

CIRCUIT DESCRIPTION

CD-65771-01
ISSUE 7D
APPENDIX 3D
DWG ISSUE 14D

6

PBX SYSTEMS
NO. 552A, 552B, 552D, 552E,
605A, 607A, 607B, 701B, 701PK, 711B OR 711PK
RINGING LEADS CIRCUIT

CHANGES

D. Description of Changes

D.1 The rating of the drawing is changed from AT&TCo Standard, A&M Only for 607A and 607B, and Mfr Disc. for 605A to AT&TCo Standard, A&M Only for 552A, 552B, 552D, and 552E, and Mfr Disc. for 605A, 607A, and 607B.

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DEPT 3224-RT-RVL

PBX SYSTEMS
NO. 552A, 552B, 552D, 552E,
605A, 607A, 607B, 701B, 701PK, 711B, OR 711PK
RINGING LEADS CIRCUIT

CHANGES

D. Description Of Changes

- D.1 Connecting information for the 850A PBX is added to Fig. 1 and 7.
- D.2 Connecting information for miscellaneous systems is added to Fig. 2.

F. Changes In CD Section

- F.1 In SECTION III, 3. add 3.22 and 3.23 to read:
 - 3.22 Digit Counter Circuit - SD-5E057-01.
 - 3.23 850A PBX Fuse, Alarm, and Emergency Transfer Circuit - SD-1E179-01.

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DEPT 3223-RCL-FLS

PBX SYSTEMS
NO. 552A, 552B, 552D, 552E,
605A, 607A, 607B, 701B, 701PK, 711B, OR 711PK
RINGING LEADS CIRCUIT

CHANGES

D. Description of Changes

D.1 Connection 8, designation lead MR associated with terminal 25 and connection 7, designation lead RING GRD associated with terminal 30 as previously shown in CAD 19 are changed to read connection 7, designation lead RING GRD associated with terminal 25 and connection 8, designation lead MR associated with terminal 30, respectively.

F. Changes in CD Sections

F.1 In SECTION III, under paragraph 3. CONNECTING CIRCUITS, add:

3.22 Power Distribution Circuit -
SD-67026-01.*

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(WEC 2120HW-RGB-WHK)
DEPT 5337-LAH

ABC

PBX SYSTEMS
NO. 552A, 552B, 552D, 552E
605A, 607A, 607B, 701B, 701PK, 711B OR 711PK
RINGING LEADS CIRCUIT

SECTION I - GENERAL DESCRIPTION1. PURPOSE OF CIRCUIT

1.01 This circuit supplies ringing current to the PBX cord, night alarm, buzzer fuse and power alarm, long line, long trunk, tie trunk, miscellaneous trunk, selector connector, and connector circuits.

1.02 This circuit supplies ringing tone to the recorded dictation and intercept or attendant trunk circuit.

SECTION II - DETAILED DESCRIPTION1. MACHINE RINGING LAMP FIG. 1

1.01 Machine ringing current is supplied from either the power ringing or central office ringing supply to the attendant switchboard cord circuit, miscellaneous trunk circuit and dial equipment selector-connector and connector switches. The 13G resistance lamp is provided to protect the common ringing lead in case of a short circuit between leads M and N or a ground on lead M.

1.02 Machine ringing tone is furnished (lead M) to the recorded dictation and selector intercept attendant's trunk circuit, and misc. trk. circuits.

2. CONTINUOUS RINGING LAMP FIG. 2

2.01 Continuous ringing current is supplied from either the power ringing or central office ringing supply to the night alarm, fuse and power alarm circuits or to the miscellaneous trunk circuits. The 13G resistance lamp is provided to protect the common continuous ringing lead in case of a short circuit between leads 1 and 2 or a ground on lead 2.

2.02 Continuous ringing tone is furnished (lead 2) to the recorded dictation trunk circuit.

3. CONTINUOUS RING CONNECTING CIRCUIT FIG. 3

3.01 This circuit is used as a connecting link between the power ringing or the central office continuous ringing supply and long trunk, long line, or tie trunk circuits that have their own resistance lamps to protect the common continuous ringing supply leads.

4. POSITION RINGING CIRCUIT FIGS. 4, 5, A, B & C

4.01 With the ringing key normal (Figs. A or B), this circuit supplies continuous ringing current from either the power ringing or central office continuous ringing supply to the attendant switchboard cord circuit. One 13G resistance lamp is provided per position to protect the common continuous ringing lead in case the attendant rings on a line that is short-circuited or grounded on lead 2.

4.02 When the power ringing or central office continuous ringing supply fails, the ringing key (Figs. A or B) is operated and the hand generator is used to provide ringing current for the cord circuits.

4.03 When a hand generator is not provided, either Fig. C or Fig. A and T option is used.

5. POSITION RINGING CIRCUIT FIGS. 5 & 6

5.01 This circuit (Fig. 6 and T option) supplies continuous ringing current from the power ringing, central office continuous ringing supply or the tone, ring and interrupter circuit to the attendant's switchboard cord and buzzer circuit. The 13G resistance lamp is provided per position to protect the common continuous supply lead in case the attendant rings on a line that is short-circuited or grounded on lead 2, or if the buzzer circuit becomes short-circuited or grounded on lead 2.

5.02 When this circuit (Figs. 5, 6 and W option) is used and the continuous ringing supply from the power ringing, central office continuous ringing supply or the tone, ring and interrupter circuit fails, the ringing key is operated and the hand generator is used to provide ringing current to the cord circuit. The buzzer will be inoperative.

6. CONTINUOUS RINGING CIRCUIT FIG. 7

6.01 This circuit is used as a connecting link between the power ringing circuit and any miscellaneous circuit that requires continuous ringing.

7. CONTINUOUS RINGING LAMP FIG. 8

7.01 Continuous ringing is supplied to the attendant's switchboard cord (607 Type) through this lamp to protect the supply leads that multiple to other positions.

8. CONTINUOUS RINGING LAMP FIG. 9

8.01 This lamp protects the power ringing supply from a short circuit or a ground on the AC-DC AUD side and is located as near the power supply as possible.

SECTION III - REFERENCE DATA

1. WORKING LIMITS

1.01 None.

2. FUNCTIONS

2.01 To supply machine ringing current to the selector connector, connector, cord or miscellaneous trunk circuits.

2.02 To supply continuous ringing current to the cord, night alarm, buzzer, fuse and power alarm, miscellaneous trunk, long line, long trunk, tie trunk circuits or miscellaneous circuit.

2.03 To furnish a means of employing a hand generator for supplying ringing current to the attendant switchboard cord circuit in case of a failure of the central office or power ringing supply.

2.04 To supply ringing tone for the recorded dictation or the intercept and attendant trunk circuit.

3. CONNECTING CIRCUITS

3.01 552A, 552B, 552D, 552E or 605A Cord Circuit - SD-66198-01.

3.02 607A Cord Circuit - SD-66707-01.

3.03 607B Cord Circuit - SD-65670-01.

3.04 552A, 552B, 552D or 552E AUX. SIG. BCO, Buzzer, Fuse Alarm and Night Alarm Circuit - SD-65786-01.

3.05 605A Fuse, Night and Power Alarm Circuit - SD-66426-01.

3.06 607A or 607B Night Alarm Circuit - SD-66653-01.

3.07 701B, 711B and 740E Power Ringing Circuit - SD-81337-01.*

3.08 Central Office Ringing Leads Circuit SD-90230-01.

3.09 Central Office Ringing Leads Circuit SD-95667-01.

3.10 552A, 552D or 605A Tie Trunk Circuit SD-65654-01.*

3.11 701A, 701B, 711A, 711B or 740E Connector Circuit - SD-66144-01.*

3.12 552A, 552B, 552D, 552E or 605A Tie Trunk Circuit - SD-66029-01.*

3.13 552A, 552D or 605A Official PBX Trunk Circuit - SD-66326-01.*

3.14 Recorded Dictation Trunk Circuit - SD-66788-01.

3.15 605A, 701A, 711A, 701B or 711B Command Conference Circuit - SD-66693-01.

3.16 605A, 701A, 711A, 701B or 711B Crash Alarm Circuit - SD-66692-01.

3.17 701A, 711A, 701B, or 711B Manual or Dial Long Trunk Circuit - SD-66474-01.*

3.18 701A, 701B, 711A or 711B Incoming Connector Circuit - SD-66596-01.

3.19 701A, 711A, 701B, 711B or 740E Selector Connector Circuit - SD-65721-01.

3.20 Selector Intercept and Attendant's Trunk Circuit - SD-66716-01.*

3.21 Night Service Ckt. - SD-65894-01.*

*Typical

4. MANUFACTURING TESTING REQUIREMENTS

4.01 This circuit shall be capable of performing all functions specified in this circuit description.

SECTION IV - REASONS FOR REISSUE

D. DESCRIPTION OF CIRCUIT CHANGES

D.01 In CAD 19, leads 7 and 8 of (C) jack, changed to read as leads 7 ring G and 8 MR.

D.02 Drawing is reissued on a D no record change basis by agreement with Western Electric Company.

D.03 Rating of this drawing is changed to rate use with the 607A and 607B PBX switchboard A and M only, and use with the 605A PBX switchboard manufacture discontinued.

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(WECO 7120HW-RGB-JGW)
DEPT 5337-RAV