

CIRCUIT DESCRIPTION

CD-32128-01
ISSUE 2D
APPENDIX 13D
DWG ISSUE 20D

14

STEP BY STEP SYSTEMS
NO. 1, 350A, 355A, 356A OR 35E97
CONNECTOR BANK MULTIPLE CIRCUIT

CHANGES

D. Description of Changes

D.1 Connecting information is added for the ROTL-2
Port Circuit.

BELL TELEPHONE LABORATORIES, INCORPORATED

DEPT 5245-ICB
WECO DEPT 5152-REA-WEA

CIRCUIT DESCRIPTION

CD-32128-01
ISSUE 2D
APPENDIX 12D
DWG ISSUE 19D

STEP BY STEP SYSTEMS
NO. 1, 350A, 355A, 356A, OR 35E97
CONNECTOR BANK MULTIPLE CIRCUIT

CHANGES

D. Description of Changes

- D.1 Connecting information for the Permanent Signal Holding Trunk Circuit is added to Fig. A.
- D.2 Fig. 69 was added to the drawing.

F. Changes in CD Sections

- F.1 Under 4. CONNECTING CIRCUITS, add 4.26: Permanent Signal Holding Trunk Circuit - SD-32370-01.

BELL TELEPHONE LABORATORIES, INCORPORATED

DEPT 5643-BP-MR

CIRCUIT DESCRIPTION

CD-32128-01
ISSUE 2D
APPENDIX 11D
DWG ISSUE 18D

STEP-BY-STEP SYSTEMS
NO. 1, 350A, 355A, 356A, OR 35E97
CONNECTOR BANK MULTIPLE CIRCUIT

CHANGES

D. Description of Changes

D.1 Terminal per line features, Items 3, 5, 6, and 8 are removed from Note 101 and shown in added Note 105 which is rated Mfr Disc.

D.2 The circuit is rated A&M Only for use in 350A offices.

BELL TELEPHONE LABORATORIES, INCORPORATED

DEPT 5641-MKD-RMW

CIRCUIT DESCRIPTION

CD-32128-01
ISSUE 2D
APPENDIX 10D
DWG ISSUE 17D

STEP BY STEP SYSTEMS
NO. 1, 350A, 355A, 356A, OR 35E97
CONNECTOR BANK MULTIPLE CIRCUIT

CHANGES

D. Description of Changes

D.1 Prior to this reissue cross-connection Fig. 63 was rated
AT&TCo Std.

BELL TELEPHONE LABORATORIES, INCORPORATED

DEPT 2363-MEB-FCK

CIRCUIT DESCRIPTION

CD-32128-01
ISSUE 2D
APPENDIX 9D
DWG ISSUE 16D

STEP-BY-STEP SYSTEMS
NO. 1, 350A, 355A, 356A, OR 35E97
CONNECTOR BANK MULTIPLE CIRCUIT

CHANGES

D. Description of Changes

D.1 Cross-connection Fig. 68 was not formerly shown.

BELL TELEPHONE LABORATORIES, INCORPORATED

DEPT 2363-FM-FCK

10

CIRCUIT DESCRIPTION

CD-32128-01
Issue 2-D
Appendix 8-D
Dwg. Issue 15-D

STEP BY STEP SYSTEMS
NO. 1, 350A, 355A, 35A OR 35E97
CONNECTOR BANK MULTIPLE CIRCUIT

CHANGES

D. DESCRIPTION OF CIRCUIT CHANGES

- D.1 In Fig. E, connections for the "TM or R" and "OS or T" leads formerly read "To Traffic Register Circuit".
- D.2 In Fig. E, "H" and "S" leads are brought out with connections as follows "To Misc. Alm. Ckt, Reg. Ckt, No. 355A and 35E97.
- D.3 In Fig. 5, connections for the "Upper bank of upper two banks, Lev. 9", and "Lower bank of upper two banks Lev. 9" formerly read "To Fig. A, B, E, or G.
- D.4 35E97 added in title box.
- D.5 Rating was "AT&TCo Standard A&M Only for 35cA".
- D.6 Note 104 is added with reference at Figs. A, B, and E.
- D.7 In Figs. 53, 54, 55, 56 and 57 the designation of the leads from the HP chgs are made to agree with the schematic figures.

D.8 In Figs. 64 and 67, S and H leads to Misc. Alm. Ckt. (Register Ckt) are added and the OS or T and TM or R lead designations are added. The wire lead from the HP chgs for Conn. Term. 99 to ground at shelf jack Term No. 11 is changed from 20AM to 22BH to permit solderless wrapping.

D.9 Over Equipment Information J32311H and J38309R are added replacing ED-305d6-01 and ED-31032-01, which are line out.

4. CONNECTING CIRCUITS

Add.

- 4.26 Miscellaneous Alarm Circuit, Register Circuit, No. 355A - SD-31976-01*.
- 4.27 Traffic Register Circuit, No. 1 or 350A - SD-30896-01, SD-31109-01*.
- 4.28 Line Insulation Test Control Circuit - SD-32219-01.
- 4.29 Outgoing Trunk Circuit - SD-32312-01*.
- 4.30 Ringing Interrupter and Alarm Circuit - SD-31298-01.

BELL TELEPHONE LABORATORIES, INCORPORATED

DEPT. 2363-JML-FBB-BT

STEP BY STEP SYSTEMS
NO. 1, 350A, 355A OR 356A
CONNECTOR BANK MULTIPLE CIRCUIT

CHANGES

D. DESCRIPTION OF CIRCUIT CHANGES

D.1 The rating of this circuit for 356A offices is changed to A&M Only since it is expected that there will be no further demand for new 356A dial offices.

D.2 Fig. 52 is being rated Mfr. Disc. since the practice of cross connecting line finders and connectors directly at the switch frame has been discontinued.

D.3 Figs. 65, 66 and 67 are revised to show terminal designation "H" instead of "A"

4. CONNECTING CIRCUITS

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

- 4.01 Connectors - Toll - 10 Party - Terminal per Station - Loop Dialing - SD-31300-01.
- 4.02 Combination - 8 Party Terminal per Station - SD-30862-01.
- 4.03 Combination Toll and Local - 2 Ring - Loop Dialing - SD-30220-01.
- 4.04 Toll - 8 Party - Repeated Dialing - SD-31696-01.
- 4.05 Toll - Rotary Hunting - Loop Dialing - SD-31114-01.
- 4.06 Local - 5 Code - 10 Party Terminal per Station - SD-31810-01.
- 4.07 Local - Rotary Hunting - 1 Ring - SD-30215-01.
- 4.08 Combination Toll and Local - Repeated Dialing - ES-30350-01.
- 4.09 Local - 5 Code - 10 Party Terminal per Line - SD-30973-01.

- 4.10 Local Level Hunting - SD-31088-01.
- 4.11 Test Connector - SD-31773-01.*
- 4.12 Local - 5 Code - Terminal per Line - SD-30956-01.
- 4.13 Local - 5 Code - Terminal per Line - Rotary Hunting - SD-30957-01.
- 4.14 Local - 8 Party - Terminal per Line - SD-30979-01.
- 4.15 Local - 8 Party - Terminal per Line - Rotary Hunting - SD-30977-01.
- 4.16 Distributor Circuit - SD-30980-01.
- 4.17 Auxiliary Line Circuit - SD-32082-01.
- 4.18 Test Jack and Connector Test Line Circuit - SD-31857-01.*
- 4.19 Local Connector - 20 Party - SD-31920-01.
- 4.20 Local 200-Point Connector - SD-33005-01.*
- 4.21 Local 200-Point Connector Arranged for Rotary Hunting on Ninth Level - SD-33006-01.*
- 4.22 Combination 200-Point Connector - SD-33009-01.*
- 4.23 Interrupter Relay Circuit - No. 355A Circuit - SD-31868-01.
- 4.24 Interrupter Relay Circuit - No. 1 and 350A Circuit - SD-32135-01.
- 4.25 Ringing Interrupter and Alarm Circuit - SD-31336-01.*

*Typical

All other headings, no change.

BELL TELEPHONE LABORATORIES, INCORPORATED

DEPT. 2336-JPD-RCD-KM

CIRCUIT DESCRIPTION

CD-32128-01
Issue 2-D
Appendix 6-D
Dwg. Issue 13-D

STEP BY STEP SYSTEMS
NO. 1, 350A, 355A OR 356A
CONNECTOR BANK MULTIPLE CIRCUIT

CHANGES

B. CHANGES IN APPARATUS

B.1 Added

- 2, 42D banks in Fig. 4
- 2, 42D banks in Fig. 5
- 2, 51D banks in Fig. 4
- 2, 42E banks in Fig. 4
- 2, 42E banks in Fig. 5
- 2, 51E banks in Fig. 4
- 2, 53E banks in Fig. 5

D. DESCRIPTION OF CIRCUIT CHANGES

- D.1 In Note 101 information for use with 200-point connectors was added.
- D.2 In Note 102 Figs. 4 and 5 and associated information was added.
- D.3 In Note 102 all banks per Options "P," "S," "V," and "Y" were previously rated Std.
- D.4 Note 103 was added.
- D.5 Option "M" was added.
- D.6 Fig. 4 was added for use with non-rotary hunting 200-point connectors.
- D.7 Fig. 5 was added for use with 200-point connectors arranged to rotary hunt on the ninth level.
- D.8 Cross connecting Figs. 65, 66, and 67 were added.

4. CONNECTING CIRCUITS

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

- 4.01 Connectors - Toll - 10 Party - Terminal per Station - Loop Dialing. SD-31300-01.
- 4.02 Combination - 8 Party Terminal per Station. SD-30862-01.
- 4.03 Combination Toll and Local - 2 Ring - Loop Dialing. SD-30220-01.
- 4.04 Toll - 8 Party - Repeated Dialing. SD-31696-01.

- 4.05 Toll - Rotary Hunting - Loop Dialing. SD-31114-01.
- 4.06 Local - 5 Code - 10 Party Terminal per Station - SD-31810-01.
- 4.07 Local - Rotary Hunting - 1 Ring. SD-30215-01.
- 4.08 Combination Toll and Local - Repeated Dialing. ES-30350-01.
- 4.09 Local - 5 Code - 10 Party Terminal per Line. SD-30973-01.
- 4.10 Local Level Hunting. SD-31088-01.
- 4.11 Test Connector - SD-31773-01.*
- 4.12 Local - 5 Code - Terminal per Line - SD-30956-01.
- 4.13 Local - 5 Code - Terminal per Line - Rotary Hunting. SD-30957-01.
- 4.14 Local - 8 Party - Terminal per Line - SD-30979-01.
- 4.15 Local - 8 Party - Terminal per Line - Rotary Hunting. SD-30977-01.
- 4.16 Distributor Circuit - SD-30980-01.
- 4.17 Auxiliary Line Circuit - SD-32082-01.
- 4.18 Test Jack and Connector Test Line Circuit - SD-31857-01.*
- 4.19 Local Connector - 20 Party - SD-31920-01.
- 4.20 Local 200-Point Connector SD-33005-01.*
- 4.21 Local 200-Point Connector arranged for Rotary Hunting on Ninth Level SD-33006-01.*
- 4.22 Combination 200-Point Connector - SD-33009-01.*

*Typical

All other headings, no change.

BELL TELEPHONE LABORATORIES, INCORPORATED

DEPT. 2315-ASD-RCD-HD

Printed in U.S.A.

Page 1
1 Page

CIRCUIT DESCRIPTION

CD-32128-01
Issue 2-D
Appendix 5-D
Dwg. Issue 12-D

STEP BY STEP SYSTEMS
NO.1, 350A, 355A OR 356A
CONNECTOR BANK MULTIPLE CIRCUIT

CHANGES

D. DESCRIPTION OF CIRCUIT CHANGES

- D.1 Note 201 was revised to add ED-31270-10 and rate ED-30324-01 M.D.
- D.2 Fig. 56 is rated M.D. and superseded by Fig. 64.
- D.3 Note 208 is added to Equipment Notes.
- D.4 Reference to Note 208 is added to Figs. 51 to 55 inclusive, and Fig. 63.

All other headings, no change.

BELL TELEPHONE LABORATORIES, INCORPORATED

DEPT. 2315-WCB-RCD-SW

**CIRCUIT DESCRIPTION
SWITCHING SYSTEMS DEVELOPMENT DEPARTMENT**

**CD-32128-01
Issue 2-D
Appendix 4-D
Dwg. Issue 11-D**

**STEP BY STEP SYSTEMS
NO. 1, 350A, 355A OR 356A
CONNECTOR BANK MULTIPLE CIRCUIT**

CHANGES

D. DESCRIPTION OF CIRCUIT CHANGES

D.1 Connecting information on Fig. A is changed to include Plugging-Up Line Circuits and Line Insulation Test Control Circuits.

D.2 Circuit Note 101 is changed to reflect this change, Equipment Notes 205, 206 and 207 are added, and fig. 63 is added.

All other headings, no change.

BELL TELEPHONE LABORATORIES, INCORPORATED

DEPT. 2313-HGS-RLI-DL

STEP-BY-STEP SYSTEMS
NO. 1, 350A, 355A OR 356A
CONNECTOR BANK MULTIPLE CIRCUIT

CHANGES

D. DESCRIPTION OF CIRCUIT CHANGES

D.1 Prior to this issue note 204
read: "In the case of overflow
rotary connector shelves on a separate
frame from the frame on which the
initial shelf of the group is located,
and where this separate (overflow)
frame is associated with a different
connector test line, than the initial
frame, the "T", "R" and "S" leads of

the multiple cable to the preceding
shelf for the "90" connector test line
terminal shall be left unconnected at
the bank terminal strip of the first
such overflow shelf on the frame,
and the multiple connection made
instead to the connector test line
terminal (99 or 90) as required of
the nearest shelf normally associ-
ated with the connector test line
on this overflow frame."

All other headings, no change.

BELL TELEPHONE LABORATORIES, INC.

DEPT. 3310-BP-RLL-SI

CIRCUIT DESCRIPTION
SWITCHING SYSTEMS DEVELOPMENT DEPARTMENT

CD-32128-01
Issue 2-D
Appendix 2-D
Dwg. Iss. 9-D

STEP-BY-STEP SYSTEMS
NO. 1, 350A, 355A OR 356A
CONNECTOR BANK MULTIPLE CIRCUIT

CHANGES

D. DESCRIPTION OF CIRCUIT CHANGES

D.1 Multiple straps are added to
the T, R and S punchings of
cross-connection figures 60 and
61.

All other headings, no change.

BELL TELEPHONE LABORATORIES, INC.

DEPT. 3310-MKS-RLI-SI

CIRCUIT DESCRIPTION
SWITCHING SYSTEMS DEVELOPMENT DEPARTMENT

CD-32128-01
Issue 2-D
Appendix 1-D
Dwg. Issue 8-D

STEP BY STEP SYSTEMS
NO. 1, 350A, 355A OR 356A
CONNECTOR BANK MULTIPLE CIRCUIT

CHANGES

D. DESCRIPTION OF CIRCUIT CHANGES

- D.1 Cross-connection Fig. 56 is changed.
- D.2 The rating "A&M Only for the 360A" is removed from the rating box.

All other headings, no change.

BELL TELEPHONE LABORATORIES, INC.

DEPT. 3310- SKV-RWH-KQ

STEP-BY-STEP SYSTEMS
NO. 1, 350A, 355A, OR 356A
CONNECTOR BANK MULTIPLE CIRCUIT

CHANGES

D. DESCRIPTION OF CIRCUIT CHANGES

D.1 Equipment Note 204, referring to Fig. 56, is added. This provides for connecting the connector test line terminal on an overflow shelf, when located on a frame served by a test line other than that serving the initial shelf, to the test line serving the other shelves of the overflow frame. This avoids the need for two sets of test line jacks on the overflow frame.

All other headings under Changes, no change.

1. PURPOSE OF CIRCUIT

1.1 This circuit shows the multiple banks and wiring for Connector Switch Circuits together with optional bank codes and figures representing different bank wiring arrangements.

2. WORKING LIMITS

2.1 None.

3. FUNCTIONS

3.1 To provide a common drawing that covers all types of banks used with various Connector Switches.

3.2 To provide optional bank codes.

3.3 To provide a number of optional figures which permit specifying the particular wiring arrangement required for any Connector Switch Circuit.

4. CONNECTING CIRCUITS

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

4.01 Connectors - Toll - 10 Party - Terminal per Station - Loop Dialing. SD-31300-01.

4.02 Combination - 8 Party Terminal per Station. SD-31806-01.

4.03 Combination Toll and Local - 2 Ring - Loop Dialing. SD-30220-01.

4.04 Toll - 8 Party - Repeated Dialing. SD-31696-01.

4.05 Toll - Rotary Hunting - Loop Dialing. SD-31114-01.

4.06 Local - 5 Code - 10 Party Terminal per Station - SD-31810-01.

4.07 Local - Rotary Hunting - 1 Ring. SD-30215-01.

4.08 Combination Toll and Local - Repeated Dialing. SD-30350-01.

4.09 Local - 5 Code - 10 Party Terminal per Line. SD-30973-01.

4.10 Local Level Hunting. SD-31088-01.

4.11 Test Connector - SD-31773-01.

4.12 Local - 5 Code - Terminal per Line - SD-30956-01.

4.13 Local - 5 Code - Terminal per Line - Rotary Hunting. SD-30957-01.

4.14 Local - 8 Party - Terminal per Line - SD-30979-01.

4.15 Local - 8 Party - Terminal per Line - Rotary Hunting. SD-30977-01.

4.16 Distributor Circuit - SD-30980-01.

4.17 Auxiliary Line Circuit - SD-32082-01.

4.18 Test Jack and Connector Test Line Circuit - SD-32148-01.

4.19 Local Conn. - 20 Party - SD-31920-01.

DESCRIPTION OF OPERATION

5. No circuit operation as such is involved. Bank codes and various bank wiring arrangements for Connector Circuits are given by options and figures, respectively. From the information given on a particular Connector Circuit it should therefore be possible to specify the option and figure that are to be used. The use of this drawing thereby avoids showing this information on every individual circuit.