

## SUBSCRIBER SETS

### RINGER AND RELAY TYPES — NONPOLARIZED RINGING

392L; 531A; 534DE, DF; 584DE, DF; 592A; 687A; 684BT

### COMMON AND LOCAL BATTERY — CONNECTIONS

#### 1.00 INTRODUCTION

This section covers the combination of apparatus and connections of the 531A, 534DE and DF, 584DE and DF, and 687A subscriber sets used as extension ringers, and 392L and 592A subscriber sets used as loud ringing bells for common battery and local battery lines. This section also covers the 684BT subscriber set used to control auxiliary signals.

#### 2.00 GENERAL

2.01 These subscriber sets may be used as ringers or extension ringers on the following classes of service:

- Individual lines.
- 2-party selective flat and message rate.
- 4-party semiselective.
- Nonselective party lines.
- Divided code ringing.
- Regular PBX stations.

2.02 When controlled by a 531C subscriber set, these subscriber sets may be used on the following services:

- 4-party selective.
- 8-party semiselective.

**Note:** Connection of the 531C subscriber set is covered in the C Section covering connections of polarized ringers.

2.03 Where dial tip party identification is required, these subscriber sets should be used only as extension ringers.

2.04 The maximum number of ringers which may be connected per line is covered in the C Section covering ringer limitations.

TABLE A—COMBINATION OF APPARATUS

Sub. Set Code	Components		Impedance of Ringing Bridge
	Ringer	Capacitor	
392L	—	21BF, 149D, or 449D	High
531A	B1AL	198B	
534DE	68J	1149A or 1149B*	
534DF	68A	1149A*	Low
584DE	78JA or B1AL	198B	High
584DF	78A	1149A	Low
592A	—	198A	High
687A	C4A	198C	
684BT	85S Relay in Place of Ringer	149B	—

\*Capacitor furnished only when specified.

**Note:** Avoid use of low impedance ringers in community dial offices or at stations on a PBX having an ac bridge in the trunk or cord circuit.



FIG. 1—392L

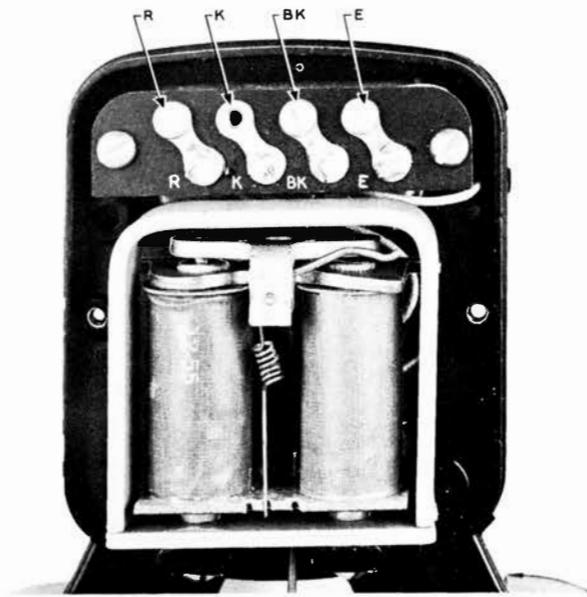


FIG. 2—592A

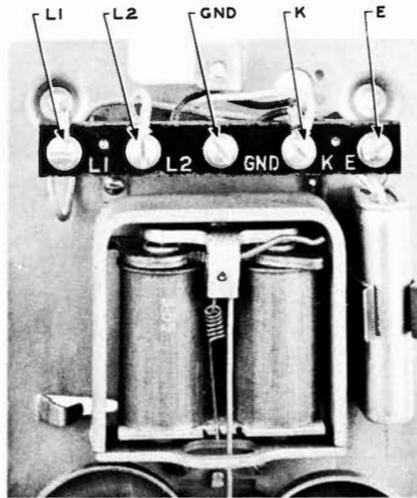


FIG. 3—531A

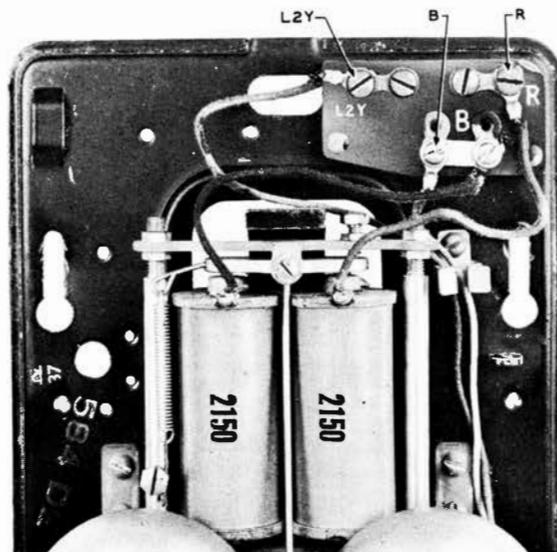
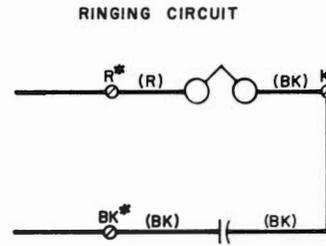


FIG. 4—584DE

PARTY	INDIVIDUAL, COIN, OR OTHER BRIDGED STATIONS	RING STATIONS	TIP STATIONS
POSITION		1, 3, 5, 7, 9	2, 4, 6, 8, 10
LEAD	RING (R)	RING (R)	GRD (Y)
INSIDE WIRE FROM PROTECTOR OR LINE			
LEAD	(GN) TIP	(Y) GRD	(GN) TIP



\* THE 392L SUBSCRIBER SET HAS NO TERMINAL DESIGNATIONS. THE RED RINGER LEAD INDICATES THE "R" TERMINAL.

FIG. 5—392L AND 592A SUBSCRIBER SET CONNECTIONS

PARTY	INDIVIDUAL, COIN, OR OTHER BRIDGED STATIONS	RING STATIONS	TIP STATIONS
POSITION		1, 3, 5, 7, 9	2, 4, 6, 8, 10
LEAD	RING (R)	RING (R)	GRD (Y)
INSIDE WIRE FROM PROTECTOR OR LINE			
LEAD	(GN) TIP	(Y) GRD	(GN) TIP

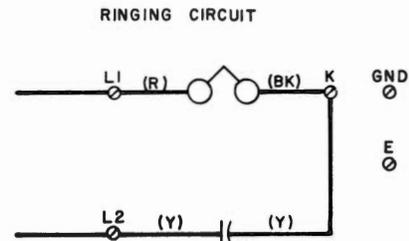


FIG. 6—531A SUBSCRIBER SET CONNECTIONS

PARTY	INDIVIDUAL, COIN, OR OTHER BRIDGED STATIONS	RING STATIONS	TIP STATIONS
POSITION		1, 3, 5, 7, 9	2, 4, 6, 8, 10
LEAD	RING (R)	RING (R)	GRD (Y)
INSIDE WIRE FROM PROTECTOR OR LINE			
LEAD	(GN) TIP	(Y) GRD	(GN) TIP

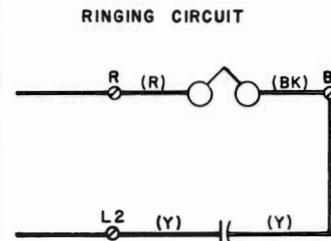


FIG. 7—584DE AND DF AND 534DE AND DF SUBSCRIBER SET CONNECTIONS

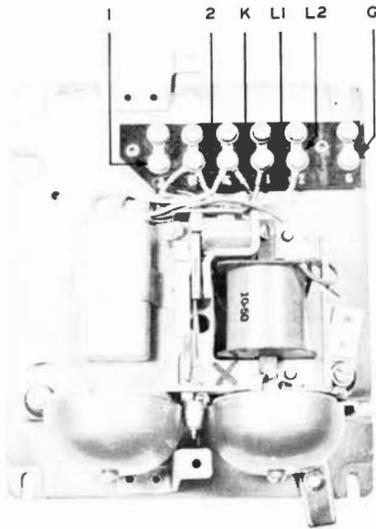


FIG. 8—687A

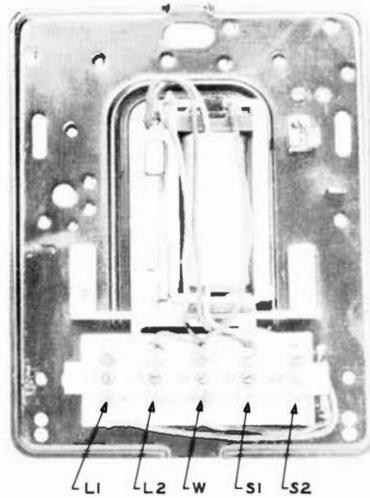


FIG. 9—684BT

PARTY	INDIVIDUAL, COIN, OR OTHER BRIDGED STATIONS	RING STATIONS	TIP STATIONS
POSITION		1, 3, 5, 7, 9	2, 4, 6, 8, 10
LEAD	RING (R)	RING (R)	TIP (GN)
INSIDE WIRE FROM PROTECTOR OR LINE			
LEAD	(GN) TIP	(Y) GRD	(Y) GRD

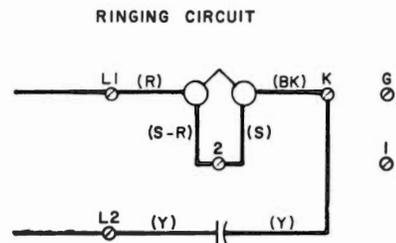


FIG. 10—687A SUBSCRIBER SET CONNECTIONS

PARTY	INDIVIDUAL, COIN, OR OTHER BRIDGED STATIONS	RING STATIONS	TIP STATIONS
POSITION		1, 3, 5, 7, 9	2, 4, 6, 8, 10
LEAD	RING (R)	RING (R)	TIP (GN)
INSIDE WIRE FROM PROTECTOR OR LINE			
LEAD	(GN) TIP	(Y) GRD	(Y) GRD

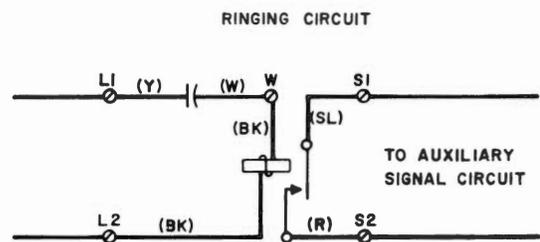


FIG. 11—684BT SUBSCRIBER SET CONNECTIONS