

## TELEPHONE SETS — 565GK CONNECTIONS

### 1. GENERAL

**1.01** The 6 button 565GK telephone is intended for use in the 1A1, 1A2 and 6A key telephone systems (SD-69520-01); it is not equipped to provide the line hold feature. The set may be used in the 1A key telephone system but internal connections must be changed.

This set is also used in:

- Group Alerting System (SD-69385-01).
- 8A Telephone Answering System SD-95293-01 .
- 100A Telephone Answering System.
- 756-type P. B. X.
- 3-type Speakerphone System.

**1.02** This section is reissued to:

- Revise Tables A, B, and E.
- Revise Fig. 1, 2, and 3 and delete Fig. 4.
- Combine information from Table H with Table G and delete Table H.
- Show current and Manufacture Discontinued (MD) codes.

Since this reissue covers a general revision, arrows ordinarily used to indicate changes have been omitted.

**1.03** These sets are for use in place of the 565GB-type telephone sets which are rated (MD). For use in Group Alerting System, refer to SD-69385-01.

**1.04** These sets are available in the following colors: (Refer to Section 500-120-100 for promoted and nonpromoted colors.)

|        |       |             |       |
|--------|-------|-------------|-------|
| Black  | (-3)  | Rose Pink   | (-59) |
| Green  | (-51) | Light Beige | (-60) |
| Yellow | (-56) | Light Gray  | (-61) |
| White  | (-58) | Aqua Blue   | (-62) |
|        |       | Turquoise   | (-64) |

**1.05** A 3A speakerphone system can be used with the 565GK telephone set. If speakerphone control unit is located near the telephone set, the mounting cord conductors can be extended to the control unit by using a 148B or 149A adapter. If control unit is located at the key equipment, extend leads through an A25B connector cable.

**1.06** Cord tip insulators on the 148B adapter must be removed to terminate conductors.



*Do not pull insulators off with long-nose pliers. Cut insulators off with electrician scissors or diagonal pliers to prevent breaking conductors or stripping off cord tips.*

### 2. OPTIONAL EQUIPMENT

**2.01** A P-25E962 auxiliary terminal strip is available for auxiliary services such as buzzers, lamps, etc. It must be ordered separately. See appropriate section for installation of terminal strip.

**2.02** A D-179935 Kit of Parts can be installed in the 565GK set when the exclusion feature is required. It must be ordered separately. For installation information, see appropriate installation section.

## SECTION 502-525-409

**2.03** The 565GK telephone set is factory wired for use with 1A1 or 1A2 key telephone systems. For 1A key telephone systems make internal wiring changes as shown in Table A and Fig. 2.

**2.04** The red and black ringer leads are factory wired to terminals RR and RT. The ringer can be connected with several options.

### 3. CONNECTION INDEX

Fig. 1 — 565GK Telephone Set, Connections

Fig. 2 — Set Wired for 1A Key Telephone System

Fig. 3 — Buzzer Connections

Table A — 1A, 1A1, and 1A2 Conversion

Table B — Pickup — Signal Key Conversion

Table C — Ringer or Buzzer Connections

Table D — Ringer or Buzzer Cutoff by Exclusion Key

Table E — Connections for Line Exclusion Key

Table F — Procedure for Disconnecting Speakerphone Features

Table G — Conductor Assignment Using 66E-Type Connecting Block or A25B Connector Cable

1.03 A 5A speakerphone system can be used with the 565GK telephone set. If speakerphone control unit is located near the telephone set, the mounting cord conductors can be extended to the control unit by using a 148B or 149A adapter. If control unit is located at the key equipment, extend leads through an A25B connector cable.

1.06 Cord tip location on the 148B adapter must be removed to terminate conductors.

Do not pull conductors off with long-nose pliers. Cut conductors off with electrician's scissors or diagonal pliers to prevent stripping conductors or stripping off cord tape.



#### 2. OPTIONAL EQUIPMENT

2.01 A P-655922 auxiliary terminal strip is available for auxiliary services such as buzzer, lamp, etc. It must be ordered separately. See appropriate section for installation to terminal strip.

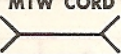
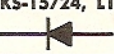
2.02 A D-17002 KE of Parts can be installed in the 565GK set when the extension feature is required. It must be ordered separately. For installation information see appropriate installation section.

\* Show current and Manufacturer Discontinued (MID) codes.

Place this release covers a general revision; arrows ordinarily used to indicate changes have been omitted.

1.05 These sets are for use in place of the 565B-type telephone sets which are listed (MID). For use in Group Alerting System, refer to 502-63885-01.

**TABLE A**  
**1A, 1A1, AND 1A2 CONVERSION**

| STA<br>BSY LP<br>CKT | KEY<br>TEL<br>SYS | SWITCH HOOK<br>LEADS |               | MTG<br>CORD<br><br>V-S | M1W CORD<br> | DIODE<br>KS-15724, L1<br> |
|----------------------|-------------------|----------------------|---------------|------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
|                      |                   | (Y)<br>[S-W]         | (BR)<br>[S-G] |                        |                                                                                                 |                                                                                                              |
| No                   | 1A                | SG                   | SG            | L2                     |                                                                                                 |                                                                                                              |
|                      | 1A1 or 1A2        | 1B                   | M             | M                      |                                                                                                 |                                                                                                              |
| Yes                  | 1A                | SG                   | L2            | L2                     |                                                                                                 |                                                                                                              |
|                      | 1A1 or 1A2        | 1B                   | L2            | M                      | G to M                                                                                          | G to L2                                                                                                      |

( ) Indicates current manufacture code

[ ] Indicates (MD) code.

**TABLE B**  
**PICKUP-SIGNAL KEY CONVERSION**

| KEY<br>TEL<br>SET | CONVERTIBLE<br>KEY<br>OPTIONS* | KEY LEADS |            |       |
|-------------------|--------------------------------|-----------|------------|-------|
|                   |                                | BR        | (Y) [Y-BR] | BR-BK |
| 565GK             | PPPPPP                         | M         | M          | M     |
|                   | PPPPPS                         | M         | M          | SG    |
|                   | PPPPSS                         | M         | SG         | SG    |
|                   | PPSSSS                         | SG        | SG         | SG    |

\* See Note 4 and 5, Fig. 1

( ) Indicates current manufacture code

[ ] Indicates (MD) code

**TABLE C**  
**RINGER OR BUZZER CONNECTIONS**

| OPTION                                                                 |                      | LEADS  |    |   |     |        |    |
|------------------------------------------------------------------------|----------------------|--------|----|---|-----|--------|----|
|                                                                        |                      | RINGER |    |   |     | BUZZER |    |
|                                                                        |                      | R      | BK | S | S-R | R      | BK |
| Bridged ringer<br>on any line                                          |                      | R*     | T* | K | A   |        |    |
| Common or<br>private<br>line ringer<br>or buzzer<br>See Note 2, Fig. 1 | With<br>capacitor    | RR†    | RT | K | A   |        |    |
|                                                                        | Without<br>capacitor | RR†    | RT | A | A   | RR     | RT |
| Ringer permanently<br>silenced                                         |                      | A      | K  | K | A   |        |    |

\* Terminal of line involved.

† RR terminal on terminal strip.

TABLE D

## RINGER OR BUZZER CUTOFF BY EXCLUSION KEY

| CUTOFF                                  |                   | LEADS  |    |   |     |        |    |               |      |     |     |
|-----------------------------------------|-------------------|--------|----|---|-----|--------|----|---------------|------|-----|-----|
|                                         |                   | RINGER |    |   |     | BUZZER |    | EXCLUSION KEY |      |     |     |
|                                         |                   | R      | BK | S | S-R | R      | BK | BL-W          | W-BL | O-W | W-O |
| Bridged ringer on any line              |                   | ER     | ET | K | A   |        |    | R*            | T*   | EB  | EH  |
| Common or private line ringer or buzzer | With capacitor    | ER     | ET | K | A   |        |    | RR†           | RT   | EB  | EH  |
|                                         | Without capacitor | ER     | ET | A | A   | ER     | ET | RR†           | RT   | EB  | EH  |

\* Terminal of line involved.

† RR terminal on terminal strip.

TABLE E

## CONNECTIONS FOR LINE EXCLUSION KEY

| EXCLUSION   | KEY TEL SYS | EXCLUSION KEY LEADS |      |     |     |      |      |     |     |
|-------------|-------------|---------------------|------|-----|-----|------|------|-----|-----|
|             |             | BL-W                | W-BL | O-W | W-O | V-BL | BL-V | V-O | O-V |
| On any line | 1A          | R*                  | T*   | EB  | EH  | ET   | ER   | EH  | EB  |
|             | 1A1 or 1A2  | R*                  | T*   | EB  | H*  | ET   | ER   | EH  | EB  |

\* Terminal of line involved.

TABLE F

## PROCEDURE FOR DISCONNECTING SPEAKERPHONE FEATURES (NOTE 6, FIG. 1)

| LEAD DESIG | CORD COLOR   |  | REMOVE FROM |                |
|------------|--------------|--|-------------|----------------|
|            | SPEAKERPHONE |  | NETWORK     | TERMINAL STRIP |
| T1         | V-G          |  | RR          |                |
| R1         | G-V          |  |             | N              |
| P3         | V-BR         |  |             | 8              |
| P4         | BR-V         |  |             | 7              |
| AG         | V-S          |  |             | M              |
| LK         | S-V          |  | L1          |                |

TABLE G

## CONDUCTOR ASSIGNMENTS USING 66E-TYPE CONNECTOR BLOCK OR A25B CONNECTOR CABLE

| LEAD<br>DESIG | TEL SET<br>TERM. | MTG CORD OR<br>A25B CONN CABLE |                    | PLUG OR<br>CONN | 66E-TYPE<br>CONN BLOCK |              |
|---------------|------------------|--------------------------------|--------------------|-----------------|------------------------|--------------|
|               |                  | PAIR<br>NO.                    | CONDUCTOR<br>COLOR | PIN<br>NO.      | CLIP<br>TERM.<br>NO.   | BLOCK<br>NO. |
| T             | 1T               | 1                              | W-BL               | 26              | 1                      | 1            |
| R             | 1R               |                                | BL-W               | 1               | 2                      |              |
| A             | 1H               |                                | W-O                | 27              | 3                      |              |
| A1 or B*      | 1B               | 2                              | O-W                | 2               | 4                      |              |
| LG            | LG               |                                | W-G                | 28              | 5                      |              |
| L1            | L1               | 3                              | G-W                | 3               | 6                      |              |
| T             | 2T               |                                | W-BR               | 29              | 7                      |              |
| R             | 2R               | 4                              | BR-W               | 4               | 8                      |              |
| A             | 2H               |                                | W-S                | 30              | 9                      |              |
| Spare or B*   | 1                | 5                              | S-W                | 5               | 10                     |              |
| LG            | LG               | 6                              | R-BL               | 31              | 11                     | 2            |
| L2            | L2               |                                | BL-R               | 6               | 12                     |              |
| T             | 3T               | 7                              | R-O                | 32              | 13                     |              |
| R             | 3R               |                                | O-R                | 7               | 14                     |              |
| A             | 3H               | 8                              | R-G                | 33              | 15                     |              |
| Spare or B*   | 2                |                                | G-R                | 8               | 16                     |              |
| LG            | LG               | 9                              | R-BR               | 34              | 17                     |              |
| L3            | L3               |                                | BR-R               | 9               | 18                     |              |
| T             | 4T               | 10                             | R-S                | 35              | 19                     |              |
| R             | 4R               |                                | S-R                | 10              | 20                     |              |
| A,S, or S1    | 4H               | 11                             | BK-BL              | 36              | 21                     | 3            |
| Spare or B*   | 5                |                                | BL-BK              | 11              | 22                     |              |
| LG            | LG               | 12                             | BK-O               | 37              | 23                     |              |
| L4            | L4               |                                | O-BK               | 12              | 24                     |              |
| T             | 5T               | 13                             | BK-G               | 38              | 25                     |              |
| R             | 5R               |                                | G-BK               | 13              | 26                     |              |
| A,S, or S1    | 5H               | 14                             | BK-BR              | 39              | 27                     |              |
| Spare or B*   | 6                |                                | BR-BK              | 14              | 28                     |              |
| LG            | LG               | 15                             | BK-S               | 40              | 29                     |              |
| L5            | L5               |                                | S-BK               | 15              | 30                     |              |
| T             | 6T               | 16                             | Y-BL               | 41              | 31                     | 4            |
| R             | 6R               |                                | BL-Y               | 16              | 32                     |              |
| A,S, or S1    | 6H               | 17                             | Y-O                | 42              | 33                     |              |
| Spare or B*   | 9                |                                | O-Y                | 17              | 34                     |              |
| LG            | LG               | 18                             | Y-G                | 43              | 35                     |              |
| L6            | L6               |                                | G-Y                | 18              | 36                     |              |
| BL            | L2 on Net.       | 19                             | Y-BR               | 44              | 37                     |              |
| G or SG       | SG               |                                | BR-Y               | 19              | 38                     |              |
| B1            | RT               | 20                             | Y-S                | 45              | 39                     |              |
| R1            | RR               |                                | S-Y                | 20              | 40                     |              |
| T             | ET               | 21                             | V-BL               | 46              | 41                     | 5            |
| R             | ER               |                                | BL-V               | 21              | 42                     |              |
| A             | EH               | 22                             | V-O                | 47              | 43                     |              |
|               | EB               |                                | O-V                | 22              | 44                     |              |
| T1 †          | RR on Net.       | 23                             | V-G                | 48              | 45                     |              |
| R1 †          | N                |                                | G-V                | 23              | 46                     |              |
| P3 †          | 8                | 24                             | V-BR               | 49              | 47                     |              |
| P4 †          | 7                |                                | BR-V               | 24              | 48                     |              |
| AG †          | M                | 25                             | V-S                | 50              | 49                     |              |
| LK †          | L1 on Net.       |                                | S-V                | 25              | 50                     |              |

\*When set is used in 1A key telephone system, these balance leads must not be used for other purposes.

†Speakerphone leads.

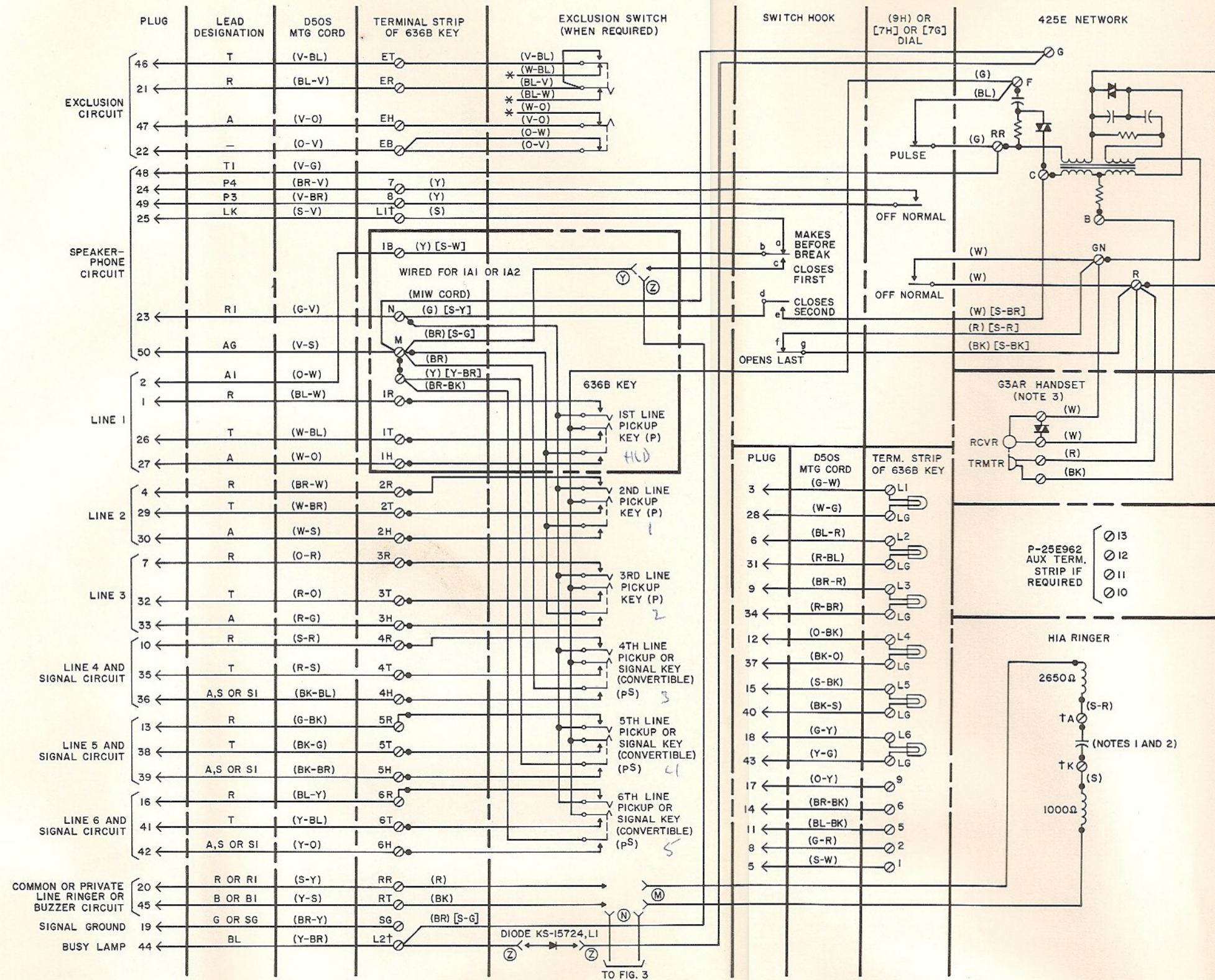


Fig. 1 — 565GK Telephone Set, Connections

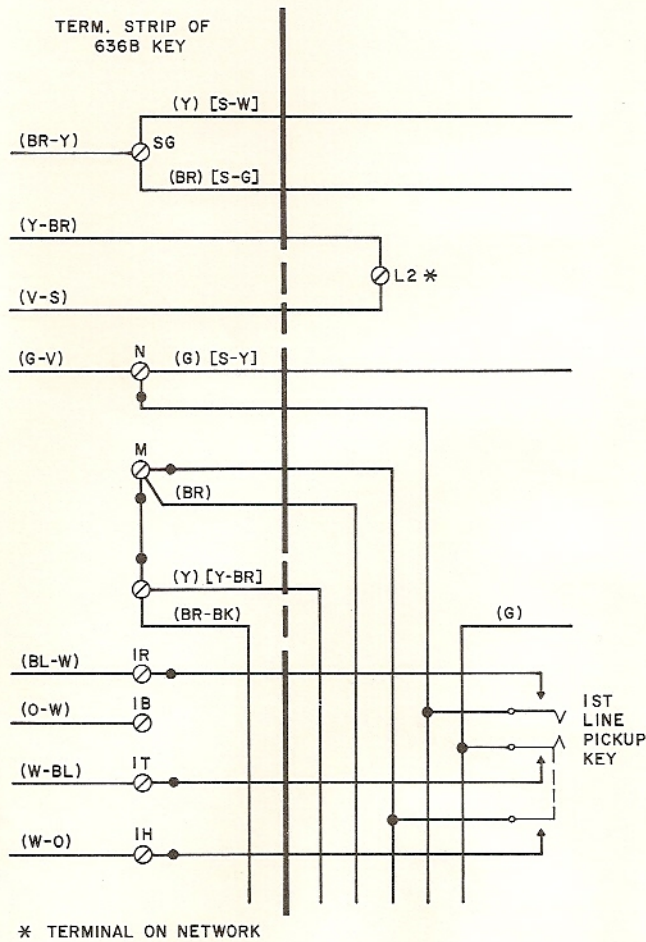


Fig. 2 — Set Wired for 1A Key Telephone System

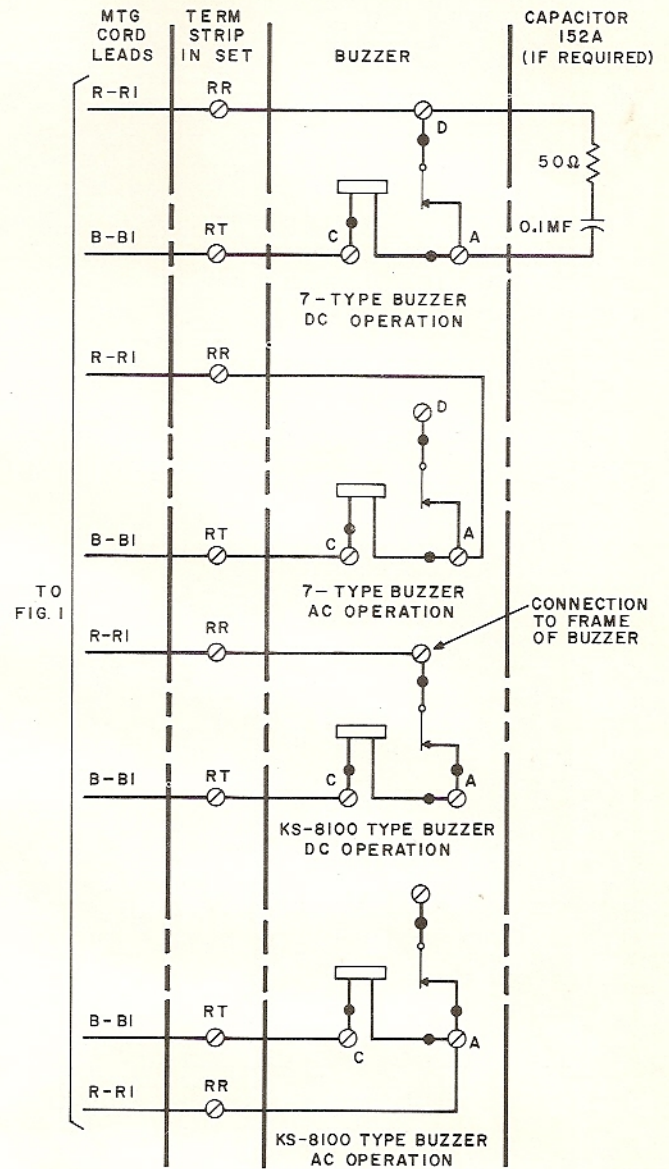


Fig. 3 — Buzzer Connections