

34818

CIRCUIT DESCRIPTION  
SWITCHING SYSTEMS DEVELOPMENT DEPARTMENT

CD95532-01  
Issue 2D  
Appendix 7D  
Dwg. Issue 9D

9

COMMON SYSTEMS  
RECORDER'S TALKING LINE CIRCUIT

CHANGES

D. DESCRIPTION OF CIRCUIT CHANGES

D.1 The feature or option table is changed to indicate the use of "R" and "T" options on the message register frame in No. 5 Crossbar Offices only and the use of "S" and "T" options in other locations.

D.2 Capacitor "R" in Fig. 3, lead "4" in Fig. A and "P" option in the Options Used table are added at this time. These changes are made due to omissions made on the last reissue of the drawing.

All other headings, no change.

BELL TELEPHONE LABORATORIES, INCORPORATED

DEPT. 2321-FPP-AAB-E6

COMMON SYSTEMS  
RECORDER'S TALKING LINE CIRCUIT

CHANGES

B. CHANGES IN APPARATUS

- B.1 Superseded                      Superseded By
- |                  |   |                    |
|------------------|---|--------------------|
| (B) 684BA Subset | - | (B) 685A3 Subset   |
| (A) 531A3 Subset | - | (A) 687A3 Subset   |
|                  |   | or                 |
|                  |   | (A) C4A Ringer and |
|                  |   | (Q) 198C Capacitor |

D. DESCRIPTION OF CIRCUIT CHANGES

- D.1 Figure A is rated Mfr. Disc. superseded by Figure B, option "X" is rated Mfr. Disc. superseded by options "R" and "S", and option "Q" is rated Mfr. Disc. superseded by option "P", to show realistic ratings for

absolutescent apparatus. Prior to Issue 8-D, Figure B and options "R", "P", "Q" and "S" were not shown, and Figure A was part of Figure 4.

- D.2 Notes 102 and 103, and the "Options Used" table, are expanded.

- D.3 J92603D and J92603B-(-) are added in the Equipment Information column, and ED's 92281-01 and 92282-01 are removed.

- D.4 Equipment Note 201 is removed. It read, "when Figure 1 or 3 is furnished, it shall be mounted on a relay rack frame equipped with talking battery filter".

All other headings, no change.

BELL TELEPHONE LABORATORIES, INCORPORATED

DEPT. 2321-RDK-AAB-FR

COMMON SYSTEMS  
RECORDER'S TALKING LINE CIRCUIT

CHANGES

D. DESCRIPTION OF CIRCUIT CHANGES

- D.01 Reference to "IDF" is included in cross-connection Fig. 57.
- D.02 Connecting information to Fig. 56 is removed from Fig. 52 at the "T" and "R" leads.
- D.03 Connecting information to Fig. 55 is added to Fig. 53.
- D.04 Option "Y" is removed from the DIAL lead in cross-connection Figs. 53 and 55.
- D.05 Notes 205 and 301 are added.
- D.06 ED-92158-01 is added as equipment information.
- D.07 Connecting information to "Miscellaneous Circuit For Traffic Register Rack" and "Miscellaneous Circuit For All Frames" is added to Fig. 2.
- D.08 Reference to Note 203 is removed from Fig. 4.
- D.09 Reference to Note 301 is added to Note 103.

D.10 Note 203 is removed; it formerly read: Two wires of a quad shall be run from varistor (A) to the subset (one side of which may connect through the dial) and two wires of another quad shall be run from varistor (A) to the telephone jacks. The other wires of the 1st quad shall be run from the subset to the telephone jacks and loop at varistor (A).

4. CONNECTING CIRCUITS

When this circuit is listed on a keysheet, the connecting information thereon is followed.

- 4.1 Miscellaneous Circuit For Traffic Register Rack And Recorder's Desk - SD-68059-01.
- 4.2 Traffic Register Cabinet Circuit SD-95531-01.
- 4.3 Miscellaneous Circuit - Message Register Frame SD-25841-01 (Mfr. Disc.).
- 4.4 Subscriber Line Circuit SD-25548-01 (Mfr. Disc.).
- 4.5 Miscellaneous Circuit For All Frames SD-25574-01.
- 4.6 Subscriber Line Circuit SD-26030-01 (Typical).

All other headings, no change.

BELL TELEPHONE LABORATORIES, INC.

DEPT. 2353-HLHD-EWO-SP

COMMON SYSTEMS  
RECORDER'S TALKING LINE CIRCUIT

CHANGES

D. DESCRIPTION OF CIRCUIT CHANGES

- D.1 Figs. 52, 53 and 54 are changed.
- D.2 Figs. 55, 56 and 57 are added.
- D.3 Note 204 is added.
- D.4 All of the above changes and additions are required to provide cross connections, necessary to replace SD-31587-01 with this circuit.

D.5 The SH type dial and associated wiring, "Y" option, are rated "Mfr. Disc." and superseded by the 6A dial and associated wiring, "T" option. Prior to issue 6-D, "T" option was not shown.

D.6 Note 103 and the "options used" table are expanded, and note 102 is changed to cover this change.

All other headings, no change.

BELL TELEPHONE LABORATORIES, INC.

DEPT. 3110-JFM-AAB-G7

COMMON SYSTEMS  
RECORDER'S TALKING LINE CIRCUIT

CHANGES

B. CHANGES IN APPARATUS

B.1 Superseded

3A Varistor  
"V" option

Superseded By

3B Varistor  
"U" option

D. DESCRIPTION OF CIRCUIT CHANGES

D.1 The 3A varistor in Fig.2 was rated "Mfr.Disc." for use in this circuit and designated "V" option. It was superseded by the 3B varistor designated "U" option. Prior to issue 5-D "V" option was not designated and "U" option was not shown.

All other headings, no change.

BELL TELEPHONE LABORATORIES, INC.

DEPT. 3310-SRM-RLL-BI

TO BE KEPT AS AN ORIGINAL  
BY THE HAWTHORNE PAINT SHOP

COMMON SYSTEMS  
RECORDER'S TALKING LINE CIRCUIT

CHANGES

D. DESCRIPTION OF CIRCUIT CHANGES

D.1 Lead "A" was added in cross-connection  
Fig. 53 for interconnection to Crossbar  
No. 5 offices.

All other headings, no change.

BELL TELEPHONE LABORATORIES, INC.

DEPT. 3310-SRM-RLL-BZ

TO BE USED AS AN ORIGINAL  
BY THE HAWTHORNE PRINT SHOP

COMMON SYSTEMS  
RECORDER'S TALKING LINE CIRCUIT

CHANGES

D. DESCRIPTION OF CIRCUIT CHANGES

D.1 Subset (A), Fig. 2, is not re-  
quired for a direct talking line.  
Formerly "W" and "X" options were not  
designated.

D.2 Circuit note 102 has been revised to  
cover the use of options "W" and "X".

D.3 Circuit note 103 has been modified  
to cover these changes.

All other headings, no change.

BELL TELEPHONE LABORATORIES, INC.

DEPT. 3340-SL-FAK-B

REPRODUCED AS AN ORIGINAL  
BY THE HAWTHORNE PRINT SHOP

COMMON SYSTEMS  
RECORDER'S TALKING LINE CIRCUIT

CHANGES

B. CHANGES IN APPARATUS

Superseded	Superseded By	Added
Fig. 1	Fig. 3	Fig. 4

lines using subscriber line circuits for talking from traffic and message register frames to the recorder's desk.

D. DESCRIPTION OF CIRCUIT CHANGES

D.1 Fig. 4 has been added to provide a telephone circuit at the recorder's desk which allows for use of a head telephone set. Formerly Fig. 4 was not shown and connecting information allowed for the use of a standard subset which remains optional equipment for this application.

D.2 To reduce job engineering Fig. 2 has been specified at the register frames in all cases whether or not a direct talking line is specified. This allows Fig. 1 to be superseded by the simpler arrangement in Fig. 3 since direct connection to the telephone jacks on the register frames is no longer necessary.

D.3 The details of the above changes are these:

D.31 Formerly Figs. 3 and 4 were not shown, Figs. 1 and 2 were standard, reference to Figs. 3 and 4 in Notes 101, 102 and 201 was not shown and Notes 103, 202 and 203 were not shown.

D.32 Formerly Note 102 specified one Fig. 1 per circuit for direct recorder's talking line, one Fig. 2 per circuit with Y-option for a recorder's talking line using a subscriber line circuit in the switch room, and one Fig. 2 per circuit with Z-option for a recorder's talking line using a subscriber line circuit in the operating room.

D.33 Formerly the replacing note covered only SD-25753-01, SD-25834-01 and SD-25841-01.

D.4 Changes have been made in the cross-connections.

All other headings under Changes, No change.

1. PURPOSE OF CIRCUIT

1.1 To provide a direct recorder's talking line a recorder's talking

2. WORKING LIMITS

2.1 None.

3. FUNCTIONS

3.1 Provides a direct talking line from the traffic and message register frames to the recorder's desk.

3.2 Provides a recorder's talking line using a subscriber line circuit arranged for manual originating service at the traffic register frames located in the operating room for talking to the recorder's desk.

3.3 Provides a recorder's talking line using a dialing or manual subscriber line circuit at register frames located in the switch room for talking to the recorder's desk.

3.4 Provides a recorder's desk talking line with jacks for use with a standard head telephone set using a dial or manual subscriber line circuit for talking to a recorder at the traffic or message register frame.

3.5 Provides for alternate use of a standard subset at the recorder's desk.

4. CONNECTING CIRCUITS

When this circuit is listed on a key sheet the connecting information thereon is to be followed.

4.1 Traffic Register Cabinet Circuit, SD-95531-01.

4.2 Miscellaneous Circuit - Message Register Frame, SD-25841-01 (Typical).

4.3 Subscriber's line circuit, SD-25548-01 (Typical).

DESCRIPTION OF OPERATION

5. DIRECT RECORDER'S TALKING LINE

When a direct talking line is specified Fig. 4 (or a subset) at the

TO BE USED AS AN ORIGINAL  
BY THE HAWTHORNE PRINT SHOP

recorder's desk is connected through Fig. 3 to a Fig. 2 for each group of register frames. Communication is established by plugging a standard head telephone set into the jacks at both the desk and at the register frame. No signaling is provided, hence talking must be by prearrangement.

If Fig. 1 (Mfr. Disc.) is used it connects directly to the jacks on the register frames and to the subset at the desk.

6. RECORDER'S TALKING LINES USING SUBSCRIBER LINE CIRCUITS

When signaling is required the telephone circuit at the desk connects to one

subscriber line circuit while the telephone circuits for the register frames connect to other subscriber line circuits as required. Communication is established in the same manner as for regular subscribers. A dial is provided in each telephone circuit in a dial office except when the traffic registers are located in the operating room. In this case the dial is always omitted and the associated subscriber line circuit is arranged to give manual originating service. If the same subscriber line circuit is used for the telephone circuit at the message register frame the dial there is also omitted.

BELL TELEPHONE LABORATORIES, INC.

DEPT. 3340-CEG-FAK-ES