

## **SERVICE**

### **750-TYPE TELEPHONE SET**

#### **1. GENERAL**

- Revise Table A.

##### **1.01 Reissued to:**

- Revise figures

#### **NOTICE**

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**TABLE A**  
**750A, B (MD) (LATEST MODEL) AND 750AM, BM TELEPHONE SETS LINE, RINGER, AND 426A TUBE CONNECTIONS (FIG. 1 AND 2)**

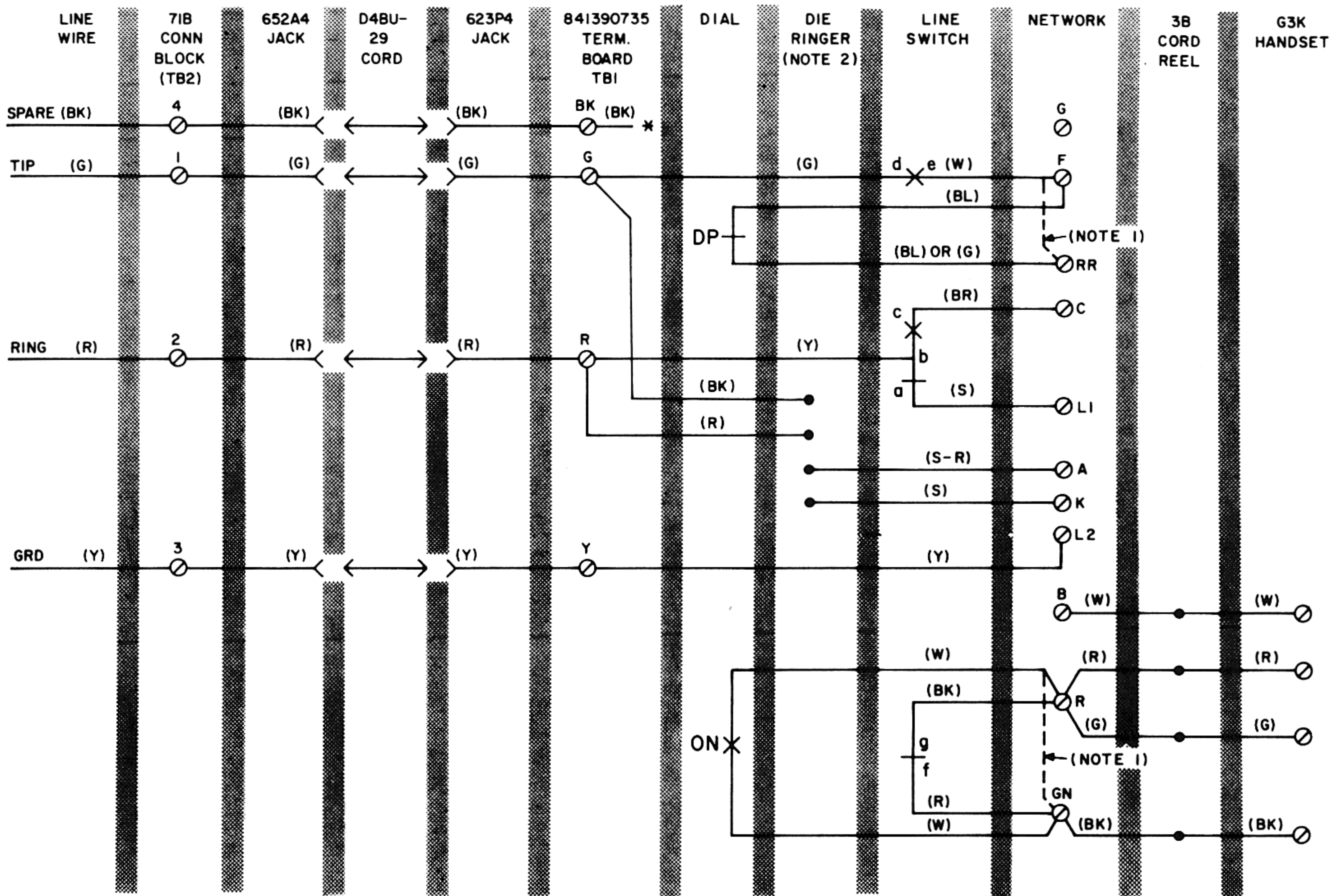
| WIRE OR LEAD              |                    | COLOR | INDIV OR BRIDGED (FACTORY WIRING) |     | RING PARTY |     | TIP PARTY |     | TIP PARTY WITH IDENT. GRD |      |     |           |      |     | SELECTIVE RINGING (Note 1) |      |     |                    |      |  |  |
|---------------------------|--------------------|-------|-----------------------------------|-----|------------|-----|-----------|-----|---------------------------|------|-----|-----------|------|-----|----------------------------|------|-----|--------------------|------|--|--|
|                           |                    |       |                                   |     |            |     |           |     | 1000 OHMS                 |      |     | 2650 OHMS |      |     | NEGATIVE (—) RING          |      |     | POSITIVE (++) RING |      |  |  |
|                           |                    |       |                                   |     |            |     |           |     |                           |      |     |           |      |     |                            |      |     |                    |      |  |  |
| TB2                       | NET.               | TB2   | NET.                              | TB2 | NET.       | TB2 | NET.      | TB2 | MTG BLK                   | NET. | TB2 | MTG BLK   | NET. | TB2 | MTG BLK                    | NET. | TB2 | MTG BLK            | NET. |  |  |
| CO Line at 71B Conn Block | Ring Tip GRD Spare | R     | 2                                 |     | 2          |     | 1         |     |                           |      |     | 1         |      |     | 2                          |      |     | 2                  |      |  |  |
|                           |                    | G     | 1                                 |     | 1          |     | 2         |     |                           |      |     | 2         |      |     | 1                          |      |     | 1                  |      |  |  |
|                           |                    | Y     | 3*                                |     | 3          |     | 3         |     |                           |      |     |           | 3    |     |                            | 3    |     |                    | 3    |  |  |
|                           |                    | BK    | 4                                 |     | 4          |     | 4         |     |                           |      |     |           | 4    |     |                            | 4    |     |                    | 4    |  |  |
| Ringer Leads (Note 2)     |                    | R     |                                   |     |            |     |           |     |                           |      |     |           |      |     |                            |      |     |                    |      |  |  |
|                           |                    | BK    |                                   |     |            |     |           |     |                           |      |     |           |      |     |                            |      |     |                    |      |  |  |
|                           |                    | S     |                                   | R†  |            | R†  |           |     |                           | K    |     |           |      |     |                            |      |     |                    |      |  |  |
|                           |                    | S-R   |                                   | G†  |            | L2  |           | L2  |                           | L2   |     |           |      |     |                            |      |     |                    |      |  |  |
| Line Switch               |                    | S     |                                   | L1  |            | L1  |           |     |                           | A    |     |           |      |     |                            |      |     |                    |      |  |  |
|                           |                    |       |                                   |     |            |     |           |     |                           |      |     |           |      |     |                            |      |     |                    |      |  |  |
| 426A Tube (3-Element)     |                    | BK    |                                   |     |            |     |           |     |                           |      |     |           |      |     |                            |      |     |                    |      |  |  |
|                           |                    | R     |                                   |     |            |     |           |     |                           |      |     |           |      |     |                            |      |     |                    |      |  |  |
| Strap                     |                    | Y     |                                   | L1  |            | L1  |           |     |                           |      |     |           |      |     |                            |      |     |                    |      |  |  |
|                           |                    |       |                                   |     |            |     |           |     |                           |      |     |           |      |     |                            |      |     |                    |      |  |  |

\* Ground may be omitted, if not required for service.

†Terminals are on 814313946 (P-43A394) mounting block (750A/B) or 841390735 TB1 terminal block (750AM/BM)

**Notes:**

1. For tip stations reverse tip and ring at connecting block.
2. To silence ringer permanently, refer to appropriate ringer practice in Division 501.



## NOTES:

1. DASHED LINES INDICATE CONNECTIONS FOR MANUAL SERVICE, DIAL REMAINS ON SET.

2. FACTORY WIRED FOR BRIDGED RINGING. REFER TO TABLE A FOR ALL OTHER CLASSES OF SERVICE.

\* - INSULATE AND STORE

DP - DIAL PULSE

ON - OFF NORMAL

Fig. 1—750AM and BM Telephone Sets, Connections

**TABLE B**  
**750A AND B (MD) TELEPHONE SETS (LATER MODELS) LINE, RINGER, AND 426A TUBE CONNECTIONS (FIG. 3)**

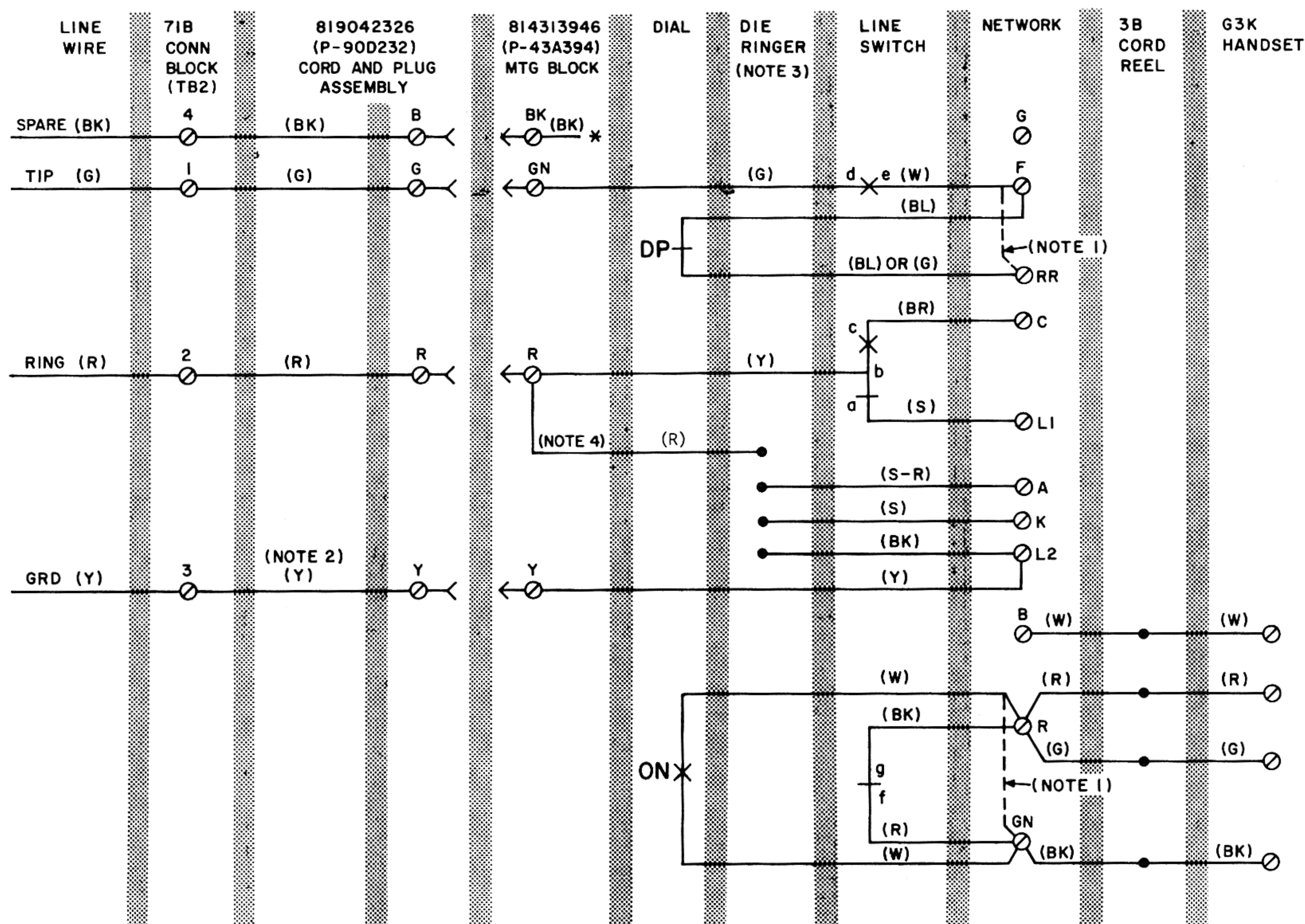
| WIRE OR LEAD              | COLOR | INDIVIDUAL OR BRIDGED (FACTORY WIRING) |         |      | RING PARTY |         |      | TIP PARTY |         |      | TIP PARTY WITH IDENTIFICATION GROUND |         |      |           |         |      | SELECTIVE RINGING  |  |  |                    |  |     |
|---------------------------|-------|----------------------------------------|---------|------|------------|---------|------|-----------|---------|------|--------------------------------------|---------|------|-----------|---------|------|--------------------|--|--|--------------------|--|-----|
|                           |       |                                        |         |      |            |         |      |           |         |      | 1000 OHMS                            |         |      | 2650 OHMS |         |      | NEGATIVE (—) RING† |  |  | POSITIVE (+) RING† |  |     |
|                           |       | TB2                                    | MTG BLK | NET. | TB2        | MTG BLK | NET. | TB2       | MTG BLK | NET. | TB2                                  | MTG BLK | NET. | TB2       | MTG BLK | NET. |                    |  |  |                    |  |     |
| CO Line at 71B Conn Block | Ring  | 2                                      |         |      | 2          |         |      | 1         |         |      | 1                                    |         |      | 1         |         |      | 2                  |  |  | 2                  |  |     |
|                           | Tip   | 1                                      |         |      | 1          |         |      | 2         |         |      | 2                                    |         |      | 2         |         |      | 1                  |  |  | 1                  |  |     |
|                           | GRD   | 3*                                     |         |      | 3          |         |      | 3         |         |      | 3                                    |         |      | 3         |         |      | 3                  |  |  | 3                  |  |     |
| Ringer Leads (Note 1)     |       | TB1                                    | MTG BLK | NET. | TB1        | MTG BLK | NET. | TB1       | MTG BLK | NET. | TB1                                  | MTG BLK | NET. | TB1       | MTG BLK | NET. | TB2                |  |  | TB2                |  |     |
|                           | R     |                                        | R       |      |            | R       |      | 2         |         |      | 2                                    |         |      | 2         |         |      |                    |  |  |                    |  |     |
|                           | BK    | 1                                      |         |      | 1          |         |      | 2         |         |      | 2                                    |         |      | 2         |         |      | 1                  |  |  | 1                  |  |     |
|                           | S     | 2                                      |         | K    | 2          |         | K    | 1         |         |      | 1                                    | Y       |      | 1         |         |      | 2                  |  |  | 2                  |  | K   |
| TB1 Straps (Note 2)       | BK    |                                        | GN      | A    |            | Y       | A    |           | Y       | A    |                                      |         | K    |           |         |      |                    |  |  |                    |  |     |
|                           | S-R   |                                        |         |      |            |         |      |           |         |      |                                      |         | B    |           |         |      |                    |  |  |                    |  | A   |
| Line Switch               | S     |                                        | R       |      |            | R       |      |           | R       |      |                                      |         | A    |           |         |      |                    |  |  |                    |  |     |
| 426A Tube (3-Element)     | BK    |                                        |         |      |            |         |      |           |         |      |                                      |         |      |           |         |      |                    |  |  |                    |  |     |
|                           | R     |                                        |         |      |            |         |      |           |         |      |                                      |         |      |           |         |      |                    |  |  |                    |  | A   |
|                           | Y     |                                        |         |      |            |         |      |           |         |      |                                      |         |      |           |         |      |                    |  |  |                    |  | R Y |

\* Ground may be omitted if not required for service.

† For tip party, reverse (R) and (G) mounting cord leads at TB2.

**Notes:**

1. To silence ringer permanently, refer to appropriate ringer practice in Division 501.
2. One end of straps permanently soldered to TB1, other end equipped with spade tip terminal.



**NOTES:**

1. DASHED LINES INDICATE CONNECTIONS FOR MANUAL SERVICE, DIAL REMAINS ON SET.
2. GROUND MAY BE OMITTED IF NOT REQUIRED FOR SERVICE.
3. FACTORY WIRED FOR RING PARTY. REFER TO TABLE A FOR ALL OTHER CLASSES OF SERVICE.
4. PRIOR TO 2-74, RINGER LEAD WAS CONNECTED TO LI

\* -INSULATE AND STORE

DP-DIAL PULSE

ON-OFF NORMAL

**Fig. 2—750A and B (MD) Telephone Sets, Connections (Latest Models)**

**TABLE C**  
**750A AND B (MD) TELEPHONE SETS (EARLY MODELS) LINE, RINGER, AND 426A TO BE CONNECTIONS (FIG. 4)**

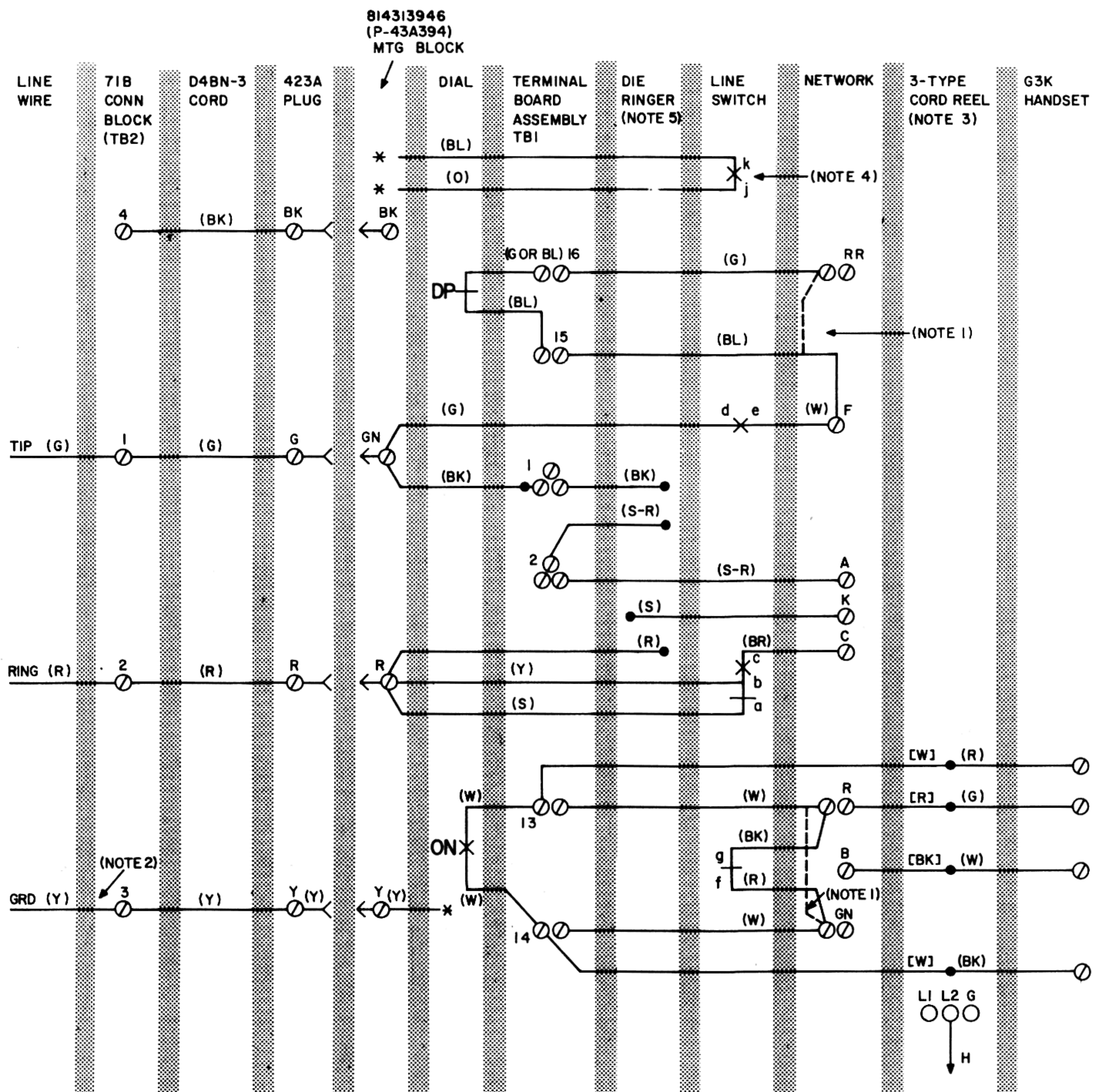
| WIRE OR LEAD              | COLOR | INDIVIDUAL OR BRIDGED (FACTORY WIRING) |         |         |      | RING PARTY |         |         | TIP PARTY |         |         | TIP PARTY WITH IDENTIFICATION GROUND |      |         |      |         |         | SELECTIVE RINGING  |      |                    |         |         |      |
|---------------------------|-------|----------------------------------------|---------|---------|------|------------|---------|---------|-----------|---------|---------|--------------------------------------|------|---------|------|---------|---------|--------------------|------|--------------------|---------|---------|------|
|                           |       | TB2                                    |         | NET.    |      | TB2        |         | NET.    |           | TB2     |         | TB2                                  |      | NET.    |      | TB2     |         | NEGATIVE (—) RING† |      | POSITIVE (+) RING† |         | MTG BLK | NET. |
|                           |       | MTG BLK                                | NET.    | MTG BLK | NET. | MTG BLK    | NET.    | MTG BLK | NET.      | MTG BLK | NET.    | MTG BLK                              | NET. | MTG BLK | NET. | MTG BLK | NET.    | MTG BLK            | NET. | MTG BLK            | NET.    |         |      |
| CO Line at 71B Conn Block | Ring  |                                        | 2       |         |      |            | 2       |         |           |         |         |                                      | 1    |         |      |         |         |                    |      | 2                  |         |         |      |
|                           | Tip   |                                        | 1       |         |      |            | 1       |         |           |         |         |                                      | 2    |         |      |         |         |                    |      | 1                  |         |         |      |
|                           | GRD   |                                        | 3*      |         |      |            | 3       |         |           |         |         |                                      | 3    |         |      |         |         |                    |      | 3                  |         |         |      |
| Ringer Leads (Note 1)     |       | TB1                                    | MTG BLK | NET.    |      | TB1        | MTG BLK | NET.    |           | TB1     | MTG BLK | NET.                                 | TB1  | MTG BLK | NET. | TB1     | MTG BLK | NET.               |      | TB1                | MTG BLK | NET.    |      |
|                           | R     |                                        |         |         |      |            |         |         |           | R       |         |                                      | S-R  |         |      |         |         |                    |      |                    |         |         |      |
|                           | BK    |                                        |         |         |      |            |         |         |           | BK      |         |                                      | S-R  |         |      |         |         |                    |      |                    |         |         |      |
|                           | S     |                                        |         |         |      |            |         |         |           |         |         |                                      | BK   | Y       |      |         |         |                    |      |                    |         |         | K    |
| TB1 Straps (Note 2)       | R     |                                        |         |         |      |            |         |         |           |         |         |                                      |      |         |      |         |         |                    |      |                    |         |         |      |
|                           | BK    |                                        |         |         |      |            |         |         |           |         |         |                                      |      |         |      |         |         |                    |      |                    |         |         |      |
|                           | S-R   |                                        |         |         |      |            |         |         |           |         |         |                                      |      |         |      |         |         |                    |      |                    |         |         | A    |
| Line Switch               | S     |                                        |         |         |      |            |         |         |           |         |         |                                      |      |         |      |         |         |                    |      |                    |         |         |      |
| 426A Tube (3-Element)     | BK    |                                        |         |         |      |            |         |         |           |         |         |                                      |      |         |      |         |         |                    |      |                    |         |         |      |
|                           | R     |                                        |         |         |      |            |         |         |           |         |         |                                      |      |         |      |         |         |                    |      |                    |         |         |      |
|                           | Y     |                                        |         |         |      |            |         |         |           |         |         |                                      |      |         |      |         |         |                    |      |                    |         |         |      |

\* Ground may be omitted if not required for service.

† For tip party, reverse (R) and (G) mounting cord leads at TB2.

**Notes:**

1. To silence ringer permanently, refer to appropriate ringer practice in Division 501.
2. One end of straps permanently soldered to TB1, other end equipped with spade tip terminal.



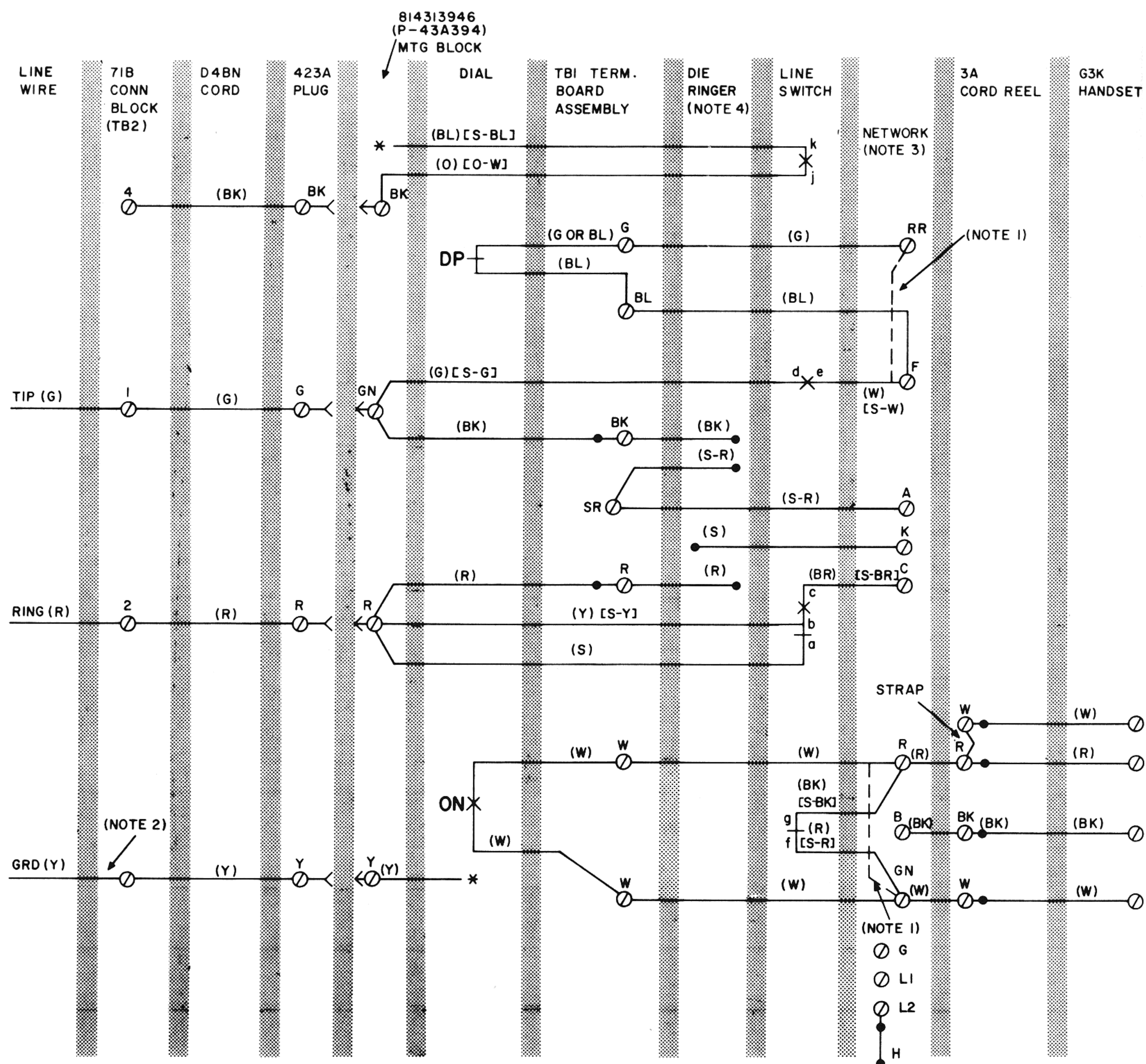
- NOTES:**

1. DASHED LINES INDICATE CONNECTIONS FOR MANUAL SERVICE, DIAL REMAINS ON SET.
  2. GROUND MAY BE OMITTED IF NOT REQUIRED FOR SERVICE.
  3. [ ] DENOTES 3A CORD REEL LEAD COLORS.  
( ) DENOTES 3B CORD REEL LEAD COLORS.
  4. IN CURRENT PRODUCTION MODELS (BL) AND (O) LINE SWITCH LEADS AND ASSOCIATED CONTACTS WILL BE OMITTED.
  5. FACTORY WIRED FOR BRIDGED SERVICE. REFER TO TABLE B FOR ALL OTHER CLASSES OF SERVICE.
- ⊖ TERMINAL WITH SCREW.  
○ TERMINAL WITHOUT SCREW.  
\* INSULATE AND STORE.

DP- DIAL PULSE  
ON- OFF NORMAL

**Fig. 3—750A and B (MD) Telephone Sets, Connections (Later Models)**

**SECTION 502-730-401**



**NOTES:**

1. DASHED LINES INDICATE CONNECTIONS FOR MANUAL SERVICE.  
DIAL REMAINS ON SET.
  2. GROUND MAY BE OMITTED IF NOT REQUIRED FOR SERVICE.
  3. 4010B NETWORK IS EQUIPPED WITH TERMINALS G, L1, L2, AND H.
  4. FACTORY WIRED FOR BRIDGED SERVICE. REFER TO TABLE C FOR  
ALL OTHER CLASSES OF SERVICE.
- \* INSULATE AND STORE  
( ) CURRENT COLOR CODE.  
[ ] MD COLOR CODE

DP - DIAL PULSE  
ON - OFF NORMAL

**Fig. 4—750A and B (MD) Telephone Sets, Connections (Early Models)**