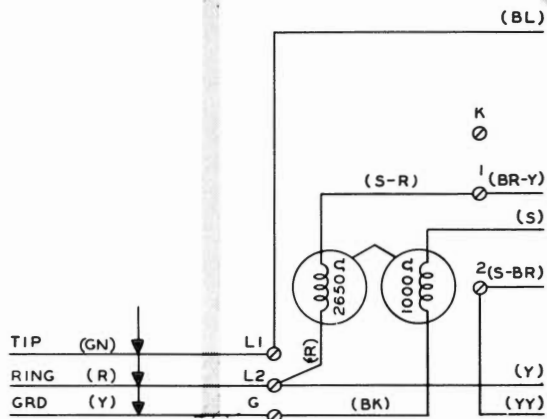
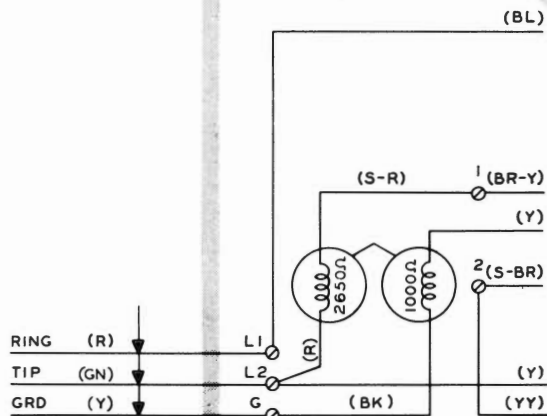
Wire or Lead		Individual or Bridged		Ring Party Position 1, 3, 5, 7, or 9		Tip Party Position 2, 4, 6, 8, or 10	
		Terminal	425B Network	Terminal	425B Network	Terminal	425B Network
Inside Wire from Protector or Line	R	L1	—	L2	—	L1	—
	GN	L2	—	L1	—	L2	—
	Y	G	—	G	—	G	—
Ringer Lead	S	—	K	—	K	—	K
	BK	L1	—	G	—	G	—
	R	L2	—	L2	—	L2	—
	SL-R	1	—	1	—	1	—
Straps Network to Terminal Block	SL-BR	2	C*	2	C*	2	C*
	BL	L1	RR	L1	RR	L1	RR
	BR-Y	1	A	1	A	1	A
Mounting Cord or Local Wiring	GN	—	GN	—	GN	—	GN
	R	—	R	—	R	—	R
	BK	—	B	—	B	—	B
	Y	L2	—	L2	—	L2	—
	YY or R	2	—	2	—	2	—
Permanently Silenced Ringer							
Ringer Lead	S	—	K	—	K	—	K
	BK	K	—	K	—	K	—
	R	K	—	K	—	K	—
	SL-R	1	—	1	—	1	—

* Slate-brown strap is soldered to C on network.

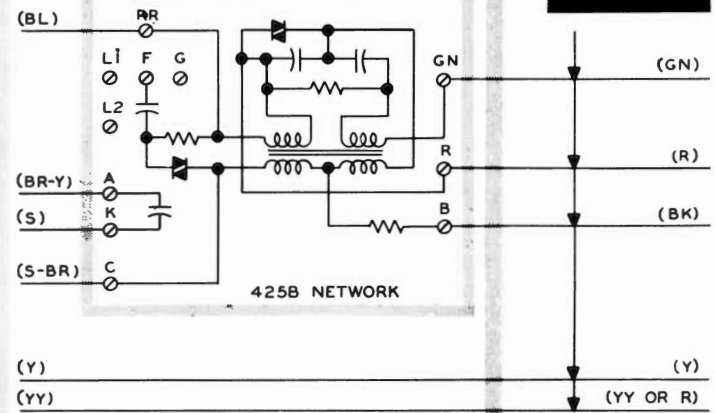
4.00 CIRCUIT DIAGRAM

INSIDE WIRE
FROM PROTECTOR
OR LINE

RINGING CIRCUIT

INDIVIDUAL OR
BRIDGED STATIONRING PARTY POSITIONS
1-3-5-7 OR 9TIP PARTY POSITIONS
2-4-6-8 OR 10

TALKING CIRCUIT

MTG CORD OR
LOCAL WIRING

5.00 CONNECTIONS WITH HAND TELEPHONE SETS—WITH MESSAGE RATE OR TIP PARTY IDENTIFICATION

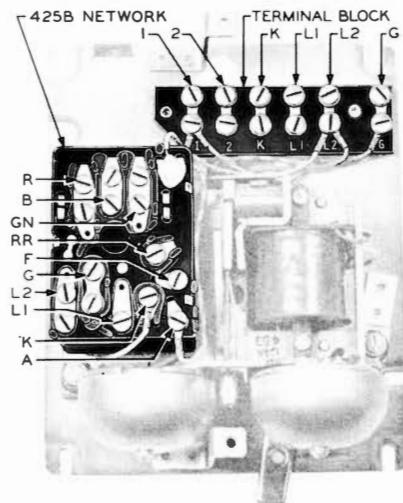


FIG. 3—685A

TABLE D—ASSOCIATED APPARATUS

Class of Service	Hand Telephone Sets	
	Hang-up Type	Desk Type
2-party—Party-on-Tip MR —All offices ZR —All offices AMA—X-bar AMA—SxS AT —SxS	212A, B, C, L	203A,B,C,D,E,F

TABLE E—CONNECTIONS

Wire or Lead		Tip Party—Position 2 Only			
		MR —All offices ZR —All offices AMA—Standard X-bar		AT —SxS AMA—SxS AMA—Modified X-bar	
		Terminal	425B Network	Terminal	425B Network
Inside Wire from Protector or Line	R	L1	—	L1	—
	GN	L2	—	L2	—
	Y	G	—	G	—
Ringer Lead	SL	—	B	—	K
	BK	G	—	—	B
	R	—	K	—	B
	SL-R	—	B	G	—
Straps—Network to Terminal Block	SL-BR	2	C*	2	C*
	BL	K	RR	K	RR
	BR-Y	1	A	1	A
Mounting Cord or Local Wiring	GN	—	G	—	G
	R	—	R	—	R
	BK	B	—	B	—
	Y	L2	—	L2	—
	BL or GN	K	—	K	—
	YY or Y	L1	—	L1	—
	RR or R	1	—	1	—
	W or BK	2	—	2	—
Permanently Silenced Ringer					
Ringer Lead	SL	—	B	—	L1
	BK	G	—	—	B
	R	—	L1	—	B
	SL-R	—	B	G	—

* Slate-brown strap is soldered to C on network.

6.00 CIRCUIT DIAGRAM—WITH MESSAGE RATE OR TIP PARTY IDENTIFICATION

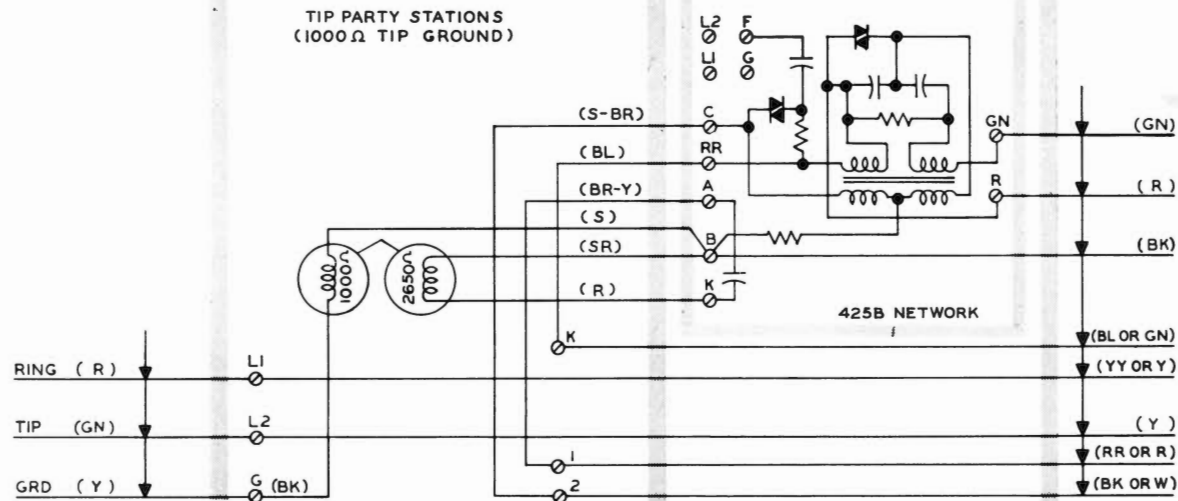
INSIDE WIRE
FROM PROTECTOR
OR LINE

RINGING CIRCUIT

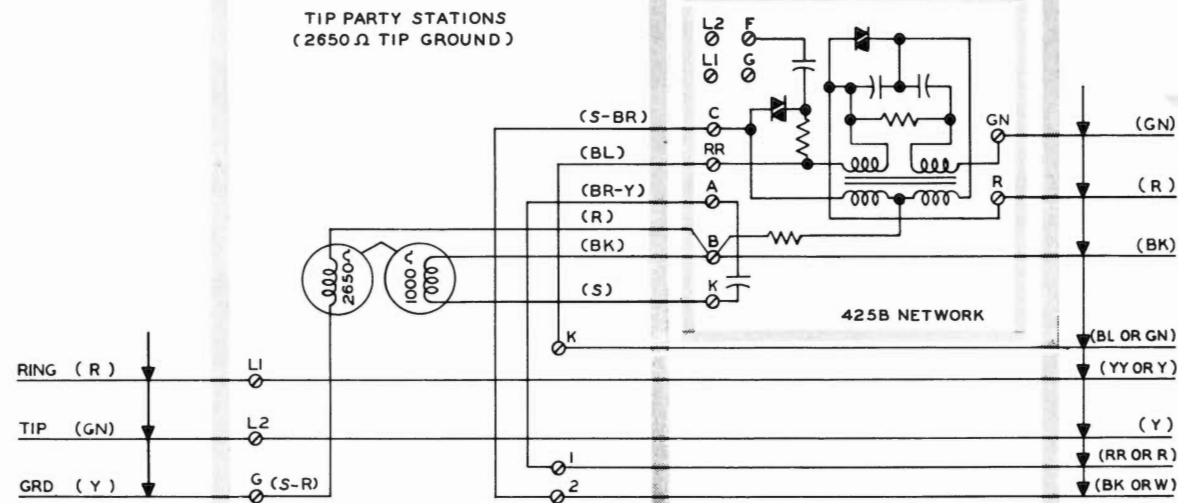
TIP PARTY STATIONS
(1000Ω TIP GROUND)

TALKING CIRCUIT

MTG CORD OR LOCAL WIRING



TIP PARTY STATIONS
(2650Ω TIP GROUND)



(GN)
(R)
(BK)
(BL OR GN)
(YY OR Y)
(Y)
(RR OR R)
(BK OR W)

7.00 685A CONNECTIONS FOR COMBINATION WITH COIN COLLECTORS

TABLE F—CONNECTIONS

Type of Service	Subscriber Set Connections (Wire or Lead)														
Prepay Manual and Dial Type Coin Collectors	T E R M I N A L	L O C A T I O N	Ringer Lead				Straps—Network to Terminal Block			Local Wire from Coin Collector					
			SL	BK	R	SL-R	SL-BR	BL	BR-Y	GN	R	BK	Y	R	GN
Handset Types 191CN, DN, GN, HN 195CN, DN, GN, HN 196CN, DN, GN, HN 197CN, DN, GN, HN 220C, D, G, H 221C, D, G, H 222C, D, G, H 223C, D, G, H	T E R M I N A L	N E T W O R K	K	—	—	—	C	S E E N O T E	A	GN	R	B	RR	—	—
		B L O C K	—	L1	L2	1	L2		1	—	—	—	—	L1	L2

Type of Service	Subscriber Set Connections (Wire or Lead)																	
Postpay Manual and Dial Type Coin Collectors	T E R M I N A L	L O C A T I O N	Inside Wire from Line or Protector			Ringer Lead				Straps—Network to Terminal Block			Local Wire from Coin Collector					
			R	GN	Y	SL	BK	R	SL-R	SL-BR	BL	BR-Y	GN	R	BK	Y	R	GN
Handset Types 200C, D 210G, H 212G, H	T E R M I N A L	N E T W O R K	—	—	—	K	—	—	—	C	S E E N O T E	A	GN	R	B	—	RR	—
		B L O C K	L1	L2	G	—	L1	L2	1	L2		1	—	—	—	L1	—	—

Note: Remove BL strap between RR of network and L1 of terminal block.

7.01 All connections are shown for individual line, bridged ringing installations. If other ringing arrangements are required, refer to 3.00 or 4.00 of this section for appropriate ringer connections.

7.02 CIRCUIT DIAGRAM—COIN

INSIDE WIRE
FROM PROTECTOR
OR LINE

RINGING CIRCUIT

TALKING CIRCUIT

LOCAL
WIRING

