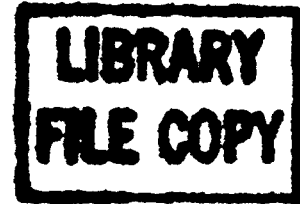


**ALPHABETIC-NUMERIC INDEX  
STATION, KEY, PBX, AND  
PRIVATE-SERVICE SYSTEMS**



**1. GENERAL**

**1.01** This section provides an alpha-numeric index of sections required for the installation and maintenance of customer product equipment and apparatus.

**1.02** This section is reissued to update the alpha-numeric index.

**1.03** This index combines the features of both alphabetic and numeric indexes. Sections can be located by referring first to the common nomenclature or ordering nomenclature, then referring to a major indention for the type of information such as Identification, Installation, Maintenance, Reference, Service, etc., and then to the alphabetical or numerical listing.

**1.04** Many of the section numbers in this index are preceded by a two letter symbol such as SA. This symbol indicates that the section is contained in a service manual in addition to the standard BSP files.

Here is a list of the symbols and the service manual to which they refer.

SA—Station Service Manual I  
SB—Station Service Manual II  
SC—Station Specialties Service Manual I  
SD—Station Specialties Service Manual II  
CA—Coin Service Manual I  
CB—Coin Service Manual II  
IA—Interconnect Service Manual I  
IB—Interconnect Service Manual II  
KA—Key Service Manual I  
KB—Key Service Manual II  
KC—Key Service Manual III  
PA—Dial PBX Service Manual

**NOTICE**

Not for use or disclosure outside the  
Bell System except under written agreement

**SECTION 460-000-006**

**AC-TYPE (USED WITH 220-, 226-, 2220-, AND 2226-TYPE HAND TELEPHONE SET)**

*Service*  
 Telephone Base SA502-322-400  
**ACCESS CIRCUIT (SD-4688-01)**  
 STATION—SEE STATION ACCESS CIRCUIT (SD-4688-01)  
**ACCESS LINE CIRCUIT (SD-4688-01);**  
 PBX—SEE PBX ACCESS LINE CIRCUIT (SD-4688-01)

**ACCESS LINE SHARING CIRCUIT;**  
 AUTOVON—SEE AUTOVON ACCESS LINE SHARING CIRCUIT

**ACCESS LINES (AUTOVON)**  
 PBX  
*General Description* 981-270-100

**ACCESS LINES; AUTOVON—SEE AUTOVON ACCESS LINES**

**ACCESS POINTS**  
*Building*  
 Dedicated Plant 462-600-200  
 Buried Plant  
 Dedicated Plant 462-600-200  
 Pole-Mounted  
 Dedicated Plant 462-600-200  
 Strand-Mounted  
 Dedicated Plant 462-600-200  
 Wall-Mounted  
 Dedicated Plant 462-600-200

**ACD—SEE AUTOMATIC CALL DISTRIBUTING SYSTEM**

**AD-TYPE (USED WITH 220-, 226-, 2220-, AND 2226-TYPE HAND TELEPHONE SET)**

*Service*  
 Telephone Base SA502-322-400

**ADAPTER; DIAL—SEE DIAL ADAPTER**

**ADAPTERS**  
*Identification*  
 Bridging, 3-Way KA461-200-102  
 D-180071 Kit of Parts 463-121-100  
 D-180072 Kit of Parts 463-121-100  
 146B 463-121-100  
 148B KA461-200-102  
 149B KA461-200-102  
 152A 461-200-103  
 153-Type KA461-200-102  
 155A 463-121-100  
 157A 463-121-100  
 258A KA461-200-102  
 259A, B KA461-200-102  
 285A 463-121-100  
 290A 463-121-100

*Installation*  
 152A 461-200-103

Connecting Block

*Maintenance*  
*Terminating*  
 Tools KA461-604-100  
 66-Type KA461-604-100

**ADDENDANT CONSOLE**  
*Description*  
 DIMENSION® PBX Private Branch Exchange 554-010-100

**ADDRESSABLE DATA SAGE/BUIC (PHASE-III)**  
*General Description* 981-272-100

**ADDRESSABLE DATA SAGE/BUIC (Cont)**

*Identification*  
*Maintenance*  
*Operation*  
 Site Control Circuit (SD-1G246-01) 480-510-106  
 Station Switching Circuit (SD-1G246-01) 480-510-106

**ADHESIVE CLIP**  
*General*  
 B 080-720-149

**ADJUNCT DIALS**  
*Connections*  
 2870A1  
 TOUCH-A-MATIC® Adjunct Dial SC501-164-201  
 2870B1M  
 TOUCH-A-MATIC® Adjunct Dial SC501-164-202  
 870A1  
 TOUCH-A-MATIC® Adjunct Dial SC501-164-201  
 870B1M  
 TOUCH-A-MATIC® Adjunct Dial SC501-164-202

*Identification*  
 2870A1  
 TOUCH-A-MATIC® Adjunct Dial SC501-164-201  
 2870B1M  
 TOUCH-A-MATIC® Adjunct Dial SC501-164-202  
 870A1  
 TOUCH-A-MATIC® Adjunct Dial SC501-164-201  
 870B1M  
 TOUCH-A-MATIC® Adjunct Dial SC501-164-202

*Installation*  
 2870A1  
 TOUCH-A-MATIC® Adjunct Dial SC501-164-201  
 2870B1M  
 TOUCH-A-MATIC® Adjunct Dial SC501-164-202  
 870A1  
 TOUCH-A-MATIC® Adjunct Dial SC501-164-201  
 870B1M  
 TOUCH-A-MATIC® Adjunct Dial SC501-164-202

*Maintenance*  
 2870A1  
 TOUCH-A-MATIC® Adjunct Dial SC501-164-201  
 2870B1M  
 TOUCH-A-MATIC® Adjunct Dial SC501-164-202  
 870A1  
 TOUCH-A-MATIC® Adjunct Dial SC501-164-201  
 870B1M  
 TOUCH-A-MATIC® Adjunct Dial SC501-164-202

*Operation*  
 2870A1  
 TOUCH-A-MATIC® Adjunct Dial SC501-164-201  
 2870B1M  
 TOUCH-A-MATIC® Adjunct Dial SC501-164-202  
 870A1  
 TOUCH-A-MATIC® Adjunct Dial SC501-164-201  
 870B1M  
 TOUCH-A-MATIC® Adjunct Dial SC501-164-202

**ADMINISTRATION DATA SYSTEM (FADS);**  
**FORCE—SEE FORCE ADMINISTRATION DATA SYSTEM (FADS)**  
**ADMINISTRATIVE DATA SYSTEM (FADS);**  
**FORCE—SEE FORCE ADMINISTRATIVE DATA SYSTEM (FADS)**

**AD1 (USING 23A COUPLER)**

*Connections*  
*Identification*  
*Installation*  
*Maintenance*  
*Operation*

Protective Connecting  
 Arrangement 463-340-105

**ALARM AND COMMAND CONFERENCE SYSTEMS;  
 CRASH—SEE CRASH ALARM AND COMMAND  
 CONFERENCE SYSTEMS**

**ALARM AND EMERGENCY TRANSFER CIRCUITS***Operation Tests*

761B Private Branch Exchange 551-730-501

**ALARM AND TRANSFER CIRCUIT***Circuit Tests*

756A Private Branch Exchange 551-153-501  
 761A Private Branch Exchange 551-710-501

**ALARM CIRCUIT***Maintenance Tests*

307 Switching System 480-714-306

*Operation Tests*

520-Type PBX Emergency  
 Reporting System 473-218-500

**ALARM CIRCUITS FOR CONTINUOUS TEST OF  
 STATION LINES; CRASH—SEE CRASH ALARM  
 CIRCUITS FOR CONTINUOUS TEST OF  
 STATION LINES**

**ALARM CIRCUITS; CRASH—SEE CRASH ALARM CIRCUITS****ALARM MARKER***Circuit Tests*

756A Private Branch Exchange 551-155-501

**ALARM, TRANSFER, AND TRAFFIC REGISTER CIRCUITS (SD-66734-01)***Operation Tests*

757A Private Branch Exchange 551-253-501

**ALARMS***Method of Tracing*

No. 3 Order Turret 475-300-310  
 No. 6A Order Turret 475-600-310  
 701A Private Branch Exchange 542-010-310  
 702A Private Branch Exchange 543-020-310  
 711A Private Branch Exchange 542-010-310  
 740A Private Branch Exchange 546-400-310  
 740AX Private Branch Exchange 546-400-310  
 740B Private Branch Exchange 546-400-310  
 740C Private Branch Exchange 546-400-310  
 740E Private Branch Exchange 546-404-311  
 750A Private Branch Exchange 548-500-310

*Operating Test*

758C Switching System 551-510-500

*Operation Tests*

2A Automatic Call Distributing  
 System 476-222-501  
 3A Automatic Call Distributing  
 System 476-305-501  
 3A Automatic Call Distributing  
 System 476-305-502  
 700C (Manual Switchboard and  
 Dial Equipment) Private Branch  
 Exchange 541-002-501  
 701A Private Branch Exchange 542-010-500  
 701B Private Branch Exchange 542-010-501  
 701PK Private Branch Exchange 542-015-501  
 702A Private Branch Exchange 543-020-500

**ALARMS (Cont)***Operation Tests (Cont)*

710C (Manual Switchboard and  
 Dial Equipment) Private Branch  
 Exchange 541-002-501  
 711A Private Branch Exchange 542-010-500  
 711B Private Branch Exchange 542-010-501  
 740A Private Branch Exchange 546-400-500  
 740AX Private Branch Exchange 546-400-500  
 740B Private Branch Exchange 546-400-500  
 740C Private Branch Exchange 546-400-500  
 740E Private Branch Exchange 546-404-501  
 750A Private Branch Exchange 548-500-500  
 755A Private Branch Exchange 550-550-500  
 758A Private Branch Exchange 551-410-500  
 758A/B Switching System 551-470-500  
 758B Private Branch Exchange 551-424-501  
 812A Private Branch Exchange 553-212-500

758C Switching System 551-569-500

**ALARMS AND PEG COUNT CIRCUIT***Operation Tests*

800A Private Branch Exchange 553-116-501

**ALARMS AND POWER FAILURE TRANSFER CIRCUITS***Operation Tests*

770A Private Branch Exchange 551-770-500

**ALARMS AND REGISTERS***Operation Tests*

757A Private Branch Exchange 551-258-501

**ALCOVE; DIRECTORY—SEE DIRECTORY ALCOVE****ALERTING SYSTEM**

10A

*General Description*

981-227-100

*Method of Operation*

Console 480-316-301

11A

*General Description*

981-228-100

*Overall Tests*

480-317-500

*Periodic Maintenance*

480-317-500

**ALERTING SYSTEM; GROUP—SEE GROUP ALERTING SYSTEM****AM; INDUCTOR, 1542A,—SEE INDUCTOR, 1542A, AM****AMPLIFIERS***Description*

292A 024-108-105

*Identification*

151-Type SA501-226-101  
 238-Type SA501-226-100  
 241-Type SA501-226-101  
 242-Type SA501-226-101  
 276-Type SA501-226-100  
 277-Type SA501-226-100  
 315-Type SA501-226-102  
 317A 501-226-105

*Installation*

238-Type SA501-226-100

276-Type SA501-226-100

277-Type SA501-226-100

317A 501-226-105

**SECTION 460-000-006**

**AMPLIFIERS (Cont)**

*Maintenance*

317A 501-226-105

KS-14990

*Identification*

1A Speakerphone System 512-610-100

1A1 Speakerphone System 512-610-100

Telephone Set Components

*Connections*

*Identification*

*Installation*

*Maintenance*

Customer-Owned Enclosures 501-420-102

**ANCHOR; DRIVE—SEE DRIVE ANCHOR**

**ANCHOR; PLASTIC—SEE PLASTIC ANCHOR**

**ANCHORS MACHINE BOLT**

*General*

080-720-114

**ANCHORS WALL SCREW**

*General*

B 080-720-115

**ANGLE SCREWS**

*General*

080-720-133

**ANNOUNCEMENT SET**

*Connections*

KS-16765L1, L2 SD514-210-200

*Identification*

KS-16765L1, L2 SD514-210-100

*Installation*

KS-16765L1, L2 SD514-210-200

*Maintenance*

KS-16765L1, L2 SD514-210-100

*Method of Connecting*

Miscellaneous Equipment

2A Automatic Call

Distributing System 476-215-210

*Operation*

KS-16765L1, L2 SD514-210-200

**ANNOUNCEMENT SYSTEMS**

8A

*Connections*

514-615-200

Using Announcement Set

KS-16765, L1 or Telephone

Answering Set 2-Type 514-610-100

*Identification*

514-615-100

Using Announcement Set

KS-16765, L1 or Telephone

Answering Set 2-Type 514-610-100

514-610-100

*Installation*

514-615-200

Using Announcement Set

KS-16765, L1 or Telephone

Answering Set 2-Type 514-610-100

514-610-100

*Operating Procedures*

Dual Channel Service 514-615-301

Single Channel Service 514-615-300

*Operation*

Using Announcement Set

KS-16765, L1 or Telephone

Answering Set 2-Type 514-610-100

9A

*Connections*

514-615-200

*Identification*

514-615-100

**ANNOUNCEMENT SYSTEMS (Cont)**

9A (Cont)

*Installation* 514-615-200

*Line-Up* 514-615-200

*Maintenance* 514-615-200

*Operating Procedures*

Dual Channel Service 514-615-301

Single Channel Service 514-615-300

**ANNOUNCEMENT TRUNK CIRCUIT**

(SD-65979-01)

*Operation Tests*

3A Automatic Call Distributing

System 476-321-501

**ANNOUNCEMENT TRUNK CIRCUIT**

(SD-67093-01)

*Operation Test*

758C Private Branch Exchange 551-527-500

**ANNUNCIATOR CIRCUIT**

*Operation Tests*

520-Type PBX Emergency

Reporting System 473-218-630

**ANSWER ANNOUNCEMENT CIRCUIT**

(SD-65971-01); DELAYED—SEE DELAYED

**ANSWER ANNOUNCEMENT CIRCUIT**

(SD-65971-01)

**ANSWERING ON INTERCOM; HANDS-FREE—SEE**

**HANDS-FREE ANSWERING ON INTERCOM**

**ANSWERING SERVICE; SECRETARIAL—SEE**

**SECRETARIAL ANSWERING SERVICE**

**ANSWERING SERVICE; TELEPHONE—SEE**

**TELEPHONE ANSWERING SERVICE**

**ANSWERING SET; TELEPHONE—SEE TELEPHONE**

**ANSWERING SET**

**ANSWERING SYSTEM; TELEPHONE—SEE**

**TELEPHONE ANSWERING SYSTEM**

**APARTMENT DOOR ANSWERING**

*Connections*

2755-Type

Telephone Set SD512-520-400

*Identification*

2755A, AM

Telephone Set SD512-520-100

*Installation*

2755A, AM

Telephone Set SD512-520-100

*Maintenance*

2755-Type

Telephone Set SD512-520-400

*Operation*

2755A, AM

Telephone Set SD512-520-100

**APPARATUS**

*Method of Making Test Connections* 069-131-811

**APPARATUS AND MATERIALS; TELEPHONE—SEE**

**TELEPHONE APPARATUS AND MATERIALS**

**APPARATUS ATTENDANT MODULAR STATION**

**700-TYPE**

*Connections*

756A Private Branch Exchange 551-124-210

**APPARATUS BLANKS**

*Identification*

501-110-100

**APPARATUS BOX**

*Identification*

105-Type KA463-140-100

113-Type 463-121-110

114-Type 463-121-110

**APPARATUS BOX (Cont)**

<i>Identification (Cont)</i>		
115-Type		463-121-115
118-Type		463-121-110
<i>Installation</i>		
105-Type		463-140-200
113-Type		463-121-110
114-Type		463-121-110
115-Type		463-121-115
118-Type		463-121-110
<b>APPARATUS CABINET (26-PLATE)</b>		
<i>Identification</i>		
Equipment Cabinet		KA463-140-100
<b>APPARATUS CABINET (45-PLATE)</b>		
<i>Identification</i>		
Equipment Cabinet		KA463-140-100
<b>APPARATUS FOR IMPAIRED HEARING, SPEECH, SIGHT; TELEPHONE—SEE TELEPHONE</b>		
<b>APPARATUS FOR IMPAIRED HEARING, SPEECH, SIGHT</b>		
<b>APPARATUS FOR NOISE LOCATIONS</b>		
Handset (G8-Type)		SA501-211-102
<b>APPARATUS MOUNTING</b>		
<i>Identification</i>		KA463-140-100
<i>Installation</i>		463-140-200
<i>Service</i>		
69B		
1A2 Key Telephone Systems		KB518-215-420
69D		
1A2 Key Telephone Systems		KB518-215-420
69G		
1A2 Key Telephone Systems		KB518-215-420
<b>APPARATUS MOUNTINGS</b>		
Noncoin Telephone Set		
<i>Identification</i>		
<i>Installation</i>		
<i>Maintenance</i>		
<i>Testing</i>		
F-60762		506-500-100
<b>APPARATUS SLIDE WIRE</b>		
<i>Cleaning and Lubricating Procedures</i>		069-365-801
<b>APPARATUS UNIT</b>		
<i>Connections</i>		
11A		
Customer-Owned Enclosures		501-415-101
11C		
Customer-Owned Enclosures		501-415-101
<i>Identification</i>		
11A		
Customer-Owned Enclosures		501-415-101
11C		
Customer-Owned Enclosures		501-415-101
12-Type		504-216-101
14-Type		504-216-101
<i>Installation</i>		
11A		
Customer-Owned Enclosures		501-415-101
11C		
Customer-Owned Enclosures		501-415-101
12-Type		504-210-201
14-Type		504-210-201
<i>Maintenance</i>		
11A		
Customer-Owned Enclosures		501-415-101

**APPARATUS UNIT (Cont)**

<i>Maintenance (Cont)</i>		
11C		
Customer-Owned Enclosures		501-415-101
12-Type		504-210-201
14-Type		504-210-201
<i>Selection</i>		
11A		
Customer-Owned Enclosures		501-415-101
11C		
Customer-Owned Enclosures		501-415-101
<b>APPARATUS; SELECTION OF—SEE SELECTION OF APPARATUS</b>		
<b>APPARATUS; STATION—SEE STATION APPARATUS</b>		
<b>AREA IDENTIFICATION EQUIPMENT</b>		
<i>Method of Connecting</i>		
Miscellaneous Equipment		
2A Automatic Call Distributing System		476-215-210
<b>ARM GUARD</b>		
Drop and Block Wiring Attachments		462-300-200
<b>ARRANGEMENT; CONNECTING—SEE CONNECTING ARRANGEMENT</b>		
<b>ARRANGEMENT; PICTUREPHONE® CONNECTING—SEE PICTUREPHONE® CONNECTING ARRANGEMENT</b>		
<b>ASSOCIATED APPARATUS; FOUNDATION AND—SEE FOUNDATION AND ASSOCIATED APPARATUS</b>		
<b>ASSOCIATED BANKS</b>		
<i>Cleaning and Treatment</i>		
Selectors		069-330-801
<b>ASSOCIATED EQUIPMENT</b>		
<i>Connections</i>		
<i>Identification</i>		
<i>Installation</i>		
<i>Tests</i>		
800A Private Branch Exchange		553-105-201
<b>ASSOCIATED FITTINGS; DUCTS AND—SEE DUCTS AND ASSOCIATED FITTINGS</b>		
<b>ATTACHMENT; CLEARANCE—SEE CLEARANCE ATTACHMENT</b>		
<b>ATTACHMENTS; TREE—SEE TREE ATTACHMENTS</b>		
<b>ATTENDANT AND STATION EQUIPMENT</b>		
<i>Connections</i>		
761A Private Branch Exchange		551-702-210
761B Private Branch Exchange		551-722-210
<i>Identification</i>		
761A Private Branch Exchange		551-702-210
761B Private Branch Exchange		551-722-210
<i>Installation</i>		
761A Private Branch Exchange		551-702-210
761B Private Branch Exchange		551-722-210
<i>Method of Operation</i>		
50A Customer Premises System		540-580-301
761A Private Branch Exchange		551-716-301
761B Private Branch Exchange		551-736-301
801A Private Branch Exchange		553-201-300
805A Private Branch Exchange		553-205-300
812A Private Branch Exchange B		553-212-300

**SECTION 460-000-006**

**ATTENDANT AND STATION EQUIPMENT WITH DIRECT TRUNK TERMINATION**

*Method of Operation*

770A Private Branch Exchange 551-770-301

**ATTENDANT AND STATION**

**EQUIPMENT—SWITCHED LOOP**

*Method of Operation*

770A Private Branch Exchange 551-770-302

**ATTENDANT CENTRAL OFFICE TRUNKS**

*Circuit Tests*

Relay Jack and Lamp  
700C (Manual Switchboard)  
Private Branch Exchange 541-004-666

*Operation Tests*

552A Private Branch Exchange 534-565-505  
552D Private Branch Exchange 534-565-505  
605A Private Branch Exchange 534-565-505

**ATTENDANT COMMON CIRCUITS**

*Operation Tests*

770A Private Branch Exchange 551-770-503

**ATTENDANT CONSOLE**

*Connections*

*Identification*

*Installation*

1A Telephone Answering System 473-609-210

**ATTENDANT CONSOLE (155A6E-03L);**

**AUTOVON—SEE AUTOVON ATTENDANT CONSOLE (155A6E-03L)**

**ATTENDANT CONTROLLED DIAL CONFERENCE**

**TRUNK CIRCUIT (SD-66881-01)**

*Operation and Transmission Tests*

757A Private Branch Exchange 551-275-503

**ATTENDANT DSS POSITION**

*Method of Connecting PBX to*

*Cross-Connecting Terminal*

House and Feeder Cables  
757A Private Branch  
Exchange 551-206-230

**ATTENDANT EQUIPMENT**

*Method of Operation*

1- and 2-Type or 21-, 41-, and  
51-Type Telephone Consoles with  
Switched Loop Operation  
Step-By-Step Private Branch  
Exchange 540-507-301

1-, 2-, 21-, 41-, or 51-Type  
Telephone Consoles with Direct  
Trunk Termination  
Step-By-Step Private Branch  
Exchange 540-507-300

*Method of Operation*

701A Private Branch Exchange 540-107-300  
701B Private Branch Exchange 540-107-300  
740E Private Branch Exchange 540-107-300

701A Private Branch Exchange 540-107-301

701B Private Branch Exchange 540-107-301

740E Private Branch Exchange 540-107-301

**ATTENDANT LINE CIRCUIT (SD-65977-01)**

*Operation Tests*

3A Automatic Call Distributing  
System 476-332-501

**ATTENDANT LINK, LOOP, AND CONTROLLER CIRCUIT (SD-66737-01)**

**ATTENDANT LINK, LOOP, AND CONTROLLER (Cont)**

*Operation Tests*

Incoming Call Identification  
and Trunk Group Busy Circuit  
Tests

757A Private Branch  
Exchange 551-263-501

**ATTENDANT LOOP CIRCUIT (SD-65813-01)  
AND POSITION CIRCUIT (SD-65814-01)**

*Operation Tests Using Jack Mounting (ED-60613-30)*

Step-By-Step Private Branch  
Exchange 540-570-501

**ATTENDANT LOOP CIRCUIT (SD-65830-01)**

*Operation Tests*

Step-By-Step Private Branch  
Exchange 540-570-502

**ATTENDANT MODULAR STATION 700-TYPE;  
APPARATUS—SEE APPARATUS ATTENDANT  
MODULAR STATION 700-TYPE**

**ATTENDANT SERVICE (CAS);**

**CENTRALIZED—SEE CENTRALIZED ATTENDANT  
SERVICE (CAS)**

**ATTENDANT SERVICE; CENTRALIZED—SEE  
CENTRALIZED ATTENDANT SERVICE**

**ATTENDANT TELEPHONE CONSOLE (POSITION  
NO. 1 DIRECT TRUNK TERMINATION)**

*Method of Connecting PBX to*

*Cross-Connecting Terminal*  
House and Feeder Cables  
757A Private Branch  
Exchange 551-206-215

**ATTENDANT TELEPHONE CONSOLE (1-3**

**SWITCHED LOOP TERMINATION)**

*Method of Connecting to*

*Cross-Connecting Terminal*  
House and Feeder Cables  
757A Private Branch  
Exchange 551-206-220

**ATTENDANT TELEPHONE POSITION**

*Method of Connecting*

10- or 11-Type Telephone  
Console  
3A Automatic Call  
Distributing System 476-303-410

12- or 14-Type Apparatus Unit  
3A Automatic Call  
Distributing System 476-303-410

*Operation Tests*

3A Automatic Call Distributing  
System 476-307-501

*Operation Tests Using Test Set (SD-65983-01, J53131AG)*

2A Automatic Call Distributing  
System 476-225-501

**ATTENDANT TRUNK (SD-65815-01)**

*Operation Tests*

701B Private Branch Exchange 540-540-500

**ATTENDANT TRUNK (SD-65964-01)**

*Operation Tests*

3A Automatic Call Distributing  
System 476-325-501

**ATTENDANT TRUNK CIRCUIT (SD-65793-01)**

*Operation Tests*

700C Private Branch Exchange 540-540-505

701A Private Branch Exchange 540-540-505

**ATTENDANT TRUNK CIRCUIT (SD-65793-01) (Cont)**

<i>Operation Tests (Cont)</i>	
701B Private Branch Exchange	540-540-505
702A Private Branch Exchange	540-540-505
740E Private Branch Exchange	540-540-505

**ATTENDANT TRUNK CIRCUIT (SD-65808-01)**

<i>Operation Tests</i>	-
Step-By-Step Private Branch Exchange	540-540-503

**ATTENDANT TRUNKS**

<i>Circuit Tests</i>	
Jack and Lamp	
700C (Manual Switchboard)	
Private Branch Exchange	541-004-665
<i>Operation Tests</i>	
756A Private Branch Exchange	551-182-501

**ATTENDANT 3-WIRE CONNECTORS**

(SD-66643-01 AND SD-66644-01)

<i>Operation Tests</i>	
702A Private Branch Exchange	543-020-521

**ATTENDANT 3-WIRE CONNECTORS**

(SD-66663-01 AND SD-66664-01)

<i>Operation Tests</i>	
702A Private Branch Exchange	543-020-520

**ATTENDANT, CALL, ANSWER, AND SWITCHING**

WITH ROTARY DIAL; CONSOLE—SEE CONSOLE

ATTENDANT, CALL, ANSWER, AND SWITCHING

WITH ROTARY DIAL

**ATTENUATORS**

<i>Procedures for Cleaning and Treatment</i>	069-321-801
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**AUDIBLE AND VISUAL SIGNALING**

Key Telephone Unit	
<i>Connections</i>	
<i>Identification</i>	
227A	KB518-310-401
227B	KB518-310-401

**AUTOMATIC CALL DISTRIBUTING SYSTEM**

<i>Connection</i>	
Traffic Usage Recorder 3B	476-100-104
<i>Description</i>	
Test Set (KS-21055 NATIS)	476-100-101
Traffic Usage Recorder 3B	476-100-104
<i>Installation</i>	
Test Set (KS-21055 NATIS)	476-100-101
Traffic Usage Recorder 3B	476-100-104
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2A	
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**AUTOMATIC CALL DISTRIBUTING SYSTEM (Cont)**

2A (Cont)

<i>General Description</i>	981-235-100
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**AUTOMATIC CALL DISTRIBUTING SYSTEM (Cont)**

2B

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3A

Connections	
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Distribution	
Force Administration Data System (FADS)	476-100-106
General Description	981-236-100
Installation	
Force Administration Data System (FADS)	476-100-106
Method of Connecting	
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Alarms	476-305-502
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Auxiliary Incoming Trunk Circuit (SD-1E070-01)	476-332-501
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**AUTOMATIC CALL DISTRIBUTING SYSTEM (Cont)**

3A (Cont)

Operation Tests (Cont)

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Operation Tests from Selector Levels using Dial Hand Test Set	
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4A

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**AUTOMATIC CALL DISTRIBUTORS (ACD)**

2-Type

Adjustments	
Requirements	
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KS-12068, L7	
Recorder Reproducer	476-100-701
Trunk Identification	
Announcement Amplifiers	476-100-701

3-Type

Adjustments	
Requirements	
Trouble Analysis	
KS-12068, L7	
Recorder Reproducer	476-100-701
Trunk Identification	
Announcement Amplifiers	476-100-701

**AUTOMATIC DIALER**

Connections



**AUTOMATIC DIALER (Cont)**

*Connections (Cont)*

KS-19594  
Switchboard and  
Miscellaneous Key Equipment SD512-125-430  
Telephone Sets with Rotary  
Dials SD512-125-400  
Telephone Sets with  
TOUCH-TONE® Dials SD512-125-410

*Description*

KS-19594 512-125-100

*Installation*

KS-19594 512-125-200

*Maintenance*

KS-19594 SD512-125-300

*Operation*

KS-19594 512-125-100

**RAPIDIAL Automatic Dialer**

*Connections*

*Identification*

*Installation*

*Maintenance*

KS-16844 SC512-115-100

**TELARAPID Automatic Dialer**

*Connections*

*Description*

*Installation*

*Maintenance*

TR350-Type 512-110-100

125-Type 512-110-100

**AUTOMATIC DRILL**

*General*

B

080-115-101

**AUTOMATIC NUMBER IDENTIFICATION (ANI)**

**CIRCUIT (SD-1E505-01)**

*Operation Tests*

ANI Alarm and Message Registers

770A Private Branch  
Exchange 534-600-501

801A Private Branch  
Exchange 534-600-501

812A Private Branch  
Exchange 534-600-501

*Trouble Locating Information Using*

*Test Set J59204AJ*

770A Private Branch Exchange 534-600-301

801A Private Branch Exchange 534-600-301

812A Private Branch Exchange 534-600-301

*Verification Procedures*

ANI Alarm and Message

Registers

770A Private Branch  
Exchange 534-600-501

801A Private Branch  
Exchange 534-600-501

812A Private Branch  
Exchange 534-600-501

**AUTOMATIC NUMBER IDENTIFICATION**

**(SD-1E505-01)**

*General Descriptive Information*

Private Branch Exchange 981-013-100

**AUTOMATIC NUMBER IDENTIFICATION**

**CIRCUIT (SD-1E007-01)**

*Connections*

757A Private Branch Exchange 551-236-210

**AUTOMATIC NUMBER IDENTIFICATION (Cont)**

*General Maintenance Procedures*

757A Private Branch Exchange 551-258-300

*Identification*

757A Private Branch Exchange 551-236-210

*Installation*

757A Private Branch Exchange 551-236-210

*Maintenance*

Step-By-Step Private Branch  
Exchange 540-518-300

*Manual Verification*

Step-By-Step Private Branch  
Exchange 540-518-305

*Manual Verification Procedures*

757A Private Branch Exchange 551-258-305

*Operation Tests*

Step-By-Step Private Branch  
Exchange 540-518-501

757A Private Branch Exchange 551-258-501

*Trouble Locating Procedures*

Step-By-Step Private Branch  
Exchange 540-518-302

*Trouble Locating Procedures Using*

*Test Set J58853J (SD-1E056-01) and*

*Tektronix Oscilloscope Model 221T*

*(Type 453 or 453A)*

Step-By-Step Private Branch  
Exchange 540-518-303

*Trouble Locating Procedures Using*

*Test Set (SD-1E056-01, J58853J) and*

*716C Test Receiver*

757A Private Branch Exchange 551-258-302

*Trouble Locating Procedures Using*

*Test Set (SD-1E056-01, J58853J) and*

*Tektronix Oscilloscope Model 221T*

*(Type 453)*

757A Private Branch Exchange 551-258-303

*Verification*

Step-By-Step Private Branch  
Exchange 540-518-304

*Verification Procedures*

Step-By-Step Private Branch  
Exchange 540-518-306

*Verification Procedures Using Test*

*Set J58853J (SD-1E056-01)*

757A Private Branch Exchange 551-258-304

**AUTOMATIC SELECTION AND AUXILIARY**

**TRUNK CIRCUIT (FOR OUTWARD SERVICE**

**FROM ATTENDANT POSITION SD-66790-01)**

*Operation Tests Using Test Set*

*(SD-65983-01, J53131AG)*

2A Automatic Call Distributing  
System 476-243-501

**AUTOMATIC TIE TRUNK UNIT (J59013J)**

*Connections*

*Identification*

*Installation*

557A Private Branch Exchange 473-601-201

**AUTOMATIC TRUNK LEVEL CIRCUITS**

**PBX and Key Telephone Applications**

*Connections*

*Identification*

*Installation*

*Maintenance*

*Operation*

DCK

IA463-332-100

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**AUTOMATIC TRUNK LEVEL CIRCUITS (Cont)**

PBX and Key Telephone Applications (Cont)

*Operation (Cont)*

DCL IA463-332-100

**AUTOVON ACCESS LINE SHARING CIRCUIT**

*Description*

*Lineup*

*Testing*

306 Switching System 480-713-501

**AUTOVON ACCESS LINES**

*Initial Lineup*

*Maintenance*

812A Private Branch Exchange 480-801-500

**AUTOVON ATTENDANT CONSOLE**

**(155A6E-03L)**

*Method of Operation*

812A Private Branch Exchange 480-801-300

**AUTOVON OPTION**

*Method of Operation*

770A Private Branch Exchange 551-770-304

**AUTOVON SERVICE**

400 DIMENSION® Private Branch Exchange 554-010-135

**AUXILIARY CABINET, J58849C**

*Connections*

*Identification*

*Installation*

*Tests*

800A Private Branch Exchange 553-105-201

**AUXILIARY EQUIPMENT**

*Connections*

*Identification*

*Installation*

801A Private Branch Exchange 553-201-202

805A Private Branch Exchange 553-205-202

**AUXILIARY INCOMING TRUNK CIRCUIT**

**(SD-1E070-01)**

*Operation Tests*

3A Automatic Call Distributing System 476-332-501

**AUXILIARY INCOMING TRUNK CIRCUIT**

**(SD-66896-01)**

*Connections*

*Identification*

*Installation*

757A Private Branch Exchange 551-234-212

**AUXILIARY INCOMING TRUNK UNITS**

*Method of Connecting*

Miscellaneous Equipment

2A Automatic Call

Distributing System

476-215-210

**AUXILIARY LINE CIRCUIT (SD-65799-01)**

*Operation Tests*

701A Private Branch Exchange 540-188-501

701B Private Branch Exchange 540-188-501

740E Private Branch Exchange 540-188-501

**AUXILIARY POSITION CIRCUIT**

**(SD-66874-01) (A&M)**

*Operation Tests*

757A Private Branch Exchange 551-281-501

**AUXILIARY POSITION CIRCUIT FOR REMOTE**

**TRUNK ANSWERING (SD-66910-01)**

*Operation Tests*

756A Private Branch Exchange 551-166-501

**AUXILIARY POSITION CIRCUIT**

**(SD-66874-01) (NON-PLUG-IN**

**ARRANGEMENT)**

*Connections*

*Identification*

*Installation*

757A Private Branch Exchange 551-234-211

**AUXILIARY POSITION CIRCUIT**

**(SD-66874-01) (PLUG-IN ARRANGEMENT)**

*Connections*

*Identification*

*Installation*

757A Private Branch Exchange 551-234-215

**AUXILIARY POWER SUPPLY (SD-5E039-01)**

*Connections*

*Identification*

*Installation*

For Interface Trunk Circuit (SD-66926-01) 473-138-210

For Recorded Telephone

Dictation Trunk 473-138-210

**AUXILIARY SIGNALS**

*Identification*

KS-16301L3, L4, L8 SA463-110-100

KS-8547L1, L2, L3, L4 SA463-110-100

Back Box

*Identification*

KS-16301L9, L11, L19 SA463-110-100

Bells

*Identification*

SA463-110-100

Chime

*Identification*

KS-16301, L1 SA463-110-100

KS-8229L13, L14, L15, L23 SA463-110-100

Horns

*Identification*

KS-16301L2, L5, L6 SA463-110-100

Relay

*Identification*

KS-16301L15, L16, L17 SA463-110-100

KS-20614 SA463-110-100

**AUXILIARY TIE TRUNK CIRCUIT**

**(SD-66765-01)**

*Operation Tests*

757A Private Branch Exchange 551-294-501

**AUXILIARY TRUNK CIRCUIT (FOR OUTWARD SERVICE FROM SWITCHBOARD TO CENTRAL OFFICE)**

*Operation Tests Using Test Set*

*(SD-65983-01, J53131AG)*

2A Automatic Call Distributing System 476-249-501

**AUXILIARY TRUNK CIRCUIT (SD-65972-01)**

*Operation Tests*

3A Automatic Call Distributing System 476-332-501

**AUXILIARY TRUNK CIRCUIT (SD-67075-01)**

*Circuit Tests*

758A Private Branch Exchange 551-415-500

758C Private Branch Exchange 551-542-500

**AUXILIARY TRUNK CIRCUITS (SD-66896-01 FOR E AND M LEAD SIGNALING)**

*Operation Tests*

757A Private Branch Exchange 551-295-501



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**BINDING POST CUTTER**

*Description*

B

081-760-115

**BIT PERFORMANCE MONITOR**

*Description*

758C Switching System

551-560-100

*Maintenance Procedures*

758C Switching System

551-560-300

*Method of Operation*

758C Switching System

551-560-100

**BIT; WRAPPING—SEE WRAPPING BIT**

**BLANKS; APPARATUS—SEE APPARATUS**

**BLANKS**

**BLOCK WIRING; DROP AND—SEE DROP AND**

**BLOCK WIRING**

**BLOCK; CONNECTING—SEE CONNECTING**

**BLOCK**

**BLOCK; MATRIX—SEE MATRIX BLOCK**

**BLOCK; 82-TYPE CONNECTING—SEE 82-TYPE**

**CONNECTING BLOCK**

**BLOWER UNIT; LIGHT AND—SEE LIGHT AND**

**BLOWER UNIT**

**BODY BELT**

*Description*

*Use*

B

SB081-720-101

**BODY BELT; CUSHION—SEE CUSHION BODY**

**BELT**

**BODY BELT; FABRIC—SEE FABRIC BODY**

**BELT**

**BODY BELT; LEATHER—SEE LEATHER BODY**

**BELT**

**BOFADS—SEE BUSINESS OFFICE FORCE**

**ADMINISTRATIVE DATA SYSTEM (BOFADS)**

**BOLT; TOGGLE—SEE TOGGLE BOLT**

**BOOTH**

Electric Grounding and Wiring

Requirements

*Metal*

CB508-100-100

Indoor

*Identification*

KS-19206

CB508-202-100

KS-19340

508-201-100

KS-19442

CB508-204-100

KS-20630

508-203-100

10-Type

508-200-100

11-Type

508-200-100

5-Type

508-200-100

6-Type

508-200-100

*Installation*

KS-19206

CB508-202-100

KS-19340

508-201-100

KS-19442

CB508-204-100

KS-20630

508-203-100

*Maintenance*

KS-19206

CB508-202-100

KS-19340

508-201-100

KS-19442

CB508-204-100

KS-20630

508-203-100

Indoor-Outdoor

*Identification*

*Installation*

*Maintenance*

KS-16797

CB508-300-100

KS-19425

Universal II

CB508-301-100

**BOOTH (Cont)**

Outdoor

*Conversion of KS-14611L2 (MD)*

*Calling Assembly Type to L3*

KS-14611

CB508-401-100

*Identification*

KS-14611

CB508-401-100

KS-19580 (Airlight II and IIA)

CB508-402-100

KS-21716 (Airlight III)

CB508-403-100

9-Type

508-400-100

*Installation*

KS-14611

CB508-401-100

KS-19580 (Airlight II and IIA)

CB508-402-100

KS-21716 (Airlight III)

CB508-403-100

9-Type

508-400-100

*Maintenance*

KS-14611

CB508-401-100

KS-19580 (Airlight II and IIA)

CB508-402-100

KS-21716 (Airlight III)

CB508-403-100

9-Type

508-400-100

Outdoor Diamond Kiosk

*Identification*

*Installation*

*Maintenance*

KS-20255

CB508-430-100

**BOOTH AND SHELF**

*Cleaning*

508-100-101

**BOOTH—SEE ALSO PUBLIC TELEPHONE**

**BORING BIT; WOOD—SEE WOOD BORING BIT**

**BOX TERMINAL; WALL—SEE WALL BOX**

**TERMINAL**

**BOX; APPARATUS—SEE APPARATUS BOX**

**BRACKET; CORNER—SEE CORNER BRACKET**

**BRACKET; HOUSE—SEE HOUSE BRACKET**

**BRACKET; MOUNTING—SEE MOUNTING**

**BRACKET**

**BRACKET; SIGN—SEE SIGN BRACKET**

**BRACKETS**

*Mounting Buzzers in Telephone Sets*

SA501-120-100

*Mounting Pushbutton Signaling Keys*

*on Telephone Sets*

75A

463-215-100

76A

463-215-100

77A

463-215-100

**BRAID STRIPPER**

*Description*

*Maintenance*

C

081-760-100

**BRANCH EXCHANGE B; PRIVATE—SEE PRIVATE**

**BRANCH EXCHANGE B**

**BRANCH EXCHANGE; PRIVATE—SEE PRIVATE**

**BRANCH EXCHANGE**

**BRIDGING CONNECTORS**

Drop and Block Wiring

462-030-115

**BRIDLE TOGGLE RING**

*General*

080-720-117

**BRIDLE; RING—SEE RING BRIDLE**

**BRILLING INFORMATION TRANSMITTER (BIT)**

*Description*

*Method of Operation*

758C Switching System

551-560-100

**BRUSH TIPS; FEEDER—SEE FEEDER BRUSH**

**TIPS**

**BURIED WIRE TERMINATIONS***Reference*

Buried Plant General

*Precautions*

SB460-300-143

**BUSINESS INTERPHONE—SEE COMMUNICATION SYSTEM****BUSINESS OFFICE FORCE ADMINISTRATIVE DATA SYSTEM (BOFADS)***Connections**Description**Identification**Installation**Tests*

1A1 Key Telephone Systems

476-360-101

1A2 Key Telephone Systems

476-360-101

**BUSINESS PHONE TRAINER***Description**Maintenance*

KS-21102

473-401-100

KS-21564

473-401-101

**BUSY TONE TRUNK***Operation Tests*

756A Private Branch Exchange

551-185-501

757A Private Branch Exchange

551-285-501

**BUSY-TONE TRUNK (SD-65919-01)***Operation Test*

758A/B Switching System

551-470-506

*Operation Tests*

758B Private Branch Exchange

551-442-501

**BUTTONS; COLORED—SEE COLORED BUTTONS****BUZZERS AND BELLS***Reference*

SA501-120-100

**CABINET (26-PLATE); APPARATUS—SEE****APPARATUS CABINET (26-PLATE)****CABINET (45-PLATE); APPARATUS—SEE****APPARATUS CABINET (45-PLATE)****CABINET FLOOR-SUPPORTED (PER****ED-69488-50, GROUP 1)***Identification*

Equipment Cabinet

KA463-140-100

**CABINET; DIRECTORY—SEE DIRECTORY****CABINET****CABINET; EQUIPMENT—SEE EQUIPMENT****CABINET****CABINET; FLOOR-SUPPORTED—SEE****FLOOR-SUPPORTED CABINET****CABINET, J58849C; AUXILIARY—SEE****AUXILIARY CABINET, J58849C****CABINETS; SWITCHING—SEE SWITCHING****CABINETS****CABLE***Marking Physical Location*

KA460-110-130

**CABLE CLASP***General*

080-720-147

**CABLE EQUALIZERS***Description*

Key Telephone System

Initial Service (Phase 0)

PICTUREPHONE® Service

(Baseband Video

Transmission)

518-800-103

*Video Loop Facility Alignment*

Initial Service (Phase 0)

PICTUREPHONE® Service (Baseband

Video Transmission)

518-800-510

**CABLE EQUALIZERS (Cont)***Video Loop Facility Trouble**Location*

Initial Service (Phase 0)

PICTUREPHONE® Service (Baseband

Video Transmission)

518-800-512

**CABLE REEL; CARRIER—SEE CARRIER CABLE REEL****CABLE STRIPPER***Description*

081-780-102

**CABLE TERMINAL BOX***Identification**Installation**Wiring*

G-Type

461-601-100

**CABLE; WIRE AND—SEE WIRE AND CABLE CABLES***Protection of Installation*

720-Type

069-100-811

721-Type

069-100-811

**CABLES; CONNECTOR—SEE CONNECTOR****CABLES****CABLING; WIRING AND—SEE WIRING AND CABLING****CALL DIRECTOR® TELEPHONE***Connections*

2630-Type

4A Speakerphone System

SD512-730-400

2631-Type

4A Speakerphone System

SD512-730-400

2632-Type

4A Speakerphone System

SD512-730-400

2634-Type

4A Speakerphone System

SD512-730-400

630-Type

4A Speakerphone System

SD512-730-400

631-Type

4A Speakerphone System

SD512-730-400

632-Type

4A Speakerphone System

SD512-730-400

634-Type

4A Speakerphone System

SD512-730-400

635-Type

4A Speakerphone System

SD512-730-400

*General*

Colored Buttons

463-210-110

*Selection*

CALL DIRECTOR® Telephone

Telephone Set

502-000-010

*Telephone Set**Reference*

1630-Type

502-602-100

1631-Type

502-602-100

1632-Type

502-602-100

1634-Type

502-602-101

1635-Type

502-602-101

1636-Type

502-602-101

1637-Type

502-602-101

1638-Type

502-602-101

1639-Type

502-602-101

2630-Type

502-603-100

2631-Type

502-603-100

2632-Type

502-603-100

2634-Type

502-603-101

2635-Type

502-603-101

2636-Type

502-603-101

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**CALL DIRECTOR® TELEPHONE (Cont)**

Telephone Set (Cont)

Reference (Cont)

2637-Type	502-603-101
2638-Type	502-603-101
2639-Type	502-603-101
2682-Type	502-603-101
2683-Type	502-603-101
608-Type	502-601-101
609-Type	502-601-102
617-Type	502-601-102
618-Type	502-601-101
625-Type	502-601-102
630-Type	502-601-100
631-Type	502-601-100
632-Type	502-601-100
634-Type	502-601-101
635-Type	502-601-101
636-Type	502-601-101
637-Type	502-601-101
638-Type	502-601-101
639-Type	502-601-101
682-Type	502-601-101
683-Type	502-601-101
<i>Service</i>	
1630D	502-611-400
1631D	502-611-400
1632C	502-611-401
1634	502-611-402
1635	502-611-402
1636C	502-611-403
1637C	502-611-403
1638C	502-611-404
1639D	502-611-404
2630D	KA502-612-400
2630DA, DAM	KA502-612-401
2631D	KA502-612-400
2631DA, DAM	KA502-612-401
2632C	502-612-402
2634D	KA502-612-403
2634DA	KA502-612-409
2634DAM	KA502-612-409
2635D	KA502-612-403
2635DA	KA502-612-409
2635DAM	KA502-612-409
2636C	KA502-612-404
2636CA, CAM	KA502-612-410
2637D	KA502-612-404
2637DA, DAM	KA502-612-410
2638C	502-612-405
2638CA, CAM	502-612-411
2639D	502-612-405
2639DA, DAM	502-612-411
2682AA, AAM	502-612-425
2683AA, AAM	502-612-425
608B, C	502-610-400
609A, B	502-610-401
617A, B	502-610-402
618A, B	502-610-400
621A	502-610-403
622A	502-610-404
625A1	502-610-405
630A, B, C, D	KA502-610-406
630DA, DAM	KA502-610-407
631A, B, C, D	KA502-610-406
631DA, DAM	KA502-610-407

**CALL DIRECTOR® TELEPHONE (Cont)**

Telephone Set (Cont)

Service (Cont)

632A, C	502-610-408
634A, B, C, D	KA502-610-409
634DA, DAM	KA502-610-417
635A, C, D	KA502-610-409
635DA, DAM	KA502-610-417
636A, B, C	KA502-610-410
636CA, CAM	KA502-610-418
637A, B, C, D	KA502-610-410
637DA, DAM	KA502-610-418
638A, B, C	502-610-411
638CA, CAM	502-610-419
639A, C, D	502-610-411
639DA, DAM	502-610-419
682AA, AAM	502-610-412
683AA, AAM	502-610-412
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Reporting/Answering Bureaus	473-310-103
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<b>DISTRIBUTING SYSTEM</b>	
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<b>INCOMING CALL IDENTIFICATION AND TRUNK</b>	
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Description	
Method of Operation	
758C Switching System	551-568-300

<b>CALL PROGRESS INDICATOR</b>			
<i>Method of Operation</i>			
757A Private Branch Exchange	551-272-301		
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<i>Operation Tests</i>			
757A Private Branch Exchange	551-272-501		
<b>CALL PROGRESS INDICATOR (SD-67058-01)</b>			
<i>Operation Tests</i>			
758C Private Branch Exchange	551-512-500		
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<i>Operation Tests</i>			
520-Type PBX Emergency Reporting System	473-218-520		
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701B Private Branch Exchange	540-516-300		
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Telephone Set			
<i>Connections</i>			
F-58554	502-690-100		
F-58555	502-690-101		
<i>Identification</i>			
F-58554	502-690-100		
F-58555	502-690-101		
<i>Installation</i>			
F-58554	502-690-100		
F-58555	502-690-101		
<i>Maintenance</i>			
F-58554	502-690-100		
F-58555	502-690-101		
<i>Reference</i>			
2660A1M	502-603-121		
2662A1M	502-603-131		
660A1M	502-601-121		
662A1M	502-601-131		
<i>Service</i>			
1660-Type	502-618-400		
1662-Type	502-618-402		
1663-Type	502-618-403		
1664-Type	502-618-404		
2660-Type	SC502-619-400		
2660A1M	SB502-619-405		
2662-Type	SC502-619-402		
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Telephone Set (Cont)			
<i>Service (Cont)</i>			
2662A1M		SC502-619-406	
2663A1		SC502-619-403	
2664-Type		502-619-404	
660-Type		SC502-617-400	
660A1M		SC502-617-405	
661-Type		502-617-401	
662-Type		SC502-617-402	
662A1M		SC502-617-406	
663-Type		SC502-617-403	
664-Type		502-617-404	
<b>CARD DIALER (0-1 BUTTON)</b>			
Telephone Set			
<i>Reference</i>			
1660-Type		502-602-120	
1663-Type		502-602-120	
2660-Type		502-603-120	
2663-Type		502-603-120	
660-Type		502-601-120	
663-Type		502-601-120	
<b>CARD DIALER (6-BUTTON)</b>			
Telephone Set			
<i>Reference</i>			
1662-Type		502-602-121	
1664-Type		502-602-121	
2662-Type		502-603-130	
2664-Type		502-603-130	
661-Type		502-601-130	
662-Type		502-601-130	
664-Type		502-601-130	
<b>CARD FRAME</b>			
<i>Identification</i>			
<i>Installation</i>			
KS-19928		CB508-811-100	
<b>CARD WRITING UNIT</b>			
2-Type			
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No. 101 Electronic Switching System		240-315-701	
<b>CARRIER CABLE REEL</b>			
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R-3953		075-145-301	
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<b>CAU (USING KS-20445 CONTROL UNIT)</b>			
<i>Connections</i>			
<i>Identification</i>			
<i>Installation</i>			
<i>Maintenance</i>			
<i>Operation</i>			
Voice Connecting Arrangement		IA463-340-100	
<b>CBF</b>			
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<i>Identification</i>			
<i>Installation</i>			
<i>Maintenance</i>			
<i>Operation</i>			
Protective Connecting Arrangement		IB463-350-104	

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<b>CBF (CONNECTING ARRANGEMENT)</b>		
Connections		
Identification		
Installation		
Maintenance		
Operation		
Protective Connecting Arrangement	IB463-350-106	
<b>CDA (ISU F-58003 AND ASSOCIATED F-58004 KTU AND F-58015 CONSOLE)</b>		
Identification		
Installation		
Maintenance		
Operation		
Voice Connecting Arrangement	IB463-350-100	
<b>CDA (USING 700A-TYPE ISU)</b>		
Connections		
Identification		
Installation		
Maintenance		
Operation		
Voice Connecting Arrangement	463-350-101	
<b>CDB (USING F-58005 IU)</b>		
Connections		
Identification		
Installation		
Maintenance		
Method of Operation		
Voice Connecting Arrangement	463-331-100	
<b>CDB (USING J53050A, L1)</b>		
Connections		
Identification		
Installation		
Maintenance		
Method of Operation		
Voice Connecting Arrangement	IA463-331-101	
<b>CDH (FOR 2-WAY GROUND START CO TRUNKS)</b>		
Connections		
Identification		
Installation		
Maintenance		
Operation		
Protective Connecting Arrangement	IB463-350-104	
<b>CDN (USING 111A IU)</b>		
Connections		
Identification		
Installation		
Maintenance		
Method of Operation		
Voice Connecting Arrangement	IA463-311-103	
<b>CDQ2W (2-WAY DIAL REPEATING)</b>		
Connections		
Identification		
Installation		
Maintenance		
Operation		
PBX Tie Trunk Interconnecting Arrangement Protective Connecting Arrangement	IB463-360-101	
<b>CDQ2X (2-WAY DIAL REPEATING)</b>		
Connections		
Identification		
<b>CDQ2X (2-WAY DIAL REPEATING) (Cont)</b>		
Installation		
Maintenance		
Operation		
PBX Tie Trunk Interconnecting Arrangement Protective Connecting Arrangement	IB463-360-101	
<b>CDQ4W (2-WAY DIAL REPEATING)</b>		
Connections		
Identification		
Installation		
Maintenance		
Method of Operation		
Protective Connecting Arrangement	IB463-360-100	
<b>CDQ4X (2-WAY DIAL REPEATING)</b>		
Connections		
Identification		
Installation		
Maintenance		
Method of Operation		
Protective Connecting Arrangement	IB463-360-100	
<b>CDX (USING 31A VOICE COUPLER)</b>		
Connections		
Identification		
Installation		
Maintenance		
Voice Connecting Arrangement	IA463-331-104	
<b>CDY (PICK-UP BUTTON, BELL SYSTEM TEL SET)</b>		
Connections		
Identification		
Installation		
Maintenance		
Operation		
Voice Connecting Arrangement	IA463-312-100	
<b>CD4 (USING 31B VOICE COUPLER)</b>		
Connections		
Identification		
Installation		
Maintenance		
Method of Operation		
Voice Connecting Arrangement	IA463-331-103	
<b>CD5 (USING 111A IU)</b>		
Connections		
Identification		
Installation		
Maintenance		
Method of Operation		
Voice Connecting Arrangement	IA463-311-103	
<b>CD6 (USING 108A IU)</b>		
Connections		
Identification		
Installation		
Maintenance		
Operation		
Voice Connecting Arrangement	IB463-350-105	
<b>CD7 (1-WAY OUTGOING MANUAL SERVICE)</b>		
Connections		
Identification		
Installation		
Maintenance		
Operation		
Protective Connecting Arrangement	IB463-350-106	



<b>CD8 (1-WAY OUTGOING AUTOMATIC SERVICE)</b>			
Connections			
Identification			
Installation			
Maintenance			
Operation			
Protective Connecting Arrangement	IB463-350-106		
<b>CD9 (2-WAY LOOP MANUAL SERVICE)</b>			
Connections			
Identification			
Installation			
Maintenance			
Operation			
Protective Connecting Arrangement	IB463-350-106		
<b>CEBAV (USING 111A IU)</b>			
Connections			
Identification			
Installation			
Maintenance			
Method of Operation			
Voice Connecting Arrangement	IA463-311-106		
<b>CEBAW (USING 111A IU)</b>			
Connections			
Identification			
Installation			
Maintenance			
Method of Operation			
Voice Connecting Arrangement	IA463-311-106		
<b>CEBAX (USING 111A IU)</b>			
Connections			
Identification			
Installation			
Maintenance			
Method of Operation			
Voice Connecting Arrangement	IA463-311-104		
<b>CEBBX (USING 111A IU)</b>			
Connections			
Identification			
Installation			
Maintenance			
Method of Operation			
Voice Connecting Arrangement	IA463-311-104		
<b>CED (USING 101A IU)</b>			
Connections			
Identification			
Installation			
Maintenance			
Method of Operation			
Protective Connecting Arrangement	IB463-350-107		
<b>CEK (USING J5305E IU)</b>			
Connections			
Identification			
Installation			
Maintenance			
Method of Operation			
Voice Connecting Arrangement	IA463-380-100		
<b>CENTRAL OFFICE TRUNK (2-WAY)</b>			
Operation Tests			
756A Private Branch Exchange	551-188-501		
757A Private Branch Exchange	551-293-501		
<b>CENTRAL OFFICE TRUNK (2-WAY, SD-5E006-01)</b>			
Operation Tests			
Step-By-Step Private Branch Exchange	540-540-510		
<b>CENTRAL OFFICE TRUNK (2-WAY, SD-65850-01)</b>			
Operation Tests			
Step-By-Step Private Branch Exchange	540-540-502		
<b>CENTRAL OFFICE TRUNK (2-WAY, SD-65895-01)</b>			
Operation Tests			
Step-By-Step Private Branch Exchange	540-540-509		
<b>CENTRAL OFFICE TRUNK CIRCUITS (SD-99362-01, SD-98051-01)</b>			
Operation Tests			
520-Type PBX Emergency Reporting System	473-218-665		
<b>CENTRAL OFFICE TRUNKS AND TIE TRUNKS</b>			
Operation Tests			
740A Private Branch Exchange	546-400-665		
740AX Private Branch Exchange	546-400-666		
740B Private Branch Exchange	546-400-665		
740C Private Branch Exchange	546-400-665		
<b>CENTRAL OFFICE TRUNKS OUTGOING</b>			
Operation Tests			
757A Private Branch Exchange	551-293-501		
<b>CENTRAL OFFICE TRUNKS; ATTENDANT—SEE ATTENDANT CENTRAL OFFICE TRUNKS</b>			
<b>CENTRAL OFFICE TRUNKS; COMBINATION—SEE COMBINATION CENTRAL OFFICE TRUNKS</b>			
<b>CENTRALIZED ATTENDANT SERVICE</b>			
Connections			
770A Private Branch Exchange	551-770-205		
General Descriptive Information			
DIMENSION® 400	981-012-100		
No. 1 ESS Centrex System	981-012-100		
770A PBX	981-012-100		
812A PBX	981-012-100		
Installation			
770A Private Branch Exchange	551-770-205		
Installation Tests			
770A Private Branch Exchange	551-770-205		
Method of Operation			
2B Automatic Call Distributing System	476-271-301		
27A-Type			
No. 1 (2-Wire, Centrex-PBX Service Electronic Switching System)	540-576-303		
4A Call Distributing System	476-401-301		
770A Private Branch Exchange	551-770-205		
Modifications			
4A Call Distributing System	476-401-301		
Trouble-Locating Procedures			
770A Private Branch Exchange	551-770-205		
<b>CENTRALIZED ATTENDANT SERVICE (CAS)</b>			
Connections			
Identification			
Installation			
Installation Tests			
Method of Operation			
Trouble Locating Procedures			
812A Private Branch Exchange	553-212-204		

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**CENTREX CO (ARRANGED FOR PHASE I**

**CENTREX)**

No. 5 Crossbar

*Method of Operation (Fixed Loop Termination)*

622-Type

Telephone Set

540-575-321

*Method of Operation (Switched Loop Termination)*

622-Type

Telephone Set

540-575-322

*Method of Operation (Fixed Loop Termination)*

1-Type

Telephone Console

540-575-321

2-Type

Telephone Console

540-575-321

9A-type

Telephone Console

540-575-321

*Method of Operation (Switched Loop Termination)*

1-Type

Telephone Console

540-575-322

2-Type

Telephone Console

540-575-322

**CENTREX CO (ARRANGED FOR PHASE II**

**CENTREX)**

No. 5 Crossbar

*Method of Operation (Fixed Loop Termination)*

1-Type

Telephone Console

540-575-311

2-Type

Telephone Console

540-575-311

*Method of Operation (Switched Loop Termination)*

1-Type

Telephone Console

540-575-312

2-Type

Telephone Console

540-575-312

**CENTREX CO (ARRANGED FOR PHASE III**

**CENTREX)**

No. 5 Crossbar

*Method of Operation (Fixed Loop Termination)*

1-Type

Telephone Console

540-575-301

2-Type

Telephone Console

540-575-301

*Method of Operation (Switched Loop Termination)*

1-Type

Telephone Console

540-575-302

2-Type

Telephone Console

540-575-302

**CENTREX CONSOLE CONTROL CABINET**

*Equipment Trouble Location Procedure*

No. 1 (2-Wire) Electronic

Switching System

540-576-306

No. 2 (2-Wire) Electronic

Switching System

540-576-306

**CET (USING 102A IU)**

*Connections*

**CET (USING 102A IU) (Cont)**

*Identification*

*Installation*

*Maintenance*

*Operation*

Voice Connecting Arrangement

IB463-350-108

**CIVIL DEFENSE WARNING SYSTEM**

*Connections*

Bell and Lights

480-210-400

*General Description*

981-281-100

*Identification*

Dial Station Assembly,

ED-69245-01, Group 1

480-210-100

Receiving Station Indicator,

J992371, L1

480-210-100

Station Equipment

480-210-100

*Installation*

Bell and Lights

Station Equipment

480-210-200

*Maintenance*

Bell and Lights

Station Equipment

480-210-200

**CLAMP**

2A

SA501-136-100

**CLASP; CABLE—SEE CABLE CLASP**

**CLEANER; VACUUM—SEE VACUUM CLEANER**

**CLEARANCE ATTACHMENT**

Drop and Block Wiring

462-300-211

**CLEARANCES**

Drop Wire

SB462-070-015

**CLEARANCES AND SEPARATIONS**

Aerial Plant

*General*

620-210-011

Clearances and Separations

*Reference*

Joint Use Poles General

Precautions

SB460-300-111

**CLIMBERS**

*Description*

*Fitting*

*Inspection*

*Testing Gaffs*

E

SB081-730-101

**CLIMBING POLES**

*Safeguards*

Before Climbing Poles or

Working from Strand or

Pole-Supported Equipment

620-131-010

Stepped Poles

620-134-020

Unstepped Poles

620-134-010

**CLIMBING SPACE**

On Jointly Used Poles

620-216-014

**CLIP CRIMPER**

*Description*

B

081-760-111

**CLIP; ADHESIVE—SEE ADHESIVE CLIP**

**CLIP; BEAM—SEE BEAM CLIP**

**CLIP; HANGER—SEE HANGER CLIP**

**CLIP; SUPPORT—SEE SUPPORT CLIP**

**CLIP; WIRE—SEE WIRE CLIP**

**CLOCK; SWITCHBOARD—SEE SWITCHBOARD**

**CLOCK**

**CLOSING AND ALARM CIRCUIT**

(SD-65898-01); NIGHT—SEE NIGHT CLOSING

AND ALARM CIRCUIT (SD-65898-01)

<b>CO (ARRANGED FOR PHASE I CENTREX);</b>	
<b>CENTREX—SEE CENTREX CO (ARRANGED FOR PHASE I CENTREX)</b>	
<b>CO (ARRANGED FOR PHASE II CENTREX);</b>	
<b>CENTREX—SEE CENTREX CO (ARRANGED FOR PHASE II CENTREX)</b>	
<b>CO (ARRANGED FOR PHASE III CENTREX);</b>	
<b>CENTREX—SEE CENTREX CO (ARRANGED FOR PHASE III CENTREX)</b>	
<b>COAXIAL OFFICE CABLES</b>	
<i>Preparing for Splicing and Termination</i>	069-105-811
<b>COAXIAL WIRE (E AND F)</b>	
<i>Description</i>	
<i>Materials</i>	
<i>Tools</i>	
Drop and Block Wiring	462-030-140
<b>CODE CALL UNIT</b>	
3A	
<i>General Description</i>	951-903-100
<b>CODE CALLING SYSTEM</b>	
1A	
<i>Connections</i>	473-115-400
<i>Description</i>	473-115-100
<i>Maintenance</i>	473-115-300
<i>Use</i>	473-115-100
1B	
<i>Connections</i>	473-115-400
<i>Description</i>	473-115-100
<i>Maintenance</i>	473-115-300
<i>Use</i>	473-115-100
2A	
<i>Circuit Tests</i>	473-120-520
3A	
<i>Connections</i>	473-121-101
<i>Identification</i>	473-121-101
<i>Installation</i>	473-121-101
<i>Operation Test</i>	473-121-520
<b>CODE-COM</b>	
Subscriber Set	
<i>Connections</i>	
<i>Identification</i>	
<i>Installation/Test</i>	
<i>Maintenance</i>	
698A	502-201-105
<b>COIL AND PROTECTOR SPRING CONTACTS;</b>	
<b>HEAT—SEE HEAT COIL AND PROTECTOR SPRING CONTACTS</b>	
<b>COIN COLLECTOR SET</b>	
Local Battery	
<i>Selection</i>	510-200-100
Magneto	
<i>Connections</i>	
150K	510-420-400
150L	510-420-400
152C	510-420-401
152D	510-420-401
162A	510-420-400
162B	510-420-400
162C	510-420-400
162D	510-420-400
164C	510-420-401
164D	510-420-401
182C	510-420-402
182D	510-420-402

**COIN COLLECTOR SET (Cont)**

Postpay	
Connections	
150K	510-210-420
152C	510-210-421
152D	510-210-421
158GL	510-215-400
158HL	510-215-400
162A	510-210-420
162B	510-210-420
162C	510-210-420
162D	510-210-420
164C	510-210-421
164D	510-210-421
168GL	510-215-400
168HL	510-215-400
177GL	510-215-401
177HL	510-215-401
178GL	510-215-401
178HL	510-215-401
182C	510-210-422
182D	510-210-422
193GL	510-215-402
193HL	510-215-402
Prepay	
Connections	
155CL	510-210-400
155DL	510-210-400
155GL	510-210-400
155HL	510-210-400
166CL	510-210-401
166DL	510-210-401
166GL	510-210-401
166HL	510-210-401
174CL	510-210-402
174DL	510-210-402
174GL	510-210-402
174HL	510-210-402
176CL	510-210-403
176DL	510-210-403
176GL	510-210-403
176HL	510-210-403
191CL	510-210-404
191DL	510-210-404
191GL	510-210-404
191HL	510-210-404
<b>COIN COLLECTORS</b>	
Reference	
(Subset Required)	CA506-310-100
1235-Type	CA506-310-101
235-Type	CA506-310-101
236-Type	CA506-310-101
Service	
1230 Series (Subset Required)	CA506-331-400
1235-Type	CA506-342-400
150 Series (Subset Required)	506-330-400
160 Series (Subset Required)	506-330-401
170 Series (Subset Required)	506-330-402
180 Series (Subset Required)	506-330-403
190 Series (Subset Required)	CA506-330-404
200 Series (Subset Required)	CA506-330-405
210 Series (Subset Required)	CA506-330-405
220 Series (Subset Required)	CA506-330-406
230 Series (Subset Required)	CA506-330-407
235-Type	CA506-342-400
236-Type	CA506-342-401

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**COIN LEVEL DETECTOR**

*General*

Coin Telephone Stations CA506-100-105

**COIN STATION**

Maintenance Check 506-900-503

**COIN TELEPHONE MOUNTING**

*Identification*

*Installation*

*Maintenance*

KS-21977 Clear View CB508-257-100

**COIN TELEPHONE SETS**

*Connections*

1A, 2A CA506-410-400

Single Slot

1C, 2C CA506-410-400

Single Slot

1E-Type CA506-410-400

Single Slot

*Installation*

1A, 2A CA506-410-400

Single Slot

1C, 2C CA506-410-400

Single Slot

1E-Type CA506-410-400

Single Slot

*Maintenance*

1A, 2A CA506-410-400

Single Slot

1C, 2C CA506-410-400

Single Slot

1E-Type CA506-410-400

Single Slot

Coin Telephone Sets (DTF only)

*Connections*

1D/2D-Type 506-410-402

TOP

*Conversion*

1D/2D-Type 506-410-402

TOP

*Identification*

1D/2D-Type CA506-410-401

*Installation*

1D/2D-Type 506-410-402

TOP

*Maintenance*

1D/2D-Type 506-410-402

TOP

**COIN TELEPHONE SHELF**

*Identification*

*Installation*

*Maintenance*

KS-20194 CB508-252-100

KS-21571 Deluxe Wedge CB508-255-100

**COIN TELEPHONE STATIONS**

*General*

Backboards CA506-100-101

Coin Level Detector CA506-100-105

Coin Test Line Circuit 506-100-130

Dial Tone First-Multislot 506-100-106

Gauges CA506-100-103

Hopper Vane Replacement 506-100-110

Materials CA506-100-103

Semipublic Extension Telephone CA506-100-108

Tools CA506-100-103

**COIN TELEPHONES**

*Detailed Description*

1C, 2C 506-100-120

**COIN TEST LINE CIRCUIT**

*General*

Coin Telephone Stations 506-100-130

**COLLECTOR SET; COIN—SEE COIN COLLECTOR SET**

**COLLECTORS; COIN—SEE COIN COLLECTORS COLOR**

Telephone Apparatus and Materials 500-120-100

**COLORED BUTTONS**

*General*

CALL DIRECTOR\* Telephone 463-210-110

Card Dialer 463-210-110

Key Mountings (400-Type) 463-210-110

Key Telephone Set 463-210-110

Separately Mounted Keys 463-210-110

**COM KEY**

*Arrangement*

580A Key Service Unit KC518-450-103

Key Telephone Systems

*Description*

1A KB518-010-111

1A1 KB518-010-111

1A2 KB518-010-111

**COM KEY (718, 1434, 2152)**

*Connection*

2575AM

Desk Type (6-Button) Telephone Set KC503-603-120

575AM

Desk Type (6-Button) Telephone Set KC503-603-120

*Identification*

2575AM

Desk Type (6-Button) Telephone Set KC503-603-120

575AM

Desk Type (6-Button) Telephone Set KC503-603-120

*Installation*

2575AM

Desk Type (6-Button) Telephone Set KC503-603-120

575AM

Desk Type (6-Button) Telephone Set KC503-603-120

*Maintenance*

2575AM

Desk Type (6-Button) Telephone Set KC503-603-120

575AM

Desk Type (6-Button) Telephone Set KC503-603-120

**COM KEY 1434**

*Connections*

*Identification*

*Installation*

*Operation*

14A Communication System KC518-450-102

**COM KEY 2152**

*Descriptive*

*Ordering Information*

21A Communication System KC518-450-110

<b>COM KEY 416</b>			<b>COMMUNICATION SYSTEM (Cont)</b>	
Connections			HORIZON (Cont)	
Identification			Preinstallation Information	
Installation			HORIZON	518-451-105
Maintenance			14A	
4A Communication System	KC518-450-105		Connections	
<b>COM KEY 416 (USING 981/2981- AND 983/2983-TYPE TELEPHONE SETS)</b>			Identification	
Connections			Installation	
Identification			Operation	
Installation			COM KEY 1434	KC518-450-102
Maintenance			2A (Business Interphone)	
4A Communication System	KC518-450-106		Connections	512-534-400
<b>COM KEY 718</b>			General Description	981-248-100
Connections			Identification	512-534-100
Identification			Installation	512-534-100
Installation			Maintenance	512-534-400
Maintenance			Operation	512-534-100
Operation			21A	
7A Communication System	KC518-450-100		Descriptive	
<b>COMBINATION CENTRAL OFFICE TRUNKS</b>			Ordering Information	
Tests			COM KEY 2152	KC518-450-110
Relay Jack and Lamp			3A (Hospital Interphone)	
700C (Manual Switchboard)			Connections	
Private Branch Exchange	541-004-667		Control Console	512-535-201
<b>COMMAND CONFERENCE CIRCUITS</b>			Equipment Cabinet	512-535-200
Operation Tests			Patient Telephone Set	512-535-202
605A Private Branch			General Description	981-250-100
Exchange	480-139-520		Identification	512-535-100
701A Private Branch			Installation	
Exchange	480-139-520		Control Console	512-535-201
711A Private Branch			Equipment Cabinet	512-535-200
Exchange	480-139-520		Patient Telephone Set	512-535-202
<b>COMMAND POST ALERTING NETWORK (COPAN)</b>			Maintenance	
Connections			Control Console	512-535-201
Identification			Equipment Cabinet	512-535-200
Installation			Patient Telephone Set	512-535-202
Residence Station Apparatus			Method of Operation	512-535-300
306 Switching System	480-713-100		4A	
<b>COMMON CIRCUITS</b>			Connections	
Operation Tests			Identification	
770A Private Branch Exchange	551-770-501		Installation	
<b>COMMON CIRCUITS; ATTENDANT—SEE ATTENDANT COMMON CIRCUITS</b>			Maintenance	
<b>COMMON CONTROL AND LINE CIRCUIT (SD-1E011-01)</b>			COM KEY 416	KC518-450-105
Operation Tests			COM KEY 416 (Using 981/2981- and 983/2983-Type Telephone Sets)	KC518-450-106
800A Private Branch Exchange	553-124-501		7A	
<b>COMMON CONTROL CIRCUIT (SD-5E022-01)</b>			Connections	
Operation Tests			Identification	
Load Balancing and Overflow			Installation	
3A Automatic Call			Maintenance	
Distributing System	476-337-501		Operation	
<b>COMMUNICATION PACKAGE</b>			COM KEY 718	KC518-450-100
559A			<b>CONCENTRATOR (CENTRAL OFFICE EQUIPMENT); LINE—SEE LINE CONCENTRATOR (CENTRAL OFFICE EQUIPMENT)</b>	
Connections	536-590-210		<b>CONCENTRATOR (CENTRAL OFFICE EQUIPMENT); LINE—SEE LINE CONCENTRATOR (CENTRAL OFFICE EQUIPMENT)</b>	
Identification	536-590-210		<b>CONCENTRATOR (CENTRAL OFFICE EQUIPMENT); LINE—SEE LINE CONCENTRATOR (CENTRAL OFFICE EQUIPMENT)</b>	
Installation	536-590-210		<b>CONCENTRATOR; LINE—SEE LINE CONCENTRATOR</b>	
Tests and Inspections	536-590-210		<b>CONCENTRATOR-IDENTIFIER; LINE—SEE LINE CONCENTRATOR-IDENTIFIER</b>	
<b>COMMUNICATION SYSTEM</b>				
HORIZON				
Description				
HORIZON	518-451-105			
Maintenance Support				
HORIZON	518-451-300			

**SECTION 460-000-006**

**CONDUITS**

*General* 461-300-100  
*Identification*  
 Placing Wire and Cable 461-300-101

**CONFERENCE CIRCUIT (SD-66461-01);  
 DIAL—SEE DIAL CONFERENCE CIRCUIT  
 (SD-66461-01)**

**CONFERENCE CIRCUIT; DIAL—SEE DIAL  
 CONFERENCE CIRCUIT**

**CONFERENCE CIRCUITS; COMMAND—SEE  
 COMMAND CONFERENCE CIRCUITS**

**CONFERENCE EQUIPMENT**

*Connections*  
*Identification*  
*Installation*  
 756A Private Branch Exchange 551-135-210  
 757A Private Branch Exchange 551-235-210

**CONFERENCE SET**

*Connections*  
 KS-19134, L1 512-630-401  
 50A 512-630-110  
 50A1 SD512-630-111

*Identification*  
 KS-19134, L1 512-630-101  
 KS-19134, L2 Amplifier Control  
 Unit 512-630-101

KS-19134, L3 Loudspeaker  
 Assembly 512-630-101  
 50A 512-630-110  
 50A1 SD512-630-111

*Installation*  
 KS-19134, L1 512-630-201  
 50A 512-630-110  
 50A1 SD512-630-111

*Maintenance*  
 KS-19134, L1 512-630-201  
 50A 512-630-110  
 50A1 SD512-630-111

*Operation*  
 50A 512-630-110  
 50A1 SD512-630-111

**CONFERENCE TELEPHONE SYSTEM**

20A  
*General Description*  
 Private Service System 981-275-100

**CONFERENCE TRUNK CIRCUIT; DIAL—SEE  
 DIAL CONFERENCE TRUNK CIRCUIT**

**CONFERENCE PBX LINES**

Key Telephone Unit  
*Connections*  
*Identification*  
*Operation*  
 237-Type KB518-310-407

**CONFERENCE; MULTILINE—SEE MULTILINE**

**CONFERENCE**

**CONNECTING ARRANGEMENT**

*Connections*  
*Identification*  
*Installation*  
*Maintenance*  
*Operation*  
 CTD (Using J53050G-1, List 1  
 IU) IB463-382-101  
 CTH (Using J53050K IU) 463-382-103  
 C1Y (J92614E-1 IU) IB463-380-102  
 C25 (118A IU) IB463-380-101

**CONNECTING ARRANGEMENT (Cont)**

*Operation (Cont)*  
 KTX 463-382-104  
 VCP (Using KS-20944 Protector IA463-300-109

**CONNECTING ARRANGEMENT; PROTECTIVE—SEE  
 PROTECTIVE CONNECTING ARRANGEMENT**

**CONNECTING ARRANGEMENT; VOICE—SEE  
 VOICE CONNECTING ARRANGEMENT**

**CONNECTING BLOCK**

*Connections*  
 625-Type 461-610-100  
 630-Type 461-610-100  
 635-Type 461-610-100  
*Cross Connecting*  
*Identification*  
 M1-Type KA461-604-102  
 30-Type 461-601-100  
 31-Type 461-601-100  
 42A 461-602-100  
 44A 461-602-100  
 47-Type 461-602-100  
 57-Type 461-603-100  
 59-Type 461-603-100  
 60-Type 461-603-100  
 625-Type 461-610-100  
 630-Type 461-610-100  
 635-Type 461-610-100  
 66A, B, C KA461-604-102  
 66E3-25 461-604-103  
 66E4-25 461-604-103  
 66E8-25 461-604-103  
 71-Type 461-606-100  
 74-Type 461-606-100  
 75-Type 461-606-100  
 86A 461-604-105  
 88-Type

Wiring Blocks KA461-608-100  
 96A 461-604-105

*Installation*  
 30-Type 461-601-100  
 31-Type 461-601-100  
 42A 461-602-100  
 44A 461-602-100  
 47-Type 461-602-100  
 57-Type 461-603-100  
 59-Type 461-603-100  
 60-Type 461-603-100  
 625-Type 461-610-100  
 630-Type 461-610-100  
 635-Type 461-610-100  
 66A, B, C KA461-604-102  
 66E3-25 461-604-103  
 66E4-25 461-604-103  
 66E8-25 461-604-103  
 71-Type 461-606-100  
 74-Type 461-606-100  
 75-Type 461-606-100  
 86A 461-604-105  
 88-Type

Wiring Blocks KA461-608-100  
 96A 461-604-105

*Installation*  
 30-Type 461-601-100  
 31-Type 461-601-100  
 42A 461-602-100  
 44A 461-602-100  
 47-Type 461-602-100  
 57-Type 461-603-100  
 59-Type 461-603-100  
 60-Type 461-603-100  
 625-Type 461-610-100  
 630-Type 461-610-100  
 635-Type 461-610-100  
 66E3-25 461-604-103  
 66E4-25 461-604-103  
 66E8-25 461-604-103  
 71-Type 461-606-100  
 74-Type 461-606-100  
 75-Type 461-606-100  
 88-Type

Wiring Blocks KA461-608-100  
 96A 461-604-105

*Installation*  
 30-Type 461-601-100  
 31-Type 461-601-100  
 42A 461-602-100  
 44A 461-602-100  
 47-Type 461-602-100  
 57-Type 461-603-100  
 59-Type 461-603-100  
 60-Type 461-603-100  
 625-Type 461-610-100  
 630-Type 461-610-100  
 635-Type 461-610-100  
 66E3-25 461-604-103  
 66E4-25 461-604-103  
 66E8-25 461-604-103  
 71-Type 461-606-100  
 74-Type 461-606-100  
 75-Type 461-606-100  
 88-Type

Wiring Blocks KA461-608-100  
 96A 461-604-105

*Installation*  
 30-Type 461-601-100  
 31-Type 461-601-100  
 42A 461-602-100  
 44A 461-602-100  
 47-Type 461-602-100  
 57-Type 461-603-100  
 59-Type 461-603-100  
 60-Type 461-603-100  
 625-Type 461-610-100  
 630-Type 461-610-100  
 635-Type 461-610-100  
 66E3-25 461-604-103  
 66E4-25 461-604-103  
 66E8-25 461-604-103  
 71-Type 461-606-100  
 74-Type 461-606-100  
 75-Type 461-606-100  
 88-Type

Wiring Blocks KA461-608-100  
 96A 461-604-105

*Installation*  
 30-Type 461-601-100  
 31-Type 461-601-100  
 42A 461-602-100  
 44A 461-602-100  
 47-Type 461-602-100  
 57-Type 461-603-100  
 59-Type 461-603-100  
 60-Type 461-603-100  
 625-Type 461-610-100  
 630-Type 461-610-100  
 635-Type 461-610-100  
 66E3-25 461-604-103  
 66E4-25 461-604-103  
 66E8-25 461-604-103  
 71-Type 461-606-100  
 74-Type 461-606-100  
 75-Type 461-606-100  
 88-Type

Wiring Blocks KA461-608-100  
 96A 461-604-105

*Installation*  
 30-Type 461-601-100  
 31-Type 461-601-100  
 42A 461-602-100  
 44A 461-602-100  
 47-Type 461-602-100  
 57-Type 461-603-100  
 59-Type 461-603-100  
 60-Type 461-603-100  
 625-Type 461-610-100  
 630-Type 461-610-100  
 635-Type 461-610-100  
 66E3-25 461-604-103  
 66E4-25 461-604-103  
 66E8-25 461-604-103  
 71-Type 461-606-100  
 74-Type 461-606-100  
 75-Type 461-606-100  
 88-Type

Wiring Blocks KA461-608-100  
 96A 461-604-105

**CONNECTING BLOCK (Cont)**

<i>Methods of Marking</i>	
Designation Strips	461-600-101
<i>Numbering and Wiring</i>	
66-Type	KA461-604-101
<i>Selection</i>	461-600-100
<i>Terminating</i>	
Tools	
Adapters	KA461-604-100
66-Type	
Adapters	KA461-604-100
<i>Wiring</i>	461-618-201
30-Type	461-601-100
31-Type	461-601-100
42A	461-602-100
44A	461-602-100
47-Type	461-602-100
57-Type	461-603-100
59-Type	461-603-100
60-Type	461-603-100
71-Type	461-606-100
74-Type	461-606-100
75-Type	461-606-100

**CONNECTING TOOL**

<i>Identification</i>	
<i>Maintenance</i>	
<i>Operation</i>	
KS-21749	080-130-100

**CONNECTIONS; CROSS—SEE CROSS****CONNECTIONS****CONNECTIONS; SOLDERED—SEE SOLDERED****CONNECTIONS****CONNECTIONS; SOLDERLESS—SEE SOLDERLESS****CONNECTIONS****CONNECTOR**

<i>Cleaning Procedures</i>	
946-Type	069-350-801
947-Type	069-350-801
971-Type	069-350-801
<i>Replacement of Broken or Damaged</i>	
<i>Terminals</i>	
911A-Type	069-344-801

**CONNECTOR CABLES**

<i>Identification</i>	KA461-200-101
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**CONNECTOR CIRCUIT (SD-67041-01); LINK AND—SEE LINK AND CONNECTOR CIRCUIT (SD-67041-01)****CONNECTOR CIRCUIT (SD-67046-01); DECODER-MARKER—SEE DECODER-MARKER****CONNECTOR CIRCUIT (SD-67046-01)****CONNECTOR CIRCUIT (SD-67106-01); DECODER-MARKER—SEE DECODER-MARKER****CONNECTOR CIRCUIT (SD-67106-01)****CONNECTOR CIRCUIT (SD-67109-01); LINK AND—SEE LINK AND CONNECTOR CIRCUIT (SD-67109-01)****CONNECTOR CIRCUIT; DECODER-MARKER—SEE DECODER-MARKER CONNECTOR CIRCUIT****CONNECTOR CIRCUIT; LINK AND—SEE LINK AND CONNECTOR CIRCUIT****CONNECTOR TRUNK CIRCUIT (SD-67064-01); NO-TEST—SEE NO-TEST CONNECTOR TRUNK CIRCUIT (SD-67064-01)****CONNECTORS****CONNECTORS (Cont)***Operation Tests*

700C (Dial Equipment) Private Branch Exchange	541-003-520
710C (Dial Equipment) Private Branch Exchange	541-003-520

*Operation Tests Using Test Set (SD-66073-01, J54701B)*

701A Private Branch Exchange	540-125-505
701B Private Branch Exchange	540-125-505
701PK Private Branch Exchange	540-125-505
711A Private Branch Exchange	540-125-505
711B Private Branch Exchange	540-125-505
711PK Private Branch Exchange	540-125-505
740E Private Branch Exchange	540-125-505

*Operation Tests Using Test Set (SD-90416-01, J94704A)*

701A Private Branch Exchange	540-125-507
701B Private Branch Exchange	540-125-507
701PK Private Branch Exchange	540-125-507
702A Private Branch Exchange	540-125-507
711A Private Branch Exchange	540-125-507
711B Private Branch Exchange	540-125-507
711PK Private Branch Exchange	540-125-507

**CONNECTORS (SD-66643-01 AND****SD-66644-01); ATTENDANT 3-WIRE—SEE ATTENDANT 3-WIRE CONNECTORS (SD-66643-01 AND SD-66644-01)****CONNECTORS (SD-66663-01 AND****SD-66664-01); ATTENDANT 3-WIRE—SEE ATTENDANT 3-WIRE CONNECTORS (SD-66663-01 AND SD-66664-01)****CONNECTORS AND SELECTOR-CONNECTORS***B, C, and E Relay Timing Tests**Using Relay Timing Test Set**(SD-90418-01, J94713A)*

700C Private Branch Exchange	540-143-507
701A Private Branch Exchange	540-143-507
701B Private Branch Exchange	540-143-507
701PK Private Branch Exchange	540-143-507
702A Private Branch Exchange	540-143-507
710C Private Branch Exchange	540-143-507
711A Private Branch Exchange	540-143-507
711B Private Branch Exchange	540-143-507
711PK Private Branch Exchange	540-143-507
740A Private Branch Exchange	540-143-507
740AX Private Branch Exchange	540-143-507
740B Private Branch Exchange	540-143-507
740C Private Branch Exchange	540-143-507
740E Private Branch Exchange	540-143-507

*Pulsing Tests Using Pulsing Test Set (SD-31481-01, J34717A)*

700C Private Branch Exchange	540-143-504
701A Private Branch Exchange	540-143-504
701B Private Branch Exchange	540-143-504
701PK Private Branch Exchange	540-143-504
702A Private Branch Exchange	540-143-504
710C Private Branch Exchange	540-143-504
711A Private Branch Exchange	540-143-504
711B Private Branch Exchange	540-143-504
711PK Private Branch Exchange	540-143-504
740A Private Branch Exchange	540-143-504
740AX Private Branch Exchange	540-143-504
740B Private Branch Exchange	540-143-504
740C Private Branch Exchange	540-143-504
740E Private Branch Exchange	540-143-504

SECTION 460-000-006

**CONNECTORS; BRIDGING—SEE BRIDGING CONNECTORS**  
**CONNECTORS; RECORDER—SEE RECORDER CONNECTORS**  
**CONNECTORS; SELECTORS AND—SEE SELECTORS AND CONNECTORS**  
**CONNECTORS, AND SELECTOR-CONNECTORS; SELECTORS,—SEE SELECTORS, CONNECTORS, AND SELECTOR-CONNECTORS**  
**CONSOLE (MULTIPLE); TELEPHONE—SEE TELEPHONE CONSOLE (MULTIPLE)**  
**CONSOLE (SINGLE); TELEPHONE—SEE TELEPHONE CONSOLE (SINGLE)**  
**CONSOLE ATTENDANT, CALL, ANSWER, AND SWITCHING WITH ROTARY DIAL**  
*Connections*  
*Identification*  
*Installation*  
 761B Private Branch Exchange 551-722-210  
**CONSOLE CIRCUIT (SD-65925-01)**  
*Method of Operation*  
 758A Private Branch Exchange 551-411-300  
 758A/B Switching System 551-470-300  
 758C Private Branch Exchange 551-511-300  
**CONSOLE CONTROL CABINET; CENTREX—SEE CENTREX CONSOLE CONTROL CABINET**  
**CONSOLE; ADDENDANT—SEE ADDENDANT CONSOLE**  
**CONSOLE; ATTENDANT—SEE ATTENDANT CONSOLE**  
**CONSOLE; TELEPHONE—SEE TELEPHONE CONSOLE**  
**CONSOLE; 12B TELEPHONE—SEE 12B TELEPHONE CONSOLE**  
**CONSOLES**  
*Connections*  
 800A (Customer Package) Private Branch Exchange 553-100-211  
 800A Private Branch Exchange 553-100-210  
*Identification*  
 800A (Customer Package) Private Branch Exchange 553-100-211  
 800A Private Branch Exchange 553-100-210  
*Installation*  
 800A (Customer Package) Private Branch Exchange 553-100-211  
*Installation Tests*  
 800A (Customer Package) Private Branch Exchange 553-100-211  
 800A Private Branch Exchange 553-100-210  
*Method of Operation*  
 2B Automatic Call Distributing System 476-271-301  
*Method of Operation (Large 2B ACD Attendant Application)*  
 2B Automatic Call Distributing System 476-270-302  
**CONSOLES (PRIVATE BRANCH EXCHANGE)**  
 Visually Impaired Attendant Service  
*Description*  
 87A Control Unit 534-413-211  
 990A Light Sensor 534-413-211  
*Installation*  
 87A Control Unit 534-413-211  
 990A Light Sensor 534-413-211

**CONSOLES (PRIVATE BRANCH EXCHANGE) (Cont)**  
 Visually Impaired Attendant Service (Cont)  
*Maintenance*  
 87A Control Unit 534-413-502  
 990A Light Sensor 534-413-502  
*Method of Operation*  
 87A Control Unit 534-413-211  
 990A Light Sensor 534-413-211  
*Trouble Locating Procedures*  
 87A Control Unit 534-413-502  
 990A Light Sensor 534-413-502  
**CONSOLES; SELECTOR—SEE SELECTOR CONSOLES**  
**CONTACTS**  
*Cleaning and Reconditioning*  
 On Similar Apparatus Except Keys and Jacks 069-306-801  
*Replacing*  
 Crossbar Switch 069-310-802  
 Reader (KS-13835 AMA) 069-310-802  
 Relays (Nonwire Spring Type) 069-310-802  
 Relays (Wire Spring Type) 069-310-803  
 Switch (197-Type) 069-310-802  
*Replacing using the 1004A, 1004B, and 1013A Tool Kits* 069-310-801  
**CONTACTS AND PARTS; RELAY—SEE RELAY CONTACTS AND PARTS**  
**CONTACTS REPLACEMENT**  
 Having Unusual Contact Conditions 069-310-804  
 Reader (KS-13835 AMA) 069-310-804  
 Relays (Nonwire Spring Type) 069-310-804  
 Switch (197-Type) 069-310-804  
**CONTINUITY TEST TRUNK (SD-67054-01); PREEMPTION AND—SEE PREEMPTION AND CONTINUITY TEST TRUNK (SD-67054-01)**  
**CONTROL AND LINE CIRCUIT (SD-1E011-01); COMMON—SEE COMMON CONTROL AND LINE CIRCUIT (SD-1E011-01)**  
**CONTROL CENTER SYSTEM; SWITCHING—SEE SWITCHING CONTROL CENTER SYSTEM**  
**CONTROL CIRCUIT (SD-5E022-01); COMMON—SEE COMMON CONTROL CIRCUIT (SD-5E022-01)**  
**CONTROL CIRCUIT (SD-5E026-01); OVERFLOW—SEE OVERFLOW CONTROL CIRCUIT (SD-5E026-01)**  
**CONTROL CIRCUIT (SD-98060-01); DISPLAY—SEE DISPLAY CONTROL CIRCUIT (SD-98060-01)**  
**CONTROL SERVICES; TIE-LINE AND—SEE TIE-LINE AND CONTROL SERVICES**  
**CONTROL SYSTEM; SELECTIVE—SEE SELECTIVE CONTROL SYSTEM**  
**CONTROL UNIT**  
*Connections*  
 KS-20008L1 463-235-100  
 62A SD514-230-102  
 89A IA463-332-130  
*Emergency Action Procedures*  
 No. 101 Electronic Switching System 240-300-301



**CONTROL UNIT (Cont)**

<i>Identification</i>		
KS-20008L1		463-235-100
51A		
1A Home Interphone System		512-510-100
54A		
2A Farm Interphone System		512-515-100
54B		
2A Farm Interphone System		512-515-100
62A		SD514-230-102
89A		IA463-332-130
<i>Installation</i>		
KS-20008L1		463-235-100
51A		
1A Home Interphone System		512-510-200
54A		
2A Farm Interphone System		512-515-200
54B		
2A Farm Interphone System		512-515-200
62A		SD514-230-102
89A		IA463-332-130
<i>Maintenance</i>		
51A		
1A Home Interphone System		512-510-200
54A		
2A Farm Interphone System		512-515-200
54B		
2A Farm Interphone System		512-515-200
89A		IA463-332-130
<i>Manual Maintenance Routines</i>		
No. 101 Electronic Switching System		240-320-501
<i>Night Coverage Procedure</i>		
No. 101 Electronic Switching System		240-300-302
<i>Operation</i>		
51A		
1A Home Interphone System		512-510-100
54A		
2A Farm Interphone System		512-515-100
54B		
2A Farm Interphone System		512-515-100
89A		IA463-332-130
<i>Tests</i>		
KS-20008L1		463-235-100
<i>Trunk Control Frame Cross Connections</i>		
No. 101 Electronic Switching System		240-313-301
KS-14964		
<i>Identification</i>		
1A Speakerphone System		512-610-100
1A1 Speakerphone System		512-610-100
55A(MD)		
<i>Connections</i>		
3-Type Speakerphone System		SD512-620-100
<i>Identification</i>		
3-Type Speakerphone System		SD512-620-100
<i>Installation</i>		
3-Type Speakerphone System		SD512-620-100
<i>Maintenance</i>		
3-Type Speakerphone System		SD512-620-100
55B		
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40-Type Station 501-163-100

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 F-58556 Station 501-164-132  
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3A Switch Unit	240-263-510
4A Switch Unit	240-263-510
Failure Detected by Time Division Control Disable Using 131A Test Set	
2A Switch Unit	240-253-503
Failure to Restore Switch Units Using 131A Test Set	240-200-503
Force Off-Hook Test	
3A Switch Unit	240-263-505
4A Switch Unit	240-263-505
Group Translator Test	
2A Switch Unit	240-253-506
3A Switch Unit	240-263-506
4A Switch Unit	240-263-506
Immediate or Interrupted Ring Test	
2A Switch Unit	240-253-507
3A Switch Unit	240-263-507
4A Switch Unit	240-263-507
Intergroup Switch Test using 131A Test Set	
2A Switch Unit	240-253-511
3A Switch Unit	240-263-511
4A Switch Unit	240-263-511
Resulting in a Scanner Switch using 131A Test Set	
2A Switch Unit	240-253-502
3A Switch Unit	240-263-502
4A Switch Unit	240-263-502
Synch Test using 131A Test Set	
3A Switch Unit	240-263-513
4A Switch Unit	240-263-513
Transmission Test	
2A Switch Unit	240-253-508
3A Switch Unit	240-263-508
4A Switch Unit	240-263-508
2A Switch Unit	240-200-503
3A Switch Unit	240-200-503
<i>Trouble Location Procedure</i>	
Force Off-Hook Test	
2A Switch Unit	240-253-505
<i>Trunk Control Frame Cross Connections</i>	
Control Unit	240-313-301
<i>24-Hour Maintenance Printouts</i>	240-125-121
No. 2	
<i>Fault Location Procedures</i>	
Centrex Data Link and Console Demand Exercise	540-576-304
No. 2 (2-Wire)	
<i>Equipment Trouble Location Procedure</i>	
Centrex Console Control Cabinet	540-576-306

**ELECTRONIC SWITCHING SYSTEM (Cont)**

No. 2 (2-Wire) (Cont)

*Method of Operation (Switched Loop Operation)*

1B-Type  
Telephone Console 540-576-302

2B-Type  
Telephone Console 540-576-302

No. 2 (2-Wire; Centrex Service)

*Connections to Control Cabinet*

1B-Type  
Telephone Console 540-576-210

2B-Type  
Telephone Console 540-576-210

*Installation*

1B-Type  
Telephone Console 540-576-210

2B-Type  
Telephone Console 540-576-210

**ELECTRONIC SWITCHING SYSTEM****APPLICATION (NO. 101)***Description*

No. 2 Switching Control Center System 190-119-110

*Emergency Action Procedure*

No. 2 Switching Control Center System 190-119-311

*Operation and Trouble Analysis Procedures*

No. 2 Switching Control Center System 190-119-310

**ELECTRONIC TELEPHONE SETS;****MULTIBUTTON—SEE MULTIBUTTON ELECTRONIC TELEPHONE SETS****ELECTRONIC TIE TRUNK (J59204,****SD-1E500-01, SD-1E500-02)**

Electronic Tie Trunk

*Connections*

PBX Systems 534-364-212

*Diagnostic Tests*

PBX Systems 534-364-300

*Identification*

PBX Systems 534-364-212

*Installation*

PBX Systems 534-364-212

*Trouble-Locating Procedures*

PBX Systems 534-364-300

**ELEVATOR TELEPHONE SET**

Telephone Set

*Connections**Identification**Installation*

322-Type 502-402-100

**EMERGENCY REPORTING***Reference*

570-Type  
Special Purpose Telephone Set 502-501-119

**EMERGENCY REPORTING SYSTEM**

Concentrator-Type

*Method of Operation*

520-Type Private Branch Exchange 473-218-301

**EMERGENCY REPORTING SYSTEM (Cont)**

Direct Line (Cont)

*Method of Operation*

520-Type Private Branch Exchange

473-218-300

Jack Ended Lines

*Operation Tests*

473-228-543

Jack Ended Lines (Separate from PBX)

*Operation Tests*

473-228-541

Key Ended Lines (Terminated in Turret)

*Operation Tests*

473-228-540

Manual PBX

*Arrangements for Terminating**Emergency Reporting Lines*

473-228-110

Public

*Connections*

473-310-100

*Description*

473-310-100

*Installation*

473-310-100

*Maintenance*

473-310-100

*Operation*

473-310-100

520-Type PBX

*General Description*

Concentrator System

981-226-100

Direct Line Systems

981-225-100

*Inspections*

Cord Circuits

473-218-525

Position Circuits

473-218-525

*Operation Tests*

Alarm Circuit

473-218-500

Annunciator Circuit

473-218-630

Call Recording Circuit

473-218-520

Central Office Trunk Circuits

(SD-99362-01, SD-98051-01)

473-218-665

Display Control Circuit

(SD-98060-01)

473-218-610

Flash and Wink Circuits

473-218-660

Line Concentrator (Central

Office Equipment)

067-302-503

Long Line Circuit

(SD-99545-01)

473-218-661

Number Display Circuit

(SD-98128-01)

473-218-610

Outgoing Trunk Circuits

(Central Office Equipment)

067-302-503

Paging Line and Status

Circuits

473-218-630

Selective Routing Circuits with

Direct Lines

473-218-655

Station Line Circuits

473-218-660

Supervisory Device Line

Circuit

473-218-660

*Operation Tests Using Central**Office Test Circuit SD-98067-01*

Line Concentrator (Central

Office Equipment)

067-301-501

*Recording, Analysis, and Handling**Trouble Indicator Reports*

Line Concentrator (Central

Office Equipment)

067-302-301

*Tests*

Cord Circuits

473-218-525

Long Line Circuits (Central

Office Equipment)

067-303-501

Position Circuits

473-218-525

**SECTION 460-000-006**

**EMERGENCY REPORTING SYSTEM (Cont)**

520-Type PBX (Cont)  
*Tests (Cont)*  
 Selective Routing Circuits with Direct Lines (Central Office Equipment) 067-304-501  
*Tests and Inspections at Time of Installation*  
 Direct Line and Concentrator Systems 473-218-210  
*Tests Using Test Circuit SD-98067-01*  
 Controller Circuit (Central Office Equipment) 067-302-502  
 Line Concentrator (Central Office Equipment) 067-302-501  
 Line Concentrator (Central Office Equipment) 067-302-502  
 911 (Basic Service)  
*General Description*  
 8A KTS 981-226-110

**EMERGENCY REPORTING/ANSWERING BUREAUS**

911  
*Method of Operation*  
 CALL DIRECTOR® Telephone Set 473-310-103

**EMERGENCY TRANSFER**

*Operation Tests*  
 812A Private Branch Exchange 553-212-500

**EMERGENCY TRANSFER CIRCUITS; ALARM AND—SEE ALARM AND EMERGENCY TRANSFER CIRCUITS**

**EQUALIZERS; CABLE—SEE CABLE EQUALIZERS**

**EQUIPMENT**

*General Cleaning, Dusting, and Washing Operations* 069-305-301

**EQUIPMENT BAY**

*Connections (One Line and 6-Station Single Link Intercom)*  
 J53051A  
 1P2 Key Telephone Systems 518-800-421  
*Connections (Single Group and Multigroup Line)*  
 J53051B  
 1P2 Key Telephone Systems 518-800-429  
*Connections (2- or 3-Link Intercom)*  
 J53051C  
 1P2 Key Telephone Systems 518-800-437  
*Connections (2-Line)*  
 J53051A  
 1P2 Key Telephone Systems 518-800-417  
*Connections (10-Station Single Link Intercom)*  
 J53051A  
 1P2 Key Telephone Systems 518-800-425  
*Identification*  
 J53051A  
 1P2 Key Telephone Systems 518-800-120  
 J53051B  
 1P2 Key Telephone Systems 518-800-122  
*Identification (2- or 3-Link Intercom)*  
 J53051C  
 1P2 Key Telephone Systems 518-800-128

**EQUIPMENT BAY (Cont)**

*Installation*  
 J53051A  
 1P2 Key Telephone Systems 518-800-120  
 J53051B  
 1P2 Key Telephone Systems 518-800-122  
*Installation (2- or 3-Link Intercom)*  
 J53051C  
 1P2 Key Telephone Systems 518-800-128  
*Trouble Locating (2- or 3-Link Intercom)*  
 J53051C  
 1P2 Key Telephone Systems 518-800-507  
*Trouble Locating Procedures (Single and Multigroup Line)*  
 1P2 Key Telephone Systems 518-800-505

**EQUIPMENT CABINET**

*Connections*  
 1A Telephone Answering System 473-609-201  
*Identification*  
 Apparatus Cabinet (26-Plate) KA463-140-100  
 Apparatus Cabinet (45-Plate) KA463-140-100  
 Cabinet Floor-Supported (Per ED-69488-50, Group 1) KA463-140-100  
 Floor-Supported Cabinet KA463-140-100  
 Per ED-91180-70 (18-Plate) KA463-140-100  
 Per ED-91472-70 (4-Plate) KA463-140-100  
 Wall Relay Rack KA463-140-100  
 1A Telephone Answering System 473-609-201  
*Installation*  
 1A Telephone Answering System 463-140-200  
 473-609-201  
*Service Options*  
 1A Telephone Answering System 473-609-201

**EQUIPMENT PBX; TEST—SEE TEST EQUIPMENT**

**PBX**

**EQUIPMENT STATION; TEST—SEE TEST**

**EQUIPMENT STATION**

**EQUIPMENT; ASSOCIATED—SEE ASSOCIATED**

**EQUIPMENT**

**EQUIPMENT; ATTENDANT—SEE ATTENDANT**

**EQUIPMENT**

**EQUIPMENT; AUXILIARY—SEE AUXILIARY**

**EQUIPMENT**

**EQUIPMENT; CONFERENCE—SEE CONFERENCE**

**EQUIPMENT**

**EQUIPMENT; KEY—SEE KEY EQUIPMENT**

**EQUIPMENT; STATION—SEE STATION**

**EQUIPMENT**

**EQUIPMENT; SUBSCRIBER—SEE SUBSCRIBER**

**EQUIPMENT**

**EQUIPMENT; SWITCHBOARD—SEE SWITCHBOARD**

**EQUIPMENT**

**EQUIPMENT; TOUCH-TONE® CALLING—SEE**

**TOUCH-TONE® CALLING EQUIPMENT**

**ESS—SEE ELECTRONIC SWITCHING SYSTEM**

**EXECUTIVE TRUNK CIRCUIT (SD-1E000-01 WITH RINGBACK AND CAMP-ON TONE SIGNAL)**

*Operation Tests*

757A Private Branch Exchange 551-277-501

**EXTENDER**

*Connections*

*Identification*

*Installation*

11A 501-322-101



<b>EXTENDER (Cont)</b>			<b>FEATURE UNITS (Cont)</b>	
<i>Installation (Cont)</i>			<i>Identification</i>	
11B	501-322-101		<i>Installation</i>	
<b>EXTENDER; RINGING—SEE RINGING</b>			812A Private Branch Exchange	553-212-201
<b>EXTENDER</b>			<b>FEATURES</b>	
<b>EXTENSION LADDER</b>	-		<i>Abbreviated and Delayed Ringing</i>	
<i>Description</i>			DIMENSION* PBX	554-191-140
C	081-740-105		<i>Attendant Console</i>	
D	081-740-105		DIMENSION* PBX	554-191-112
E			<i>Automatic Callback - Calling</i>	
Fiberglass	081-740-106		DIMENSION* PBX	554-191-119
<i>Use</i>			<i>Call Hold</i>	
E			DIMENSION* PBX	554-191-128
Fiberglass	081-740-106		<i>Code Calling Access</i>	
<b>EXTENSION LINES; MANUAL—SEE MANUAL</b>			DIMENSION* PBX	554-191-135
<b>EXTENSION LINES</b>			<i>Code Restriction</i>	
<b>EXTENSION TELEPHONE; SEMIPUBLIC—SEE</b>			DIMENSION* PBX	554-191-137
<b>SEMIPUBLIC EXTENSION TELEPHONE</b>			<i>Common Audible Ringing</i>	
<b>EXTERNAL TRAFFIC REGISTER CABINET</b>			DIMENSION* PBX	554-191-140
<i>Connections</i>			<i>Direct Station Selection With Busy</i>	
<i>Identification</i>			Lamp Field	
<i>Installation</i>			DIMENSION* PBX	554-191-115
756A Private Branch Exchange	551-137-210		<i>Distinctive Ringing</i>	
<b>EXTERNAL TRAFFIC REGISTER CABINET</b>			DIMENSION* PBX	554-191-151
(J58857, SD-SE010-01)			<i>Executive Override</i>	
<i>Connections</i>			DIMENSION* PBX	554-191-155
<i>Identification</i>			<i>Journal Printers Feature</i>	
<i>Installation</i>			DIMENSION* PBX	554-191-222
757A Private Branch Exchange	551-237-210		<i>Line Ringing</i>	
<b>EXTRACTOR; LAMP—SEE LAMP EXTRACTOR</b>			DIMENSION* PBX	554-191-140
<b>F SPAN CLAMP</b>			<i>Local Call Billing Feature</i>	
Drop and Block Wiring			DIMENSION* PBX	554-191-217
<i>Description</i>	462-300-206		<i>Manual Originating Line Service</i>	
<i>Installation</i>	462-300-206		DIMENSION* PBX	554-191-175
<b>FABRIC BODY BELT</b>			<i>Origination Restriction</i>	
<i>Description</i>			DIMENSION* PBX	554-191-183
<i>Use</i>			<i>Outgoing Trunk Queuing</i>	
C	SB081-720-101		DIMENSION* PBX	554-191-186
D	SB081-720-101		<i>Recall Button</i>	
E	SB081-720-101		DIMENSION* PBX	554-191-193
F	SB081-720-101		<i>Recall Dial Tone</i>	
<b>FACILITIES AND TEST CALLS; TEST—SEE</b>			DIMENSION* PBX	554-191-193
<b>TEST FACILITIES AND TEST CALLS</b>			<i>Reference Guide</i>	
<b>FACILITIES; TEST—SEE TEST FACILITIES</b>			DIMENSION* PBX	554-191-100
<b>FADS REGISTERS</b>			<i>Remote Access to PBX Services</i>	
<i>Operation Tests</i>			DIMENSION* PBX	554-191-195
2A Automatic Call Distributing				
System	476-223-501			
3A Automatic Call Distributing				
System	476-335-501			
<b>FADS—SEE FORCE ADMINISTRATIVE DATA</b>				
<b>SYSTEM (FADS)</b>				
<b>FAILURE TRANSFER CIRCUIT; POWER—SEE</b>				
<b>POWER FAILURE TRANSFER CIRCUIT</b>				
<b>FARM INTERPHONE—SEE INTERPHONE SYSTEM</b>				
<b>FASTENER; DIRECTORY—SEE DIRECTORY</b>				
<b>FASTENER</b>				
<b>FASTENERS; DZUS—SEE DZUS FASTENERS</b>				
<b>FASTENERS; MASONRY—SEE MASONRY</b>				
<b>FASTENERS</b>				
<b>FEATURE UNIT; TRUNKS AND—SEE TRUNKS</b>				
<b>AND FEATURE UNIT</b>				
<b>FEATURE UNITS</b>				
<i>Connections</i>				

**SECTION 460-000-006**

**FEATURES (Cont)**

*Ringing Transfer*  
DIMENSION® PBX

554-191-140

*Rotary Dial Calling*  
DIMENSION® PBX

554-191-197

*Station Message Detail Recording*  
DIMENSION® PBX

554-191-208

*Station Ringer Cutoff*  
DIMENSION® PBX

554-191-140

*Station-to-Station Calling*  
DIMENSION® PBX

554-191-209

*Termination Restriction*  
DIMENSION® PBX

554-191-213

*Timed Reminder*  
DIMENSION® PBX

554-191-215

*Toll Restriction*  
DIMENSION® PBX

554-191-137

*Wide Frequency Tolerant Power Plant*  
DIMENSION® PBX

554-191-233

**FEATURES, TRUNKS, AND MISCELLANEOUS EQUIPMENT**

*Connections*  
*Identification*  
*Installation*

770A Private Branch Exchange

551-770-203

**FEEDER BRUSH TIPS**

*Repairing using the 1004A or 1004B Tool Kit*

069-311-801

**FEEDERS; BATTERY—SEE BATTERY FEEDERS  
FEEDERS; RINGING—SEE RINGING FEEDERS**

**FILTERS**

*Identification*

61-Type

501-170-100

*Installation*

61-Type

501-170-200

*Maintenance*

61-Type

501-170-200

**FINDER (SD-67020-01); TOUCH-TONE® TRUNK—SEE TOUCH-TONE® TRUNK FINDER (SD-67020-01)**

**FINDER CIRCUIT (SD-65906-01); TRUNK—SEE TRUNK FINDER CIRCUIT (SD-65906-01)**

**FINDER CIRCUITS (8-WIRE SD-65962-01 AND SD-65975-01)**

*Operation Tests*

3A Automatic Call Distributing System

476-312-501

**FINDERS AND 3-WIRE TRUNK FINDERS; LINE—SEE LINE FINDERS AND 3-WIRE TRUNK FINDERS**

**FINDERS; LINE—SEE LINE FINDERS**

**FITTINGS**

*Identification*

Placing Wire and Cable

461-300-101

**FIXTURE; LIGHT—SEE LIGHT FIXTURE**

**FLASH AND WINK CIRCUITS**

*Operation Tests*

520-Type PBX Emergency Reporting System

473-218-660

**FLOOR-SUPPORTED (PER ED-69488-50, GROUP 1); CABINET—SEE CABINET FLOOR-SUPPORTED (PER ED-69488-50, GROUP 1)**

**FLOOR-SUPPORTED CABINET**

*Identification*

Equipment Cabinet

KA463-140-100

**FLUTTER-FLASH LAMP SIGNAL SUPPLY CIRCUIT (SD-67076-01)**

*Operation Test*

758A/B Switching System

551-470-505

*Operation Tests*

758A Private Branch Exchange

551-416-500

758C Private Branch Exchange

551-531-500

**FOOT LADDER**

*Description*

B

081-740-105

**FORCE ADMINISTRATION DATA SYSTEM (FADS)**

*Distribution*

*Installation*

*Tests*

2A Automatic Call Distributing System

476-100-106

2B Automatic Call Distributing System

476-100-106

3A Automatic Call Distributing System

476-100-106

**FORCE ADMINISTRATIVE DATA SYSTEM (FADS)**

*General Description*

Used With 2A and 3A Automatic Call Distributing System

981-234-100

*Operation Tests*

2A Automatic Call Distributing System

476-256-501

3A Automatic Call Distributing System

476-344-501

**FOUNDATION AND ASSOCIATED APPARATUS**

KS-21976

*Identification*

*Installation*

SENTRY

CB508-809-100

**FRAME BAG; DISTRIBUTING—SEE DISTRIBUTING FRAME BAG**

**FRAME; CARD—SEE CARD FRAME**

**FREQUENCY INTERFERENCE; RADIO—SEE RADIO FREQUENCY INTERFERENCE**

**FTM (34A VOICE COUPLER)**

*Connections*

*Identification*

*Installation*

*Maintenance*

*Operation*

Protective Connecting Arrangement

IA463-341-103

**FTP**

*Connections*

*Identification*

*Installation*



**HAND TELEPHONE SET (Cont)***Connections (Cont)*

202G	510-120-401
202H	510-120-401
206A	510-120-402
206B	510-120-402
206C	510-120-402
206D	510-120-402
207A	510-120-403
207B	510-120-403
207C	510-120-403
207D	510-120-403

## 211-Type

3-Type Speakerphone System	512-620-407
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211E	510-120-404
211F	510-120-404
211G	510-120-404
211H	510-120-404
212L	510-120-405
213A	510-120-406
213B	510-120-406
213C	510-120-406
213E	510-120-406
215A	510-120-407
215B	510-120-407
215C	510-120-407
215D	510-120-407
220-Type	SA502-303-102
2211P	

3-Type Speakerphone System	512-620-407
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2220-Type	SA502-303-102
2226-Type	SA502-303-102
226-Type	SA502-303-102

*Identification*

220-Type	SA502-303-102
2220-Type	SA502-303-102
2226-Type	SA502-303-102
226-Type	SA502-303-102

*Installation*

220-Type	SA502-303-102
2220-Type	SA502-303-102
2226-Type	SA502-303-102
226-Type	SA502-303-102

*Maintenance*

211-Type	
3-Type Speakerphone System	512-620-407
220-Type	SA502-303-102
2211P	
3-Type Speakerphone System	512-620-407
2220-Type	SA502-303-102
2226-Type	SA502-303-102
226-Type	SA502-303-102

*Reference*

201A, B, C, D	502-301-100
202A, B, C, D	502-301-103
203A, B, C, D, E, F	502-301-103
211A, B, C, D	502-301-100
211JR, LR, MR, NR, PR	502-301-101
212A, B, C	502-301-100
212L, M	502-301-102
213A, B, C, E	502-301-100
215A, B, C, D	502-301-103
220-Type	502-303-101
2211-Type	502-302-101
2212-Type	502-302-101
2220-Type	502-303-101

**HAND TELEPHONE SET (Cont)***Reference (Cont)*

2226-Type	502-303-101
223A, B, C	502-301-104
226-Type	502-303-101

*Service*

201A, B, C, D	502-320-410
202A, B, C, D	502-320-414
203A, B, C, D, E, F	502-320-415
211-Type	SA502-320-400
211A, B, C, D	502-320-411
212A, B, C	502-320-412
212L	SA502-320-401
213A, B, C, E	502-320-413
215A, B, C, D	502-320-416
220-Type	
TRIMLINE® Telephone	SA502-322-400
2220-Type	
TRIMLINE® Telephone	SA502-322-400
2226-Type	
TRIMLINE® Telephone	SA502-322-400
226-Type	
TRIMLINE® Telephone	SA502-322-400

*Magneto**Connections*

200 Series	510-320-400
201A	510-320-401
202H	510-320-402
211E	510-320-403
213E	510-320-404
215A	510-320-405

**HAND TOOLS**

## Aluminum Oxide Coated

*Inspection*

075-115-301

*Maintenance*

075-115-301

**HANDLING; PACKAGING AND—SEE PACKAGING AND HANDLING****HANDS-FREE ANSWERING ON INTERCOM**

## Key Telephone Systems

*Description*

1A1	KB518-010-115
1A2	KB518-010-115
6A	KB518-010-115

**HANDSET***Connections*

F-Series	501-210-101
G1-Type	501-210-102
G11-Type	501-210-102
G12A	501-210-103
G15A	501-210-103
G2-Type	501-210-102
G3-Type	501-210-102
G36-Type	SA501-211-103
G4-Type	501-210-102
G5-Type	501-210-102
J1A	501-210-104
KS-16504 Type	501-210-120
K1A	501-210-105

*Description**Maintenance*

1013B	106-020-113
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*Identification*

F-Series	501-210-101
G1-Type	501-210-102
G11-Type	501-210-102
G12A	501-210-103

**HANDSET (Cont)***Identification (Cont)*

G15A	501-210-103
G2-Type	501-210-102
G3-Type	501-210-102
G36-Type	SA501-211-103
G4-Type	501-210-102
G5-Type	501-210-102
J1A	501-210-104
KS-16504 Type	501-210-120
K1A	501-210-105

*Maintenance*

F-Series	501-210-101
G1-Type	501-210-102
G11-Type	501-210-102
G12A	501-210-103
G15A	501-210-103
G2-Type	501-210-102
G3-Type	501-210-102
G36-Type	SA501-211-103
G4-Type	501-210-102
G5-Type	501-210-102
J1A	501-210-104
KS-16504 Type	501-210-120
K1A	501-210-105

*Use*

Maintenance	
1013B	106-020-113

## Telephone Set Components

*Connections**Identification**Installation**Maintenance*

Customer-Owned Enclosures	501-420-102
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**HANDSET (AMPLIFIER)***Connections**Identification**Maintenance**Schematics*

G13-Type	SA501-211-102
G6-Type	SA501-211-102
G7-Type	SA501-211-102
G8-Type	SA501-211-102

**HANDSET (G8-TYPE)**

Apparatus for Noise Locations	SA501-211-102
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**HANDSET HANGER***Identification**Installation*

10A	463-135-100
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**HANGER CLIP***General*

B	080-720-151
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**HANGER; DIRECTORY—SEE DIRECTORY****HANGER****HANGER; HANDSET—SEE HANDSET HANGER****HATCHETS**

<i>Description</i>	081-745-102
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**HAVING UNUSUAL CONTACT CONDITIONS**

Contacts Replacement	069-310-804
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**HEAD TELEPHONE SETS***Description*

KS-20778	028-351-501
KS-21430 Headset	028-351-501

*Electrical Tests*

52-Type	028-360-501
53-Type	028-361-501

**HEAD TELEPHONE SETS (Cont)***Electrical Tests (Cont)*

60-Type	028-362-501
61-Type	028-363-501

*Maintenance*

KS-20778	028-351-501
KS-21430 Headset	028-351-501

*Minor Repairs*

52-Type	028-360-811
53-Type	028-361-811

*Piece-Part Data*

52-Type	028-360-811
53-Type	028-361-811
60-Type	028-362-801
61-Type	028-363-801

*Replacement Procedures*

52-Type	028-360-811
53-Type	028-361-811
60-Type	028-362-801
61-Type	028-363-801

*Use*

KS-20778	028-351-501
KS-21430 Headset	028-351-501

*Visual Inspection*

52-Type	028-360-501
53-Type	028-361-501
60-Type	028-362-501
61-Type	028-363-501

**HEADSET**

## KS-21430

*Description**Maintenance**Use*

KS-20778 Head Telephone Set	028-351-501
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**HEADSET (BONE CONDUCTION RECEIVERS)***Connections**Identification**Maintenance*

KS-14720L2	501-225-100
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**HEADSET INTERFACE TERMINATION***Application**Identification**Maintenance*

Used With Customer-Provided 4-Wire Head Telephone Set	463-323-100
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**HEAT COIL AND PROTECTOR SPRING****CONTACTS***Cleaning*

	069-315-801
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**HEATER; BASE—SEE BASE HEATER****HEAVY TRAFFIC MODULE***Connections*

701PK Private Branch Exchange	542-015-204
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**HIGH RISE APARTMENT BUILDINGS***Connecting Services*

Prewiring	461-310-401
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*Identification*

Prewiring	461-310-101
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*Installation*

Prewiring	461-310-201
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**HOLD UNIT***Method of Connecting*

## Miscellaneous Equipment

## 2A Automatic Call

Distributing System	476-215-210
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**HOLDERS; DRILL—SEE DRILL HOLDERS**

**SECTION 460-000-006**

**HOLDERS; RECEIVER—SEE RECEIVER**

**HOLDERS**

**HOLSTERS**

*Description*

D

081-720-111

F

081-720-111.

**HOME INTERPHONE—SEE INTERPHONE SYSTEM**

**HOME WIRING; MOBILE—SEE MOBILE HOME**

**WIRING**

**HOPPER VANE REPLACEMENT**

*General*

Coin Telephone Stations

506-100-110

**HORIZON**

*General Description*

2991A/B

MET Sets Multibutton

Electronic Telephone Sets

503-100-129

2991C/D

MET Sets Multibutton

Electronic Telephone Sets

503-100-130

2992A

MET Sets Multibutton

Electronic Telephone Sets

503-100-129

2992C

MET Sets Multibutton

Electronic Telephone Sets

503-100-130

2993A

MET Sets Multibutton

Electronic Telephone Sets

503-100-129

2993C

MET Sets Multibutton

Electronic Telephone Sets

503-100-130

2994C

MET Sets Multibutton

Electronic Telephone Sets

503-100-130

*Maintenance Support*

HORIZON Communication System

518-451-300

**HOSPITAL INTERPHONE—SEE COMMUNICATION**

**SYSTEM**

**HOUSE BRACKET**

*General*

080-720-134

**HZM**

*Connections*

*Identification*

*Installation*

*Maintenance*

*Operation*

Protective Connecting

Arrangement

IB463-382-102

**I; 5000AM TRANSACTION—SEE 5000AM**

**TRANSACTION I**

**IDENTIFICATION ANNOUNCEMENT**

**AMPLIFIERS; TRUNK—SEE TRUNK**

**IDENTIFICATION ANNOUNCEMENT**

**AMPLIFIERS**

**IDENTIFICATION CONTROL CIRCUIT**

**J53131W; TRUNK—SEE TRUNK**

**IDENTIFICATION CONTROL CIRCUIT**

**J53131W**

**IDENTIFICATION EQUIPMENT; AREA—SEE**

**AREA IDENTIFICATION EQUIPMENT**

**IMPACT TOOL**

*Identification*

*Termination*

B

080-127-100

**INCOMING CALL IDENTIFICATION AND TRUNK**

**GROUP BUSY LAMP FEATURE**

*Connections*

*Identification*

*Installation*

757A Private Branch Exchange

551-234-216

**INCOMING DIAL PULSE REGISTER**

**(SD-66739-01)**

*Operation Tests*

757A Private Branch Exchange

551-267-501

**INCOMING REGISTER LINK CIRCUIT**

*Operation Tests*

757A Private Branch Exchange

551-266-501

**INCOMING SELECTOR AND DIAL REPEATING**

**TIE TRUNK**

*Connections*

701PK Private Branch Exchange

542-015-205

**INCOMING TRUNK (SD-65812-01)**

*Operation Tests*

701B Private Branch Exchange

540-540-501

**INCOMING TRUNK CIRCUIT**

*Operation Tests Using Test Set*

*(SD-65983-01, J5313AG)*

2A Automatic Call Distributing

System

476-237-501

**INCOMING TRUNK CIRCUIT (SD-1E070-01);**

**AUXILIARY—SEE AUXILIARY INCOMING TRUNK**

**CIRCUIT (SD-1E070-01)**

**INCOMING TRUNK CIRCUIT (SD-5E004-01)**

*Operation Tests*

Step-By-Step Private Branch

Exchange

540-540-507

**INCOMING TRUNK CIRCUIT (SD-65792-01)**

*Operation Tests*

700C Private Branch Exchange

540-540-506

701A Private Branch Exchange

540-540-506

701B Private Branch Exchange

540-540-506

702A Private Branch Exchange

540-540-506

**INCOMING TRUNK CIRCUIT (SD-66896-01);**

**AUXILIARY—SEE AUXILIARY INCOMING TRUNK**

**CIRCUIT (SD-66896-01)**

**INCOMING TRUNK CIRCUIT (SD-67042-01)**

*Operation Tests*

758C Private Branch Exchange

551-537-500

**INCOMING TRUNK UNITS; AUXILIARY—SEE**

**AUXILIARY INCOMING TRUNK UNITS**

**INCOMING TRUNKS (SD-65961-01 AND**

**SD-65978-01)**

*Operation Tests*

3A Automatic Call Distributing

System

476-323-501

**INDICATOR; LAMP—SEE LAMP INDICATOR**

**INDUCTIVE NOISE**

500-112-100

**INDUCTOR, 1542A, AM**

*For Telephone Sets*

Radio Signal Suppression

SA500-150-100

**INDUSTRIAL REPORTING SYSTEM**

*Circuit Tests*

520-Type Private Branch

Exchange

473-219-500

*General Description*

520-Type Private Branch

Exchange

981-225-101

*Method of Operation*

520-Type Private Branch

Exchange

473-219-300

<b>INFORMATION DESK; PBX—SEE PBX INFORMATION DESK</b>			
<b>INFORMATION TRANSMITTER (BIT); BILLING—SEE BILLING INFORMATION TRANSMITTER (BIT)</b>			
<b>INFORMATION TRANSMITTER (BIT); BRLLING—SEE BRLLING INFORMATION TRANSMITTER (BIT)</b>			
<b>INHIBITORS, CORROSION AND MOISTURE</b>			
<i>Description</i>			
<i>Use</i>			
For Station Apparatus	080-710-101		
<b>INSIDE WIRING CABLE CLAMP</b>			
<i>General</i>	080-720-146		
<b>INSIDE WIRING NAIL</b>			
<i>General</i>	080-720-106		
<b>INSULATED SCREW EYE</b>			
<i>General</i>	080-720-138		
<b>INSULATING BASE</b>			
<i>Identification</i>			
ED-91180-70	KA463-140-100		
<b>INSULATING GLOVES</b>			
<i>Inspection</i>	075-141-501		
<i>Reference</i>	SB460-300-103		
<i>Test</i>	075-141-501		
<b>INSULATOR</b>			
Coil Spring B	SB460-110-100		
Terminal Clip B, C, D	SB460-110-100		
<b>INSULATOR SUPPORT</b>			
<i>General</i>			
B	080-720-136		
C	080-720-136		
D	080-720-136		
<b>INTERCEPTING TRUNK CIRCUIT (SD-65846-01)</b>			
<i>Operation Tests</i>			
Step-By-Step Private Branch Exchange	540-540-503		
<b>INTERCEPTING TRUNKS</b>			
<i>Circuit Tests</i>			
Jack and Lamp			
700C (Manual Switchboard)			
Private Branch Exchange	541-004-668		
<b>INTERCEPTING, TONE, AND ANNOUNCEMENT TRUNKS</b>			
<i>Operation Tests</i>			
700C Private Branch Exchange	540-175-501		
701A Private Branch Exchange	540-175-501		
701B Private Branch Exchange	540-175-501		
701PK Private Branch Exchange	540-175-501		
702A Private Branch Exchange	540-175-501		
740E Private Branch Exchange	540-175-501		
<b>INTERCOM SERVICES</b>			
<i>Service</i>			
1A Key Telephone Systems	KB518-112-422		
<b>INTERCOMMUNICATING SYSTEM</b>			
School to Home KS-12057			
<i>Connections</i>	512-530-200		
<i>Identification</i>	512-530-100		
<i>Installation</i>	512-530-200		
<i>Maintenance</i>	512-530-200		
School to Home KS-19120			
<i>Connections</i>	512-531-200		
<i>Identification</i>	512-531-100		
<i>Installation</i>	512-531-200		
<i>Maintenance</i>	512-531-200		
<b>INTERCOMS; MANUAL—SEE MANUAL INTERCOMS</b>			
<b>INTERCONNECTING DEVICES</b>			
<i>Identification</i>			
<i>Maintenance</i>			
<i>Operation</i>			
Common Equipment			
142A Test Set		463-300-113	
<b>INTERCONNECTING UNIT</b>			
Interconnecting Control Unit			
<i>Connections</i>			
<i>Identification</i>			
<i>Installation</i>			
<i>Maintenance</i>			
F-58010		463-300-110	
Interconnecting Devices			
<i>Connections</i>			
Common Equipment			
604A Panel		IA463-300-101	
604B Panel		IA463-300-102	
604C Panel		IA463-300-102	
606A Panel		IA463-300-103	
615A Panel		463-300-104	
<i>General Information</i>		IA463-300-100	
<i>Identification</i>			
Common Equipment			
604A Panel		IA463-300-101	
604B Panel		IA463-300-102	
604C Panel		IA463-300-102	
606A Panel		IA463-300-103	
615A Panel		463-300-104	
<i>Installation</i>			
Common Equipment			
604A Panel		IA463-300-101	
604B Panel		IA463-300-102	
604C Panel		IA463-300-102	
606A Panel		IA463-300-103	
615A Panel		463-300-104	
<i>Selection</i>		IA463-300-100	
Interconnecting Key Telephone Unit			
<i>Connections</i>			
<i>Identification</i>			
<i>Installation</i>			
<i>Maintenance</i>			
F-58006		463-300-140	
F-58007		463-300-150	
Interconnecting Unit			
<i>Connections</i>			
<i>Identification</i>			
<i>Installation</i>			
<i>Maintenance</i>			
<i>Operation</i>			
119A		IB463-361-100	
Voice Coupler			
<i>Connections</i>			
<i>Identification</i>			
<i>Installation</i>			
<i>Maintenance</i>			
F-58008		463-300-130	
<b>INTERFACE CIRCUIT (SD-66886-01 OR SD-1E054-01)</b>			
<i>Operation Tests</i>			
Step-By-Step Private Branch Exchange		540-702-501	

**SECTION 460-000-006**

**INTERFACE TERMINATION**

*Application Identification Installation Maintenance*

JTA (Used With Conforming Answering Devices Incorporating APCM 463-322-101

JTC (Used With Attested CP Nonpowered Conferencing Devices) IA463-322-100

**INTERFACE TERMINATION; HEADSET—SEE HEADSET INTERFACE TERMINATION**

**INTERFACE TRUNK CIRCUIT**

*Connections Identification Installation Maintenance Operation*

DCW IA463-332-120

**INTERFACE TRUNK CIRCUIT (5D-66926-01)**

*General Description*

For PBX Systems, No. 5 Crossbar, and No. 1 and No. 101 Electronic Switching System 981-261-100

*Operation Tests*

Common Group TOUCH-TONE\* Calling Equipment with Crossbar Link Access Private Branch Exchange 540-702-502

**INTERFACE TRUNK CIRCUIT J58824CD (SD-66926-01)**

*Connections Identification Installation*

800A Private Branch Exchange 553-105-213

**INTERFACE; REGISTRATION—SEE REGISTRATION INTERFACE**

**REGISTRATION INTERFACE**

**INTERFERENCE; ELECTROMAGNETIC—SEE ELECTROMAGNETIC INTERFERENCE**

**INTERPHONE SYSTEM**

**1A Home**

*Connections*

1511-Type Telephone Set 512-510-421

1558D Telephone Set 512-510-423

1712B Telephone Set 512-510-426

1751-Type Telephone Set 512-510-428

1752-Type Telephone Set 512-510-430

2511F/H Telephone Set 512-510-441

2558D Telephone Set 512-510-443

2712B Telephone Set 512-510-446

2751-Type Telephone Set 512-510-448

2752-Type Telephone Set 512-510-450

2754-Type Telephone Set 512-510-452

**INTERPHONE SYSTEM (Cont)**

**1A Home (Cont)**

*Connections (Cont)*

511-Type Telephone Set 512-510-401

558-Type Telephone Set 512-510-403

711B Telephone Set 512-510-405

712B Telephone Set 512-510-406

751-Type Telephone Set 512-510-408

752-Type Telephone Set 512-510-410

754-Type Telephone Set 512-510-412

*Identification* 512-510-100

*Installation* 512-510-200

*Maintenance* 512-510-200

1511-Type Telephone Set 512-510-421

1558D Telephone Set 512-510-423

1712B Telephone Set 512-510-426

1751-Type Telephone Set 512-510-428

1752-Type Telephone Set 512-510-430

2511F/H Telephone Set 512-510-441

2558D Telephone Set 512-510-443

2712B Telephone Set 512-510-446

2751-Type Telephone Set 512-510-448

2752-Type Telephone Set 512-510-450

2754-Type Telephone Set 512-510-452

511-Type Telephone Set 512-510-401

558-Type Telephone Set 512-510-403

711B Telephone Set 512-510-405

712B Telephone Set 512-510-406

751-Type Telephone Set 512-510-408

752-Type Telephone Set 512-510-410

754-Type Telephone Set 512-510-412

*Operation*

**2A Farm**

*Connections*

1511D Telephone Set 512-515-412

1511F/H Telephone Set 512-515-412

1558D Telephone Set 512-515-414



**INTERPHONE SYSTEM (Cont)**

## 2A Farm (Cont)

*Connections (Cont)*

1712B	
Telephone Set	512-515-418
2511F	
Telephone Set	512-515-422
2558D	
Telephone Set	512-515-424
2712B	
Telephone Set	512-515-428
511C/D	
Telephone Set	512-515-402
511F/H	
Telephone Set	512-515-402
558C/D	
Telephone Set	512-515-404
558F	
Telephone Set	512-515-404
711B	
Telephone Set	512-515-407
712B	
Telephone Set	512-515-408

*Identification*

E1D Ringer	512-515-100
KS-16846, L1 Loudspeaker	512-515-100
54A, B Control Unit	512-515-100
759B Loudspeaker	512-515-100
760A Loudspeaker	512-515-100

*Installation*

E1D Ringer	512-515-200
KS-16846, L1 Loudspeaker	512-515-200
54A, B Control Unit	512-515-200
759B Loudspeaker	512-515-200
760A Loudspeaker	512-515-200

*Maintenance*

E1D Ringer	512-515-200
KS-16846, L1 Loudspeaker	512-515-200
1511D	
Telephone Set	512-515-412
1511F/H	
Telephone Set	512-515-412
1558D	
Telephone Set	512-515-414
1712B	
Telephone Set	512-515-418
2511F	
Telephone Set	512-515-422
2558D	
Telephone Set	512-515-424
2712B	
Telephone Set	512-515-428
511C/D	
Telephone Set	512-515-402
511F/H	
Telephone Set	512-515-402
54A, B Control Unit	512-515-200
558C/D	
Telephone Set	512-515-404
558F	
Telephone Set	512-515-404
711B	
Telephone Set	512-515-407
712B	
Telephone Set	512-515-408
759B Loudspeaker	512-515-200

**INTERPHONE SYSTEM (Cont)**

## 2A Farm (Cont)

*Maintenance (Cont)*

760A Loudspeaker	512-515-200
<i>Operation</i>	
E1D Ringer	512-515-100
KS-16846, L1 Loudspeaker	512-515-100
54A, B Control Unit	512-515-100
759B Loudspeaker	512-515-100
760A Loudspeaker	512-515-100

**INTERRUPTER**

## Key Telephone Unit

*Connections**Identification*

232-Type	518-310-403
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**INTERRUPTER CIRCUIT (SD-65923-01)***Operation Test*

758A/B Switching System	551-470-507
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*Operation Tests*

758A Private Branch Exchange	551-464-501
758B Private Branch Exchange	551-464-501

**INTERRUPTER, 1000-CYCLE-SUPPLY, AND****DISTRIBUTING CIRCUIT (SD-67069-01)***Operation Tests*

758C Private Branch Exchange	551-528-500
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**INTERRUPTERS***Replacement Parts and Procedures*

KS-15634	163-220-801
KS-15757	163-220-801

*Requirements and Adjusting**Procedures*

KS-15634	163-220-701
KS-15757	163-220-701

**INVERTER***Identification**Maintenance*

KS-15662, DC-AC	
Telephone Answering Set	514-112-100

**INWARD DIALING TRUNK (SD-66740-01 AND SD-1E003-01); DIRECT—SEE DIRECT INWARD DIALING TRUNK (SD-66740-01 AND SD-1E003-01)****INWARD DIALING TRUNK (SD-66741-01****AND SD-1E004-01); DIRECT—SEE DIRECT****INWARD DIALING TRUNK (SD-66741-01****AND SD-1E004-01)****INWARD DIALING TRUNK (SD-5E046-01 OR****SD-5E047-01); DIRECT—SEE DIRECT****INWARD DIALING TRUNK (SD-5E046-01 OR****SD-5E047-01)****IRON; SOLDERING—SEE SOLDERING IRON****ISOLATOR; RINGER—SEE RINGER ISOLATOR****JACK**

## Television

SKL964-16U	461-630-115
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**JACK CONTACTS; KEY AND—SEE KEY AND****JACK CONTACTS****JACK UNIT (J59013L FOR MANUAL****CONFERENCE CIRCUIT)***Connections**Identification**Installation*

557A Private Branch Exchange	473-601-201
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**JACKS***Cleaning Flares*

	069-387-801
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**SECTION 460-000-006**

**JACKS (Cont)**

*Identification Service*

For Portable Telephone Sets SB461-630-100

**JTA (USED WITH CONFORMING ANSWERING DEVICES INCORPORATING APCM**

*Application*

*Identification*

*Installation*

*Maintenance*

Interface Termination 463-322-101

**JTC (USED WITH ATTESTED CP NONPOWERED CONFERENCING DEVICES)**

*Application*

*Identification*

*Installation*

*Maintenance*

Interface Termination IA463-322-100

**JUNCTOR CIRCUIT**

*Operation Tests*

756A Private Branch Exchange 551-173-501

757A Private Branch Exchange 551-273-501

**KEY (718, 1434, 2152); COM—SEE COM KEY (718, 1434, 2152)**

**KEY AND JACK CONTACTS**

*Method of Cleaning* 069-386-801

**KEY EQUIPMENT**

*Connections*

1A Common Battery 512-310-400

Local Battery Talking-Common

Battery Signaling 512-310-401

100 512-330-400

101A 512-332-400

101B 512-332-400

103A

Secretarial Answering

Service 512-336-100

2A 512-312-400

2B 512-312-400

4A

Common Battery Signaling SD512-314-400

Common Battery Talking SD512-314-400

Local Battery 512-314-401

5A 512-316-400

5B 512-316-400

*Description*

103A

Secretarial Answering

Service 512-336-100

*Description and Use*

102A 512-334-100

111A 512-344-100

*Identification*

100 512-330-100

101A 512-332-100

101B 512-332-100

2A 512-312-100

2B 512-312-100

4A SD512-314-100

5A 512-316-100

5B 512-316-100

*Installation*

100 512-330-200

101A 512-332-200

101B 512-332-200

**KEY EQUIPMENT (Cont)**

*Installation (Cont)*

103A

Secretarial Answering

Service 512-336-100

4A SD512-314-100

5A 512-316-200

5B 512-316-200

*Maintenance*

100 512-330-300

101A 512-332-300

101B 512-332-300

103A

Secretarial Answering

Service 512-336-100

4A SD512-314-100

5A 512-316-200

5B 512-316-200

*Operation*

103A

Secretarial Answering

Service 512-336-100

100

*Connections*

213B

Key Telephone Unit 518-310-400

*Description*

213B

Key Telephone Unit 518-310-400

101A

*Connections*

213B

Key Telephone Unit 518-310-400

*Description*

213B

Key Telephone Unit 518-310-400

101B

*Connections*

213B

Key Telephone Unit 518-310-400

*Description*

213B

Key Telephone Unit 518-310-400

102A

*Connections*

213B

Key Telephone Unit 518-310-400

*Description*

213B

Key Telephone Unit 518-310-400

112A

*Description of Equipment*

*Arrangements for Sage Systems* 480-510-100

*Description of Operation for Sage*

*System*

Alternate Termination Transfer

Circuit (SD-69492-01) 480-510-105

Conference Circuit

(SD-69490-01) 480-510-105

**KEY MOUNTING**

*Connections*

1400 Series 30 to 90 Line Size 512-240-400

1400 Series 6 to 18 Line Size 512-240-401

2400 Series 30 to 90 Line Size 512-240-400

2400 Series 6 to 18 Line Size 512-240-401

400 Series 30 to 120 Line Size 512-240-400

**KEY MOUNTING (Cont)***Connections (Cont)*

400 Series 6 to 18 Line Size 512-240-401

*Identification*

1400 Series 30 to 90 Line Size 512-240-100

1400 Series 6 to 18 Line Size 512-240-101

2400 Series 30 to 90 Line Size 512-240-100

2400 Series 6 to 18 Line Size 512-240-101

400 Series 30 to 120 Line Size 512-240-100

400 Series 6 to 18 Line Size 512-240-101

*Installation*

1400 Series 30 to 90 Line Size 512-240-200

1400 Series 6 to 18 Line Size 512-240-201

2400 Series 30 to 90 Line Size 512-240-200

2400 Series 6 to 18 Line Size 512-240-201

400 Series 30 to 120 Line Size 512-240-200

400 Series 6 to 18 Line Size 512-240-201

*Maintenance*

1400 Series 30 to 90 Line Size 512-240-200

1400 Series 6 to 18 Line Size 512-240-201

2400 Series 30 to 90 Line Size 512-240-200

2400 Series 6 to 18 Line Size 512-240-201

400 Series 30 to 120 Line Size 512-240-200

400 Series 6 to 18 Line Size 512-240-201

*Selection*

1400 Series 30 to 90 Line Size 512-240-100

1400 Series 6 to 18 Line Size 512-240-101

2400 Series 30 to 90 Line Size 512-240-100

2400 Series 6 to 18 Line Size 512-240-101

400 Series 30 to 120 Line Size 512-240-100

400 Series 6 to 18 Line Size 512-240-101

## Telephone Set Components

*Connections**Identification**Installation**Maintenance*

Customer-Owned Enclosures 501-420-101

**KEY MOUNTINGS (400-TYPE)***General*

Colored Buttons 463-210-110

**KEY SERVICE UNIT***Connections (One Line and 6-Station Single Link Intercom)*

650A

1P2 Key Telephone Systems 518-800-409

*Connections (2-Line)*

650A

1P2 Key Telephone Systems 518-800-405

*Connections (10-Station Single Link Intercom)*

650A

1P2 Key Telephone Systems 518-800-413

*Identification*

650A

1P2 Key Telephone Systems 518-800-115

*Installation*

650A

1P2 Key Telephone Systems 518-800-115

*Reference*

1A1 Key Telephone Systems KB518-114-120

*Service*

1A1 Key Telephone Systems KB518-114-432

501-Type

1A2 Key Telephone Systems 518-215-404

502-Type

1A2 Key Telephone Systems 518-215-404

**KEY SERVICE UNIT (Cont)***Service (Cont)*

513-Type

1A2 Key Telephone Systems KB518-215-405

514-Type

1A2 Key Telephone Systems KB518-215-405

515-Type

1A2 Key Telephone Systems KB518-215-405

550-Type

1A2 Key Telephone Systems KB518-215-407

551-Type

1A2 Key Telephone Systems KB518-215-407

580A

*Arrangement*

COM KEY

Telephone Sets (832- or KB518-450-103

2832-Type)

KC518-450-103

**KEY SERVICE UNITS***General Information*

Power Unit Selection Key

Telephone Systems KB518-010-106

**KEY TELEPHONE SET***Basic Wiring Requirements*

Standard Features and Options KA502-110-100

*Connections*

1565GK(MD)

756A Private Branch

Exchange 551-129-211

2565GK

756A Private Branch

Exchange 551-129-211

565GBR

756A Private Branch

Exchange 551-129-210

565GK

756A Private Branch

Exchange 551-129-211

*Dial Restriction*

General

Colored Buttons

463-210-110

*Installation*

1565GK(MD)

756A Private Branch

Exchange 551-129-211

2565GK

756A Private Branch

Exchange 551-129-211

565GBR

756A Private Branch

Exchange 551-129-210

565GK

756A Private Branch

Exchange 551-129-211

**KEY TELEPHONE SET, 2626A1***Maintenance Tests*

307 Switching System

480-714-305

**KEY TELEPHONE SET, 6-BUTTON***Method of Operation*

Attendant Equipment

756A Private Branch

Exchange 551-160-310

**KEY TELEPHONE SET—SEE TELEPHONE SET****KEY TELEPHONE SYSTEM**

8A

**SECTION 460-000-006**

**KEY TELEPHONE SYSTEM (Cont)**

8A (Cont)	
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Administrative Data System (BOFADS)	476-360-101
213B	
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Business Office Force	
Administrative Data System (BOFADS)	476-360-101
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Business Office Force	
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(Identification, Arrangements)	KB518-114-105
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## 1A2 (Cont)

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515-Type	
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551-Type	
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69G	
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Administrative Data System	
(BOFADS)	476-360-101

## 1P2

*Connections (One Line and 6-Station Single Link Intercom)*

J53051A	
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650A	
Key Service Unit	518-800-409

*Connections (Single Group and Multigroup Line)*

J53051B	
Equipment Bay	518-800-429

*Connections (2- or 3-Link Intercom)*

J53051C	
Equipment Bay	518-800-437

## KEY TELEPHONE SYSTEMS (Cont)

## 1P2 (Cont)

*Connections (2-Line)*

J53051A	
Equipment Bay	518-800-417
650A	
Key Service Unit	518-800-405

*Connections (10-Station Single Link Intercom)*

650A	
Key Service Unit	518-800-413

*Connections (10-Station Single Link Intercom)*

J53051A	
Equipment Bay	518-800-425

*General Description*

2C Video Telephone Station	518-800-100
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*Identification*

J53051A	
Equipment Bay	518-800-120

J53051B	
Equipment Bay	518-800-122

600 Series	
Key Telephone Unit	518-800-105

650A	
Key Service Unit	518-800-115

*Identification (2- or 3-Link Intercom)*

J53051C	
Equipment Bay	518-800-128

*Installation*

J53051A	
Equipment Bay	518-800-120

J53051B	
Equipment Bay	518-800-122

650A	
Key Service Unit	518-800-115

*Installation (2- or 3-Link Intercom)*

J53051C	
Equipment Bay	518-800-128

*Method of Operation (2- or 3-Link Intercom)*

Trouble Locating (2- or 3-Link Intercom)	518-800-305
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*Trouble Locating (2- or 3-Link Intercom)*

J53051C	
Equipment Bay	518-800-507

*Trouble Locating Procedures (Single and Multigroup Line)*

Equipment Bay	518-800-505
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## 2A

Connections	518-510-400
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Identification	518-510-100
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Installation	518-510-200
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Maintenance	518-510-200
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## 2B

Connections	518-510-400
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Identification	518-510-100
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Installation	518-510-200
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Maintenance	518-510-200
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## 6A

Connections	
Holding Arrangement for 6A	
Stations using 1A or 1A1 Line	
and Signaling Circuits	518-410-403

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**KEY TELEPHONE SYSTEMS (Cont)**

6A (Cont)

*Connections (Cont)*

Single-Talking Link 518-410-401  
Two-Talking Link 518-410-402

*Identification*

518-410-100

*Installation*

518-410-100

*Maintenance*

Selector Only Arrangement 518-410-300  
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6B

*Connections*

DIALOG Intercom System 518-411-100

*Description*

DIALOG Intercom System 518-411-100

*Installation*

DIALOG Intercom System 518-411-100

*Maintenance*

DIALOG Intercom System 518-411-100

**KEY TELEPHONE UNIT**

*Connections*

213B

1A Key Telephone Systems 518-310-400  
1A1 Key Telephone Systems 518-310-400  
100 Key Equipment 518-310-400  
101A Key Equipment 518-310-400  
101B Key Equipment 518-310-400  
102A Key Equipment 518-310-400

227A

Audible and Visual Signaling KB518-310-401

227B

Audible and Visual Signaling KB518-310-401

232-Type

Interrupter 518-310-403

235-Type

Station Line Concentrator KB518-310-405

236-Type

Station Line Concentrator KB518-310-405

237-Type

Conferencing PBX Lines KB518-310-407

*Description*

213B

1A Key Telephone Systems 518-310-400  
1A1 Key Telephone Systems 518-310-400  
100 Key Equipment 518-310-400  
101A Key Equipment 518-310-400  
101B Key Equipment 518-310-400  
102A Key Equipment 518-310-400

*Identification*

227A

Audible and Visual Signaling KB518-310-401

227B

Audible and Visual Signaling KB518-310-401

228A

518-310-105

232-Type

Interrupter 518-310-403

235-Type

Station Line Concentrator KB518-310-405

236-Type

Station Line Concentrator KB518-310-405

**KEY TELEPHONE UNIT (Cont)**

*Identification (Cont)*

237-Type

Conferencing PBX Lines KB518-310-407

259-Type

518-300-413

265A

518-310-105

271A

518-300-416

272A

518-300-417

600 Series

1P2 Key Telephone Systems 518-800-105

*Operation*

237-Type

Conferencing PBX Lines KB518-310-407

*Reference*

1A1 Key Telephone Systems KB518-114-110

*Service*

Line Services

1A2 Key Telephone Systems KB518-215-400

1A1 Key Telephone Systems KB518-114-425

400-Series

1A2 Key Telephone Systems KB518-215-400

400-Type

*Connections*

601-Type

Panels KB518-215-418

602-Type

Panels KB518-215-418

603-Type

Panels KB518-215-418

**KEY TELEPHONE UNIT; PACKAGED—SEE**

**PACKAGED KEY TELEPHONE UNIT**

**KEY TELEPHONE UNITS**

*Service*

Auxiliary Line Service

1A2 Key Telephone Systems KB518-215-401

Control Service

1A2 Key Telephone Systems KB518-215-403

Intercom Service

1A2 Key Telephone Systems KB518-215-402

**KEY 1434; COM—SEE COM KEY 1434**

**KEY 2152; COM—SEE COM KEY 2152**

**KEY 416 (USING 981/2981- AND 983/2983-TYPE TELEPHONE SETS); COM—SEE**

**COM KEY 416 (USING 981/2981- AND 983/2983-TYPE TELEPHONE SETS)**

**KEY 416; COM—SEE COM KEY 416**

**KEY 718; COM—SEE COM KEY 718**

**KEYS**

*Flashing and Release*

*Identification*

621A 512-230-103

622A 512-230-103

*Pushbutton*

*Connections*

*Identification*

*Installation*

*Maintenance*

549-Type 512-220-100

551-Type 512-220-100

*Separately Mounted*

*Connections*

KS-21254 Lever Type KA512-210-101

6017-Lever Type KA512-210-101

6021-Type 512-210-102

6022-Type 512-210-102

**KEYS (Cont)**

## Separately Mounted (Cont)

*Connections (Cont)*

6023-Type	512-210-102
6026-Lever Type	KA512-210-101
6027-Type	512-210-102
6028-Type	512-210-102
6030A	

For Impaired Hearing

6040-Type	512-215-100
6041-Type	KA512-210-103
6050-Type	KA512-210-103
6051-Type	KA512-210-103

*Identification*

KS-21254 Lever Type	KA512-210-101
6017-Lever Type	KA512-210-101
6021-Type	512-210-102
6022-Type	512-210-102
6023-Type	512-210-102
6026-Lever Type	KA512-210-101
6027-Type	512-210-102
6028-Type	512-210-102
6030A	

For Impaired Hearing

6040-Type	512-215-100
6041-Type	KA512-210-103
6050-Type	KA512-210-103
6051-Type	KA512-210-103

*Installation*

KS-21254 Lever Type	KA512-210-101
6017-Lever Type	KA512-210-101
6021-Type	512-210-102
6022-Type	512-210-102
6023-Type	512-210-102
6026-Lever Type	KA512-210-101
6027-Type	512-210-102
6028-Type	512-210-102
6030A	

For Impaired Hearing

6040-Type	512-215-100
6041-Type	KA512-210-103
6050-Type	KA512-210-103
6051-Type	KA512-210-103

*Service*

6040D	502-541-419
6040K	502-541-419
6041D	502-541-419
6041K	502-541-419

## Switching and Pushbutton

*Identification**Modular Type*

KS-Type Connector Equipped	512-230-100
Terminal Plug Receptacle Equipped	512-230-101

598-Type	
KS-Type Connector Equipped	512-230-100

599-Type	
KS-Type Connector Equipped	512-230-100

617A	
KS-Type Connector Equipped	512-230-100

635-Type	
Terminal Plug Receptacle Equipped	512-230-101

647-Type	
Terminal Plug Receptacle Equipped	512-230-101

**KEYS (Cont)**

## Switching and Pushbutton (Cont)

*Identification (Cont)*

656-Type	
KS-Type Connector Equipped	512-230-100

657-Type	
KS-Type Connector Equipped	512-230-100

658-Type	
Terminal Plug Receptacle Equipped	512-230-101

*Installation*

Modular Type	
KS-Type Connector Equipped	512-230-100

Terminal Plug Receptacle Equipped	512-230-101
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598-Type	
KS-Type Connector Equipped	512-230-100

599-Type	
KS-Type Connector Equipped	512-230-100

617A	
KS-Type Connector Equipped	512-230-100

635-Type	
Terminal Plug Receptacle Equipped	512-230-101

647-Type	
Terminal Plug Receptacle Equipped	512-230-101

656-Type	
KS-Type Connector Equipped	512-230-100

657-Type	
KS-Type Connector Equipped	512-230-100

658-Type	
Terminal Plug Receptacle Equipped	512-230-101

*Maintenance*

Modular Type	
KS-Type Connector Equipped	512-230-100

Terminal Plug Receptacle Equipped	512-230-101
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598-Type	
KS-Type Connector Equipped	512-230-100

599-Type	
KS-Type Connector Equipped	512-230-100

617A	
KS-Type Connector Equipped	512-230-100

635-Type	
Terminal Plug Receptacle Equipped	512-230-101

647-Type	
Terminal Plug Receptacle Equipped	512-230-101

656-Type	
KS-Type Connector Equipped	512-230-100

657-Type	
KS-Type Connector Equipped	512-230-100

658-Type	
Terminal Plug Receptacle Equipped	512-230-101

*Telephone Set Components*

656-Type	
KS-Type Connector Equipped	512-230-100

657-Type	
KS-Type Connector Equipped	512-230-100

658-Type	
Terminal Plug Receptacle Equipped	512-230-101

*Connections*

Customer-Owned Enclosures	501-420-101
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*Identification*

Customer-Owned Enclosures	501-420-101
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*Installation*

Customer-Owned Enclosures	501-420-101
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**KEYS (Cont)**

Telephone Set Components (Cont)  
Maintenance

Customer-Owned Enclosures 501-420-101

**KIT OF PARTS**

D-180489

Identification

Noisy Conditions 501-376-100

**KIT PLAN**

Connections

Identification

Installation

Maintenance

Telephone Set Bases 503-100-110

**KITS FOR STATION SETS;**

**MODIFICATION—SEE MODIFICATION KITS FOR STATION SETS**

**KNOB**

General

C

080-720-143

S

080-720-132

T

080-720-132

**KS-16301L15, L16, L17**

Identification

Relay Auxiliary Signals

SA463-110-100

**KS-16301L2, L5, L6**

Identification

Horns Auxiliary Signals

SA463-110-100

**KS-16301L3, L4, L8**

Identification

Auxiliary Signals

SA463-110-100

**KS-16301L9, L11, L19**

Identification

Back Box Auxiliary Signals

SA463-110-100

**KS-20614**

Identification

Relay Auxiliary Signals

SA463-110-100

**KS-8547L1, L2, L3, L4**

Identification

Auxiliary Signals

SA463-110-100

**KTX**

Connections

Identification

Installation

Maintenance

Operation

Connecting Arrangement 463-382-104

**LADDER**

Combination

B

081-741-100

C

081-741-100

**LADDER PLATFORM**

Description

Use

C

081-740-106

**LADDER SUPPORT**

Description

B

081-740-105

C

081-740-105

E

081-740-106

Use

E

081-740-106

**LADDER TREAD**

Description

Use

B

081-740-106

**LADDER; EXTENSION—SEE EXTENSION**

LADDER

**LADDER; FOOT—SEE FOOT LADDER**

**LADDERS**

Reference

SB460-300-108

**LAMP EXTRACTOR**

Description

Use

KS-21144L1

075-126-301

**LAMP INDICATOR**

Identification

14-Type

KA463-210-100

15-Type

KA463-210-100

16-Type

KA463-210-100

17-Type

KA463-210-100

18-Type

KA463-210-100

20-Type

KA463-210-100

21-Type

KA463-210-100

**LAMP SIGNAL SUPPLY CIRCUIT**

(SD-67076-01); FLUTTER-FLASH—SEE FLUTTER-FLASH LAMP SIGNAL SUPPLY CIRCUIT (SD-67076-01)

**LAMP SOCKET**

Description

69-Type

463-211-100

Identification

59A

Modular Unit

512-230-100

76A

Modular Unit

512-230-101

Installation

59A

Modular Unit

512-230-100

76A

Modular Unit

512-230-101

Maintenance

59A

Modular Unit

512-230-100

76A

Modular Unit

512-230-101

**LEAD SLEEVE SLITTER; B—SEE B LEAD**

SLEEVE SLITTER

**LEATHER BODY BELT**

Description

SB081-720-101

Use

SB081-720-101

**LETTERING AND NUMBERING**

General Requirements and Methods

069-399-201

**LEVEL DETECTOR; COIN—SEE COIN LEVEL**

DETECTOR

**LIGHT AND BLOWER UNIT**

Identification

Installation

Maintenance

KS-19207

CB508-820-100

**LIGHT CONTROLS**

Identification

Installation

Maintenance

KS-19261

CB508-825-100

**LIGHT FIXTURE**

Booth and Directory

2-Type

508-815-100

4-Type

508-815-100

**LINE AUXILIARY CIRCUIT (POWERED FROM**

CO); PRIVATE—SEE PRIVATE LINE

AUXILIARY CIRCUIT (POWERED FROM CO)



LINE CIRCUIT (E AND M LEAD SIGNALING SD-66797-01); DIAL—SEE DIAL LINE CIRCUIT (E AND M LEAD SIGNALING SD-66797-01)		
LINE CIRCUIT (SD-65799-01); AUXILIARY—SEE AUXILIARY LINE CIRCUIT (SD-65799-01)		
LINE CIRCUIT (SD-65977-01); ATTENDANT—SEE ATTENDANT LINE CIRCUIT (SD-65977-01)		
LINE CIRCUIT (SD-99545-01); LONG—SEE LONG LINE CIRCUIT (SD-99545-01)		
LINE CIRCUIT 4-WIRE (SD-67053-01); STATION—SEE STATION LINE CIRCUIT 4-WIRE (SD-67053-01)		
LINE CIRCUIT 4-WIRE (SD-67067-01, SD-67067-02, SD-67087-01, SD-67095-01); STATION—SEE STATION LINE CIRCUIT 4-WIRE (SD-67067-01, SD-67067-02, SD-67087-01, SD-67095-01)		
LINE CIRCUITS (CENTRAL OFFICE EQUIPMENT); LONG—SEE LONG LINE CIRCUITS (CENTRAL OFFICE EQUIPMENT)		
LINE CIRCUITS; STATION—SEE STATION LINE CIRCUITS		
LINE CONCENTRATOR		
1A Line Concentrator		
<i>Operating Methods</i>		
KS-15917, L3 Battery Supply	167-285-301	
LINE CONCENTRATOR (CENTRAL OFFICE EQUIPMENT)		
<i>Operation Tests</i>		
520-Type PBX Emergency Reporting System	067-302-503	
<i>Operation Tests Using Central Office Test Circuit SD-98067-01</i>		
520-Type PBX Emergency Reporting System	067-301-501	
<i>Recording, Analysis, and Handling Trouble Indicator Reports</i>		
520-Type PBX Emergency Reporting System	067-302-301	
LINE CONCENTRATOR (CENTRAL OFFICE EQUIPMENT)		
<i>Tests Using Test Circuit SD-98067-01</i>		
520-Type PBX Emergency Reporting System	067-302-501	
LINE CONCENTRATOR (CENTRAL OFFICE EQUIPMENT)		
<i>Tests Using Test Circuit SD-98067-01</i>		
520-Type PBX Emergency Reporting System	067-302-502	
LINE CONCENTRATOR; STATION—SEE STATION LINE CIRCUIT		
LINE CONCENTRATOR-IDENTIFIER		
Telephone Answering System		
<i>General Descriptive Information</i>		
Electro-Mechanical Central Offices	951-830-100	
Electronic Switching Systems No. 1	951-830-100	
LINE FINDERS		
<i>Operation Tests</i>		
702A Private Branch Exchange	543-020-590	
<i>Operation Tests Using Test Set (SD-90416-01, J94704A)</i>		
701A Private Branch Exchange	540-115-501	
701B Private Branch Exchange	540-115-501	
701PK Private Branch Exchange	540-115-501	
702A Private Branch Exchange	540-115-501	
711A Private Branch Exchange	540-115-501	
711B Private Branch Exchange	540-115-501	
740A Private Branch Exchange	540-115-501	
740AX Private Branch Exchange	540-115-501	
740B Private Branch Exchange	540-115-501	
740C Private Branch Exchange	540-115-501	
LINE FINDERS AND 3-WIRE TRUNK FINDERS		
<i>Group and Chain Circuit Test and Make-Busy from Circuit Beyond</i>		
701A Private Branch Exchange	540-117-503	
701B Private Branch Exchange	540-117-503	
701PK Private Branch Exchange	540-117-503	
711A Private Branch Exchange	540-117-503	
711B Private Branch Exchange	540-117-503	
711PK Private Branch Exchange	540-117-503	
740A Private Branch Exchange	540-117-503	
740AX Private Branch Exchange	540-117-503	
740B Private Branch Exchange	540-117-503	
740C Private Branch Exchange	540-117-503	
740E Private Branch Exchange	540-117-503	
<i>Operation Tests Using Test Set (SD-66073-01, J54701B)</i>		
701A Private Branch Exchange	540-117-501	
701B Private Branch Exchange	540-117-501	
701PK Private Branch Exchange	540-117-501	
711A Private Branch Exchange	540-117-501	
711B Private Branch Exchange	540-117-501	
711PK Private Branch Exchange	540-117-501	
740A Private Branch Exchange	540-117-501	
740AX Private Branch Exchange	540-117-501	
740B Private Branch Exchange	540-117-501	
740C Private Branch Exchange	540-117-501	
740E Private Branch Exchange	540-117-501	
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758A Private Branch Exchange	551-414-500	
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LINE STATUS INDICATOR		
<i>Identification</i>		
<i>Installation</i>		
<i>Maintenance</i>		
24A-Type	463-210-101	
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Telephone Set Components		
<i>Connections</i>		
<i>Identification</i>		
<i>Installation</i>		
<i>Maintenance</i>		
Customer-Owned Enclosures	501-420-101	

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**LINE SWITCHES AND MASTER SWITCHES**

*Operation Tests*

- 700C (Dial Equipment) Private Branch Exchange 541-003-591
- 710C (Dial Equipment) Private Branch Exchange 541-003-591

**LINE TELEPHONE SERVICE; PRIVATE—SEE PRIVATE LINE TELEPHONE SERVICE**

**LINE TELEPHONE; DESIGN—SEE DESIGN LINE TELEPHONE**

**LINE TERMINATING CIRCUIT; PRIVATE—SEE PRIVATE LINE TERMINATING CIRCUIT**

**LINE TERMINATION; PRIVATE—SEE PRIVATE LINE TERMINATION**

**LINE UNIT (J59023G); SECRETARIAL—SEE SECRETARIAL LINE UNIT (J59023G)**

**LINE VERIFICATION; SUBSCRIBER—SEE SUBSCRIBER LINE VERIFICATION**

**LINE WIRE; MULTIPLE—SEE MULTIPLE LINE WIRE**

**LINE, LINK, AND MARKER CIRCUIT**

*Circuit Tests*

- 756A Private Branch Exchange 551-170-501

**LINE, LINK, AND MARKER CIRCUIT (SD-66733-01)**

*Operation Tests*

- 757A Private Branch Exchange 551-270-501

**LINES (AUTOVON); ACCESS—SEE ACCESS LINES (AUTOVON)**

**LINK ALLOTTER CIRCUITS; LINK AND—SEE LINK AND LINK ALLOTTER CIRCUITS**

**LINK AND CONNECTOR CIRCUIT**

*Operation Test*

- 758C Switching System 551-567-500

**LINK AND CONNECTOR CIRCUIT (SD-67041-01)**

*Operation Tests*

- 758C Private Branch Exchange 551-522-500

**LINK AND CONNECTOR CIRCUIT (SD-67109-01)**

*Operation Tests*

- 758C Private Branch Exchange 551-522-500

**LINK AND CONTROLLER CIRCUIT (SD-5E053-01); CROSSBAR—SEE CROSSBAR LINK AND CONTROLLER CIRCUIT (SD-5E053-01)**

**LINK AND LINK ALLOTTER CIRCUITS**

*Operation Tests*

- 755A Private Branch Exchange 550-550-590

**LINK AND SELECT MAGNET CONNECTOR CIRCUIT (SD-65913-01)**

*Operation Tests*

- 758A Private Branch Exchange 551-456-501
- 758B Private Branch Exchange 551-456-501

**LINK CIRCUITS**

*Operation Tests*

- 750A Private Branch Exchange 548-500-590

**LINK, AND MARKER CIRCUIT (SD-66733-01); LINE,—SEE LINE, LINK, AND MARKER CIRCUIT (SD-66733-01)**

**LINK, AND MARKER CIRCUIT; LINE,—SEE LINE, LINK, AND MARKER CIRCUIT**

**LINK, CONTROLLER, AND GATE CIRCUIT**

*Operation Tests Using Test Set (SD-65983-01, J53131AG)*

- 2A Automatic Call Distributing System 476-229-501

**LINK, LOOP, AND CONTROLLER CIRCUIT (SD-66737-01); ATTENDANT—SEE ATTENDANT LINK, LOOP, AND CONTROLLER CIRCUIT (SD-66737-01)**

**LOAD DETECTION CIRCUIT**

*Description*

- 758C Switching System 551-560-100

*Maintenance Procedures*

- 758C Switching System 551-560-300

*Method of Operation*

- 758C Switching System 551-560-100

**LOH (MUSIC ON HOLD, CORD TYPE PBX SWITCHBOARD)**

*Connections*

*Identification*

*Installation*

*Maintenance*

*Operation*

- Voice Connecting Arrangement IA463-331-105

**LONG LINE CIRCUIT (SD-99545-01)**

*Operation Tests*

- 520-Type PBX Emergency Reporting System 473-218-661

**LONG LINE CIRCUITS (CENTRAL OFFICE EQUIPMENT)**

*Tests*

- 520-Type PBX Emergency Reporting System 067-303-501

**LOOP CARRIER SYSTEM; SUBSCRIBER—SEE SUBSCRIBER LOOP CARRIER SYSTEM**

**LOOP CIRCUIT (SD-65813-01) AND POSITION CIRCUIT (SD-65814-01); ATTENDANT—SEE ATTENDANT LOOP CIRCUIT (SD-65813-01) AND POSITION CIRCUIT (SD-65814-01)**

**LOOP CIRCUIT (SD-65830-01); ATTENDANT—SEE ATTENDANT LOOP CIRCUIT (SD-65830-01)**

**LOOP; WIRE—SEE WIRE LOOP**

**LOUDSPEAKER**

*Identification*

- KS-16846, L1 512-515-100

- 759A 512-510-100

- 1A Home Interphone System 512-515-100

- 759B 512-515-100

- 760A 512-515-100

- 761A 512-510-100

- 1A Home Interphone System 512-510-100

- 762A 512-510-100

- 1A Home Interphone System 512-510-100

*Installation*

- KS-16846, L1 512-515-200

- 759A 512-510-200

- 1A Home Interphone System 512-515-200

- 759B 512-515-200

- 760A 512-515-200

- 761A 512-510-200

- 1A Home Interphone System 512-510-200

- 762 512-510-200

- 1A Home Interphone System 512-510-200

**LOUDSPEAKER (Cont)**

<i>Maintenance</i>		
KS-16846, L1	512-515-200	
759A		
1A Home Interphone System	512-510-200	
759B	512-515-200	
760A	512-515-200	
761A		
1A Home Interphone System	512-510-200	
762		
1A Home Interphone System	512-510-200	
<i>Operation</i>		
KS-16846, L1	512-515-100	
759A		
1A Home Interphone System	512-510-100	
759B	512-515-100	
760A	512-515-100	
761A		
1A Home Interphone System	512-510-100	
762A		
1A Home Interphone System	512-510-100	
Telephone Set Components		
<i>Connections</i>		
Customer-Owned Enclosures	501-420-102	
<i>Identification</i>		
Customer-Owned Enclosures	501-420-102	
<i>Installation</i>		
Customer-Owned Enclosures	501-420-102	
<i>Maintenance</i>		
Customer-Owned Enclosures	501-420-102	
760A		
<i>Connections</i>		
3-Type Speakerphone System	SD512-620-100	
<i>Identification</i>		
3-Type Speakerphone System	SD512-620-100	
<i>Installation</i>		
3-Type Speakerphone System	SD512-620-100	
<i>Maintenance</i>		
3-Type Speakerphone System	SD512-620-100	
762A		
<i>Connections</i>		
3-Type Speakerphone System	SD512-620-100	
<i>Identification</i>		
3-Type Speakerphone System	SD512-620-100	
<i>Installation</i>		
3-Type Speakerphone System	SD512-620-100	
<i>Maintenance</i>		
3-Type Speakerphone System	SD512-620-100	
<b>LOUDSPEAKER PAGING SYSTEM</b>		
<i>General Description</i>	981-251-100	
<b>LOUDSPEAKER PAGING TRUNK</b>		
<i>Operation Tests</i>		
756A Private Branch Exchange	551-191-501	
757A Private Branch Exchange	551-276-501	
<b>LOUDSPEAKER PAGING TRUNK</b>		
<b>(SD-65747-01)</b>		
<i>Connections</i>		
<i>Identification</i>		
<i>Installation</i>		
800A Private Branch Exchange	553-105-214	
<b>LOUDSPEAKER PAGING TRUNK</b>		
<b>(SD-66762-01)</b>		
<i>Connections</i>		
<i>Identification</i>		
<i>Installation</i>		
757A Private Branch Exchange	551-234-214	

**LOUDSPEAKER PAGING TRUNK**

<b>(SD-66883-01)</b>		
<i>Connections</i>		
<i>Identification</i>		
<i>Installation</i>		
608-Type Private Branch Exchange		534-565-100
701-Type Private Branch Exchange		534-565-100
711-Type Private Branch Exchange		534-565-100
740-Type Private Branch Exchange		534-565-100
<b>LOUDSPEAKER PAGING TRUNK CIRCUIT</b>		
<b>(SD-65747-01)</b>		
<i>Operation Tests</i>		
801A Private Branch Exchange		553-201-501
812A Private Branch Exchange		553-212-501
<b>LOUDSPEAKER SET</b>		
<i>Connections</i>		
106-Type		463-220-100
<i>Identification</i>		
106-Type		463-220-100
107-Type (SPOKESMAN® Set)		463-221-100
<i>Installation</i>		
106-Type		463-220-100
<i>Maintenance</i>		
106-Type		463-220-100
<b>LVH (MUSIC ON HOLD, KEY TELEPHONE SYSTEMS)</b>		
<i>Connections</i>		
<i>Identification</i>		
<i>Installation</i>		
<i>Maintenance</i>		
<i>Operation</i>		
Voice Connecting Arrangement		IA463-311-105
<b>L17; KS-16301L15, L16,—SEE</b>		
<b>KS-16301L15, L16, L17</b>		
<b>L19; KS-16301L9, L11,—SEE KS-16301L9,</b>		
<b>L11, L19</b>		
<b>L3, L4; KS-8547L1, L2,—SEE KS-8547L1,</b>		
<b>L2, L3, L4</b>		
<b>L6; KS-16301L2, L5,—SEE KS-16301L2,</b>		
<b>L5, L6</b>		
<b>L8; KS-16301L3, L4,—SEE KS-16301L3,</b>		
<b>L4, L8</b>		
<b>MACHINE BOLT; ANCHORS—SEE ANCHORS</b>		
<b>MACHINE BOLT</b>		
<b>MACHINES; RINGING—SEE RINGING</b>		
<b>MACHINES</b>		
<b>MAIN OPERATING BASE TURRET; SAC—SEE</b>		
<b>SAC MAIN OPERATING BASE TURRET</b>		
<b>MANHOLE ATMOSPHERE; TESTING—SEE</b>		
<b>TESTING MANHOLE ATMOSPHERE</b>		
<b>MANHOLE COVERS</b>		
<i>Removing and Replacing</i>		620-150-010
<b>MANUAL AND DIAL SELECTED TIE TRUNK</b>		
<b>CIRCUIT (SD-65823-01); TWO-WAY—SEE</b>		
<b>TWO-WAY MANUAL AND DIAL SELECTED TIE</b>		
<b>TRUNK CIRCUIT (SD-65823-01)</b>		
<b>MANUAL EXTENSION LINES</b>		
<i>Circuit Tests</i>		
Relay Jack and Lamp		
700C (Manual Switchboard)		
Private Branch Exchange		541-004-659

SECTION 460-000-006

**MANUAL INTERCOMS**

*Identification*

*Installation*

*Maintenance*

Voice Station Signaling

KB518-010-109

**MANUAL LINE CIRCUIT (SD-67114-01);**

**DIAL OR—SEE DIAL OR MANUAL LINE CIRCUIT (SD-67114-01)**

**MARKER CIRCUIT (SD-65912-01)**

*Circuit Test*

758A/B Switching System

551-470-502

*Circuit Tests*

758A Private Branch Exchange

551-454-501

758B Private Branch Exchange

551-454-501

**MARKER CIRCUIT (SD-67043-01)**

*Operation Tests*

758C Private Branch Exchange

551-524-500

**MARKER TEST CIRCUIT (SD-67118-01);**

**DECODER—SEE DECODER MARKER TEST CIRCUIT (SD-67118-01)**

**MARKER WARNING**

Form E-5190

SB460-110-100

**MARKER; ALARM—SEE ALARM MARKER**

**MASONRY FASTENERS**

*General*

B

080-720-110

C

080-720-110

D

080-720-110

**MATERIALS**

*General*

Coin Telephone Stations

CA506-100-103

**MATRIX BLOCK**

*Connections*

2A1

518-010-110

*Identification*

1A1

KA461-620-100

2A1

518-010-110

*Installation*

1A1

KA461-620-100

2A1

518-010-110

*Maintenance*

1A1

KA461-620-100

2A1

518-010-110

*Wiring*

1A1

KA461-620-100

**MEASUREMENT SYSTEM NO. 1A; TRAFFIC—SEE**

**TRAFFIC MEASUREMENT SYSTEM NO. 1A**

**MECHANICAL PROTECTION**

*Reference*

Wire and Cable General

Precautions

SB460-300-149

**MESSAGE DETAIL RECORDING; STATION—SEE**

**STATION MESSAGE DETAIL RECORDING**

**MESSAGE REGISTER CIRCUIT**

(SD-65852-01)

*Operation Tests*

757A Private Branch Exchange

551-252-501

**MESSAGE REGISTER PULSE AND SURCHARGE**

**CIRCUIT (SD-5E021-01); STATION—SEE**

**STATION MESSAGE REGISTER PULSE AND**

**SURCHARGE CIRCUIT (SD-5E021-01)**

**MESSAGE REGISTER PULSE CIRCUIT**

(SD-66915-01); STATION—SEE STATION

MESSAGE REGISTER PULSE CIRCUIT

(SD-66915-01)

**MESSAGE REGISTER SURCHARGE CIRCUIT**

(SD-66922-01); STATION—SEE STATION

MESSAGE REGISTER SURCHARGE CIRCUIT

(SD-66922-01)

**MESSAGE WAITING CONSOLES**

Key Telephone Systems

*Description*

1A

KB518-010-111

1A1

KB518-010-111

1A2

KB518-010-111

**MESSAGE WAITING SERVICE**

*Circuit Tests*

473-180-520

*Connections*

473-180-210

756A Private Branch Exchange

551-110-210

757A Private Branch Exchange

551-234-213

**MISCELLANEOUS FEATURE EQUIPMENT;**

**NONPLUG-IN—SEE NONPLUG-IN**

**MISCELLANEOUS FEATURE EQUIPMENT**

**MOBILE HOME WIRING**

*Permanent Type*

SB461-220-100

**MODIFICATION KITS FOR STATION SETS**

Modification Kits for Stations Sets

*Selection*

501-185-100

**MODULAR PANEL, 626A**

*Service*

1A2 Key Telephone Systems

KB518-215-421

**MODULAR STATION UNIT**

700- or 701-Type

*Method of Operation*

Attendant Equipment

756A Private Branch

Exchange

551-160-301

**MOUNTED KEYS; SEPARATELY—SEE**

**SEPARATELY MOUNTED KEYS**

**MOUNTING BRACKET**

*Identification*

*Installation*

KS-20502L2 (Multiple Use)

461-630-110

**MOUNTING; APPARATUS—SEE APPARATUS**

**MOUNTING**

**MOUNTING; DIAL—SEE DIAL MOUNTING**

**MOUNTING; KEY—SEE KEY MOUNTING**

**MOUNTING; 110A APPARATUS—SEE 110A**

**APPARATUS MOUNTING**

**MOUNTING; 69H APPARATUS—SEE 69H**

**APPARATUS MOUNTING**

**MOUNTING; 69H APPARATUS—SEE 69H**

**APPARATUS MOUNTING**

**MOUNTING; 69H APPARATUS—SEE 69H**

**APPARATUS MOUNTING**

**MOUNTING; 69H APPARATUS—SEE 69H**

**APPARATUS MOUNTING**

**MOUNTING; 69H APPARATUS—SEE 69H**

**APPARATUS MOUNTING**

**MOUNTINGS (400-TYPE); KEY—SEE KEY**

**MOUNTINGS (400-TYPE)**

**MOUNTINGS; APPARATUS—SEE APPARATUS**

**MOUNTINGS**

**MULTIBUTTON ELECTRONIC TELEPHONE SETS**

MET Sets

*General Description*

2991A/B

HORIZON

503-100-129

2991C/D

HORIZON

503-100-130

**MULTIBUTTON ELECTRONIC TELEPHONE SETS (Cont)**

MET Sets (Cont)	
General Description (Cont)	
2992A	
HORIZON	503-100-129
2992C	
HORIZON	503-100-130
2993A	
HORIZON	503-100-129
2993C	
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2994C	
HORIZON	503-100-130
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Connections	512-230-104
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<b>MULTIPLE DROP WIRE</b>	
Clearances	
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<b>MULTIPLE LINE WIRE</b>	
Reference	
Wire Terminal General	
Precautions	SB460-300-140
<b>MULTIPLE WIRE—SEE WIRE MULTIPLE NETWORK</b>	
Identification	
4010-Type	501-135-100
4228-Type	501-135-100
425-Type	501-135-100
Telephone Set Components	
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Identification	
Installation	
Maintenance	
Customer-Owned Enclosures	501-420-102
4159-Type	
Description	
Installation	
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<b>NETWORK, 4010E</b>	
For Telephone Sets	
Radio Signal Suppression	SA500-150-100
<b>NETWORK, 4228D</b>	
For Telephone Sets	
Radio Signal Suppression	SA500-150-100
<b>NETWORK, 4228J</b>	
For Telephone Sets	
Radio Signal Suppression	SA500-150-100
<b>NETWORK, 425J</b>	
For Telephone Sets	
Radio Signal Suppression	SA500-150-100
<b>NIGHT CLOSING AND ALARM CIRCUIT (SD-65898-01)</b>	
Operation Tests	
701B Private Branch Exchange	540-515-501
<b>NIGHT SERVICE CIRCUIT (SD-65894-01)</b>	
Operation Tests	
701B Private Branch Exchange	540-514-501

**NIGHT SERVICE TRUNK (SD-65967-01)**

Operation Tests	
3A Automatic Call Distributing System	476-325-501
<b>NIGHT SERVICE TRUNK CIRCUIT</b>	
Operation Tests Using Test Set (SD-65983-01, J53131AG L1 or L3)	
2A Automatic Call Distributing System	476-247-501
<b>NIGHT SERVICE TRUNK CIRCUIT (SD-5E036-01)</b>	
Operation Tests	
No. 6A Order Turret	475-600-664
<b>NO-TEST CONNECTOR TRUNK CIRCUIT (SD-67064-01)</b>	
Operation Tests	
758C Private Branch Exchange	551-548-500
<b>NOISE LOCATIONS; APPARATUS FOR—SEE APPARATUS FOR NOISE LOCATIONS NOISE; INDUCTIVE —SEE INDUCTIVE NOISE;</b>	
<b>NONCOIN TELEPHONE SET</b>	
Connection	
Identification	
Installation	
Maintenance	
Testing	
F-60761	506-500-100
<b>NONKEY TELEPHONE SETS</b>	
Conversion for Use with 1A1 or 1A2 Key Telephone Systems	KA502-110-102
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Connections	
Identification	
Installation	
Installation Tests	
Service Options	
812A Private Branch Exchange	553-212-203
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<b>NUMBER CARD; STATION—SEE STATION NUMBER CARD</b>	
<b>NUMBER CARDS AND HOLDERS; STATION —SEE STATION NUMBER CARDS AND HOLDERS;</b>	
<b>NUMBER DISPLAY CIRCUIT (SD-98128-01)</b>	
Operation Tests	
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<b>NUMBER IDENTIFICATION (SD-1E505-01); AUTOMATIC—SEE AUTOMATIC NUMBER IDENTIFICATION (SD-1E505-01)</b>	
<b>NUMBER IDENTIFICATION CIRCUIT (SD-1E007-01); AUTOMATIC—SEE AUTOMATIC NUMBER IDENTIFICATION CIRCUIT (SD-1E007-01)</b>	
<b>NUMBERING; LETTERING AND—SEE LETTERING AND NUMBERING</b>	
<b>OFFICE CABLES; COAXIAL—SEE COAXIAL OFFICE CABLES</b>	

**SECTION 460-000-006**

**OFFICE FORCE ADMINISTRATIVE DATA**  
 SYSTEM (BOFADS); BUSINESS—SEE BUSINESS  
 OFFICE FORCE ADMINISTRATIVE DATA  
 SYSTEM (BOFADS)

**OFFICE TRUNK (2-WAY); CENTRAL—SEE  
 CENTRAL OFFICE TRUNK (2-WAY)**

**OFFICE TRUNK (2-WAY, SD-5E006-01);  
 CENTRAL—SEE CENTRAL OFFICE TRUNK  
 (2-WAY, SD-5E006-01)**

**OFFICE TRUNK (2-WAY, SD-65850-01);  
 CENTRAL—SEE CENTRAL OFFICE TRUNK  
 (2-WAY, SD-65850-01)**

**OFFICE TRUNK (2-WAY, SD-65895-01);  
 CENTRAL—SEE CENTRAL OFFICE TRUNK  
 (2-WAY, SD-65895-01)**

**OFFICE TRUNK CIRCUITS (SD-99362-01,  
 SD-98051-01); CENTRAL—SEE CENTRAL  
 OFFICE TRUNK CIRCUITS (SD-99362-01,  
 SD-98051-01)**

**OFFICE TRUNKS AND TIE TRUNKS;  
 CENTRAL—SEE CENTRAL OFFICE TRUNKS AND  
 TIE TRUNKS**

**OFFICE TRUNKS OUTGOING; CENTRAL—SEE  
 CENTRAL OFFICE TRUNKS OUTGOING**

**OFFICES**  
 Step-By-Step  
*Cleaning Equipment Frames by Means  
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**OPERATOR TELEPHONE SETS**  
*Associated Parts* 028-360-821  
*Method of Wrapping Cords* 028-360-821

**OPERATORS TELEPHONE SET JACKS**  
*Cleaning Procedures* 069-388-801

**OPTION; AUTOVON—SEE AUTOVON OPTION**

**ORDER TURRET**  
 No. 1  
*Description* 475-200-100  
*Installation* 475-200-200  
*Supplies* 475-200-800  
*Tests and Adjustments* 475-200-300

No. 2  
*Connections* 475-210-100  
*Identification* 475-210-100  
*Installation* 475-210-100

No. 2A  
*Connections* 475-210-100  
*Identification* 475-210-100  
*Installation* 475-210-100

No. 3  
*General Description* 475-300-110  
*Method of Taking Equipment Out of  
 Service* 475-300-320  
*Method of Tracing*  
 Alarms 475-300-310  
*Operation Tests*  
 Attendant Telephone and Trunk  
 Circuits 475-300-507  
 Incoming Trunk Selector Control  
 Circuit 475-300-665  
 Incoming Trunks 475-300-665  
*Tests and Inspections*  
 Allotter Circuit and Associated  
 Alarm and Registers 475-300-505  
 Calls Waiting Signal and  
 Register Circuit 475-300-520

**ORDER TURRET (Cont)**  
 No. 3 (Cont)  
*Tests and Inspections (Cont)*  
 Start Circuit and Associated  
 Alarm Circuit 475-300-655

No. 4  
*Connections* 475-220-100  
*Description* 475-220-100  
*Installation* 475-220-100

No. 6A  
*Method of Tracing*  
 Alarms 475-600-310  
*Operation Tests*  
 Night Service Trunk Circuit  
 (SD-5E036-01) 475-600-664  
 Overflow Control Circuit  
 (SD-5E026-01) 475-600-669  
 Overflow Trunk Circuit  
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*Tests and Inspections*  
 Alarm and Common Group Circuit 475-600-500

**ORIGINATING REGISTERS**  
*Operation Tests*  
 757A Private Branch Exchange 551-268-501

**OUTDOOR LOCATIONS; SELECTING—SEE  
 SELECTING OUTDOOR LOCATIONS**

**OUTGOING DIAL TRUNK CIRCUIT  
 (SD-67051-01)**  
*Operation Tests*  
 758C Private Branch Exchange 551-541-500

**OUTGOING TRUNK (TO TOLL OPERATOR)**  
*Operation Tests*  
 757A Private Branch Exchange 551-292-501

**OUTGOING TRUNK CIRCUITS (CENTRAL  
 OFFICE EQUIPMENT)**  
*Operation Tests*  
 520-Type PBX Emergency  
 Reporting System 067-302-503

**OUTPUTS TO TRAFFIC MEASUREMENT SYSTEM  
 NO. 1A**  
*Operation Tests*  
 812A Private Branch Exchange 553-212-500

**OUTSIDE PLANT**  
*Identification*  
*Installation*  
*Maintenance*  
*Material*  
*Removal*  
 SLC-1 Subscriber Equipment 502-204-100

**OVERFLOW CONTROL CIRCUIT  
 (SD-5E026-01)**  
*Operation Tests*  
 No. 6A Order Turret 475-600-669  
 3A Automatic Call Distributing  
 System 476-338-501

**OVERFLOW TRUNK CIRCUIT (SD-5E032-01)**  
*Operation Tests*  
 3A Automatic Call Distributing  
 System 476-339-501

**OVERFLOW TRUNK CIRCUIT (SD-5E033-01)**  
*Operation Tests*  
 No. 6A Order Turret 475-600-667

**P WIRE GUARD**  
 Drop and Block Wiring 462-450-100

**PACKAGE; COMMUNICATION—SEE****COMMUNICATION PACKAGE****PACKAGED KEY TELEPHONE UNIT***Reference*

1A1 Key Telephone Systems KB518-114-115

*Service*

200F, G, K

1A1 Key Telephone Systems KB518-114-430

50-Type

1A Key Telephone Systems KB518-112-420

**PACKAGED UNITS***Service*

200H

1A1 Key Telephone Systems KB518-114-431

**PACKAGING AND HANDLING**

Disconnected KS-16378 Telephone

Answering Sets 500-820-203

Disconnected KS-16765, L1

Announcement Sets 500-830-200

Disconnected KS-16844 RAPIDIAL 500-840-200

Disconnected KS-16923, L1

Telephone Answering Sets 500-820-205

Disconnected KS-19245, L1

Telephone Answering Sets 500-820-207

Disconnected Station Apparatus SA500-810-200

Disconnected 1-Type Telephone

Answering Sets 500-820-200

Disconnected 2-Type Telephone

Answering Sets 500-820-201

Disconnected 400-Type KTU's 500-815-200

**PAGING SYSTEM; LOUDSPEAKER—SEE****LOUDSPEAKER PAGING SYSTEM****PAGING TRUNK (SD-65747-01);****LOUDSPEAKER—SEE LOUDSPEAKER PAGING****TRUNK (SD-65747-01)****PAGING TRUNK (SD-66762-01);****LOUDSPEAKER—SEE LOUDSPEAKER PAGING****TRUNK (SD-66762-01)****PAGING TRUNK (SD-66883-01);****LOUDSPEAKER—SEE LOUDSPEAKER PAGING****TRUNK (SD-66883-01)****PAGING TRUNK CIRCUIT (SD-65747-01);****LOUDSPEAKER—SEE LOUDSPEAKER PAGING****TRUNK CIRCUIT (SD-65747-01)****PAGING TRUNK; LOUDSPEAKER—SEE****LOUDSPEAKER PAGING TRUNK****PANEL TELEPHONE***Reference*

1750A, B

Single Line Telephone Set 502-706-100

1751-Type

Two Line-1 Button Telephone

Set 502-706-101

1752-Type

Multiline Telephone Set 502-706-102

1753-Type

Two Line-1 Button Telephone

Set 502-706-103

2750-Type

Single Line Telephone Set 502-707-100

2751-Type

Two Line-1 Button Telephone

Set 502-707-101

2752-Type

Multiline Telephone Set 502-707-102

**PANEL TELEPHONE (Cont)***Reference (Cont)*

2753-Type

Two Line-1 Button Telephone Set 502-707-103

2754-Type

Multiline Telephone Set 502-707-102

750-type

Single Line Telephone Set 502-705-100

751A/B

Two Line-1 Button Telephone

Set 502-705-101

753-Type

Two Line-1 Button Telephone

Set 502-705-103

*Service*

1750A/B

Single Line Telephone Set SB502-731-401

1751C, D

Two Line-1 Button Telephone

Set SB502-734-401

1752-Type

Multiline Telephone Set 502-737-401

1753A, B

Two Line-1 Button Telephone

Set SB502-740-401

2751C, D

Two Line-1 Button Telephone

Set SA502-735-401

2752-Type

Multiline Telephone Set 502-738-401

2753A, B

Two Line-1 Button Telephone

Set SA502-741-401

2754-Type

Multiline Telephone Set 502-738-402

750-Type

Single Line Telephone Set SA502-730-401

751-Type

Two Line-1 Button Telephone

Set SA502-733-401

752-Type

Multiline Telephone Set 502-736-401

753A, B

Two Line-1 Button Telephone

Set SA502-739-401

754-Type

Multiline Telephone Set 502-736-402

Telephone Set

*Reference*

752-Type

502-705-102

754-Type

502-705-102

**PANEL, 626A; MODULAR—SEE MODULAR****PANEL, 626A****PANELS***Connections*

601-Type

400-Type Key Telephone Unit KB518-215-418

602-Type

400-Type Key Telephone Unit KB518-215-418

603-Type

400-Type Key Telephone Unit KB518-215-418

*Service*

583-Type

1A2 Key Telephone Systems KB518-215-410

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**PANELS (Cont)**

*Service (Cont)*

584-Type	
1A2 Key Telephone Systems	KB518-215-410
597-Type	
1A2 Key Telephone Systems	KB518-215-417
598-Type	
1A2 Key Telephone Systems	KB518-215-417
620A	
1A2 Key Telephone Systems	518-215-419
641A	
1A2 Key Telephone Systems	518-215-419
642A	
1A2 Key Telephone Systems	518-215-419

**PARTS; KIT OF—SEE KIT OF PARTS**

**PBX ACCESS LINE CIRCUIT (SD-5E000-01)**

*Operational Tests*

Step-By-Step Type Private Branch Exchange	540-310-501
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**PBX INFORMATION DESK**

*Operation Tests*

Attendant Trunk and Position Circuits	475-600-507
Incoming Trunks	475-600-666

**PBX LINES; CONFERENCING—SEE**

**CONFERENCING PBX LINES**

**PBX POWER PANELS**

<i>Tests and Inspections</i>	534-360-630
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**PBX RANGE CHARTS**

*No. 1 Crossbar Central Office*

1300-Ohm Conductor Loop and 400-Ohm Talk Battery Feed	534-362-151
1300-Ohm Conductor Loop and 520-Ohm Talk Battery Feed	534-362-152

*No. 1 ESS Central Offices*

1500-Ohm Subscriber Conductor Loop and 388-Ohm Talking Battery-Feed Circuit	534-362-160
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*No. 5 Crossbar Central Office*

1360-Ohm Conductor Loop and 400-Ohm Talk Battery Feed	534-362-156
400-Ohm Talk Battery Feed and 1430-Ohm Conductor Loop	534-362-157

*Panel Central Office*

1300-Ohm Conduct or Loop and 140-Ohm Talk Battery Feed	534-362-153
635-Ohm Conductor Loop and 50-Ohm Talk battery Feed	534-362-155
785-Ohm Conductor Loop and 50-Ohm Talk Battery Feed	534-362-154

*Step-by-Step Line Finder Central Office*

1300-Ohm Conductor Loop and 400-Ohm Talk Battery Feed	534-362-159
885-Ohm Conductor Loop and 400-Ohm Talk Battery Feed	534-362-158

**PBX-ANI DATA LINK TEST SET**

*Description*

*Operation*

Test Equipment PBX	105-602-101
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**PBX—SEE PRIVATE BRANCH EXCHANGE**

**PEG COUNT CIRCUIT; ALARMS AND—SEE ALARMS AND PEG COUNT CIRCUIT**

**PEG COUNT TOTALIZER (SD-65981-01)**

*Operation Tests*

Incoming Trunk Group	
3A Automatic Call Distributing System	476-324-501

**PERFORATORS**

*Procedures for Cleaning*

KS-13882	069-370-801
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**PERFORMANCE MONITOR; BIT—SEE BIT**

**PERFORMANCE MONITOR**

**PHONE CART**

Hospital

*Connections*

*Identification*

*Installation*

*Maintenance*

KS-21428	508-254-100
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Nursing Home

*Connections*

*Identification*

*Installation*

*Maintenance*

KS-21428	508-254-100
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**PHONE SIGN**

*Identification*

*Installation*

Nonilluminated Type	CB508-810-205
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**PHONE SIGN; PUBLIC—SEE PUBLIC PHONE SIGN**

**PHONE TRAINER; BUSINESS—SEE BUSINESS**

**PHONE TRAINER**

**PICKUP CIRCUIT (SD-65916-01); LINE—SEE LINE PICKUP CIRCUIT (SD-65916-01)**

**PICTUREPHONE® CONNECTING ARRANGEMENT**

PICTUREPHONE Connecting Arrangement

*Connection*

*Identification*

*Installation*

*Maintenance*

*Method of Operation*

PVF (Using 114A IU)	463-390-100
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**PICTUREPHONE® SERVICE**

Phase 0

*Identification*

J53051A	
Equipment Bay	518-800-120

J53051B	
Equipment Bay	518-800-122

2C Video Telephone Station	518-800-110
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600 Series	
Key Telephone Unit	518-800-105

650A	
Key Service Unit	518-800-115

*Installation*

J53051A	
Equipment Bay	518-800-120

J53051B	
Equipment Bay	518-800-122

2C Video Telephone Station	518-800-110
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650A	
Key Service Unit	518-800-115

*Operational Tests*

*Trouble Locating Procedures*

Phase 0 (One Line and 6-Station Single Link Intercom

*Connections*

	518-800-409
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**PICTUREPHONE® SERVICE (Cont)**

Phase 0 (One Line and 6-Station Single (Cont)	
Connections (Cont)	
J53051A	
Equipment Bay	518-800-421
Phase 0 (Single and Multigroup Line Service and Single Link Intercom)	
<i>Trouble Locating Procedures</i>	518-800-505
Phase 0 (Single Group and Multigroup Line Service)	
Connections	
J53051B	
Equipment Bay	518-800-429
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<i>General Description</i>	518-800-100
Phase 0 (Test Facilities)	
<i>Method of Operation</i>	553-800-301
Phase 0 (2- or 3-Link Intercom)	
Connections	
J53051C	
Equipment Bay	518-800-437
<i>Identification</i>	
J53051C	
Equipment Bay	518-800-128
<i>Installation</i>	
J53051C	
Equipment Bay	518-800-128
<i>Method of Operation</i>	518-800-305
<i>Trouble Locating</i>	
J53051C	
Equipment Bay	518-800-507
Phase 0 (2C Video Telephone Station)	
Connections	518-800-401
Phase 0 (10-Station Single Link Intercom)	
Connections	
650A Key Service Unit	518-800-413
Phase 0 (10-Station Single Link Intercom)	
Connections	
J53051A	
Equipment Bay	518-800-425
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Initial Service (Phase 0)	
<i>Description</i>	
Key Telephone System	
Cable Equalizers	518-800-103
Station Set Cable Equalizer	518-800-101
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Cable Equalizers	518-800-510
<i>Video Loop Facility Trouble Location</i>	
Cable Equalizers	518-800-512
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<b>PLANT AND TRAFFIC REGISTER CIRCUIT (SD-67069-01)</b>	
<i>Operation Tests</i>	
758C Private Branch Exchange	551-530-500
<i>Operation Tests</i>	
758C Switching System	551-564-500
<b>PLANT; DEDICATED—SEE DEDICATED PLANT</b>	
<b>PLANT; OUTSIDE—SEE OUTSIDE PLANT</b>	
<b>PLANT; POWER—SEE POWER PLANT</b>	

**PLASTIC ANCHOR**

<i>General</i>	
B	080-720-111
C	080-720-111
D	080-720-113
<b>PLATE; DESIGNATION—SEE DESIGNATION</b>	
<b>PLATE</b>	
<b>PLATFORM; LADDER—SEE LADDER PLATFORM</b>	
<b>PLIERS V-NOTCH; DIAGONAL—SEE DIAGONAL</b>	
<b>PLIERS V-NOTCH</b>	
<b>PLUG; RETAINER—SEE RETAINER PLUG</b>	
<b>PLUG-IN TYPE TRUNK</b>	
Connections	
<i>Identification</i>	
<i>Installation</i>	
812A Private Branch Exchange	553-212-201
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<b>POWER-CORD—SEE POWER-CORD</b>	
<b>PLUG-RETAINER ASSEMBLIES</b>	
<b>PLUGS</b>	
<i>Cleaning and Polishing Using Cotton</i>	
<i>Sleeving</i>	069-380-812
<i>Cleaning and Polishing Using</i>	
<i>Portable Plug Cleaner</i>	069-380-811
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<i>Service</i>	
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<b>PLUGS</b>	
<b>POINTS; ACCESS—SEE ACCESS POINTS</b>	
<b>POLARITY GUARDS</b>	
<i>Identification</i>	501-321-100
<b>POLE</b>	
Drop and Block Wiring	
Attachments	462-300-200
<b>POLE STEP</b>	
<i>Inspection for Cracks</i>	
B	081-735-600
<b>POLE-MOUNTED</b>	
Wire Terminals	
Drop and Block Wiring	
General Precautions	SB460-300-145
<b>POLES; CLIMBING—SEE CLIMBING POLES</b>	
<b>POSITION CIRCUIT (SD-66874-01) (A&amp;M);</b>	
<b>AUXILIARY—SEE AUXILIARY POSITION</b>	
<b>CIRCUIT (SD-66874-01) (A&amp;M)</b>	
<b>POSITION CIRCUIT FOR REMOTE TRUNK</b>	
<b>ANSWERING (SD-66910-01); AUXILIARY—SEE</b>	
<b>AUXILIARY POSITION CIRCUIT FOR REMOTE</b>	
<b>TRUNK ANSWERING (SD-66910-01)</b>	
<b>POSITION CIRCUIT (SD-66874-01)</b>	
<b>(NON-PLUG-IN ARRANGEMENT);</b>	
<b>AUXILIARY—SEE AUXILIARY POSITION</b>	
<b>CIRCUIT (SD-66874-01) (NON-PLUG-IN</b>	
<b>ARRANGEMENT)</b>	
<b>POSITION CIRCUIT (SD-66874-01)</b>	
<b>(PLUG-IN ARRANGEMENT); AUXILIARY—SEE</b>	
<b>AUXILIARY POSITION CIRCUIT</b>	
<b>(SD-66874-01) (PLUG-IN ARRANGEMENT)</b>	
<b>POSITION CIRCUITS</b>	
<i>Inspections</i>	
<i>Tests</i>	
520-Type PBX Emergency	
Reporting System	473-218-525

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**POSITION TRUNK (2-WAY, SD-65818-01)**  
*Operation Tests*  
 701B Private Branch Exchange 540-540-504

**POST ALERTING NETWORK (COPAN);  
 COMMAND—SEE COMMAND POST ALERTING  
 NETWORK (COPAN)**

**POST CAP; BINDING—SEE BINDING POST  
 CAP**

**POST CUTTER; BINDING—SEE BINDING POST  
 CUTTER**

**POTENTIOMETERS**  
*Procedures for Cleaning and  
 Treatment* 069-321-801

**POWER FAILURE TRANSFER CIRCUIT**  
*Operation Tests*  
 701B Private Branch Exchange 542-010-503

**POWER FAILURE TRANSFER CIRCUITS;  
 ALARMS AND—SEE ALARMS AND POWER  
 FAILURE TRANSFER CIRCUITS**

**POWER PANELS; PBX—SEE PBX POWER  
 PANELS**

**POWER PLANT**  
 101A (J59010)  
 Arranged for Cable Pair  
 Charging or Rectifier  
 Charging without Charge  
 Control Relay 167-410-301

*Connections*  
 J86495A 167-485-201  
 J86495B and D with Battery  
 Reserve 167-485-202  
 Model X10TFR3SUY (115) 167-450-201  
 101A (J59010C) 167-410-200  
 101A (J59010F) 167-410-201  
 101E (J86566A) 167-414-201  
 101E (J86566B) 167-414-202  
 101G (J86731) KA167-416-201  
 101H (J86736) 167-417-201  
 101J (J86471A) 167-419-201  
 101J (J86471B, L1) 167-419-202  
 101K (J86897A) 167-420-201

*General Installation Requirements  
 Identification*  
 J86495A 167-485-201  
 J86495B and D with Battery  
 Reserve 167-485-202  
 Model X10TFR3SUY (115) 167-450-201  
 101A (J59010C) 167-410-200  
 101A (J59010F) 167-410-201  
 101E (J86566A) 167-414-201  
 101E (J86566B) 167-414-202  
 101G (J86731) KA167-416-201  
 101H (J86736) 167-417-201  
 101J (J86471A) 167-419-201  
 101J (J86471B, L1) 167-419-202  
 101K (J86897A) 167-420-201

*Installation*  
 J86495A 167-485-201  
 J86495B and D with Battery  
 Reserve 167-485-202  
 Model X10TFR3SUY (115) 167-450-201  
 101A (J59010C) 167-410-200  
 101A (J59010F) 167-410-201  
 101E (J86566A) 167-414-201  
 101E (J86566B) 167-414-202  
 101F (J86567) 167-415-201

**POWER PLANT (Cont)**  
*Installation (Cont)*  
 101G (J86731) KA167-416-201  
 101H (J86736) 167-417-201  
 101J (J86471A) 167-419-201  
 101J (J86471B, L1) 167-419-202  
 101K (J86897A) 167-420-201

*Operating Methods*  
 J29361A-1 167-461-301  
 J29361D-1 167-482-301  
 J86463A  
 P1 Carrier Station Systems 167-275-301  
 J86463B  
 P1 Carrier Station Systems 167-275-302  
 J86464 PA167-480-301  
 J86808 PA167-486-301  
 J86812 167-494-301  
 J86818 167-488-301  
 J86828 167-488-306  
 J86831A PA167-489-301  
 J86857A and B 167-493-301  
 J86878A PA167-497-301  
 J98707M  
 P1 Carrier Station Systems 167-275-303  
 102G (J86802) 167-208-301  
 105D (J86446) PA167-210-301  
 105E (J86814) PA167-210-302  
 110A (J86572) PA167-215-301  
 110B (J86455) PA167-215-301  
 111A (J86470) PA167-217-301  
 671A (J86880) 167-276-301  
 680A (J86891A and J86891B) 167-277-301  
 806D (J86596) 167-255-301  
 806G (J86472) PA167-460-301

*Selection*  
 Key Systems and Small PBX 167-400-180

**POWER SUPPLY**  
*Operating Methods*  
 J86635 167-495-301  
 J86635D 167-495-302  
 J86810 PA167-487-301  
 J86830A and G 167-490-301  
 J87276A 167-492-301  
 J87292A 167-496-301  
 KS-20849 167-432-305  
 KS-20850 167-432-306  
 KS-21011 167-432-301  
 KS-21012 167-432-302  
 KS-21120 167-432-303  
 KS-21121 167-432-304

**POWER SUPPLY (SD-5E039-01);  
 AUXILIARY—SEE AUXILIARY POWER SUPPLY  
 (SD-5E039-01)**

**POWER UNIT**  
*Connections*  
 103B 167-456-101  
 104B 167-457-101  
 112A 167-440-203  
 19-Type KA167-440-201  
 20-Type KA167-440-201  
 207A 167-441-101  
 215C1 167-441-102  
 28-Type 167-445-101  
 29-Type KA167-446-101  
 30-Type KA167-446-101  
 32A1 167-448-101

**POWER UNIT (Cont)***Connections (Cont)*

32B1	167-448-101
33A	167-452-101
34B1	KA167-447-101
34C1	KA167-447-101
47C	KA167-449-101
51-Type	167-451-101
63-Type	167-455-101
67-Type	167-454-101
71A-Type	167-458-101
79B-Type	167-458-102
83A	167-458-105
90BR1	167-458-103
90B1	167-458-103

*General Description*

KS-19352L2	167-430-102
KS-19352L3	167-430-103
KS-19352L4	167-430-104

*Identification*

103B	167-456-101
104B	167-457-101
112A	167-440-203
19-Type	KA167-440-201
20-Type	KA167-440-201
207A	167-441-101
215C1	167-441-102
28-Type	167-445-101
29-Type	KA167-446-101
30-Type	KA167-446-101
32A1	167-448-101
32B1	167-448-101
33A	167-452-101
34B1	KA167-447-101
34C1	KA167-447-101
47C	KA167-449-101
51-Type	167-451-101
63-Type	167-455-101
67-Type	167-454-101
71A-Type	167-458-101
79B-Type	167-458-102
83A	167-458-105
90BR1	167-458-103
90B1	167-458-103

*Installation*

103B	167-456-101
104B	167-457-101
112A	167-440-203
19-Type	KA167-440-201
20-Type	KA167-440-201
207A	167-441-101
215C1	167-441-102
28-Type	167-445-101
29-Type	KA167-446-101
30-Type	KA167-446-101
32A1	167-448-101
32B1	167-448-101
33A	167-452-101
34B1	KA167-447-101
34C1	KA167-447-101
47C	KA167-449-101
51-Type	167-451-101
63-Type	167-455-101
67-Type	167-454-101
71A-Type	167-458-101
79B-Type	167-458-102

**POWER UNIT (Cont)***Installation (Cont)*

90BR1	167-458-103
90B1	167-458-103

*Maintenance*

19-Type	KA167-440-201
20-Type	KA167-440-201
83A	167-458-105

*Operating Methods*

KS-19352L1, L5	PA167-430-301
KS-19352L2	167-430-302
KS-19352L3	PA167-430-303
KS-19352L4	167-430-304
KS-20119L1, L2, L3, L4	167-431-301
92A-Type	167-459-301

**POWER-CORD PLUG-RETAINER ASSEMBLIES***Identification*

	167-400-210
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*Installation*

	167-400-210
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**PRECAUTIONS; GENERAL—SEE GENERAL****PRECAUTIONS****PRECEDENCE CIRCUIT (SD-67100-01)***Operation Tests*

758C Private Branch Exchange	551-526-500
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**PREEMPTION AND CONTINUITY TEST TRUNK (SD-67054-01)***Operation Tests*

758C Private Branch Exchange	551-540-500
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**PREEMPTION TONE DETECTOR (AUTOVON)***Connections**Identification**Maintenance*

For Customer Provided PBX or Stations	480-611-100
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**PREMISES SYSTEM; CUSTOMER—SEE CUSTOMER****PREMISES SYSTEM****PREWIRING***Connecting Services*

High Rise Apartment Buildings	461-310-401
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*Identification*

High Rise Apartment Buildings	461-310-101
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*Installation*

High Rise Apartment Buildings	461-310-201
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**PRIMARY CRASH ALARM SYSTEM (CRASH PHONES)***General Description*

	981-282-100
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**PRINCESS® TELEPHONE***Reference*

1702B	
Single Line Telephone Set	502-702-100
1702D	
Single Line Telephone Set	502-702-103
Two Line-1 Button Telephone Set	502-702-103
1712B	
Two Line-1 Button Telephone Set	502-702-101
1713B	
Single Line Telephone Set	502-702-103
Two Line-1 Button Telephone Set	502-702-103
2702B, BM	
Single Line Telephone Set	502-703-100
2702D, DM	
Single Line Telephone Set	502-703-103
Two Line-1 Button Telephone Set	502-703-103

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**PRINCESS® TELEPHONE (Cont)**

*Reference (Cont)*

2712B, BM	
Two Line-1 Button Telephone Set	502-703-101
2713B, BM	
Single Line Telephone Set	502-703-103
Two Line-1 Button Telephone Set	502-703-103
701B	
Single Line Telephone Set	502-701-100
701D	
Single Line Telephone Set	502-701-103
702B, BM	
Single Line Telephone Set	502-701-100
702D	
Single Line Telephone Set	502-701-103
711B	
Single Line Telephone Set	502-701-103
712B, BM	
Single Line Telephone Set	502-701-101
713B, 713BM	
Single Line Telephone Set	502-701-103
<i>Service</i>	
1702B	
Single Line Telephone Set	SB502-722-401
1702D	
Single Line Telephone Set	SB502-728-401
1712B	
Two Line-1 Button Telephone Set	SB502-725-401
1713B	
Two Line-1 Button Telephone Set	SB502-728-402
2702B, BM	
Single Line Telephone Set	SA502-723-401
2702D, DM	
Single Line Telephone Set	SA502-729-401
2712B, BM	
Two Line-1 Button Telephone Set	SA502-726-401
2713B, BM	
Two Line-1 Button Telephone Set	SA502-729-402
701B	
Single Line Telephone Set	SB502-721-401
701D	
Single Line Telephone Set	SB502-727-401
702B, BM	
Single Line Telephone Set	SA502-721-402
702D	
Single Line Telephone Set	SA502-727-402
711B	
Single Line Telephone Set	SB502-727-403
712B, BM	
Two Line-1 Button Telephone Set	SA502-724-401
713B, BM	
Single Line Telephone Set	SA502-727-404

**PRIVATE BRANCH EXCHANGE**

Common Group TOUCH-TONE® Calling Equipment with Crossbar Link Access

*Operation Tests*

Converter Trunk Access Circuit (SD-65853-01)	540-702-502
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**PRIVATE BRANCH EXCHANGE (Cont)**

Common Group TOUCH-TONE® Calling (Cont)

*Operation Tests (Cont)*

Crossbar Link and Controller Circuit (SD-5E053-01)	540-702-502
Interface Trunk Circuit (SD-66926-01)	540-702-502
Line or Trunk Access Circuit (SD-1E045-01)	540-702-502
Station Access Circuit (SD-66885-01)	540-702-502
Tie Trunk Access Circuit (SD-1E053-01)	540-702-502
TOUCH-TONE® Receiver Circuit (Type A, Senior, SD-98148-01)	540-702-502
TOUCH-TONE® Receiver Circuit (Type C, Junior, SD-67027-01)	540-702-502
DIMENSION® Custom PBX	
<i>Preinstallation and Planning Information</i>	
DIMENSION® Custom PBX	554-111-101
DIMENSION® 2000	554-111-101
DIMENSION® PBX	
DIMENSION® PBX Station Message Detail Recording	554-010-122
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<i>Attendant Console</i>	
DIMENSION® Features Features	554-191-112
<i>Automatic Callback - Calling</i>	
DIMENSION® Features Features	554-191-119
<i>Call Hold</i>	
DIMENSION® Features Features	554-191-128
<i>Code Calling Access</i>	
DIMENSION® Features Features	554-191-135
<i>Code Restriction</i>	
DIMENSION® Features Features	554-191-137
<i>Common Audible Ringing</i>	
DIMENSION® Features Features	554-191-140
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DIMENSION® Features Features	554-191-115
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DIMENSION® Features Features	554-191-151
<i>Executive Override</i>	
DIMENSION® Features Features	554-191-155
<i>Installation</i>	
DIMENSION® PBX	554-010-102
<i>Journal Printers Feature</i>	
DIMENSION® Features Features	554-191-222

**PRIVATE BRANCH EXCHANGE (Cont)****DIMENSION® PBX (Cont)**

<i>Line Ringing</i>	
DIMENSION® Features	554-191-140
Features	554-191-140
<i>Local Call Billing Feature</i>	
DIMENSION® Features	554-191-217
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<i>Maintenance</i>	
DIMENSION® PBX	554-010-102
<i>Maintenance Plan</i>	
Customer Telephone Service	554-010-113
DIMENSION® PBX	554-010-113
<i>Maintenance Support Information</i>	
Customer Telephone Service	554-010-112
DIMENSION® PBX	554-010-112
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DIMENSION® Features	554-191-175
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<i>Operation</i>	
DIMENSION® PBX	554-010-102
<i>Origination Restriction</i>	
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Selectors 540-120-509

*Operation Tests Using Test Set (SD-90416-01, J94704A)*

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Line Finders 540-115-501

Selectors 540-120-511

*Pulsing Tests Using Pulsing Test Set (SD-31481-01, J34717A)*

Connectors and Selector-Connectors 540-143-504

Selectors 540-120-503

*Restricted Service Tests*

Selector-Connector (SD-65721-01) 540-128-501

*Rotary and C Relay Timing Tests Using Relay Timing Test Set (SD-90418-01, J94713A)*

Selectors 540-120-507

*Rotary Test Using Dial Hand Test Set*

Selectors and Selector-Connectors 540-140-503

*Rotary Test Using 40C Test Set*

540-140-505



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<i>B Relay Timing Tests Using Relay Timing Test Set (SD-90418-01, J94713A)</i>	
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Trunks	540-169-501
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Selectors, Connectors, and Selector-Connectors	540-134-701
<i>Cut-In and Release Tests Using Dial Hand Test Set</i>	
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<i>Installation</i>	
Switching Cabinets	542-015-201
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Intercepting, Tone, and Announcement Trunks	540-175-501
Station Message Register Pulse Circuit (SD-66915-01)	540-110-501
Station Message Register Surcharge Circuit (SD-66922-01)	540-110-501
<i>Operation Tests from Selector Levels</i>	
Trunks and Tie Trunks	540-172-501
<i>Operation Tests Using Test Set (SD-66073-01, J54701B)</i>	
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Line Finders and 3-Wire Trunk Finders	540-117-501
Selectors	540-120-509
<i>Operation Tests Using Test Set (SD-90416-01, J94704A)</i>	
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<i>Operation Tests Using Test Set (Cont)</i>	
Selectors	540-120-511
<i>Pulsing Tests Using Pulsing Test Set (SD-31481-01, J34717A)</i>	
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Selectors	540-120-503
<i>Rotary and C Relay Timing Tests Using Relay Timing Test Set (SD-90418-01, J94713A)</i>	
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<i>Rotary Test Using Dial Hand Test Set</i>	
Selectors and Selector-Connectors	540-140-503
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<i>B Relay Timing Tests Using Relay Timing Test Set (SD-90418-01, J94713A)</i>	
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<i>B, C, and E Relay Timing Tests Using Relay Timing Test Set (SD-90418-01, J94713A)</i>	
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<i>Correction of Pulsing Failures Using Pulsing Test Set (SD-31481-01, J34717A)</i>	
Selectors, Connectors, and Selector-Connectors	540-134-701
<i>Cut-In and Release Tests Using Dial Hand Test Set</i>	
Selectors, Connectors, and Selector-Connectors	540-134-501
<i>Method of Taking Out of Service Equipment and Circuits</i>	540-105-301
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Attendant 3-Wire Connectors (SD-66663-01 and SD-66664-01)	543-020-520
Dial Conference Circuit (SD-66461-01)	540-182-501
Incoming Trunk Circuit (SD-65792-01)	540-540-506
Intercepting, Tone, and Announcement Trunks	540-175-501
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<i>Pulsing Tests Using Pulsing Test Set (SD-31481-01, J34717A)</i>	
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<i>Rotary and C Relay Timing Tests Using Relay Timing Test Set (SD-90418-01, J94713A)</i>	
Selectors	540-120-507
<i>Rotary Test Using Dial Hand Test Set</i>	
Selectors and Selector-Connectors	540-140-503
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<i>B Relay Timing Tests Using Relay Timing Test Set (SD-90418-01, J94713A)</i>	
Selectors	540-120-505
<i>B, C, and E Relay Timing Tests Using Relay Timing Test Set (SD-90418-01, J94713A)</i>	
Connectors and Selector-Connectors	540-143-507
<i>Continuity and Polarity Tests from Selector Levels</i>	
Trunks	540-169-501
<i>Correction of Pulsing Failures Using Pulsing Test Set (SD-31481-01, J34717A)</i>	
Selectors, Connectors, and Selector-Connectors	540-134-701
<i>Cut-In and Release Tests Using Dial Hand Test Set</i>	
Selectors, Connectors, and Selector-Connectors	540-134-501
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Dial Conference Circuit (SD-66461-01)	540-182-501
<i>Operation Tests from Selector Levels</i>	
Trunks and Tie Trunks	540-172-501
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Connectors and Selector-Connectors	540-143-504
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<i>Rotary and C Relay Timing Tests Using Relay Timing Test Set (SD-90418-01, J94713A)</i>	
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<i>Installation</i>	
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711A	
<i>B Relay Timing Tests Using Relay Timing Test Set (SD-90418-01, J94713A)</i>	
Selectors	540-120-505
<i>B, C, and E Relay Timing Tests Using Relay Timing Test Set (SD-90418-01, J94713A)</i>	
Connectors and Selector-Connectors	540-143-507
<i>Continuity and Polarity Tests from Selector Levels</i>	
Trunks	540-169-501
<i>Correction of Pulsing Failures Using Pulsing Test Set (SD-31481-01, J34717A)</i>	
Selectors, Connectors, and Selector-Connectors	540-134-701
<i>Cut-In and Release Tests Using Dial Hand Test Set</i>	
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<i>Group and Chain Circuit Test and Make-Busy from Circuit Beyond Line Finders and 3-Wire Trunk Finders</i>	540-117-503
<i>Method of Taking Out of Service Equipment and Circuits</i>	540-105-301
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<i>Operation Tests</i>	
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711A (Cont)	
<i>Operation Tests (Cont)</i>	
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<i>Operation Tests from Selector Levels</i>	
Trunks and Tie Trunks	540-172-501
<i>Operation Tests Using Test Set (SD-66073-01, J54701B)</i>	
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Selector-Connectors	540-128-503
Selectors	540-120-509
<i>Operation Tests Using Test Set (SD-90416-01, J94704A)</i>	
Connectors	540-125-507
Line Finders	540-115-501
Selectors	540-120-511
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Connectors and Selector-Connectors	540-143-504
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Selectors and Selector-Connectors	540-140-503
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711B	
<i>B Relay Timing Tests Using Relay Timing Test Set (SD-90418-01, J94713A)</i>	
Selectors	540-120-505
<i>B, C, and E Relay Timing Tests Using Relay Timing Test Set (SD-90418-01, J94713A)</i>	
Connectors and Selector-Connectors	540-143-507
<i>Continuity and Polarity Tests from Selector Levels</i>	
Trunks	540-169-501
<i>Correction of Pulsing Failures Using Pulsing Test Set (SD-31481-01, J34717A)</i>	
Selectors, Connectors, and Selector-Connectors	540-134-701
<i>Cut-In and Release Tests Using Dial Hand Test Set</i>	
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<i>General Description</i>	981-610-100

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711B (Cont)	
<i>Group and Chain Circuit Test and Make-Busy from Circuit Beyond Line Finders and 3-Wire Trunk Finders</i>	540-117-503
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<i>Operation Tests Using Test Set (SD-66073-01, J54701B)</i>	
Connectors	540-125-505
Line Finders and 3-Wire Trunk Finders	540-117-501
Selector-Connectors	540-128-503
Selectors	540-120-509
<i>Operation Tests Using Test Set (SD-90416-01, J94704A)</i>	
Connectors	540-125-507
Line Finders	540-115-501
Selectors	540-120-511
<i>Pulsing Tests Using Pulsing Test Set (SD-31481-01, J34717A)</i>	
Connectors and Selector-Connectors	540-143-504
Selectors	540-120-503
<i>Restricted Service Tests</i>	
Selector-Connector (SD-65721-01)	540-128-501
<i>Rotary and C Relay Timing Tests Using Relay Timing Test Set (SD-90418-01, J94713A)</i>	
Selectors	540-120-507
<i>Rotary Test Using Dial Hand Test Set</i>	
Selectors and Selector-Connectors	540-140-503
<i>Rotary Test Using 40C Test Set</i>	540-140-505
711PK	
<i>B Relay Timing Tests Using Relay Timing Test Set (SD-90418-01, J94713A)</i>	
Selectors	540-120-505
<i>B, C, and E Relay Timing Tests Using Relay Timing Test Set (SD-90418-01, J94713A)</i>	
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- Continuity and Polarity Tests from Selector Levels*  
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- Correction of Pulsing Failures Using Pulsing Test Set (SD-31481-01, J34717A)*  
Selectors, Connectors, and Selector-Connectors 540-134-701
- Cut-In and Release Tests Using Dial Hand Test Set*  
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- Operation Tests from Selector Levels*  
Trunks and Tie Trunks 540-172-501
- Operation Tests Using Test Set (SD-66073-01, J54701B)*  
Connectors 540-125-505  
Line Finders and 3-Wire Trunk Finders 540-117-501  
Selectors 540-120-509
- Operation Tests Using Test Set (SD-90416-01, J94704A)*  
Connectors 540-125-507  
Selectors 540-120-511
- Pulsing Tests Using Pulsing Test Set (SD-31481-01, J34717A)*  
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- Rotary and C Relay Timing Tests Using Relay Timing Test Set (SD-90418-01, J94713A)*  
Selectors 540-120-507
- Rotary Test Using Dial Hand Test Set*  
Selectors and Selector-Connectors 540-140-503
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- B, C, and E Relay Timing Tests Using Relay Timing Test Set (SD-90418-01, J94713A)*  
Connectors and Selector-Connectors 540-143-507
- Continuity and Polarity Tests from Selector Levels*  
Trunks 540-169-501
- Correction of Pulsing Failures Using Pulsing Test Set (SD-31481-01, J34717A)*  
Selectors, Connectors, and Selector-Connectors 540-134-701
- Cut-In and Release Tests Using Dial Hand Test Set*  
Selectors, Connectors, and Selector-Connectors 540-134-501
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Dial Conference Circuit (SD-66461-01) 540-182-501
- Operation Tests from Selector Levels*  
Trunks and Tie Trunks 540-172-501
- Operation Tests Using Dial Hand Test Set*  
Selector-Connectors 546-400-655
- Operation Tests Using Test Set (SD-66073-01, J54701B)*  
Line Finders and 3-Wire Trunk Finders 540-117-501  
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- Operation Tests Using Test Set (SD-90416-01, J94704A)*  
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- Pulsing Tests Using Pulsing Test Set (SD-31481-01, J34717A)*  
Connectors and Selector-Connectors 540-143-504
- Rotary Test Using Dial Hand Test Set*  
Selectors and Selector-Connectors 540-140-503
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- B, C, and E Relay Timing Tests Using Relay Timing Test Set (SD-90418-01, J94713A)*  
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<i>Cut-In and Release Tests Using Dial Hand Test Set</i>	
Selectors, Connectors, and Selector-Connectors	540-134-501
<i>Group and Chain Circuit Test and Make-Busy from Circuit Beyond Line Finders and 3-Wire Trunk Finders</i>	540-117-503
<i>Method of Taking Out of Service Equipment and Circuits</i>	540-105-301
<i>Method of Tracing Alarms</i>	546-400-310
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Central Office Trunks and Tie Trunks	546-400-666
<i>Operation Tests from Selector Levels</i>	
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Line Finders and 3-Wire Trunk Finders	540-117-501
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Line Finders	540-115-501
<i>Pulsing Tests Using Pulsing Test Set (SD-31481-01, J34717A)</i>	
Connectors and Selector-Connectors	540-143-504
<i>Rotary Test Using Dial Hand Test Set</i>	
Selectors and Selector-Connectors	540-140-503
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740B	
<i>B, C, and E Relay Timing Tests Using Relay Timing Test Set (SD-90418-01, J94713A)</i>	
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<i>Continuity and Polarity Tests from Selector Levels</i>	
Trunks	540-169-501
<i>Correction of Pulsing Failures Using Pulsing Test Set (SD-31481-01, J34717A)</i>	
Selectors, Connectors, and Selector-Connectors	540-134-701
<i>Cut-In and Release Tests Using Dial Hand Test Set</i>	
Selectors, Connectors, and Selector-Connectors	540-134-501
<i>General Description</i>	546-400-111
<i>Group and Chain Circuit Test and Make-Busy from Circuit Beyond Line Finders and 3-Wire Trunk Finders</i>	540-117-503
<i>Method of Taking Out of Service Equipment and Circuits</i>	540-105-301
<i>Method of Tracing Alarms</i>	546-400-310

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740B (Cont)	
<i>Group and Chain Circuit Test and Make-Busy from Circuit Beyond Line Finders and 3-Wire Trunk Finders</i>	540-117-503
<i>Method of Taking Out of Service Equipment and Circuits</i>	540-105-301
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Central Office Trunks and Tie Trunks	546-400-666
Dial Conference Circuit (SD-66461-01)	540-182-501
<i>Operation Tests from Selector Levels</i>	
Trunks and Tie Trunks	540-172-501
<i>Operation Tests Using Dial Hand Test Set</i>	
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<i>Operation Tests Using Test Set (SD-66073-01, J54701B)</i>	
Line Finders and 3-Wire Trunk Finders	540-117-501
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Line Finders	540-115-501
<i>Pulsing Tests Using Pulsing Test Set (SD-31481-01, J34717A)</i>	
Connectors and Selector-Connectors	540-143-504
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740C	
<i>B, C, and E Relay Timing Tests Using Relay Timing Test Set (SD-90418-01, J94713A)</i>	
Connectors and Selector-Connectors	540-143-507
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Trunks	540-169-501
<i>Correction of Pulsing Failures Using Pulsing Test Set (SD-31481-01, J34717A)</i>	
Selectors, Connectors, and Selector-Connectors	540-134-701
<i>Cut-In and Release Tests Using Dial Hand Test Set</i>	
Selectors, Connectors, and Selector-Connectors	540-134-501
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<i>Group and Chain Circuit Test and Make-Busy from Circuit Beyond Line Finders and 3-Wire Trunk Finders</i>	540-117-503
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Operation Tests Using Test Set (SD-66073-01, J54701B)	
Line Finders and 3-Wire Trunk Finders	540-117-501
Selector-Connectors	540-128-503
Operation Tests Using Test Set (SD-90416-01, J94704A)	
Line Finders	540-115-501
Pulsing Tests Using Pulsing Test Set (SD-31481-01, J34717A)	
Connectors and Selector-Connectors	540-143-504
Rotary Test Using Dial Hand Test Set	
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B Relay Timing Tests Using Relay Timing Test Set (SD-90418-01, J94713A)	
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B, C, and E Relay Timing Tests Using Relay Timing Test Set (SD-90418-01, J94713A)	
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Selectors, Connectors, and Selector-Connectors	540-134-701
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Selectors, Connectors, and Selector-Connectors	540-134-501
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Intercepting, Tone, and Announcement Trunks	540-175-501
Station Direct Station Selection Circuit (SD-66856-01)	540-113-501
Station Message Register Pulse Circuit (SD-66915-01)	540-110-501
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Connectors	540-125-505
Line Finders and 3-Wire Trunk Finders	540-117-501
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Selectors	540-120-509
Pulsing Tests Using Pulsing Test Set (SD-31481-01, J34717A)	
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608A Switchboard	538-081-215
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Equipment	551-702-210
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Equipment	551-702-210
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Equipment	551-722-210
Console Attendant, Call,	
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<i>General Description</i>	981-669-100
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Attendant and Station	
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Centralized Attendant Service	551-770-205
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Service Options	551-770-201
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*General Descriptive Information* 981-712-100

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Centralized Attendant Service  
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**PRIVATE BRANCH EXCHANGE B**

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<i>Method of Operation</i>	
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**PRIVATE BRANCH EXCHANGE, 520-TYPE—SEE****EMERGENCY REPORTING SYSTEM****PRIVATE LINE AUXILIARY CIRCUIT  
(POWERED FROM CO)**

4-Wire

<i>Connections</i>	
<i>Identification</i>	
<i>Tests</i>	
SD-69902-01	480-010-100

**PRIVATE LINE TELEPHONE SERVICE**

<i>Connections</i>	
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**PRIVATE LINE TELEPHONE SERVICE (Cont)***Connections (Cont)*

SS-1A Selective Signaling System	480-622-200
SS-3 (TOUCH-TONE® Service) Selective Signaling System	480-625-210
SS-4 Selective Signaling System	480-623-001
2-Digit TOUCH-TONE® Set to Dial Pulse Conversion Equipment	
SS-1 Selective Signaling System	480-621-202
SS-1A Selective Signaling System	480-621-202

*Detailed Tests*

Decoder and Keyer	
SS-1 Selective Signaling System	480-621-502
SS-1A Selective Signaling System	480-622-502
2-Digit TOUCH-TONE® Set to Dial Pulse Conversion Equipment	
SS-1 Selective Signaling System	480-621-503
SS-1A Selective Signaling System	480-621-503

*General Description*

SS-1 Selective Signaling System	982-325-100
SS-1A Selective Signaling System	982-326-100

*General Descriptive Information*

SS-4 Selective Signaling System	982-329-100
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*Identification*

SS-1 Selective Signaling System	480-621-200
SS-1A Selective Signaling System	480-622-200
SS-3 (TOUCH-TONE® Service) Selective Signaling System	480-625-210
SS-4 Selective Signaling System	480-623-001
2-Digit TOUCH-TONE® Set to Dial Pulse Conversion Equipment	
SS-1 Selective Signaling System	480-621-202
SS-1A Selective Signaling System	480-621-202

*Installation*

SS-1 Selective Signaling System	480-621-200
SS-1A Selective Signaling System	480-622-200
SS-3 (TOUCH-TONE® Service) Selective Signaling System	480-625-210
SS-4 Selective Signaling System	480-623-001
2-Digit TOUCH-TONE® Set to Dial Pulse Conversion Equipment	
SS-1 Selective Signaling System	480-621-202
SS-1A Selective Signaling System	480-621-202

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**PRIVATE LINE TELEPHONE SERVICE (Cont)**

*Maintenance*

SS-3 (TOUCH-TONE® Service) Selective Signaling System	480-625-210
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*Operational Sketches*

SS-1 Selective Signaling System	480-621-500
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*Operational Tests*

SS-3 (TOUCH-TONE® Service) Selective Signaling System	480-625-210
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*Overall Tests*

SS-1 Selective Signaling System	480-621-501
SS-1A Selective Signaling System	480-622-501

*Sequence Charts*

SS-1 Selective Signaling System	480-621-500
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*Service Options*

SS-1 Selective Signaling System	480-621-200
SS-1A Selective Signaling System	480-622-200

**PRIVATE LINE TERMINATING CIRCUIT**

4-Wire

*Connections*

SD-1G297-01	480-617-100
SD-69449-01	480-616-100
SD-69566-01	480-615-100

*General Description*

SD-69566-01	981-249-100
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*Identification*

SD-1G297-01	480-617-100
SD-69449-01	480-616-100
SD-69566-01	480-615-100

*Installation*

SD-1G297-01	480-617-100
SD-69449-01	480-616-100
SD-69566-01	480-615-100

*Line-Up Procedure*

SD-69566-01	480-615-100
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**PRIVATE LINE TERMINATION**

*Connections*

*Identification*

Station Arrangement for 2- and 4-Wire No. 5 Crossbar Central Office Lines	480-610-100
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**PROBE; TEST—SEE TEST PROBE.**

**PROGRAM PACKAGE; X-RAY—SEE X-RAY**

**PROGRAM PACKAGE**

**PROGRESS CIRCUIT; CALL—SEE CALL**

**PROGRESS CIRCUIT**

**PROGRESS INDICATOR (SD-67058-01);**

**CALL—SEE CALL PROGRESS INDICATOR  
(SD-67058-01)**

**PROGRESS INDICATOR; CALL—SEE CALL**

**PROGRESS INDICATOR**

**PROTECTION AND GROUNDS; STATION—SEE**

**STATION PROTECTION AND GROUNDS**

**PROTECTION OF SERVICE**

*Adjustment*

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*Circuit Tests*

Intra-PBX (SD-1E031-01)	473-105-501
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**PROTECTION OF SERVICE (Cont)**

*Connections*

Intra-PBX (SD-1E031-01)	473-105-201
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*Identification*

Intra-PBX (SD-1E031-01)	473-105-201
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*Installation*

Intra-PBX (SD-1E031-01)	473-105-201
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**PROTECTION; MECHANICAL—SEE MECHANICAL  
PROTECTION**

**PROTECTIVE CONNECTING ARRANGEMENT**

Interconnecting Unit

*Identification*

*Installation*

*Maintenance*

*Operation*

C2F (Using 120-type IU)	IA463-341-101
STP (Using 120-type IU)	IA463-341-101

PBX Tie Trunk Interconnecting  
Arrangement

*Connections*

*Identification*

*Installation*

*Maintenance*

*Operation*

CDQ2W (2-Way Dial Repeating)	IB463-360-101
CDQ2X (2-Way Dial Repeating)	IB463-360-101

Protective Connecting Arrangement

*Connections*

AD1 (Using 23A Coupler)	463-340-105
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CBF	IB463-350-104
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CBF (Connecting Arrangement)	IB463-350-106
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CDH (For 2-way Ground Start CO Trunks)	IB463-350-104
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CDQ4W (2-Way Dial Repeating)	IB463-360-100
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CDQ4X (2-Way Dial Repeating)	IB463-360-100
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CD7 (1-way Outgoing Manual Service)	IB463-350-106
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CD8 (1-way Outgoing Automatic Service)	IB463-350-106
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CD9 (2-way Loop Manual Service)	IB463-350-106
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CED (Using 101A IU)	IB463-350-107
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C1V (Using 18D KTU)	IB463-382-100
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C2ACP	IA463-341-100
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C2H	IB463-370-101
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C22 (Using 112A IU)	IB463-350-109
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C24	IB463-370-101
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FTM (34A Voice Coupler)	IA463-341-103
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GC2 (Using 15D KTU)	IB463-382-100
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HZM	IB463-382-102
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RCX (Using 117A IU)	IB463-382-100
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RDMZR (Using KS-20721 Station Coupler)	IA463-340-101
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RDY (Using KS-20721 Station Coupler)	IA463-340-101
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STS (Using KS-20721 Station Coupler)	IA463-340-102
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SUT	463-331-106
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SU6AQ (Using KS-20721 Station Coupler)	IA463-340-102
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SU7QW (Using KS-20721 Voice Coupler)	IA463-340-104
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TAS	463-350-110
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*Identification*

AD1 (Using 23A Coupler)	463-340-105
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CBF	IB463-350-104
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**PROTECTIVE CONNECTING ARRANGEMENT (Cont)**Protective Connecting Arrangement (Cont)  
*Identification (Cont)*

CBF (Connecting Arrangement)	IB463-350-106
CDH (For 2-way Ground Start CO Trunks)	IB463-350-104
CDQ4W (2-Way Dial Repeating)	IB463-360-100
CDQ4X (2-Way Dial Repeating)	IB463-360-100
CD7 (1-way Outgoing Manual Service)	IB463-350-106
CD8 (1-way Outgoing Automatic Service)	IB463-350-106
CD9 (2-way Loop Manual Service)	IB463-350-106
CED (Using 101A IU)	IB463-350-107
C1V (Using 18D KTU)	IB463-382-100
C2ACP	IA463-341-100
C2H	IB463-370-101
C22 (Using 112A IU)	IB463-350-109
C24	IB463-370-101
FTM (34A Voice Coupler)	IA463-341-103
GC2 (Using 15D KTU)	IB463-382-100
HZM	IB463-382-102
RCX (Using 117A IU)	IB463-382-102
RDMZR (Using KS-20721 Station Coupler)	IA463-340-101
RDY (Using KS-20721 Station Coupler)	IA463-340-101
STS (Using KS-20721 Station Coupler)	IA463-340-102
SUT	463-331-106
SU6AQ (Using KS-20721 Station Coupler)	IA463-340-102
SU7QW (Using KS-20721 Voice Coupler)	IA463-340-104
TAS	463-350-110

*Installation*

AD1 (Using 23A Coupler)	463-340-105
CBF	IB463-350-104
CBF (Connecting Arrangement)	IB463-350-106
CDH (For 2-way Ground Start CO Trunks)	IB463-350-104
CDQ4W (2-Way Dial Repeating)	IB463-360-100
CDQ4X (2-Way Dial Repeating)	IB463-360-100
CD7 (1-way Outgoing Manual Service)	IB463-350-106
CD8 (1-way Outgoing Automatic Service)	IB463-350-106
CD9 (2-way Loop Manual Service)	IB463-350-106
CED (Using 101A IU)	IB463-350-107
C1V (Using 18D KTU)	IB463-382-100
C2ACP	IA463-341-100
C2H	IB463-370-101
C22 (Using 112A IU)	IB463-350-109
C24	IB463-370-101
FTM (34A Voice Coupler)	IA463-341-103
GC2 (Using 15D KTU)	IB463-382-100
HZM	IB463-382-102
RCX (Using 117A IU)	IB463-382-102
RDMZR (Using KS-20721 Station Coupler)	IA463-340-101
RDY (Using KS-20721 Station Coupler)	IA463-340-101
STS (Using KS-20721 Station Coupler)	IA463-340-102

**PROTECTIVE CONNECTING ARRANGEMENT (Cont)**Protective Connecting Arrangement (Cont)  
*Installation (Cont)*

SUT	463-331-106
SU6AQ (Using KS-20721 Station Coupler)	IA463-340-102
SU7QW (Using KS-20721 Voice Coupler)	IA463-340-104
TAS	463-350-110
<i>Maintenance</i>	
AD1 (Using 23A Coupler)	463-340-105
CBF	IB463-350-104
CBF (Connecting Arrangement)	IB463-350-106
CDH (For 2-way Ground Start CO Trunks)	IB463-350-104
CDQ4W (2-Way Dial Repeating)	IB463-360-100
CDQ4X (2-Way Dial Repeating)	IB463-360-100
CD7 (1-way Outgoing Manual Service)	IB463-350-106
CD8 (1-way Outgoing Automatic Service)	IB463-350-106
CD9 (2-way Loop Manual Service)	IB463-350-106
CED (Using 101A IU)	IB463-350-107
C1V (Using 18D KTU)	IB463-382-100
C2ACP	IA463-341-100
C2H	IB463-370-101
C22 (Using 112A IU)	IB463-350-109
C24	IB463-370-101
FTM (34A Voice Coupler)	IA463-341-103
GC2 (Using 15D KTU)	IB463-382-100
HZM	IB463-382-102
RCX (Using 117A IU)	IB463-382-102
RDMZR (Using KS-20721 Station Coupler)	IA463-340-101
RDY (Using KS-20721 Station Coupler)	IA463-340-101
STS (Using KS-20721 Station Coupler)	IA463-340-102
SU6AQ (Using KS-20721 Station Coupler)	IA463-340-102
SU7QW (Using KS-20721 Voice Coupler)	IA463-340-104
TAS	463-350-110

*Method of Operation*

CDQ4W (2-Way Dial Repeating)	IB463-360-100
CDQ4X (2-Way Dial Repeating)	IB463-360-100
CED (Using 101A IU)	IB463-350-107
C22 (Using 112A IU)	IB463-350-109

*Operation*

AD1 (Using 23A Coupler)	463-340-105
CBF	IB463-350-104
CBF (Connecting Arrangement)	IB463-350-106
CDH (For 2-way Ground Start CO Trunks)	IB463-350-104
CD7 (1-way Outgoing Manual Service)	IB463-350-106
CD8 (1-way Outgoing Automatic Service)	IB463-350-106
CD9 (2-way Loop Manual Service)	IB463-350-106
C1V (Using 18D KTU)	IB463-382-100
C2ACP	IA463-341-100
C2H	IB463-370-101
C24	IB463-370-101
FTM (34A Voice Coupler)	IA463-341-103

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**PROTECTIVE CONNECTING ARRANGEMENT (Cont)**

Protective Connecting Arrangement (Cont)

*Operation (Cont)*

GC2 (Using 15D KTU) IB463-382-100  
 HZM IB463-382-102  
 RCX (Using 117A IU) IB463-382-100  
 RDMZR (Using KS-20721 Station Coupler) IA463-340-101  
 RDY (Using KS-20721 Station Coupler) IA463-340-101  
 STS (Using KS-20721 Station Coupler) IA463-340-102  
 SUT 463-331-106  
 SU6AQ (Using KS-20721 Station Coupler) IA463-340-102  
 SU7QW (Using KS-20721 Voice Coupler) IA463-340-104  
 TAS 463-350-110

Recorder Connector (KS-19645)

*Connections*  
*Identification*  
*Installation*  
*Maintenance*  
*Operation*

RCZ IA463-340-120  
 RC1 IA463-340-120  
 RTT IA463-340-120  
 4-Wire Service IA463-340-120

**PROTECTOR**

116-Type

*Installation* 624-300-200

**PROTECTOR GUARD**

KS-14539 SB460-110-100

**PUBLIC PHONE SIGN**

Illuminated Type CB508-810-202

**PUBLIC TELEPHONE**

Drive-Up, Walk-Up

*Identification*  
*Installation*  
*Maintenance*

Mounting, KS-16705 508-450-100

Walk-Up

*Identification*  
*Installation*  
*Maintenance*

Mounting, KS-20842  
 Sentry\* CB508-452-100

\*Trademark of Western Electric

Walk-Up, Drive-Up

*Identification*  
*Installation*  
*Maintenance*

Mounting, KS-19426 CB508-451-100

**PULSE CONVERTER CIRCUIT (SD-67016-01);**

**DIAL—SEE DIAL PULSE CONVERTER CIRCUIT (SD-67016-01)**

**PULSE REGISTER CIRCUIT; DIAL—SEE DIAL**

**PULSE REGISTER CIRCUIT**

**PULSING TESTS**

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*Maintenance*

800A (Electronic-Type) Private Branch Exchange 553-010-310  
 801A (Electronic-Type) Private Branch Exchange 553-010-310

**PUNCHED- OR WIRE-TYPE; TERMINALS—SEE**

**TERMINALS PUNCHED- OR WIRE-TYPE**

**PVF (USING 114A IU)**

*Connection*

*Identification*

*Installation*

*Maintenance*

*Method of Operation*

PICTUREPHONE Connecting Arrangement

463-390-100

**QKP**

*Connections*

*Identification*

*Installation*

*Maintenance*

*Operation*

Voice Connecting Arrangement

463-311-109

**QKT (USING 30-TYPE VOICE COUPLER)**

*Connections*

*Identification*

*Installation*

*Maintenance*

*Operation*

Voice Connecting Arrangement

IA463-311-100

**QKTB (USING 30-TYPE VOICE COUPLER)**

*Connections*

*Identification*

*Installation*

*Maintenance*

*Operation*

Voice Connecting Arrangement

IA463-311-100

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*General*

461-300-100

*Identification*

461-300-102

*Installation*

461-300-102

**RADIO FREQUENCY INTERFERENCE**

*For Telephone Sets*

Radio Signal Suppression

SA500-150-100

**RADIO SIGNAL SUPPRESSION**

*For Telephone Sets*

Capacitor, 40BA

SA500-150-100

Electromagnetic Interference

SA500-150-100

Inductor, 1542A, AM

SA500-150-100

Network, 4010E

SA500-150-100

Network, 4228D

SA500-150-100

Network, 4228J

SA500-150-100

Network, 425J

SA500-150-100

Radio Frequency Interference

SA500-150-100

**RANGE CHARTS; PBX—SEE PBX RANGE**

**CHARTS**

**RANGE EXTENDER; RINGING—SEE RINGING**

**RANGE EXTENDER**

**RCX (USING 117A IU)**

*Connections*

*Identification*

*Installation*

*Maintenance*

*Operation*

Protective Connecting

Arrangement

IB463-382-100

**RCZ**

*Connections*

*Identification*

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Installation			
Maintenance			
Operation			
Recorder Connector (KS-19645)			
Protective Connecting Arrangement	IA463-340-120		
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Connections			
Identification			
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Maintenance			
Operation			
Recorder Connector (KS-19645)			
Protective Connecting Arrangement	IA463-340-120		
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Connections			
Identification			
Installation			
Maintenance			
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Voice Connecting Arrangement	IA463-340-110		
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Connections			
Identification			
Installation			
Maintenance			
Operation			
Voice Connecting Arrangement	IA463-340-111		
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Connections			
Identification			
Installation			
Maintenance			
Operation			
Voice Connecting Arrangement	IA463-340-110		
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Identification			
Installation			
Maintenance			
Operation			
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Operation			
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		1A Home Interphone System	512-510-100
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		730A	
		1A Home Interphone System	512-510-200
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		730A	
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		730A	
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		SD-65728-01	473-130-501
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		Operation	
		DCT	IA463-332-110
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		50-Type Associated with KS-16730L1	463-230-100
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		Maintenance	
		50-Type Associated with KS-16730L1	463-230-200
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Distributors (ACD)

476-100-701

3-Type Automatic Call

Distributors (ACD)

476-100-701

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SB461-220-101

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J87202A

169-430-100

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169-467-301

*Description*

Miscellaneous Electron Tube

Type

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Regulated Tube Type

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*Installation*

Miscellaneous Semiconductor

Type (Metallic)

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*Operating Methods*

J29361F-1

169-471-301

J8620A, D, G, H, K, L, M, U

169-230-301

J8620JL4, L5, L6

169-232-301

J86207E

169-232-301

J86207W

169-234-301

J86231A

169-238-301

J86281A

169-429-301

J87211

169-245-301

J87215 Semiconductor Type

169-250-301

J87223

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J87224

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J87229

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J87232A

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J87233A

169-261-301

J87242A

169-431-301

J87243A

169-432-301

J87244A

169-433-301

J87320A

169-263-301

J87328A

169-469-301

J87329A

169-470-301

J87434A

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KS-15661

169-262-301

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169-465-301

KS-15678

169-265-301

KS-19231L1, L2

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KS-19921L1

169-466-301

KS-21090

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KS-21195

169-472-303

KS-21421L1, L2

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Type

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Type

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Type

169-215-301

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*Piece Part Data*

Error Detector Cards

J87224

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Metallic J86256

169-215-801

Semiconductor Type

169-215-801

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Regulated

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Type

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Power Supply T603B1

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800A Private Branch Exchange

553-124-501

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Step-By-Step Private Branch

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551-518-500

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758C Private Branch Exchange

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758C Private Branch Exchange

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14-Type	069-360-801
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RJA3X	SA463-400-110

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RJ11C	SA463-400-120
RJ11W	SA463-400-120
RJ12C	SA463-400-120
RJ12W	SA463-400-120
RJ13C	SA463-400-120
RJ13W	SA463-400-120

*Bridged Single Line**Weaterproof*

RJ15C	SA463-400-121
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*Series Single Line*

RJ31X	SA463-400-130
RJ32X	SA463-400-130
RJ34X	SA463-400-130
RJ35X	SA463-400-130

*Bridged Two Line*

RJ14C	SA462-400-140
RJ14W	SA462-400-140

*Bridged Multiple*

RJ21X	SA463-400-141
RJ22X	SA463-400-141
RJ23X	SA463-400-141
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KS-16626 Type	463-120-100
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Contacts	069-310-802
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069-307-801
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1A	SD514-230-100
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*Detailed Description*

1A	514-230-101
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*Identification*

1A	SD514-230-100
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*Installation*

1A	SD514-230-100
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*Maintenance*

1A	SD514-230-100
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*Test*

1A	SD514-230-100
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800A (Electronic-Type) Private	
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Branch Exchange	553-010-310
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801A (Electronic-Type) Private	
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Branch Exchange	553-010-310
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**RESTORATION AND AUXILIARY CONTROL;****DIAL—SEE DIAL RESTORATION AND****AUXILIARY CONTROL****RESTORATION PANEL (AUTOVON); DIAL—SEE****DIAL RESTORATION PANEL (AUTOVON)****RESTRICTED STATION FEATURE; FULLY—SEE****FULLY RESTRICTED STATION FEATURE****RESTRICTION CIRCUIT (SD-5E012-01);****STATION—SEE STATION RESTRICTION****CIRCUIT (SD-5E012-01)****RESTRICTION CIRCUIT (SD-5E015-01);****STATION—SEE STATION RESTRICTION****CIRCUIT (SD-5E015-01)**

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<i>Tip and Ring Arrangements</i>			
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Bridged Line	SA463-400-120		
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<i>Tip and Ring Arrangements</i>			
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Registration Interface			
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<i>Tip and Ring Arrangements</i>			
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<b>SAFETY STRAP</b>			<b>SELECTIVE CONTROL SYSTEM</b>	
<i>Description</i>			SC2	
<i>Use</i>			<i>General Description</i>	982-305-100
D	SB081-720-101		<b>SELECTIVE ROUTING CIRCUITS WITH DIRECT LINES</b>	
<b>SAGE/BUIC (PHASE-III)</b>			<i>Operation Tests</i>	
<i>General Description</i>	981-201-100		520-Type PBX Emergency Reporting System	473-218-655
<b>SCREW EYE; INSULATED—SEE INSULATED SCREW EYE</b>			<i>Tests</i>	
<b>SCREWDRIVERS</b>			520-Type PBX Emergency Reporting System	067-304-501
<i>Maintenance</i>	075-160-301		<b>SELECTIVE SIGNALING SYSTEM</b>	
<i>Selection</i>	075-160-301		SS-1	
<i>Use</i>	075-160-301		<i>Connections</i>	
<b>SCREWS; ANGLE—SEE ANGLE SCREWS</b>			Private Line Telephone Service	480-621-200
<b>SECRETARIAL ANSWERING SERVICE</b>			2-Digit TOUCH-TONE® Set to Dial Pulse Conversion Equipment Private Line Telephone Service	480-621-202
Key Equipment			<i>Detailed Tests</i>	
<i>Connections</i>			Decoder and Keyer Private Line Telephone Service	480-621-502
<i>Description</i>			2-Digit TOUCH-TONE® Set to Dial Pulse Conversion Equipment Private Line Telephone Service	480-621-503
<i>Installation</i>			<i>General Description</i>	
<i>Maintenance</i>			Private Line Telephone Service	982-325-100
<i>Operation</i>			<i>Identification</i>	
103A	512-336-100		Private Line Telephone Service	480-621-200
Secretarial Answering Service			2-Digit TOUCH-TONE® Set to Dial Pulse Conversion Equipment Private Line Telephone Service	480-621-202
<i>Circuit Tests</i>			<i>Installation</i>	
557A Private Branch Exchange	473-601-501		Private Line Telephone Service	480-621-200
557B Private Branch Exchange	473-602-501		2-Digit TOUCH-TONE® Set to Dial Pulse Conversion Equipment Private Line Telephone Service	480-621-202
<i>General Description</i>			<i>Operational Sketches</i>	
557B Private Branch Exchange	981-531-100		Private Line Telephone Service	480-621-500
<i>Inspections</i>			<i>Overall Tests</i>	
557B Private Branch Exchange	473-602-210		Private Line Telephone Service	480-621-501
<i>Tests</i>			<i>Sequence Charts</i>	
557B Private Branch Exchange	473-602-210		Private Line Telephone Service	480-621-500
<b>SECRETARIAL ANSWERING SERVICE; TELEPHONE—SEE TELEPHONE SECRETARIAL ANSWERING SERVICE</b>			<i>Service Options</i>	
<b>SECRETARIAL LINE UNIT (J59023G)</b>			Private Line Telephone Service	480-621-200
<i>Connections</i>			SS-1A	
<i>Identification</i>			<i>Connections</i>	
<i>Installation</i>			Private Line Telephone Service	480-622-200
557A Private Branch Exchange	473-601-201		2-Digit TOUCH-TONE® Set to Dial Pulse Conversion Equipment Private Line Telephone Service	480-621-202
<b>SECURE VOICE AUTOVON TRUNK CIRCUIT (SD-67085-01)</b>				
<i>Preemption Signaling Circuit Test Using Preempt-Precedence Test Set (SD-69550-01, J53042A)</i>				
758C Private Branch Exchange	551-551-500			
<b>SECURITY DEVICES</b>				
<i>Reference</i>	506-101-100			
<i>Service</i>	CA506-101-400			
<b>SELECT MAGNET CONNECTOR CIRCUIT (SD-65913-01); LINK AND—SEE LINK AND SELECT MAGNET CONNECTOR CIRCUIT (SD-65913-01)</b>				
<b>SELECTING OUTDOOR LOCATIONS</b>				
<i>Reference</i>				
Common Battery Station Sets	SA502-120-202			
<b>SELECTION AND AUXILIARY TRUNK CIRCUIT (FOR OUTWARD SERVICE FROM ATTENDANT POSITION SD-66790-01); AUTOMATIC—SEE AUTOMATIC SELECTION AND AUXILIARY TRUNK CIRCUIT (FOR OUTWARD SERVICE FROM ATTENDANT POSITION SD-66790-01)</b>				
<b>SELECTION OF APPARATUS</b>				
<i>Class of Service and Zone</i>				
Telephone Set	500-110-100			



**SELECTIVE SIGNALING SYSTEM (Cont)**

SS-1A (Cont)	
<i>Detailed Tests</i>	
Decoder and Keyer	
Private Line Telephone Service	480-622-502
2-Digit TOUCH-TONE® Set to Dial Pulse Conversion Equipment	
Private Line Telephone Service	480-621-503
<i>General Description</i>	
Private Line Telephone Service	982-326-100
<i>Identification</i>	
Private Line Telephone Service	480-622-200
2-Digit TOUCH-TONE® Set to Dial Pulse Conversion Equipment	
Private Line Telephone Service	480-621-202
<i>Installation</i>	
Private Line Telephone Service	480-622-200
2-Digit TOUCH-TONE® Set to Dial Pulse Conversion Equipment	
Private Line Telephone Service	480-621-202
<i>Overall Tests</i>	
Private Line Telephone Service	480-622-501
<i>Service Options</i>	
Private Line Telephone Service	480-622-200
SS-3	
<i>Initial Lineup</i>	
Order Wire	480-630-210
<i>Maintenance Tests</i>	
Order Wire	480-630-210
SS-3 (TOUCH-TONE® Service)	
<i>Connections</i>	
Private Line Telephone Service	480-625-210
<i>General Description</i>	982-328-100
<i>Identification</i>	
Private Line Telephone Service	480-625-210
<i>Installation</i>	
Private Line Telephone Service	480-625-210
<i>Maintenance</i>	
Private Line Telephone Service	480-625-210
<i>Operational Tests</i>	
Private Line Telephone Service	480-625-210
SS-4	
<i>Connections</i>	
Private Line Telephone Service	480-623-001
<i>General Descriptive Information</i>	
Private Line Telephone Service	982-329-100
<i>Identification</i>	
Private Line Telephone Service	480-623-001
<i>Installation</i>	
Private Line Telephone Service	480-623-001

**SELECTIVE SIGNALING SYSTEM (Cont)**

SS-4 (Cont)	
<i>Maintenance</i>	
Private Line Telephone Service	480-623-002
<b>SELECTIVE SWITCHING SYSTEM</b>	
SS-3	
<i>General Description</i>	
Order Wire	982-329-110
<b>SELECTOR AND DIAL REPEATING TIE TRUNK; INCOMING—SEE INCOMING SELECTOR AND DIAL REPEATING TIE TRUNK</b>	
<b>SELECTOR BANK CONTACTS</b>	
<i>Cleaning and Treating</i>	
Associated Wipers	
Telegraph and Toll Equipments	069-331-801
204-Type	
Telegraph and Toll Equipments	069-331-801
<b>SELECTOR CONSOLES</b>	
<i>Identification</i>	
<i>Installation</i>	
<i>Maintenance</i>	
1A1-Type	504-110-101
1A2-Type	504-110-101
<b>SELECTOR-CONNECTOR (SD-65721-01)</b>	
<i>Restricted Service Tests</i>	
701A Private Branch Exchange	540-128-501
701B Private Branch Exchange	540-128-501
711A Private Branch Exchange	540-128-501
711B Private Branch Exchange	540-128-501
740E Private Branch Exchange	540-128-501
<b>SELECTOR-CONNECTORS</b>	
<i>Operation Tests Using Dial Hand Test Set</i>	
740A Private Branch Exchange	546-400-655
740AX Private Branch Exchange	546-400-655
740B Private Branch Exchange	546-400-655
740C Private Branch Exchange	546-400-655
<i>Operation Tests Using Test Set (SD-66073-01, J54701B or SD-90416-01, J94704A)</i>	
701A Private Branch Exchange	540-128-503
701B Private Branch Exchange	540-128-503
711A Private Branch Exchange	540-128-503
711B Private Branch Exchange	540-128-503
740A Private Branch Exchange	540-128-503
740AX Private Branch Exchange	540-128-503
740B Private Branch Exchange	540-128-503
740C Private Branch Exchange	540-128-503
740E Private Branch Exchange	540-128-503
<b>SELECTOR-CONNECTORS; CONNECTORS AND—SEE CONNECTORS AND SELECTOR-CONNECTORS</b>	
<b>SELECTOR-CONNECTORS; SELECTORS AND—SEE SELECTORS AND SELECTOR-CONNECTORS</b>	
<b>SELECTORS</b>	
<i>B Relay Timing Tests Using Relay Timing Test Set (SD-90418-01, J94713A)</i>	
700C Private Branch Exchange	540-120-505
701A Private Branch Exchange	540-120-505
701B Private Branch Exchange	540-120-505
701PK Private Branch Exchange	540-120-505
702A Private Branch Exchange	540-120-505
710C Private Branch Exchange	540-120-505

**SECTION 460-000-006**

**SELECTORS (Cont)**

*B Relay Timing Tests Using Relay (Cont)*

711A Private Branch Exchange 540-120-505  
 711B Private Branch Exchange 540-120-505  
 711PK Private Branch Exchange 540-120-505  
 740E Private Branch Exchange 540-120-505

*Cleaning and Treatment*

Associated Banks 069-330-801  
 Rotors 069-330-801  
 200-Type 069-330-801  
 206-Type 069-330-801  
 209-Type 069-330-801  
 211-Type 069-330-801

*Operation Tests*

3A Automatic Call Distributing System 476-314-501

*Operation Tests Using Test Set (SD-66073-01, J54701B)*

701A Private Branch Exchange 540-120-509  
 701B Private Branch Exchange 540-120-509  
 701PK Private Branch Exchange 540-120-509  
 711A Private Branch Exchange 540-120-509  
 711B Private Branch Exchange 540-120-509  
 711PK Private Branch Exchange 540-120-509  
 740E Private Branch Exchange 540-120-509

*Operation Tests Using Test Set (SD-90416-01, J94704A)*

701A Private Branch Exchange 540-120-511  
 701B Private Branch Exchange 540-120-511  
 701PK Private Branch Exchange 540-120-511  
 702A Private Branch Exchange 540-120-511  
 711A Private Branch Exchange 540-120-511  
 711B Private Branch Exchange 540-120-511  
 711PK Private Branch Exchange 540-120-511

*Pulsing Tests Using Pulsing Test Set (SD-31481-01, J34717A)*

700C Private Branch Exchange 540-120-503  
 701A Private Branch Exchange 540-120-503  
 701B Private Branch Exchange 540-120-503  
 701PK Private Branch Exchange 540-120-503  
 702A Private Branch Exchange 540-120-503  
 710C Private Branch Exchange 540-120-503  
 711A Private Branch Exchange 540-120-503  
 711B Private Branch Exchange 540-120-503  
 711PK Private Branch Exchange 540-120-503  
 740E Private Branch Exchange 540-120-503

*Rotary and C Relay Timing Tests Using Relay Timing Test Set (SD-90418-01, J94713A)*

700C Private Branch Exchange 540-120-507  
 701A Private Branch Exchange 540-120-507  
 701B Private Branch Exchange 540-120-507  
 701PK Private Branch Exchange 540-120-507  
 702A Private Branch Exchange 540-120-507  
 710C Private Branch Exchange 540-120-507  
 711A Private Branch Exchange 540-120-507  
 711B Private Branch Exchange 540-120-507  
 711PK Private Branch Exchange 540-120-507  
 740E Private Branch Exchange 540-120-507

*Rotary, Cut-In, and Release Tests Using Dial Hand Test Set*

3A Automatic Call Distributing System 476-314-502

**SELECTORS AND CONNECTORS**

*Operation Tests using Test Set (SD-90210-01)*

702A Private Branch Exchange 543-020-655

**SELECTORS AND SELECTOR-CONNECTORS**

*Rotary Test Using Dial Hand Test Set*

700C Private Branch Exchange 540-140-503  
 701A Private Branch Exchange 540-140-503  
 701B Private Branch Exchange 540-140-503  
 701PK Private Branch Exchange 540-140-503  
 702A Private Branch Exchange 540-140-503  
 710C Private Branch Exchange 540-140-503  
 711A Private Branch Exchange 540-140-503  
 711B Private Branch Exchange 540-140-503  
 711PK Private Branch Exchange 540-140-503  
 740A Private Branch Exchange 540-140-503  
 740AX Private Branch Exchange 540-140-503  
 740B Private Branch Exchange 540-140-503  
 740C Private Branch Exchange 540-140-503  
 740E Private Branch Exchange 540-140-503

**SELECTORS, CONNECTORS, AND SELECTOR-CONNECTORS**

*Correction of Pulsing Failures Using Pulsing Test Set (SD-31481-01, J34717A)*

700C Private Branch Exchange 540-134-701  
 701A Private Branch Exchange 540-134-701  
 701B Private Branch Exchange 540-134-701  
 701PK Private Branch Exchange 540-134-701  
 702A Private Branch Exchange 540-134-701  
 710C Private Branch Exchange 540-134-701  
 711A Private Branch Exchange 540-134-701  
 711B Private Branch Exchange 540-134-701  
 711PK Private Branch Exchange 540-134-701  
 740A Private Branch Exchange 540-134-701  
 740AX Private Branch Exchange 540-134-701  
 740B Private Branch Exchange 540-134-701  
 740C Private Branch Exchange 540-134-701  
 740E Private Branch Exchange 540-134-701

*Cut-In and Release Tests Using Dial Hand Test Set*

700C Private Branch Exchange 540-134-501  
 701A Private Branch Exchange 540-134-501  
 701B Private Branch Exchange 540-134-501  
 701PK Private Branch Exchange 540-134-501  
 702A Private Branch Exchange 540-134-501  
 710C Private Branch Exchange 540-134-501  
 711A Private Branch Exchange 540-134-501  
 711B Private Branch Exchange 540-134-501  
 711PK Private Branch Exchange 540-134-501  
 740A Private Branch Exchange 540-134-501  
 740AX Private Branch Exchange 540-134-501  
 740B Private Branch Exchange 540-134-501  
 740C Private Branch Exchange 540-134-501  
 740E Private Branch Exchange 540-134-501

**SEMIPUBLIC EXTENSION TELEPHONE**

*General*

Coin Telephone Stations CA506-100-108

**SENDERS (SD-65816-01) AND SENDER LINKS**

(SD-65820-01); REGISTER—SEE REGISTER

SENDERS (SD-65816-01) AND SENDER LINKS

(SD-65820-01)

**SEPARATELY MOUNTED KEYS**

*General*

Colored Buttons 463-210-110

## SEPARATION

*Reference*

Wire and Cable General  
Precautions

SB460-300-149

SEPARATIONS; CLEARANCES AND—SEE CLEARANCES AND SEPARATIONS  
SERVICE CIRCUIT (SD-65894-01); NIGHT—SEE NIGHT SERVICE CIRCUIT (SD-65894-01)  
SERVICE LINES; SPECIAL—SEE SPECIAL SERVICE LINES  
SERVICE PROTECTION (SSP); SPECIAL—SEE SPECIAL SERVICE PROTECTION (SSP);  
SERVICE TRUNK (SD-65967-01); NIGHT—SEE NIGHT SERVICE TRUNK (SD-65967-01)  
SERVICE TRUNK CIRCUIT (SD-5E036-01); NIGHT—SEE NIGHT SERVICE TRUNK CIRCUIT (SD-5E036-01)  
SERVICE TRUNK CIRCUIT; NIGHT—SEE NIGHT SERVICE TRUNK CIRCUIT  
SERVICE UNIT; KEY—SEE KEY SERVICE UNIT  
SERVICE UNITS; KEY—SEE KEY SERVICE UNITS  
SERVICE; AUTOVON—SEE AUTOVON SERVICE  
SERVICE; PROTECTION OF—SEE PROTECTION OF SERVICE  
SERVICES; INTERCOM—SEE INTERCOM SERVICES  
SET (KS-16990, L1); TEST—SEE TEST SET (KS-16990, L1)  
SET (KS-21055 NATIS); TEST—SEE TEST SET (KS-21055 NATIS)  
SET BASE (5000AM); TRANSACTION—SEE TRANSACTION SET BASE (5000AM)  
SET BASE (5100AM); TRANSACTION—SEE TRANSACTION SET BASE (5100AM)  
SET BASE (5100BM); TRANSACTION—SEE TRANSACTION SET BASE (5100BM)  
SET BASE; TELEPHONE—SEE TELEPHONE SET BASE  
SET BASES; TELEPHONE—SEE TELEPHONE SET BASES  
SET CABLE EQUALIZER; STATION—SEE STATION SET CABLE EQUALIZER  
SET COMPONENTS; TELEPHONE—SEE TELEPHONE SET COMPONENTS  
SET PBX CORD CIRCUIT (SD-66484-01, J54703A); TEST—SEE TEST SET PBX CORD CIRCUIT (SD-66484-01, J54703A)  
SET RECEIVER (SD-66890-01, J58847M); TEST—SEE TEST SET RECEIVER (SD-66890-01, J58847M)  
SET SYSTEM STATUS INDICATOR (KS-21194); TEST—SEE TEST SET SYSTEM STATUS INDICATOR (KS-21194)  
SET 81A; TEST—SEE TEST SET 81A  
SET; ANNOUNCEMENT—SEE ANNOUNCEMENT SET  
SET; CONFERENCE—SEE CONFERENCE SET  
SET; LOUDSPEAKER—SEE LOUDSPEAKER SET  
SET; RELAY—SEE RELAY SET  
SET; SUBSCRIBER—SEE SUBSCRIBER SET  
SET; TELEPHONE—SEE TELEPHONE SET  
SET; TERMINAL—SEE TERMINAL SET  
SET; TEST—SEE TEST SET

SET; 108-TYPE LOUDSPEAKER—SEE 108-TYPE LOUDSPEAKER SET  
SET; 142A TEST—SEE 142A TEST SET  
SET, 2626A1; TELEPHONE—SEE TELEPHONE SET, 2626A1  
SETS (832- OR 2832-TYPE); TELEPHONE—SEE TELEPHONE SETS (832- OR 2832-TYPE)  
SETS AND APPARATUS FOR SPECIAL APPLICATIONS; STATION—SEE STATION SETS AND APPARATUS FOR SPECIAL APPLICATIONS  
SETS AND ASSOCIATED STATION APPARATUS; TELEPHONE—SEE TELEPHONE SETS AND ASSOCIATED STATION APPARATUS  
SETS AND BASES (LESS HOUSINGS); TELEPHONE—SEE TELEPHONE SETS AND BASES (LESS HOUSINGS)  
SETS; STATION—SEE STATION SETS  
SETS; TELEPHONE—SEE TELEPHONE SETS  
SHEATH-MOUNTED

## Wire Terminals

Drop and Block Wiring  
General Precautions

SB460-300-145

## SHELF

## Coin Telephone

*Identification*

KS-19267

CB508-251-100

KS-19945 (Small Talk)

CB508-253-100

*Installation*

KS-19267

CB508-251-100

KS-19945 (Small Talk)

CB508-253-100

*Maintenance*

KS-19945 (Small Talk)

CB508-253-100

## Indoor

*Identification*

19-Type

508-250-100

20-Type

508-250-100

SHELF; BOOTH AND—SEE BOOTH AND SHELF

SHELF; DIRECTORY—SEE DIRECTORY SHELF

SIGN BRACKET

*General*

170-Type

080-720-137

SIGN; PHONE—SEE PHONE SIGN

SIGNAL SUPPRESSION; RADIO—SEE RADIO

SIGNAL SUPPRESSION

SIGNALING SYSTEM; SELECTIVE—SEE

SELECTIVE SIGNALING SYSTEM

SIGNALS; AUXILIARY—SEE AUXILIARY

SIGNALS

SLEEVE; STATIONARY—SEE STATIONARY

SLEEVE

SLIDE WIRE; APPARATUS—SEE APPARATUS

SLIDE WIRE

SOCKET; LAMP—SEE LAMP SOCKET

SOLDERED CONNECTIONS

*Method of Making and Removing*

Using Soldering Coppers

069-140-811

SOLDERING COPPER

*Handling and Maintenance*

KS-14582L1

075-190-811

KS-14582L2

075-190-811

KS-14768 (Heat Units)

075-190-811

*Piece-Part Data and Replacement**Procedures*

KS-14440

075-191-812

**SECTION 460-000-006**

**SOLDERING COPPER (Cont)**

*Piece-Part Data and Replacement (Cont)*

KS-14582 075-191-812  
KS-8740 075-191-812

**SOLDERING COPPER AND IRONS;  
ELECTRIC—SEE ELECTRIC SOLDERING COPPER  
AND IRONS**

**SOLDERING IRON**

*Piece-Part Data and Replacement  
Procedures*

KS-16346 (Including KS-16368  
Transformer) 075-191-812

**SOLDERING IRON—SEE SOLDERING COPPER  
SOLDERLESS CONNECTIONS**

*Inspection* 069-135-501

**SOLDERLESS CONNECTIONS; WRAPPED—SEE  
WRAPPED SOLDERLESS CONNECTIONS**

**SOLID STATE; CONVERTER—SEE CONVERTER  
SOLID STATE**

**SPACE; CLIMBING—SEE CLIMBING SPACE**

**SPAN CLAMP; E—SEE E SPAN CLAMP**

**SPAN CLAMP; F—SEE F SPAN CLAMP**

**SPEAKERPHONE SYSTEM**

**1A**

*Connections* 512-610-400

*Identification*

KS-14964 Control Unit 512-610-100  
KS-14990 Amplifiers 512-610-100  
656A Transmitter 512-610-100

**1A1**

*Connections* 512-610-400

*Identification*

KS-14964 Control Unit 512-610-100  
KS-14990 Amplifiers 512-610-100  
656A Transmitter 512-610-100

**3-Type**

*Connections*

55A(MD) Control Unit SD512-620-100  
55B Control Unit SD512-620-100  
55D Control Unit SD512-620-100  
666A(MD) Transmitter SD512-620-100  
666B Transmitter SD512-620-100  
667A(MD) Transmitter SD512-620-100  
667B Transmitter SD512-620-100  
670A Transmitter SD512-620-100  
671A Transmitter SD512-620-100  
672A Transmitter SD512-620-100  
673A Transmitter SD512-620-100  
674A Transmitter SD512-620-100  
674B Transmitter SD512-620-100  
679 Transmitter SD512-620-100  
760A Loudspeaker SD512-620-100  
762A Loudspeaker SD512-620-100  
Conference Systems 512-620-406  
1500S  
Telephone Set SD512-620-410  
1511-Type  
Telephone Set SD512-620-415  
1558-Type  
Telephone Set SD512-620-418  
1565-Type  
Telephone Set SD512-620-420  
1630-Type  
Telephone Set SD512-620-440  
1631-Type  
Telephone Set SD512-620-440

**SPEAKERPHONE SYSTEM (Cont)**

**3-Type (Cont)**

*Connections (Cont)*

1632-Type  
Telephone Set SD512-620-442  
1634-Type  
Telephone Set 512-620-444  
1635-Type  
Telephone Set 512-620-444  
1660-Type  
Telephone Set 512-621-460  
1662-Type  
Telephone Set 512-621-462  
1702B  
Telephone Set SD512-620-471  
1712B 512-620-474  
1752-Type  
Telephone Set SD512-620-480  
211-Type  
Hand Telephone Set 512-620-407  
2211P  
Hand Telephone Set 512-620-407  
2500S  
Telephone Set SD512-620-410  
2511-Type  
Telephone Set SD512-620-415  
2558-Type  
Telephone Set SD512-620-418  
2565-Type  
Telephone Set SD512-620-420  
2568HAA  
Telephone Set 512-620-430  
2630-Type  
Telephone Set SD512-620-440  
2631-Type  
Telephone Set SD512-620-440  
2632-Type  
Telephone Set SD512-620-442  
2634-Type  
Telephone Set 512-620-444  
2635-Type  
Telephone Set 512-620-444  
2660-Type  
Telephone Set 512-622-460  
2662-Type  
Telephone Set 512-622-462  
2682AA  
Telephone Set 512-620-450  
2683AA  
Telephone Set 512-620-450  
2702-Type  
Telephone Set SD512-620-471  
2712B, BM 512-620-474  
2752-Type  
Telephone Set SD512-620-480  
2830-Type  
Telephone Set 512-620-485  
2831-Type  
Telephone Set 512-620-485  
2832-Type  
Telephone Set SD512-620-487  
2833-Type  
Telephone Set SD512-620-487  
2851-Type  
Telephone Set SD512-620-495

**SPEAKERPHONE SYSTEM (Cont)**

## 3-Type (Cont)

*Connections (Cont)*

500R/S	
Telephone Set	SD512-620-410
511-Type	
Telephone Set	SD512-620-415
558-Type	
Telephone Set	SD512-620-418
565-Type	
Telephone Set	SD512-620-420
566-Type	
Telephone Set	512-620-426
568HAA	
Telephone Set	512-620-430
630-Type	
Telephone Set	SD512-620-440
631-Type	
Telephone Set	SD512-620-440
632-Type	
Telephone Set	SD512-620-442
634-Type	
Telephone Set	512-620-444
635-Type	
Telephone Set	512-620-444
660A1	
Telephone Set	SD512-620-460
661-Type	
Telephone Set	512-620-461
662-Type	
Telephone Set	SD512-620-462
682AA	
Telephone Set	512-620-450
683AA	
Telephone Set	512-620-450
701B	
Telephone Set	SD512-620-471
702B	
Telephone Set	SD512-620-471
711B	512-620-474
712B, BM	512-620-474
752-Type	
Telephone Set	SD512-620-480
830-Type	
Telephone Set	512-620-485
831-Type	
Telephone Set	512-620-485
832-Type	
Telephone Set	SD512-620-487
833-Type	
Telephone Set	SD512-620-487
851-Type	
Telephone Set	SD512-620-495

*Identification*

55A(MD) Control Unit	SD512-620-100
55B Control Unit	SD512-620-100
55D Control Unit	SD512-620-100
666A(MD) Transmitter	SD512-620-100
666B Transmitter	SD512-620-100
667A(MD) Transmitter	SD512-620-100
667B Transmitter	SD512-620-100
670A Transmitter	SD512-620-100
671A Transmitter	SD512-620-100
672A Transmitter	SD512-620-100
673A Transmitter	SD512-620-100
674A Transmitter	SD512-620-100

**SPEAKERPHONE SYSTEM (Cont)**

## 3-Type (Cont)

*Identification (Cont)*

674B Transmitter	SD512-620-100
679 Transmitter	SD512-620-100
760A Loudspeaker	SD512-620-100
762A Loudspeaker	SD512-620-100
Conference Systems	512-620-406

*Installation*

55A(MD) Control Unit	SD512-620-100
55B Control Unit	SD512-620-100
55D Control Unit	SD512-620-100
666A(MD) Transmitter	SD512-620-100
666B Transmitter	SD512-620-100
667A(MD) Transmitter	SD512-620-100
667B Transmitter	SD512-620-100
670A Transmitter	SD512-620-100
671A Transmitter	SD512-620-100
672A Transmitter	SD512-620-100
673A Transmitter	SD512-620-100
674A Transmitter	SD512-620-100
674B Transmitter	SD512-620-100
679 Transmitter	SD512-620-100
760A Loudspeaker	SD512-620-100
762A Loudspeaker	SD512-620-100
Conference Systems	512-620-406

*Maintenance*

55A(MD) Control Unit	SD512-620-100
55B Control Unit	SD512-620-100
55D Control Unit	SD512-620-100
666A(MD) Transmitter	SD512-620-100
666B Transmitter	SD512-620-100
667A(MD) Transmitter	SD512-620-100
667B Transmitter	SD512-620-100
670A Transmitter	SD512-620-100
671A Transmitter	SD512-620-100
672A Transmitter	SD512-620-100
673A Transmitter	SD512-620-100
674A Transmitter	SD512-620-100
674B Transmitter	SD512-620-100
679 Transmitter	SD512-620-100
760A Loudspeaker	SD512-620-100
762A Loudspeaker	SD512-620-100
Conference Systems	512-620-406

*1500S*

Telephone Set	SD512-620-410
1511-Type	
Telephone Set	SD512-620-415
1558-Type	
Telephone Set	SD512-620-418
1565-Type	
Telephone Set	SD512-620-420
1632-Type	
Telephone Set	SD512-620-442
1634-Type	
Telephone Set	512-620-444
1635-Type	
Telephone Set	512-620-444
1660-Type	
Telephone Set	512-621-460
1702B	
Telephone Set	SD512-620-471
1712B	512-620-474
1752-Type	
Telephone Set	SD512-620-480

**SECTION 460-000-006**

**SPEAKERPHONE SYSTEM (Cont)**

3-Type (Cont)

*Maintenance (Cont)*

211-Type		
Hand Telephone Set	512-620-407	
2211P		
Hand Telephone Set	512-620-407	
2500S		
Telephone Set	SD512-620-410	
2511-Type		
Telephone Set	SD512-620-415	
2558-Type		
Telephone Set	SD512-620-418	
2565-Type		
Telephone Set	SD512-620-420	
2632-Type		
Telephone Set	SD512-620-442	
2634-Type		
Telephone Set	512-620-444	
2635-Type		
Telephone Set	512-620-444	
2660-Type		
Telephone Set	512-622-460	
2702-Type		
Telephone Set	SD512-620-471	
2712B, BM	512-620-474	
2752-Type		
Telephone Set	SD512-620-480	
2851-Type		
Telephone Set	SD512-620-495	
500R/S		
Telephone Set	SD512-620-410	
511-Type		
Telephone Set	SD512-620-415	
558-Type		
Telephone Set	SD512-620-418	
565-Type		
Telephone Set	SD512-620-420	
566-Type		
Telephone Set	512-620-426	
632-Type		
Telephone Set	SD512-620-442	
634-Type		
Telephone Set	512-620-444	
635-Type		
Telephone Set	512-620-444	
660A1		
Telephone Set	SD512-620-460	
701B		
Telephone Set	SD512-620-471	
702B		
Telephone Set	SD512-620-471	
711B	512-620-474	
712B, BM	512-620-474	
752-Type		
Telephone Set	SD512-620-480	
851-Type		
Telephone Set	SD512-620-495	

3A

*Connections*

CALL DIRECTOR® Set	512-620-403	
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4A

*Connections*

211PR		
Telephone Set	SD512-710-400	

**SPEAKERPHONE SYSTEM (Cont)**

4A (Cont)

*Connections (Cont)*

2211P		
Telephone Set		SD512-710-400
2500S, SM		
Telephone Set		SD512-710-405
2511-Type		
Telephone Set		SD512-710-410
2558-Type		
Telephone Set		SD512-710-412
2565-Type Plug-Ended		
Telephone Set		SD512-720-405
2630-Type		
CALL DIRECTOR® Telephone		SD512-730-400
Telephone Set		SD512-730-400
2631-Type		
CALL DIRECTOR® Telephone		SD512-730-400
Telephone Set		SD512-730-400
2632-Type		
CALL DIRECTOR® Telephone		SD512-730-400
Telephone Set		SD512-730-400
2634-Type		
CALL DIRECTOR® Telephone		SD512-730-400
Telephone Set		SD512-730-400
2660A1, A1M		
Telephone Set		SD512-730-450
2662-Type		
Telephone Set		SD512-730-455
2682AA, AAM		
Telephone Set		SD512-730-460
2683AA, AAM		
Telephone Set		SD512-730-460
2702B		
Telephone Set		SD512-740-405
2712B		
Telephone Set		SD512-740-410
2712BM		
Telephone Set		SD512-740-410
2830-Type		
Telephone Set		SD512-740-470
2831-Type		
Telephone Set		SD512-740-470
2832-Type		
Telephone Set		SD512-740-471
2833-Type		
Telephone Set		SD512-740-471
2851-Type		
Telephone Set		SD512-740-480
2852-Type		
Telephone Set		SD512-740-481
500S, SM		
Telephone Set		SD512-710-405
511-Type		
Telephone Set		SD512-710-410
558-Type		
Telephone Set		SD512-710-412
565-Type Plug-Ended		
Telephone Set		SD512-720-405
566MD, MDM		
Telephone Set		SD512-720-406
630-Type		
CALL DIRECTOR® Telephone		SD512-730-400
Telephone Set		SD512-730-400
631-Type		
CALL DIRECTOR® Telephone		SD512-730-400

**SPEAKERPHONE SYSTEM (Cont)**

4A (Cont)

*Connections (Cont)*

Telephone Set	SD512-730-400
632-Type	
CALL DIRECTOR® Telephone	SD512-730-400
Telephone Set	SD512-730-400
634-Type	
CALL DIRECTOR® Telephone	SD512-730-400
Telephone Set	SD512-730-400
635-Type	
CALL DIRECTOR® Telephone	SD512-730-400
Telephone Set	SD512-730-400
660A1	
Telephone Set	SD512-730-450
662-Type	
Telephone Set	SD512-730-455
682AA, AAM	
Telephone Set	SD512-730-460
683AA, AAM	
Telephone Set	SD512-730-460
702B	
Telephone Set	SD512-740-405
711B	
Telephone Set	SD512-740-410
712B	
Telephone Set	SD512-740-410
712BM	
Telephone Set	SD512-740-410
830-Type	
Telephone Set	SD512-740-470
831-Type	
Telephone Set	SD512-740-470
832-Type	
Telephone Set	SD512-740-471
833-Type	
Telephone Set	SD512-740-471
851-Type	
Telephone Set	SD512-740-480
852-Type	
Telephone Set	SD512-740-481
<i>Identification</i>	
108-Type Loudspeaker Set	SD512-700-100
223-Type Adapter	SD512-700-100
680-Type Transmitter	SD512-700-100
82-Type Connecting Block	SD512-700-100
85B1 Power Unit	SD512-700-100
<i>Installation</i>	
108-Type Loudspeaker Set	SD512-700-100
223-Type Adapter	SD512-700-100
680-Type Transmitter	SD512-700-100
82-Type Connecting Block	SD512-700-100
85B1 Power Unit	SD512-700-100
<i>Maintenance</i>	
108-Type Loudspeaker Set	SD512-700-100
223-Type Adapter	SD512-700-100
680-Type Transmitter	SD512-700-100
82-Type Connecting Block	SD512-700-100
85B1 Power Unit	SD512-700-100
<i>Operation</i>	
108-Type Loudspeaker Set	SD512-700-100
223-Type Adapter	SD512-700-100
680-Type Transmitter	SD512-700-100
82-Type Connecting Block	SD512-700-100
85B1 Power Unit	SD512-700-100
	SB460-110-100

**SPECIAL SAFEGUARDING MEASURES (SSM)**

**SPECIAL SERVICE LINES**

*Protection*

*Termination*

DC Telegraph and Radio Program

Loops

460-110-101

SB460-110-100

**SPECIAL SERVICE PROTECTION (SSP)**

**SPLIT GATE FINDER CIRCUIT**

(SD-5E035-01)

*Operation Tests*

3A Automatic Call Distributing System

476-313-501

**SPLIT GATE GROUP CIRCUIT**

(SD-5E050-01)

*Operation Tests*

3A Automatic Call Distributing System

476-313-501

**SPOKESMAN® TELEPHONE LOUDSPEAKER—SEE LOUDSPEAKER SET**

**STACKS USED IN LORAIN PRODUCTS**

**CORPORATION; RECTIFIER—SEE RECTIFIER**

**STACKS USED IN LORAIN PRODUCTS**

**CORPORATION**

**STAND**

*Identification*

Floor Per ED-69462-50, Group 1

KA463-140-100

Floor Per ED-91296-70

KA463-140-100

Metal Per ED-95023-70

KA463-140-100

**STANDARD WARNING DEVICES**

*Description*

Outside Plant Guarding Work Areas

620-135-010

*Description and Use*

Outside Plant Guarding Work Areas

620-135-100

**STAPLER**

*General*

D

080-110-101

E

080-110-104

Heller Model TMN

080-110-102

Markwell L3T

080-110-103

**STAPLES**

*General*

080-720-109

**STATION ACCESS CIRCUIT (SD-66885-01)**

*Operation Tests*

Common Group TOUCH-TONE®

Calling Equipment with Crossbar

Link Access Private Branch

Exchange

540-702-502

**STATION APPARATUS**

*Assembly*

700-Type

Modular

512-270-200

*Identification*

700-Type

Modular

512-270-100

*Installation*

700-Type

Modular

512-270-200

*Maintenance*

700-Type

Modular

512-270-300

**STATION CONTROLLED DIAL CONFERENCE**

**TRUNK CIRCUIT**

*Operation Tests*

756A Private Branch Exchange

551-177-501

**SECTION 460-000-006**

**STATION DIAL TRANSFER CONTROLLER  
CIRCUIT (SD-66909-01) AND TRANSFER  
TRUNKS (SD-66921-01)**

*Operation Tests*

756A Private Branch Exchange 551-175-501  
757A Private Branch Exchange 551-279-501

**STATION DIAL TRANSFER TRUNK CIRCUIT**

*Connections*

*Identification*

*Installation*

756A Private Branch Exchange 551-131-210

**STATION DIRECT STATION SELECTION  
CIRCUIT (SD-66856-01)**

*Operation Tests*

701A Private Branch Exchange 540-113-501  
701B Private Branch Exchange 540-113-501  
711A Private Branch Exchange 540-113-501  
711B Private Branch Exchange 540-113-501  
740E Private Branch Exchange 540-113-501

**STATION EQUIPMENT**

*Marking Physical Location*

KA460-110-130

**STATION EQUIPMENT WITH DIRECT TRUNK  
TERMINATION; ATTENDANT AND—SEE  
ATTENDANT AND STATION EQUIPMENT WITH  
DIRECT TRUNK TERMINATION**

**STATION EQUIPMENT; ATTENDANT AND—SEE  
ATTENDANT AND STATION EQUIPMENT**

**STATION EQUIPMENT—SWITCHED LOOP;  
ATTENDANT AND—SEE ATTENDANT AND  
STATION EQUIPMENT—SWITCHED LOOP**

**STATION LINE CIRCUIT 4-WIRE  
(SD-67053-01)**

*Permanent Signal Feature Test*

758C Private Branch Exchange 551-533-500

**STATION LINE CIRCUIT 4-WIRE  
(SD-67067-01, SD-67067-02,  
SD-67087-01, SD-67095-01)**

*Operation Tests*

758C (Arranged for Wide Band  
Secure Voice Operation) Private  
Branch Exchange 551-533-501

**STATION LINE CIRCUITS**

*Operation Tests*

520-Type PBX Emergency  
Reporting System 473-218-660

**STATION LINE CONCENTRATOR**

Key Telephone Unit

*Connections*

*Identification*

235-Type KB518-310-405  
236-Type KB518-310-405

**STATION MESSAGE DETAIL RECORDING**

DIMENSION® PBX Private Branch  
Exchange 554-010-122

**STATION MESSAGE REGISTER PULSE AND  
SURCHARGE CIRCUIT (SD-5E021-01)**

*Connections*

756A Private Branch Exchange 551-139-210

*Identification*

756A Private Branch Exchange 551-139-210

*Installation*

756A Private Branch Exchange 551-139-210

*Operation Tests*

756A Private Branch Exchange 551-180-501

**STATION MESSAGE REGISTER PULSE CIRCUIT  
(SD-66915-01)**

*Operation Tests*

701B Private Branch Exchange 540-110-501  
701PK Private Branch Exchange 540-110-501  
711B Private Branch Exchange 540-110-501  
711PK Private Branch Exchange 540-110-501  
740E Private Branch Exchange 540-110-501  
757A Private Branch Exchange 551-252-501

**STATION MESSAGE REGISTER SURCHARGE  
CIRCUIT (SD-66922-01)**

*Operation Tests*

701B Private Branch Exchange 540-110-501  
701PK Private Branch Exchange 540-110-501  
711B Private Branch Exchange 540-110-501  
711PK Private Branch Exchange 540-110-501  
740E Private Branch Exchange 540-110-501

**STATION NUMBER CARD**

*General*

Numbering Machines-Homs Model  
187S 080-118-101

**STATION NUMBER CARDS AND HOLDERS**

501-150-100

**STATION PROTECTION AND GROUNDS**

*Wiring*

*Identification*

SB460-100-400

*Installation*

SB460-100-400

*Selection*

SB460-100-400

**STATION RESTRICTION CIRCUIT  
(SD-5E012-01)**

*Connection*

*Installation*

*Operation Tests*

701A Private Branch Exchange 542-108-100  
701B Private Branch Exchange 542-108-100

**STATION RESTRICTION CIRCUIT  
(SD-5E015-01)**

*Operation Tests*

757A Private Branch Exchange 551-280-501

**STATION RESTRICTION CONTROL CIRCUIT  
(SD-5E034-01)**

*Connection*

701A Private Branch Exchange 542-108-100  
701B Private Branch Exchange 542-108-100

*Installation*

701A Private Branch Exchange 542-108-100  
701B Private Branch Exchange 542-108-100

*Operation Tests*

701A Private Branch Exchange 542-108-100  
701B Private Branch Exchange 542-108-100  
757A Private Branch Exchange 551-280-501

**STATION RINGING APPARATUS**

*Limitations*

SA500-114-100

*Selection*

SA500-114-100

**STATION SELECTION BY STATIONS;**

**DIRECT—SEE DIRECT STATION SELECTION BY  
STATIONS**

**STATION SELECTION CIRCUIT; DIRECT—SEE  
DIRECT STATION SELECTION CIRCUIT  
STATION SELECTION; DIRECT—SEE DIRECT  
STATION SELECTION**

**STATION SET CABLE EQUALIZER**

*Description*

Initial Service (Phase 0)  
PICTUREPHONE® Service (Baseband  
Video Transmission) 518-800-101



**STATION SET; TELEPHONE—SEE TELEPHONE****STATION SET****STATION SETS**

Battery Supply Filter 510-100-180

Common Battery

*Reference*

Selecting Outdoor Locations SA502-120-202

Local Battery

*Selection for General Use* 510-100-100**STATION SETS AND APPARATUS FOR SPECIAL APPLICATIONS***Selection* 500-124-180**STATION SIGNALING; VOICE—SEE VOICE****STATION SIGNALING****STATION TRANSFORMER***Identification*

KS-16886L2 SA501-136-100

KS-16940L1 SA501-136-100

KS-20426L3 SA501-136-100

KS-5714 SA501-136-100

2012A SA501-136-100

2012B SA501-136-100

2075A SA501-136-100

2186A SA501-136-100

393B SA501-136-100

**STATION UNIT; MODULAR—SEE MODULAR****STATION UNIT****STATION WIRE AND ASSOCIATED APPARATUS***Identification**Installation*

B Station Wire SB461-200-206

**STATION WIRE AND CABLE***Attaching and Fastening* SB461-200-210**STATION WIRE CLAMP***General*

B 080-720-148

**STATION WIRE NAIL***General*

B 080-720-107

**STATION WIRE; B—SEE B STATION WIRE****STATION; COIN—SEE COIN STATION****STATIONARY SLEEVE***Piece-Part Data and Replacement**Procedures*

075-120-801

*Requirements and Adjusting**Procedures*

075-120-701

**STATUS INDICATOR; LINE—SEE LINE STATUS****INDICATOR****STC (USING KS-20721 STATION COUPLER)***Connections**Identification**Installation**Maintenance**Operation*

Voice Connecting Arrangement IA463-340-103

**STEP; POLE—SEE POLE STEP****STP (USING 120-TYPE IU)***Identification**Installation**Maintenance**Operation*Interconnecting Unit Protective  
Connecting Arrangement IA463-341-101**STRAND-MOUNTED**

## Wire Terminals

## Drop and Block Wiring

## General Precautions

SB460-300-145

**STRAP; SAFETY—SEE SAFETY STRAP****STRAPS***Method of Placing*

069-133-801

**STRIPPER; BRAID—SEE BRAID STRIPPER****STRIPPER; CABLE—SEE CABLE STRIPPER****STRIPS AND CARDS; DESIGNATION —SEE****DESIGNATION STRIPS AND CARDS;****STRIPS; DESIGNATION—SEE DESIGNATION****STRIPS****STS (USING KS-20721 STATION COUPLER)***Connections**Identification**Installation**Maintenance**Operation*

## Protective Connecting

## Arrangement

IA463-340-102

**STUD DRIVER; B—SEE B STUD DRIVER****STUD-TYPE SWITCH***Procedures for Cleaning and**Treatment*

069-321-801

**SUB-CYCLE RINGING GENERATOR***Connections**Identification**Installation*

## KS-20392

163-321-101

**SUBSCRIBER EQUIPMENT**

## SLC-1

*Identification**Installation**Maintenance**Material**Removal*

## Outside Plant

502-204-100

**SUBSCRIBER LINE VERIFICATION***Automatic Number Announcement**Circuit*

460-300-102

**SUBSCRIBER LOOP CARRIER SYSTEM**

## U-1 Carrier

*General Description*

## Central Office Plug-In Unit

970-170-100

## Subscriber Set 700-Type

970-170-100

## U1 Carrier

*Connections**Identification**Installation**Maintenance*

## 700-Type

## Subscriber Set

502-203-100

**SUBSCRIBER SET**

## Magneto

*Connections*

510-310-401

## D-176680

510-310-402

## Ringers Only

510-310-400

## 299F

510-310-402

## 400A

## Hand Telephone Sets

510-310-403

## 400A, K

510-410-400

## 400CD

510-410-401

## Hand Telephone Sets

510-310-404

## 400K

## Hand Telephone Sets

510-310-403

**SECTION 460-000-006**

**SUBSCRIBER SET (Cont)**

Magneto (Cont)

Connections (Cont)

415CD	510-310-406
415CD	510-410-402
415E	510-310-405*
415H	510-310-406
415H	510-410-402

Maintenance

Switchhook Assembly 143A	510-310-300
Switchhook Assembly 143Y	510-310-300

Ringers Only

Selection for General Use

E1C	500-130-180
F1A	500-130-180
L2A	500-130-180
531A	500-130-180
592A	500-130-180
592B	500-130-180
592C	500-130-180
687A	500-130-180
687B	500-130-180

Subscriber Set

Connections

General	510-110-100
1690-Type	502-200-408
2690-Type	502-200-408
392L	502-210-400
531A	502-210-400
534DE	502-210-400
534DF	502-210-400
584DE	502-210-400
584DF	502-210-400
592A	502-210-400
634A	502-200-400
Used with Coin Collectors	CA506-215-400
634AT	502-200-401
634BA	502-200-400
Used with Coin Collectors	CA506-215-400
634BB	510-110-400
634BC	502-200-402
Used with Coin Collectors	CA506-215-401
634C	502-200-400
634CE	502-200-403
634CG	
Used with Coin Collectors	CA506-215-402
634CH	
Used with Coin Collectors	CA506-215-402
634CK	
Used with Coin Collectors	CA506-215-402
634CL	
Used with Coin Collectors	CA506-215-402
634Y	510-110-401
634YD	510-110-402
634YD	510-205-400
634YDT	510-110-403
634YE	510-205-401
634YT	510-110-405
684A	502-200-400
Used with Coin Collectors	CA506-215-400
684BA	502-200-400
Used with Coin Collectors	CA506-215-400
684BC	502-200-402
Used with Coin Collectors	CA506-215-401
684BT	502-210-400
684C	502-200-400

**SUBSCRIBER SET (Cont)**

Subscriber Set (Cont)

Connections (Cont)

684CK		
Used with Coin Collectors		CA506-215-402
684CL		
Used with Coin Collectors		CA506-215-402
685A		502-200-404
Used with Coin Collectors		CA506-215-403
685B		
Used with Coin Collectors		CA506-215-404
685C		502-200-405
686A		502-200-406
687A		502-210-400
687D		502-200-407
688-Type		502-200-408
689A1		502-200-410
689A2		502-200-410
689C1		502-200-410
689C2		502-200-410
689D1		502-200-410
689D2		502-200-410
689E1		502-200-410
689E2		502-200-410
690-Type		502-200-408
694-Type		502-201-100
695-Type		502-201-102
698A		
CODE-COM		502-201-105
700-Type		
U1 Carrier Subscriber Loop		
Carrier System		502-203-100
Identification		
1690-Type		502-200-102
2690-Type		502-200-102
531-Type		502-200-100
584-Type		502-200-100
592-Type		502-200-100
634-Type		502-200-100
684-Type		502-200-100
685-Type		502-200-100
686-Type		502-200-100
687-Type		502-200-100
688-Type		502-200-102
690-Type		502-200-102
691A		502-200-101
694-Type		502-201-100
695-Type		502-201-102
698A		
CODE-COM		502-201-105
700-Type		
U1 Carrier Subscriber Loop		
Carrier System		502-203-100
Installation		
L1A Ringer		
Loud Ringing Bell		502-200-200
392-Type		
Loud Ringing Bell		502-200-200
592-Type		
Loud Ringing Bell		502-200-200
700-Type		
U1 Carrier Subscriber Loop		
Carrier System		502-203-100
Installation/Test		
698A		
CODE-COM		502-201-105

<b>SUBSCRIBER SET (Cont)</b>			
Subscriber Set (Cont)			
Maintenance			
531C	502-200-300		
687B	502-200-300		
698A			
CODE-COM	502-201-105		
700-Type			
U1 Carrier Subscriber Loop			
Carrier System	502-203-100		
<b>SUPERVISOR TELEPHONE POSITION</b>			
Operation Tests			
2A Automatic Call Distributing			
System	476-227-501		
3A Automatic Call Distributing			
System	476-309-501		
<b>SUPERVISORY DEVICE LINE CIRCUIT</b>			
Operation Tests			
520-Type PBX Emergency			
Reporting System	473-218-660		
<b>SUPPLEMENTARY MODULES; BASIC AND—SEE</b>			
<b>BASIC AND SUPPLEMENTARY MODULES</b>			
<b>SUPPLY; POWER—SEE POWER SUPPLY</b>			
<b>SUPPLY; RINGING—SEE RINGING SUPPLY</b>			
<b>SUPPORT CLIP</b>			
Identification			
B	080-720-152		
<b>SUPPORT; INSULATOR—SEE INSULATOR</b>			
<b>SUPPORT</b>			
<b>SUPPORT; LADDER—SEE LADDER SUPPORT</b>			
<b>SUPPRESSION AND ANTI-SING CIRCUIT;</b>			
<b>ECHO—SEE ECHO SUPPRESSION AND ANTI-SING</b>			
<b>CIRCUIT</b>			
<b>SUT</b>			
Connections			
Identification			
Installation			
Operation			
Protective Connecting			
Arrangement	463-331-106		
<b>SU3 (USING KS-20445 CONTROL UNIT)</b>			
Connections			
Identification			
Installation			
Maintenance			
Operation			
Voice Connecting Arrangement	IA463-340-100		
<b>SU4 (USING KS-20445 CONTROL UNIT)</b>			
Connections			
Identification			
Installation			
Maintenance			
Operation			
Voice Connecting Arrangement	IA463-340-100		
<b>SU6 (USING KS-20445 CONTROL UNIT)</b>			
Connections			
Identification			
Installation			
Maintenance			
Operation			
Voice Connecting Arrangement	IA463-340-100		
<b>SU6AQ (USING KS-20721 STATION</b>			
<b>COUPLER)</b>			
Connections			
<b>SU6AQ (USING KS-20721 STATION (Cont)</b>			
Identification			
Installation			
Maintenance			
Operation			
Protective Connecting			
Arrangement	IA463-340-102		
<b>SU7 (USING KS-20445 CONTROL UNIT)</b>			
Connections			
Identification			
Installation			
Maintenance			
Operation			
Voice Connecting Arrangement	IA463-340-100		
<b>SU7QW (USING KS-20721 VOICE COUPLER)</b>			
Connections			
Identification			
Installation			
Maintenance			
Operation			
Protective Connecting			
Arrangement	IA463-340-104		
<b>SWITCH</b>			
Out Trunk			
Procedures for Cleaning and			
Treating Bank Contacts	069-502-801		
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Procedures for Cleaning and			
Treating Bank Contacts	069-502-801		
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Treating Bank Contacts	069-502-801		
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Connections			
Foot, KS-16821	463-245-100		
Identification			
Foot, KS-16821	463-245-100		
Modular			
For Telephone Sets	463-241-100		
Outdoor Cutoff KS-20235L1	463-246-100		
236E			
For Telephone Sets	463-241-100		
236F			
For Telephone Sets	463-241-100		
Installation			
Modular			
For Telephone Sets	463-241-100		
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236E			
For Telephone Sets	463-241-100		
236F			
For Telephone Sets	463-241-100		
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Replacing			
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**SECTION 460-000-006**

**SWITCH UNIT**

J1H011A

*Connections*

Attendant Direct Station  
Selection Console  
No. 101 Electronic Switching System 240-204-202

*Identification*

No. 101 Electronic Switching System 240-201-201

*Installation*

No. 101 Electronic Switching System 240-201-201

Attendant Direct Station  
Selection Console  
No. 101 Electronic Switching System 240-204-202

*Manual Tests*

No. 101 Electronic Switching System 240-226-501

*Tests and Inspections at Time of Installation*

No. 101 Electronic Switching System 240-209-201

*Tests using 124A Test Set*

*SD-1H070-01*

Attendant Circuit  
No. 101 Electronic Switching System 240-234-501

Attendant Number Translator Circuit  
No. 101 Electronic Switching System 240-233-501

Bus Clamp and Interbus Switch Circuit  
No. 101 Electronic Switching System 240-237-501

Clock Circuit  
No. 101 Electronic Switching System 240-229-501

Data Distributor Circuit  
No. 101 Electronic Switching System 240-228-501

Data Receiver Circuit  
No. 101 Electronic Switching System 240-227-501

Data Transmitter Circuit  
No. 101 Electronic Switching System 240-240-501

Line Number Translator Circuit  
No. 101 Electronic Switching System 240-232-501

Ring-Ringback Logic Circuit  
No. 101 Electronic Switching System 240-231-501

Scanner Circuit  
No. 101 Electronic Switching System 240-239-501

Switch Store Circuit  
No. 101 Electronic Switching System 240-230-501

Test Line Circuit  
No. 101 Electronic Switching System 240-236-501

**SWITCH UNIT (Cont)**

J1H011A (Cont)

*Tests using 124A Test Set (Cont)*

Tone Generators Circuit  
No. 101 Electronic Switching System 240-238-501  
Transfer and Alarms Circuit  
No. 101 Electronic Switching System 240-235-501

1A

*Connections*

Miscellaneous Equipment  
No. 101 Electronic Switching System 240-207-201

*Identification*

Miscellaneous Equipment  
No. 101 Electronic Switching System 240-207-201

*Installation*

Miscellaneous Equipment  
No. 101 Electronic Switching System 240-207-201

*Leakage Test of 443A (PNPN) Diodes*

No. 101 Electronic Switching System 240-226-502

2A

*Connections*

No. 101 Electronic Switching System 240-245-201

Direct Station Selection Console  
No. 101 Electronic Switching System 240-246-202

Miscellaneous Equipment  
No. 101 Electronic Switching System 240-248-201

*Connections from Switch Unit Frames to Locally Provided Distributing Frame*

No. 101 Electronic Switching System 240-245-203

*Description of System Operation*

No. 101 Electronic Switching System 240-101-102

*General Guide to Trouble Analysis*

No. 101 Electronic Switching System 240-250-301

*Identification*

No. 101 Electronic Switching System 240-245-201

Miscellaneous Equipment  
No. 101 Electronic Switching System 240-248-201

*Installation*

No. 101 Electronic Switching System 240-245-201

Direct Station Selection Console  
No. 101 Electronic Switching System 240-246-202

Miscellaneous Equipment  
No. 101 Electronic Switching System 240-248-201

*Manual Tests*

No. 101 Electronic Switching System 240-251-501

**SWITCH UNIT (Cont)**

## 2A (Cont)

*Operation Test*

Direct Station Selection

Console

No. 101 Electronic Switching  
System

240-252-501

*Service Options*No. 101 Electronic Switching  
System

240-245-201

*Tests and Inspections at Time of  
Installation*No. 101 Electronic Switching  
System

240-249-201

*Trouble Locating Procedure*

Attendant Circuit using 131A

Test Set

No. 101 Electronic Switching  
System

240-253-509

Bounce Test

No. 101 Electronic Switching  
System

240-253-504

Cured by Grand Slam using 131A

Test Set

No. 101 Electronic Switching  
System

240-253-501

Digit Trunk Test using 131A

Test Set

No. 101 Electronic Switching  
System

240-253-512

During 24-Hour Maintenance

using 131A Test Set

No. 101 Electronic Switching  
System

240-253-510

Failure Detected by Time

Division Control Disable Using  
131A Test SetNo. 101 Electronic Switching  
System

240-253-503

Group Translator Test

No. 101 Electronic Switching  
System

240-253-506

Immediate or Interrupted Ring  
TestNo. 101 Electronic Switching  
System

240-253-507

Intergroup Switch Test using  
131A Test SetNo. 101 Electronic Switching  
System

240-253-511

Resulting in a Scanner Switch  
using 131A Test SetNo. 101 Electronic Switching  
System

240-253-502

Transmission Test

No. 101 Electronic Switching  
System

240-253-508

*Trouble Location Procedure*

Force Off-Hook Test

No. 101 Electronic Switching  
System

240-253-505

## 200 Line

*Description of System Operation*No. 101 Electronic Switching  
System

240-101-101

**SWITCH UNIT (Cont)**

## 3A

*Connections*No. 101 Electronic Switching  
System

240-255-201

Direct Station Selection

Console

No. 101 Electronic Switching  
System

240-256-202

Miscellaneous Equipment

No. 101 Electronic Switching  
System

240-258-201

*Description of System Operation*No. 101 Electronic Switching  
System

240-101-103

*General Guide to Trouble Analysis*No. 101 Electronic Switching  
System

240-260-301

*Identification*No. 101 Electronic Switching  
System

240-255-201

Miscellaneous Equipment

No. 101 Electronic Switching  
System

240-258-201

*Installation*No. 101 Electronic Switching  
System

240-255-201

Direct Station Selection

Console

No. 101 Electronic Switching  
System

240-256-202

Miscellaneous Equipment

No. 101 Electronic Switching  
System

240-258-201

*Installation and Connection of**J1H013E Frame to an Operating  
Switch Unit*No. 101 Electronic Switching  
System

240-255-204

*Manual Tests*No. 101 Electronic Switching  
System

240-261-501

*Operation Test*

Direct Station Selection

Console

No. 101 Electronic Switching  
System

240-262-501

*Service Options*No. 101 Electronic Switching  
System

240-255-201

*Tests and Inspections at Time of  
Installation*No. 101 Electronic Switching  
System

240-259-201

*Trouble Locating Procedure*

Attendant Circuit using 131A

Test Set

No. 101 Electronic Switching  
System

240-263-509

Bounce Test

No. 101 Electronic Switching  
System

240-263-504

Cured by Grand Slam using 131A

Test Set

No. 101 Electronic Switching  
System

240-263-501

**SECTION 460-000-006**

**SWITCH UNIT (Cont)**

3A (Cont)

*Trouble Locating Procedure (Cont)*

Digit Trunk Test using 131A Test Set	
No. 101 Electronic Switching System	240-263-512
During 24-Hour Maintenance using 131A Test Set	
No. 101 Electronic Switching System	240-263-510
Force Off-Hook Test	
No. 101 Electronic Switching System	240-263-505
Group Translator Test	
No. 101 Electronic Switching System	240-263-506
Immediate or Interrupted Ring Test	
No. 101 Electronic Switching System	240-263-507
Intergroup Switch Test using 131A Test Set	
No. 101 Electronic Switching System	240-263-511
Resulting in a Scanner Switch using 131A Test Set	
No. 101 Electronic Switching System	240-263-502
Synch Test using 131A Test Set	
No. 101 Electronic Switching System	240-263-513
Transmission Test	
No. 101 Electronic Switching System	240-263-508

3A

*Connections from Switch Unit Frames to Locally Provided Distributing Frame and for 1B- and 2B-Type Attendant Consoles*

No. 101 Electronic Switching System	240-255-202
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4A

*Audit Procedures*

No. 101 Electronic Switching System	240-270-101
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*Connections*

No. 101 Electronic Switching System	240-265-201
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*Description of System Operation*

No. 101 Electronic Switching System	240-101-104
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*General Guide to Trouble Analysis*

No. 101 Electronic Switching System	240-270-301
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*Identification*

No. 101 Electronic Switching System	240-265-201
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*Installation*

No. 101 Electronic Switching System	240-265-201
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*Manual Tests*

No. 101 Electronic Switching System	240-271-501
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**SWITCH UNIT (Cont)**

4A (Cont)

*Service Options*

No. 101 Electronic Switching System	240-265-201
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*Tests and Inspections at Time of Installation*

No. 101 Electronic Switching System	240-269-201
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*Trouble Locating Procedure*

Attendant Circuit using 131A Test Set

No. 101 Electronic Switching System	240-263-509
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Bounce Test

No. 101 Electronic Switching System	240-263-504
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Cured by Grand Slam using 131A Test Set

No. 101 Electronic Switching System	240-263-501
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Digit Trunk Test using 131A Test Set

No. 101 Electronic Switching System	240-263-512
-------------------------------------	-------------

During 24-Hour Maintenance using 131A Test Set

No. 101 Electronic Switching System	240-263-510
-------------------------------------	-------------

Force Off-Hook Test

No. 101 Electronic Switching System	240-263-505
-------------------------------------	-------------

Group Translator Test

No. 101 Electronic Switching System	240-263-506
-------------------------------------	-------------

Immediate or Interrupted Ring Test

No. 101 Electronic Switching System	240-263-507
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Intergroup Switch Test using 131A Test Set

No. 101 Electronic Switching System	240-263-511
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Resulting in a Scanner Switch using 131A Test Set

No. 101 Electronic Switching System	240-263-502
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Synch Test using 131A Test Set

No. 101 Electronic Switching System	240-263-513
-------------------------------------	-------------

Transmission Test

No. 101 Electronic Switching System	240-263-508
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**SWITCH UNIT**

J1H011A

*Connections*

No. 101 Electronic Switching System	240-202-201
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**SWITCH UNIT**

J1H011A

*Connections*

Attendant Equipment

No. 101 Electronic Switching System	240-204-201
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**SWITCH; CROSSBAR—SEE CROSSBAR SWITCH  
SWITCH; ROTARY—SEE ROTARY SWITCH**

**SWITCH; STUD-TYPE—SEE STUD-TYPE****SWITCH****SWITCH; VOICE-CONTROLLED—SEE  
VOICE-CONTROLLED SWITCH****SWITCHBOARD**

## Blind Attendant Equipment

*Identification*

Nonmultiple PBX 534-413-210

*Installation*

Nonmultiple PBX 534-413-210

*Operation Test*

Nonmultiple PBX 534-413-501

## Switchboard

*Fundamental Circuit and Operating**Features*

Common Manual PBX 534-400-110

*General Inspection*

PBX 534-400-565

*Identification*

## 9A Handset Hangers

Nonmultiple PBX 534-500-207

*Installation*

## 552A, B, D, E PBX

Manual Conference Circuit  
with Voice Amplifier  
(SD-65738-01) 534-420-220

## 556A PBX

Manual Conference Circuit  
with Voice Amplifier  
(SD-65738-01) 534-420-220

## 605A PBX

Manual Conference Circuit  
with Voice Amplifier  
(SD-65738-01) 534-420-220

## 606B PBX

Manual Conference Circuit  
with Voice Amplifier  
(SD-65738-01) 534-420-220

## 607A, B PBX

Manual Conference Circuit  
with Voice Amplifier  
(SD-65738-01) 534-420-220

## 608A, B, D PBX

Manual Conference Circuit  
with Voice Amplifier  
(SD-65738-01) 534-420-220

## 9A Handset Hangers

Nonmultiple PBX 534-500-207

*Operation Tests*

## 550 PBX

Manual Conference Circuits  
With or Without Voice  
Repeater (SD-65719-01) 534-420-510

## 551 PBX

Manual Conference Circuits  
With or Without Voice  
Repeater (SD-65719-01) 534-420-510

## 552 PBX

Manual Conference Circuits  
With or Without Voice  
Repeater (SD-65719-01) 534-420-510

## 555 PBX

Manual Conference Circuits  
With or Without Voice  
Repeater (SD-65719-01) 534-420-510**SWITCHBOARD (Cont)**

## Switchboard (Cont)

*Operation Tests (Cont)*

## 556A PBX

Manual Conference Circuits  
With or Without Voice  
Repeater (SD-65719-01) 534-420-510

## 557A PBX

Manual Conference Circuits  
With or Without Voice  
Repeater (SD-65719-01) 534-420-510

## 600 PBX

Manual Conference Circuits  
With or Without Voice  
Repeater (SD-65719-01) 534-420-510

## 605 PBX

Manual Conference Circuits  
With or Without Voice  
Repeater (SD-65719-01) 534-420-510

## 607 PBX

Manual Conference Circuits  
With or Without Voice  
Repeater (SD-65719-01) 534-420-510

## 608A, D PBX

Manual Conference Circuits  
With or Without Voice  
Repeater (SD-65719-01) 534-420-510*Operation Tests Using Jack Mounting  
ED-60613-30, G3 and G4*

## 608B PBX

Attendant Loop Circuit  
(SD-65830-01) Arranged for  
Inward Dialing 538-080-512

## 608D PBX

Attendant Loop Circuit  
(SD-65830-01) Arranged for  
Inward Dialing 538-080-512*Operation Tests Using PBX Cord  
Circuit Test Set (SD-66484-01,  
J54703A)*

## 608B PBX

Cord Circuit (SD-65832-01) 538-082-524  
Position Circuit  
(SD-65833-01) 538-082-524

## 608D

Cord Circuit (SD-67035-01) 538-086-524  
Position Circuit  
(SD-67037-01) 538-086-524*Transmission and Operation Tests*

## 552A, B, D, E PBX

Manual Conference Circuit  
with Voice Amplifier  
(SD-65738-01) 534-420-520

## 556A PBX

Manual Conference Circuit  
with Voice Amplifier  
(SD-65738-01) 534-420-520

## 605A PBX

Manual Conference Circuit  
with Voice Amplifier  
(SD-65738-01) 534-420-520

## 606B PBX

Manual Conference Circuit  
with Voice Amplifier  
(SD-65738-01) 534-420-520

**SECTION 460-000-006**

**SWITCHBOARD (Cont)**

Switchboard (Cont)

*Transmission and Operation Tests (Cont)*

607A PBX

Manual Conference Circuit  
with Voice Amplifier  
(SD-65738-01) 534-420-529

608A, D PBX

Manual Conference Circuit  
with Voice Amplifier  
(SD-65738-01) 534-420-520

608A

*Connections*

756A Private Branch  
Exchange 538-081-215

757A Private Branch  
Exchange 538-081-215

800A Private Branch  
Exchange 538-081-215

*Identification*

756A Private Branch  
Exchange 538-081-215

757A Private Branch  
Exchange 538-081-215

800A Private Branch  
Exchange 538-081-215

*Installation*

756A Private Branch  
Exchange 538-081-215

757A Private Branch  
Exchange 538-081-215

800A Private Branch  
Exchange 538-081-215

608A PBX

*Operation Tests Using PBX Cord*

*Circuit Test Set (SD-66484-01,  
J54703A)*

Cord Circuit ES-65841-01  
Arranged for Customer Group  
Service No. 5 Centrex 538-080-528

Position Circuit ES-65840-01  
Arranged for Customer Group  
Service No. 5 Centrex 538-080-528

Position TOUCH-TONE Calling  
Circuit ES-65842-01  
Arranged for Customer Group  
Service No. 5 Centrex 538-080-528

608D

*Connections*

756A Private Branch  
Exchange 538-085-215

757A Private Branch  
Exchange 538-085-215

800A Private Branch  
Exchange 538-085-215

*Identification*

756A Private Branch  
Exchange 538-085-215

757A Private Branch  
Exchange 538-085-215

800A Private Branch  
Exchange 538-085-215

*Installation*

756A Private Branch  
Exchange 538-085-215

**SWITCHBOARD (Cont)**

608D (Cont)

*Installation (Cont)*

757A Private Branch  
Exchange 538-085-215

800A Private Branch  
Exchange 538-085-215

**SWITCHBOARD CIRCUITS**

*Operation Tests*

608-Type

757A Private Branch  
Exchange 551-297-501

**SWITCHBOARD CLOCK**

*Installation*

557B Private Branch  
Exchange 473-602-201

**SWITCHBOARD EQUIPMENT**

*General Cleaning*

069-379-801

**SWITCHBOARD PLUGS**

*Cleaning using the 497A or 497B  
Tool*

069-380-813

**SWITCHED DIGITAL DATA SYSTEM**

*Description*

758C Switching System 551-566-305

758C Switching System 551-568-300

*General Description*

758C Switching System 981-664-101

*Maintenance Procedures*

758C Switching System 551-560-300

*Method of Operation*

758C Switching System 551-563-305

758C Switching System 551-566-305

758C Switching System 551-568-300

*Operation Test*

758C Switching System 551-563-500

758C Switching System 551-561-500

758C Switching System 551-566-502

758C Switching System 551-564-500

758C Switching System 551-569-500

*Operational Test*

758C Switching System 551-566-500

**SWITCHES**

*Cleaning Requirements and  
Procedures*

197-Type 069-501-801

198-Type 069-501-801

*Soldering Strap Wires*

300 and Similar Type 069-141-811

**SWITCHES AND MASTER SWITCHES; LINE—SEE**

**LINE SWITCHES AND MASTER SWITCHES**

**SWITCHES; LINE—SEE LINE SWITCHES**

**SWITCHING CABINETS**

*Connections*

761A Private Branch Exchange 551-700-210

761B Private Branch Exchange 551-720-210

770A Private Branch Exchange 551-770-200

800A (Customer Package) Private  
Branch Exchange 553-100-211

800A Private Branch Exchange 553-100-210



**SWITCHING CABINETS (Cont)***Identification*

701PK Private Branch Exchange	542-015-201
756A Private Branch Exchange	551-100-210
757A Private Branch Exchange	551-200-210
761A Private Branch Exchange	551-700-210
761B Private Branch Exchange	551-720-210
800A (Customer Package) Private Branch Exchange	553-100-211
800A Private Branch Exchange	553-100-210

*Installation*

701PK Private Branch Exchange	542-015-201
756A Private Branch Exchange	551-100-210
757A Private Branch Exchange	551-200-210
761A Private Branch Exchange	551-700-210
761B Private Branch Exchange	551-720-210
770A Private Branch Exchange	551-770-200
800A (Customer Package) Private Branch Exchange	553-100-211

*Installation Tests*

800A (Customer Package) Private Branch Exchange	553-100-211
800A Private Branch Exchange	553-100-210

*Tests and Inspections at Time of  
Installation*

770A Private Branch Exchange	551-770-200
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**SWITCHING CONTROL CENTER SYSTEM**

No. 2

*Description*

Electronic Switching System Application (No. 101)	190-119-110
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*Emergency Action Procedure*

Electronic Switching System Application (No. 101)	190-119-311
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*Operation and Trouble Analysis  
Procedures*

Electronic Switching System Application (No. 101)	190-119-310
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**SWITCHING DIGITAL DATA SYSTEM***Description*

758C Switching System	551-560-100
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*Method of Operation*

758C Switching System	551-560-100
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*Operation Test*

758C Switching System	551-562-500
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758C Switching System	551-566-502
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758C Switching System	551-567-500
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**SWITCHING NETWORK AND NETWORK CONTROL  
CIRCUIT (SD-1E010-01)***Operation Tests*

800A Private Branch Exchange	553-124-501
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**SWITCHING SYSTEM***Description*

758C Private Branch Exchange	981-664-100
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300

*General Descriptive Information*

Station Systems	981-205-100
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*Method of Operation*

	480-710-301
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*Operational Sketches*

Land Line Operation	480-710-400
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Radio Line Operation	480-710-401
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**SWITCHING SYSTEM (Cont)**

300 (Cont)

*Overall Tests Using J53026BN**Portable Test Box or J53026EW**Portable Test Set with Dial Pulse**Counter*

480-710-501

*Position Equipment Identification*

480-710-100

*Sequence Charts*

## Land Line Operation

480-710-400

## Radio Line Operation

480-710-401

301

*General Description*

981-204-100

*Method of Operation*

480-709-301

301A

*General Description*

981-204-105

*Line-Up and Overall Tests*

480-708-501

*Method of Operation*

480-708-301

302

*General Description*

981-204-106

*Inspections*

480-707-501

*Line-up*

480-707-501

*Method of Operation*

480-707-301

*Tests*

480-707-501

304

*General Description*

981-206-100

*Overall Tests*

480-711-500

305

*General Description*

981-207-100

## For BUIC Phase-III Operation

981-207-101

## Training and Simulation

981-207-102

306

*Connections*

## Residence Station Apparatus

## Command Post Alerting

## Network (COPAN)

480-713-100

*Description*

## AUTOVON Access Line Sharing

## Circuit

480-713-501

*General Description*

981-208-100

*Identification*

## Residence Station Apparatus

## Command Post Alerting

## Network (COPAN)

480-713-100

*Installation*

## Residence Station Apparatus

## Command Post Alerting

## Network (COPAN)

480-713-100

*Line-Up and Overall Tests*

480-713-500

*Lineup*

## AUTOVON Access Line Sharing

## Circuit

480-713-501

*Method of Operation*

## Console

480-713-301

## Turret

480-713-301

*Testing*

## AUTOVON Access Line Sharing

## Circuit

480-713-501

307

*Description*

## Telephone Set, 2626A1

480-714-105

## Alarm Circuit Unit

480-714-106

## Dual Access Switch

## J53037C

480-714-104

## Line Circuit Transfer Unit

## J53037B

480-714-102

## J53037F

480-714-102

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**SWITCHING SYSTEM (Cont)**

307 (Cont)

*Description (Cont)*

J53037L	480-714-102
Sequence Circuit Unit	
J53037D	480-714-103*
4-Wire CO Line Circuit Unit	480-714-101
<i>General Description</i>	981-209-100
<i>Installation</i>	480-714-200
<i>Maintenance Tests</i>	
Key Telephone Set, 2626A1	480-714-305
Alarm Circuit	480-714-306
Dual Access Switch	
J53037C	480-714-304
Line Transfer Circuit Unit	
J53037B	480-714-302
J53037F	480-714-302
J53037L	480-714-302
Sequence Circuit	
J53037D	480-714-303
4-Wire CO Line Circuit Unit	480-714-301
<i>Out-of-Service Test Procedures</i>	
High-Speed Send/Receive Station	480-714-501
<i>Station Test Procedures</i>	480-714-500

309

*Connections*

Four-Wire Central Office Line, J53041A	480-716-200
Line Pickup, J53041B and Common Audible Unit	480-716-200
Transfer and Auxiliary Transfer, J53041C	480-716-200

*General Description*

Autovon	981-210-100
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*Identification*

Four-Wire Central Office Line, J53041A	480-716-200
Line Pickup, J53041B and Common Audible Unit	480-716-200
Transfer and Auxiliary Transfer, J53041C	480-716-200

*In-Service Operational Tests*

	480-716-501
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*Installation*

Four-Wire Central Office Line, J53041A	480-716-200
Line Pickup, J53041B and Common Audible Unit	480-716-200
Transfer and Auxiliary Transfer, J53041C	480-716-200

*Tests and Inspections During Installation*

Four-Wire Central Office Line, J53041A	480-716-200
Line Pickup, J53041B and Common Audible Unit	480-716-200
Transfer and Auxiliary Transfer, J53041C	480-716-200

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<i>General Description</i>	981-211-100
<i>Line-Up and Overall Tests</i>	480-717-500
<i>Method of Operation</i>	480-717-300

400

<i>General Description</i>	981-224-100
<i>Identification</i>	518-710-100
<i>Installation</i>	518-710-200

**SWITCHING SYSTEM (Cont)**

400 (Cont)

*Method of Connecting*

Cabinet Assemblies J53035A, L1, L2	518-710-400
Cabinet Assemblies J53035A, L10, L11	518-710-402
Cabinet Assemblies J53035A, L3, L4, L8, L9	518-710-401
<i>Operating Methods</i>	
Call Progress Indicator Set	518-710-506
<i>Operation Tests</i>	
Alarm Circuit	518-710-500
Busy-Tone Trunk	518-710-505
Dial Pulse Register Circuits	518-710-504
Juncture Circuits	518-710-503
Key Telephone Line and Add-On Circuit	518-710-501
Line, Link, and Marker Circuits	518-710-502
TONE-TOUCH® Calling	518-710-507

758A/B

*Circuit Test*

Dial Pulse Register Circuit	551-470-504
Marker Circuit (SD-65912-01)	551-470-502

*Method of Operation*

Console Circuit (SD-65925-01)	551-470-300
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*Operation Test*

Busy-Tone Trunk (SD-65919-01)	551-470-506
Dial or Manual Line Circuit (SD-67114-01)	551-470-501
Flutter-Flash Lamp Signal Supply Circuit (SD-67076-01)	551-470-505
Interrupter Circuit (SD-65923-01)	551-470-507
Link and Selectmagnet Connector Circuit (SD-65913-01)	551-470-503
Traffic and Trouble Registers	551-470-508

*Operation Tests*

Alarms	551-470-500
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758C

*Description*

BIT Performance Monitor	551-560-100
Billing Information Transmitter (BIT)	551-560-100
Decoder Marker Test Circuit (SD-67118-01)	551-566-305
Load Detection Circuit	551-560-100
Switched Digital Data System	551-566-305
Switching Digital Data System	551-560-100
Call Progress Circuit	551-568-300
Switched Digital Data System	551-568-300
Trouble Recorder Interface Circuit	551-568-300
Trouble Recording Arrangement	551-568-300
<i>General Description</i>	
Switched Digital Data System	981-664-101
<i>Maintenance Procedures</i>	
Billing Information Transmitter (BIT)	551-560-300

**SWITCHING SYSTEM (Cont)**

758C (Cont)

*Maintenance Procedures (Cont)*

BIT Performance Monitor 551-560-300  
 Load Detection Circuit 551-560-300  
 Switched Digital Data System 551-560-300

*Method of Operation*

BIT Performance Monitor 551-560-100  
 Brlling Information Transmitter (BIT) 551-560-100  
 Digital Register-Sender Interface Unit 551-563-305  
 Load Detection Circuit 551-560-100  
 Switched Digital Data System 551-563-305  
 Switching Digital Data System 551-560-100

Decoder Marker Test Circuit (SD-67118-01) 551-566-305  
 Switched Digital Data System 551-566-305

Call Progress Circuit 551-568-300  
 Switched Digital Data System 551-568-300  
 Trouble Recorder Interface Circuit 551-568-300  
 Trouble Recording Arrangement 551-568-300

*Operating Test*

Alarms 551-510-500

*Operation Test*

Digital Register-Sender 551-563-500  
 Digital Trunk Circuit (SD-73096-01) 551-562-500  
 Switched Digital Data System 551-563-500  
 Switching Digital Data System 551-562-500

Decoder-Marker Connector Circuit 551-566-502  
 Switching Digital Data System 551-566-502

Link and Connector Circuit 551-567-500  
 Switching Digital Data System 551-567-500

Dial Tone Speed Measuring Circuit (SD-73103-01) 551-561-500  
 Digital Line Circuit (SD-73095-01) 551-561-500  
 Digital Test Line Circuit (SD-73099-01) 551-561-500  
 Switched Digital Data System 551-561-500

Decoder-Marker Connector Circuit (SD-67106-01) 551-566-502  
 Switched Digital Data System 551-566-502

**SWITCHING SYSTEM (Cont)**

758C (Cont)

*Operation Tests*

Plant and Traffic Register Circuit (SD-67059-01) 551-564-500  
 Switched Digital Data System 551-564-500

Alarms 551-569-500  
 Switched Digital Data System 551-569-500

Switched Digital Data System 551-566-500  
 Test Circuit (SD-67118-01) 551-566-500

**SWITCHING SYSTEM APPLICATION (NO. 101); ELECTRONIC—SEE ELECTRONIC SWITCHING SYSTEM APPLICATION (NO. 101)**

**SWITCHING SYSTEM 2015; CUSTOMER—SEE CUSTOMER SWITCHING SYSTEM 2015**

**SWITCHING SYSTEM; ELECTRONIC—SEE ELECTRONIC SWITCHING SYSTEM**

**SWITCHING SYSTEM; SELECTIVE—SEE SELECTIVE SWITCHING SYSTEM**

**SYSTEM; ALERTING—SEE ALERTING SYSTEM**

**SYSTEM; COMMUNICATION—SEE COMMUNICATION SYSTEM**

**SYSTEM; INTERCOMMUNICATING—SEE INTERCOMMUNICATING SYSTEM**

**SYSTEM; INTERPHONE—SEE INTERPHONE SYSTEM**

**SYSTEM; SPEAKERPHONE—SEE SPEAKERPHONE SYSTEM**

**SYSTEM; SWITCHING—SEE SWITCHING SYSTEM**

**SYSTEMS; ANNOUNCEMENT—SEE ANNOUNCEMENT SYSTEMS**

**TABLE; DIRECTORY—SEE DIRECTORY TABLE**

**TABLES; DESKS AND—SEE DESKS AND TABLES**

**TAS***Connections**Identification**Installation**Maintenance**Operation*

Protective Connecting Arrangement 463-350-110

**TELEGRAPH AND RADIO PROGRAM LOOPS; DC—SEE DC TELEGRAPH AND RADIO PROGRAM LOOPS**

**TELEPHONE ANSWERING SERVICE***Connections**Identification**Installation*

557B Privaté Branch Exchange 473-602-201

**TELEPHONE ANSWERING SET**

## Base Heater

*Identification**Installation**Maintenance*

KS-14782 514-114-100

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**TELEPHONE ANSWERING SET (Cont)**

Inverter		
<i>Identification</i>		
<i>Maintenance</i>		
KS-15662, DC-AC	514-112-100	
Peatrophone		
<i>Connections</i>		
KS-14580	514-140-400	
<i>Description</i>		
KS-14580	514-140-100	
<i>Installation</i>		
KS-14580	514-140-100	
<i>Maintenance for Serial No. 101 to 501 Inclusive</i>		
KS-14580	514-140-300	
<i>Maintenance for Serial No. 502 and Higher</i>		
KS-14580	514-140-301	
Telephone Answering Set		
<i>Assembly of Parts</i>		
1B	514-120-100	
1BA	514-120-100	
2A	514-124-100	
<i>Connections</i>		
KS-16378	514-145-400	
KS-16923L1	514-150-200	
KS-19245L1 and L13	SD514-155-100	
1A	514-118-400	
1AA	514-118-401	
1B	514-120-400	
1BA	514-120-400	
2A	514-124-400	
2AB	514-126-400	
<i>Description</i>		
1A	514-118-100	
1AA	514-118-100	
<i>Identification</i>		
KS-16378	514-145-100	
KS-16923L1	514-150-100	
KS-19245L1 and L13	SD514-155-100	
1B	514-120-100	
1BA	514-120-100	
2A	514-124-100	
2AB	514-126-100	
<i>Installation</i>		
KS-16378	514-145-200	
KS-16923L1	514-150-200	
KS-19245L1 and L13	SD514-155-100	
1A	514-118-200	
1AA	514-118-200	
1B	514-120-200	
1BA	514-120-200	
2A	514-124-200	
2AB	514-126-200	
<i>Maintenance</i>		
KS-16378	514-145-300	
KS-16923L1	514-150-300	
KS-19245L1	SD514-155-300	
KS-19245L13	SD514-155-301	
1A	514-118-300	
1AA	514-118-300	
1B	514-120-300	
1BA	514-120-300	
2A	514-124-300	
2AB	514-126-200	

**TELEPHONE ANSWERING SET (Cont)**

Telephone Answering Set (Cont)		
<i>Mechanical Adjustment</i>		
KS-16378	514-145-301	
KS-16923L1	514-150-300	
KS-19245L1	SD514-155-300	
<i>Operation</i>		
KS-16378	514-145-101	
KS-16923L1	514-150-101	
KS-19245L1 and L13	SD514-155-100	
1B	514-120-101	
1BA	514-120-101	
2A	514-124-101	
<i>Requirements and Adjustments</i>		
1B	514-120-301	
1BA	514-120-301	
2A	514-124-301	
<b>TELEPHONE ANSWERING SYSTEM</b>		
Occasional Service Circuit		
(SD-96605-01, SD-96606-01)		
<i>Operation Tests</i>		
At Telephone Answering Bureau	473-607-501	
Occasional Service System (J99317)		
<i>Description</i>	473-503-100	
<i>Operation</i>	473-503-100	
Telephone Answering System		
<i>Calibration</i>		
KS-21056 Test Set		
(SD-99608-01)		
For Use with Line		
Concentrator-Identifier		
System	473-500-101	
<i>Circuit Tests</i>		
Line Concentrator		
(J93022)-Identifier (J93021)		
For Use with No. 1 and 2		
Electronic Switching System	473-505-502	
Line Concentrator-Identifier		
(J93021)		
For Use with		
Electromechanical Central		
Offices	473-501-502	
Line Concentrator-Identifier		
Telephone Secretarial Answering		
Service	473-501-501	
<i>Circuit Tests and Trouble Analysis</i>		
Line Concentrator		
(J93022)-Identifier (J93021)		
For Use with No. 1		
Electronic Switching System	473-505-501	
<i>Description</i>		
KS-21056 Test Set		
(SD-99608-01)		
For Use with Line		
Concentrator-Identifier		
System	473-500-101	
<i>General Descriptive</i>		
Electro-Mechanical Central		
Offices		
Line		
Concentrator-Identifier	951-830-100	
Electronic Switching Systems		
No. 1		
Line		
Concentrator-Identifier	951-830-100	

**TELEPHONE ANSWERING SYSTEM (Cont)**

Telephone Answering System (Cont)	
<i>Information</i>	
Electro-Mechanical Central Offices	
Line	
Concentrator-Identifier	951-830-100
Electronic Switching Systems No. 1	
Line	
Concentrator-Identifier	951-830-100
<i>Operation</i>	
KS-21056 Test Set (SD-99608-01)	
For Use with Line Concentrator-Identifier System	473-500-101
<i>Tests and Adjustments</i>	
Tone Signaling Circuit SD-99556-01 (J59202)	
For Use With Line Concentrator-Identifier System	473-500-501
<i>Tests and Inspections at Time of Installation</i>	
Line Concentrator (J93022)-Identifier (J93021)	
For Use with No. 1 and 2 Electronic Switching System	473-505-202
For Use with No. 1 Electronic Switching System	473-505-201
Line Concentrator-Identifier (J93021)	
For Use with Electromechanical Central Offices	473-501-202
Line Concentrator-Identifier Telephone Secretarial Answering Service	473-501-201
<i>Trouble Analysis</i>	
Line Concentrator (J93022)-Identifier (J93021)	
For Use with No. 1 and 2 Electronic Switching System	473-505-502
Line Concentrator-Identifier (J93021)	
For Use with Electromechanical Central Offices	473-501-502
Line Concentrator-Identifier Telephone Secretarial Answering Service	473-501-501
1A	
<i>Connections</i>	
Attendant Console	473-609-210
Equipment Cabinet	473-609-201
<i>General Description</i>	981-240-100
<i>Identification</i>	
Attendant Console	473-609-210
Equipment Cabinet	473-609-201
<i>Installation</i>	
Attendant Console	473-609-210
Equipment Cabinet	473-609-201
<i>Method of Operation</i>	
Attendant Equipment	473-609-301
<i>Operation Tests</i>	473-609-501

**TELEPHONE ANSWERING SYSTEM (Cont)**

1A (Cont)	
<i>Service Options</i>	
Equipment Cabinet	473-609-201
100A	
<i>Connections</i>	473-675-201
<i>Identification</i>	473-675-201
<i>Installation</i>	473-675-201
<i>Maintenance</i>	473-675-201
<i>Operation</i>	473-675-201
<b>TELEPHONE APPARATUS AND MATERIALS</b>	
Color	500-120-100
<b>TELEPHONE APPARATUS FOR IMPAIRED HEARING, SPEECH, SIGHT</b>	
<i>Selection</i>	500-128-180
<b>TELEPHONE BASE</b>	
<i>Connections</i>	
AL1	502-330-100
<i>Identification</i>	
AL1	502-330-100
<i>Installation</i>	
AL1	502-330-100
<i>Maintenance</i>	
AL1	502-330-100
<i>Reference</i>	
AC-Type (Used With 220-, 226-, 2220-, and 2226-Type Hand Telephone Set)	502-303-101
AD-Type (Used With 220-, 226-, 2220-, and 2226-Type Hand Telephone Set)	502-303-101
<i>Service</i>	
AC-Type (Used with 220-, 226-, 2220-, and 2226-Type Hand Telephone Set)	SA502-322-400
AD-Type (Used with 220-, 226-, 2220-, and 2226-Type Hand Telephone Set)	SA502-322-400
<b>TELEPHONE CONSOLE</b>	
<i>Connections</i>	
14-Type	
800A Private Branch Exchange	553-103-210
15-Type	
800A Private Branch Exchange	553-103-210
16-Type	
800A Private Branch Exchange	553-103-210
22-Type	
756A Private Branch Exchange	551-115-210
23-Type	
757A Private Branch Exchange	551-210-210
3-Type	
756A Private Branch Exchange	551-115-210
32-Type	
756A Private Branch Exchange	551-117-210
4-Type	
756A Private Branch Exchange	551-117-210

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**TELEPHONE CONSOLE (Cont)**

*Connections (Cont)*

43-Type	
757A Private Branch	
Exchange	551-210-210
53-Type	
757A Private Branch	
Exchange	551-210-210
9A-Type	504-215-402

*Connections (Direct Trunk Termination)*

1-Type	
757A Private Branch	
Exchange	551-216-210
2-Type	
757A Private Branch	
Exchange	551-216-210

*Connections (J1H011A Switch Unit)*

1-Type	
No. 101 Electronic Switching System	240-204-201

*Connections (Switched Loop Operation)*

1-Type	
757A Private Branch	
Exchange	551-216-215
2-Type	
757A Private Branch	
Exchange	551-216-215

*Connections to Control Cabinet*

1B-Type	
No. 1 (2-Wire; Centrex Service) Electronic Switching System	540-576-210
No. 2 (2-Wire; Centrex Service) Electronic Switching System	540-576-210
2B-Type	
No. 1 (2-Wire; Centrex Service) Electronic Switching System	540-576-210
No. 2 (2-Wire; Centrex Service) Electronic Switching System	540-576-210

*Identification*

1-Type	504-211-101
10-Type	504-216-101
11-Type	504-216-101
12-Type	504-216-101
120-Type	504-220-150
121-Type	504-220-151
131-Type	504-220-151
132-Type	504-220-152
14-Type	504-220-101
15-Type	504-220-101
151-Type	504-220-151
152-Type	504-220-152
155-Type	504-220-155
16-Type	504-220-102
2-Type	504-211-101
21-Type	504-220-121
22-Type	504-220-122
23-Type	504-220-123
24-Type	504-220-124
26-Type	504-220-126
27-Type	504-220-127

**TELEPHONE CONSOLE (Cont)**

*Identification (Cont)*

28-Type	504-220-128
29-Type	504-220-129
3-Type	504-212-101
32-Type	504-220-122
34-Type	504-220-124
4-Type	504-212-101
41-Type	504-220-121
43-Type	504-220-123
45-Type	504-220-125
46-Type	504-220-126
47-Type	504-220-127
48-Type	504-220-128
5-Type	504-213-101
500-Type	
Display Unit-103A1	504-225-100
51-Type	504-220-121
53-Type	504-220-123
54-Type	504-220-124
56-Type	504-220-126
6-Type	504-213-101
60-Type	504-220-133
63-Type	504-220-123
8A-Type	504-215-101
83-Type	504-220-123
9A-Type	504-215-101

*Installation*

1-Type	504-210-201
1B-Type	
No. 1 (2-Wire; Centrex Service) Electronic Switching System	540-576-210
No. 2 (2-Wire; Centrex Service) Electronic Switching System	540-576-210
10-Type	504-210-201
11-Type	504-210-201
12-Type	504-210-201
14-Type	504-210-201
15-Type	504-210-201
16-Type	504-210-201
2-Type	504-210-201
2B-Type	
No. 1 (2-Wire; Centrex Service) Electronic Switching System	540-576-210
No. 2 (2-Wire; Centrex Service) Electronic Switching System	540-576-210
3-Type	504-210-201
4-Type	504-210-201
5-Type	504-210-201
6-Type	504-210-201

*Maintenance*

1-Type	504-210-201
10-Type	504-210-201
11-Type	504-210-201
12-Type	504-210-201
14-Type	504-210-201
15-Type	504-210-201
16-Type	504-210-201
2-Type	504-210-201
3-Type	504-210-201
4-Type	504-210-201
5-Type	504-210-201

**TELEPHONE CONSOLE (Cont)***Maintenance (Cont)*

6-Type 504-210-201

*Method of Operation*

## F-58011

758C (Arranged for Wide Band  
Secure Voice Operation)  
Private Branch Exchange 551-511-301

## 14-Type

800A Private Branch  
Exchange 553-118-300

## 15-Type

800A Private Branch  
Exchange 553-118-300

## 16-Type

800A Private Branch  
Exchange 553-118-300

## 2B-Type

758C (Arranged for Wide Band  
Secure Voice Operation)  
Private Branch Exchange 551-511-301

## 22-Type

756A Private Branch  
Exchange 551-160-302

## 27A-Type

No. 1 (2-Wire, Centrex-PBX  
Service Electronic Switching  
System 540-576-303

## 3-Type

756A Private Branch  
Exchange 551-160-302

## 32-Type

756A Private Branch  
Exchange 551-160-302

## 4-Type

756A Private Branch  
Exchange 551-160-302

## 5-Type

701A Private Branch  
Exchange 540-107-302701B Private Branch  
Exchange 540-107-302740E Private Branch  
Exchange 540-107-302

## 6-Type

701A Private Branch  
Exchange 540-107-302701B Private Branch  
Exchange 540-107-302740E Private Branch  
Exchange 540-107-302*Method of Operation (Switched Loop  
Operation)*

## 1-Type

757A Private Branch  
Exchange 551-260-302

## 1B-Type

No. 1 (2-Wire; Centrex  
Service) Electronic  
Switching System 540-576-301No. 2 (2-Wire) Electronic  
Switching System 540-576-302

## 2-Type

757A Private Branch  
Exchange 551-260-302**TELEPHONE CONSOLE (Cont)***Method of Operation (Switched Loop (Cont)*

## 2B-Type

No. 1 (2-Wire; Centrex  
Service) Electronic  
Switching System 540-576-301No. 2 (2-Wire) Electronic  
Switching System 540-576-302*Method of Operation (Fixed Loop  
Termination)*

## 1-Type

No. 5 Crossbar Centrex CO  
(Arranged for Phase III  
Centrex) 540-575-301

## 2-Type

No. 5 Crossbar Centrex CO  
(Arranged for Phase III  
Centrex) 540-575-301

## 1-Type

No. 5 Crossbar Centrex CO  
(Arranged for Phase III  
Centrex) 540-575-302

## 2-Type

No. 5 Crossbar Centrex CO  
(Arranged for Phase III  
Centrex) 540-575-302

## 1-Type

No. 5 Crossbar Centrex CO  
(Arranged for Phase II  
Centrex) 540-575-311

## 2-Type

No. 5 Crossbar Centrex CO  
(Arranged for Phase II  
Centrex) 540-575-311

## 1-Type

No. 5 Crossbar Centrex CO  
(Arranged for Phase II  
Centrex) 540-575-312

## 2-Type

No. 5 Crossbar Centrex CO  
(Arranged for Phase II  
Centrex) 540-575-312

## 1-Type

No. 5 Crossbar Centrex CO  
(Arranged for Phase I  
Centrex) 540-575-321

## 2-Type

No. 5 Crossbar Centrex CO  
(Arranged for Phase I  
Centrex) 540-575-321

## 9A-type

No. 5 Crossbar Centrex CO  
(Arranged for Phase I  
Centrex) 540-575-321

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**TELEPHONE CONSOLE (Cont)**

*Method of Operation (Switched (Cont))*

1-Type  
No. 5 Crossbar Centrex CO  
(Arranged for Phase I  
Centrex) 540-575-322

2-Type  
No. 5 Crossbar Centrex CO  
(Arranged for Phase I  
Centrex) 540-575-322

*Operation Test-Direct Station  
Selection Circuit (SD-66865-01)*

1-Type  
701A Private Branch  
Exchange 542-011-501  
701B Private Branch  
Exchange 542-011-501

2-Type  
701A Private Branch  
Exchange 542-011-501  
701B Private Branch  
Exchange 542-011-501

*Selection*  
3-Type 504-212-101  
4-Type 504-212-101

**TELEPHONE CONSOLE (MULTIPLE)**

*Method of Operation (Direct Trunk  
Termination)*

23-Type  
757A Private Branch  
Exchange 551-260-303

43-Type  
757A Private Branch  
Exchange 551-260-303

53-Type  
757A Private Branch  
Exchange 551-260-303

**TELEPHONE CONSOLE (POSITION NO. 1**

**DIRECT TRUNK TERMINATION);  
ATTENDANT—SEE ATTENDANT TELEPHONE  
CONSOLE (POSITION NO. 1 DIRECT TRUNK  
TERMINATION)**

**TELEPHONE CONSOLE (SINGLE)**

*Method of Operation (Direct Trunk  
Termination)*

1-Type  
757A Private Branch  
Exchange 551-260-301

2-Type  
757A Private Branch  
Exchange 551-260-301

**TELEPHONE CONSOLE (1-3 SWITCHED LOOP  
TERMINATION); ATTENDANT—SEE ATTENDANT  
TELEPHONE CONSOLE (1-3 SWITCHED LOOP  
TERMINATION)**

**TELEPHONE DICTATION TRUNK CIRCUIT;  
RECORDED—SEE RECORDED TELEPHONE  
DICTATION TRUNK CIRCUIT**

**TELEPHONE DICTATION TRUNK;  
RECORDED—SEE RECORDED TELEPHONE  
DICTATION TRUNK**

**TELEPHONE MOUNTING; COIN—SEE COIN  
TELEPHONE MOUNTING**

**TELEPHONE POSITION; ATTENDANT—SEE  
ATTENDANT TELEPHONE POSITION**

**TELEPHONE POSITION; SUPERVISOR—SEE  
SUPERVISOR TELEPHONE POSITION  
TELEPHONE SECRETARIAL ANSWERING  
SERVICE**

Line Concentrator-Identifier  
*Circuit Tests*  
Telephone Answering System 473-501-501

*Tests and Inspections at Time of  
Installation*  
Telephone Answering System 473-501-201

*Trouble Analysis*  
Telephone Answering System 473-501-501

**TELEPHONE SERVICE; CUSTOMER—SEE  
CUSTOMER TELEPHONE SERVICE**

**TELEPHONE SET**

Apartment Door Answering  
*Connections*  
2755-Type SD512-520-400

*Identification*  
2755A, AM SD512-520-100

*Installation*  
2755A, AM SD512-520-100

*Maintenance*  
2755-Type SD512-520-400

*Operation*  
2755A, AM SD512-520-100

**CALL DIRECTOR\* Telephone**

*Selection*  
CALL DIRECTOR\* Telephone 502-000-010

**CALL-A-MATIC\* Set**

*Connections*  
*Identification*  
*Installation*  
*Maintenance*  
*Operation*

1671A-Type 502-650-100  
2671B1M SC503-550-101

**Card Dialer**

*Selection*  
1660 Series 502-000-111  
2660 Series 502-000-111  
660 Series 502-000-111

**Desk Type (10-, 11-, or 13-Button)**

*Connections*  
2832-Type  
Used With 7A Communication  
System KC503-701-110

832-Type  
Used With 7A Communication  
System KC503-701-110

*Identification*  
2832-Type  
Used With 7A Communication  
System KC503-701-110

832-Type  
Used With 7A Communication  
System KC503-701-110



**TELEPHONE SET (Cont)**

Desk Type (10-, 11-, or 13-Button) (Cont)

*Installation (Cont)*

2832-Type

Used With 7A Communication  
System

KC503-701-110

832-Type

Used With 7A Communication  
System

KC503-701-110

*Maintenance*

2832-Type

Used With 7A Communication  
System

KC503-701-110

832-Type

Used With 7A Communication  
System

KC503-701-110

Desk Type (10-Button)

*Connections**Identification**Installation**Maintenance*

2830-Type

KA503-701-101

830-Type

KA503-701-101

Desk Type (20-Button)

*Connections*

2831-Type

KA503-702-101

2833-Type

Used with 14A Communication  
System

KC503-702-110

Used with 21A Communication  
System

KC503-702-110

831-Type

KA503-702-101

833-Type

Used with 14A Communication  
System

KC503-702-110

Used with 21A Communication  
System

KC503-702-110

*Identification*

2831-Type

KA503-702-101

2833-Type

Used with 14A Communication  
System

KC503-702-110

Used with 21A Communication  
System

KC503-702-110

831-Type

KA503-702-101

833-Type

Used with 14A Communication  
System

KC503-702-110

Used with 21A Communication  
System

KC503-702-110

*Installation*

2831-Type

KA503-702-101

2833-Type

Used with 14A Communication  
System

KC503-702-110

Used with 21A Communication  
System

KC503-702-110

831-Type

KA503-702-101

833-Type

Used with 14A Communication  
System

KC503-702-110

Used with 21A Communication  
System

KC503-702-110

*Maintenance*

2831-Type

KA503-702-101

**TELEPHONE SET (Cont)**

Desk Type (20-Button) (Cont)

*Maintenance (Cont)*

2833-Type

Used with 14A Communication  
System

KC503-702-110

Used with 21A Communication  
System

KC503-702-110

831-Type

KA503-702-101

833-Type

Used with 14A Communication  
System

KC503-702-110

Used with 21A Communication  
System

KC503-702-110

Desk Type (6-Button)

*Connection*

2575AM

COM KEY (718, 1434, 2152)

KC503-603-120

575AM

COM KEY (718, 1434, 2152)

KC503-603-120

*Identification*

2575AM

COM KEY (718, 1434, 2152)

KC503-603-120

575AM

COM KEY (718, 1434, 2152)

KC503-603-120

*Installation*

2575AM

COM KEY (718, 1434, 2152)

KC503-603-120

575AM

COM KEY (718, 1434, 2152)

KC503-603-120

*Maintenance*

2575AM

COM KEY (718, 1434, 2152)

KC503-603-120

575AM

COM KEY (718, 1434, 2152)

KC503-603-120

Explosive Atmosphere

*Connections*

KS-14476

502-415-201

2520B

502-415-204

320-Type

502-415-200

520-Type

502-415-203

*General Requirements*

KS-14476

502-415-100

KS-14548

502-415-100

2520B

502-415-100

320-Type

502-415-100

520B

502-415-100

*Identification*

2520B

502-415-204

520-Type

502-415-203

*Installation*

KS-14476

502-415-201

KS-14548

502-415-202

2520B

502-415-204

320-Type

502-415-200

520-Type

502-415-203

*Maintenance*

KS-14476

502-415-201

KS-14548

502-415-202

2520B

502-415-204

320-Type

502-415-200

520-Type

502-415-203

Howard Johnson Motor Hotel Chain

*Identification*

F-56105

512-120-102

**SECTION 460-000-006**

**TELEPHONE SET (Cont)**

Imperial House 400 Motor Hotel Chain

Identification

F-56105 512-120-103

Magneto

Connections

KS-19148, L1

Mine Station, Nonexplosive

Atmosphere

510-830-100

307A

510-330-400

309A

510-330-401

357A

510-330-402

Identification

KS-19148, L1

Mine Station, Nonexplosive

Atmosphere

510-830-100

SP417-Type Per D-157314

510-310-100

299-Type

510-310-100

315H

510-310-100

400K

510-310-100

415H

510-310-100

Installation

KS-19148, L1

Mine Station, Nonexplosive

Atmosphere

510-830-100

Maintenance

KS-19148, L1

Mine Station, Nonexplosive

Atmosphere

510-830-100

Selection

510-310-180

Modified for Transmitter Cutoff using

Exclusion Switch

Connections

501-230-101

Identification

501-230-101

Modular Type

General Information

SA503-100-100

Multiline

Reference

1563HB 502-502-103

1564HL 502-502-103

1565-Type 502-502-104

1568HT 502-502-103

1752-Type

Panel Telephone

502-706-102

2563HB, HBM

502-503-103

2564HL, HLM

502-503-103

2565-Type

502-503-104

2568HAA, HAAM

502-503-103

2752-Type

Panel Telephone

502-707-102

2754-Type

Panel Telephone

502-707-102

540-Type

502-501-104

543-Type

502-501-104

544-Type

502-501-104

545-Type

502-501-104

563HB/HBM

502-501-105

564HL/HLM

502-501-105

565-Type

502-501-106

566MD/MDM

502-501-105

567PB

502-501-122

568HR/HS/HSM/HAA/HAAM

502-501-105

569NB, NBM

502-501-122

Service

1563HB 502-542-400

1564HK, HL 502-542-402

**TELEPHONE SET (Cont)**

Multiline (Cont)

Service (Cont)

1565GK 502-542-403

1565HK 502-542-404

1565LK 502-542-405

1568HT 502-542-406

1752-Type

Panel Telephone

502-737-401

2563HB, HBM

502-543-400

2564HL, HLM

502-543-402

2565GK, GKM

KA502-543-403

2565HK, HKM

KA502-543-405

2565LK, LKM

KA502-543-406

2568HAA, HAAM

502-543-410

2752-Type

Panel Telephone

502-738-401

2754-Type

Panel Telephone

502-738-402

540B

502-541-401

544A, B

502-541-402

545B

502-541-403

563HB, HBM

502-541-404

564B, C, D, H

502-541-405

564HD

KA502-541-406

564HK

KA502-541-407

564HL, HLM

KA502-541-407

565A, B, E, G, H, L

502-541-408

565GK, GKM

KA502-541-414

565HD

KA502-541-410

565HK, HKM

KA502-541-415

565LDR

502-541-412

565LK, LKM

KA502-541-416

566MB, FB

502-541-419

566MD, MDM

502-541-419

567PB

502-541-429

568HAA, HAAM

502-541-425

568HB

502-541-420

568HF, HR

502-541-423

568HT

502-542-406

569NB, NBM

502-541-430

752-Type

Panel Telephone

502-736-401

754-Type

Panel Telephone

502-736-402

Multiline-4 and 6 Button

Selection

502-000-003

Single Line

Reference

1500D

502-502-101

1554B

502-502-101

1702B

PRINCESS® Telephone

502-702-100

1702D

PRINCESS® Telephone

502-702-103

1713B

PRINCESS® Telephone

502-702-103

1750A, B

Panel Telephone

502-706-100

2500-Type

502-503-101

2554-Type

502-503-101

2702B, BM

PRINCESS® Telephone

502-703-100

2702D, DM

PRINCESS® Telephone

502-703-103

**TELEPHONE SET (Cont)**

Single Line (Cont)

*Reference (Cont)*

2713B, BM	
PRINCESS® Telephone	502-703-103
2750-Type	
Panel Telephone	502-707-100
500C/D	502-501-101
500DM	502-501-101
501C/D	502-501-101
554A/B	502-501-101
554BM	502-501-101
554BMP	502-501-101
554F	502-501-101
556A/B	502-501-101
701B	
PRINCESS® Telephone	502-701-100
701D	
PRINCESS® Telephone	502-701-103
702B, BM	
PRINCESS® Telephone	502-701-100
702D	
PRINCESS® Telephone	502-701-103
711B	
PRINCESS® Telephone	502-701-103
712B, BM	
PRINCESS® Telephone	502-701-101
713B, 713BM	
PRINCESS® Telephone	502-701-103
750-type	
Panel Telephone	502-705-100
755A, AM	
Panel Type (Manual)	502-750-105

*Service*

1500D	SB502-522-401
1554B	SB502-522-402
1702B	
PRINCESS® Telephone	SB502-722-401
1702D	
PRINCESS® Telephone	SB502-728-401
1750A/B	
Panel Telephone	SB502-731-401
2500D, DM	SA502-523-401
2554-Type	SA502-523-402
2702B, BM	
PRINCESS® Telephone	SA502-723-401
2702D, DM	
PRINCESS® Telephone	SA502-729-401
2750A/B	SA502-732-401
2750AM/BM	SA502-732-401
500A/B	SA502-521-401
500C/D	SA502-521-402
500CM/DM	SA502-521-402
500J/K	SB502-521-403
501A/B	SB502-521-404
501C/D	SA502-521-405
501CM/DM	SA502-521-405
501J/K	SB502-521-406
554A/B	SA502-521-410
554AM, BM	SA502-521-410
554AMP, BMP	SA502-521-410
554F	SA502-521-410
556A/B	SA502-521-411
556AM/BM	SA502-521-411
556AMP/BMP	SA502-521-411

**TELEPHONE SET (Cont)**

Single Line (Cont)

*Service (Cont)*

701B		
PRINCESS® Telephone		SB502-721-401
701D		
PRINCESS® Telephone		SB502-727-401
702B, BM		
PRINCESS® Telephone		SA502-721-402
702D		
PRINCESS® Telephone		SA502-727-402
711B		
PRINCESS® Telephone		SB502-727-403
713B, BM		
PRINCESS® Telephone		SA502-727-404
750-Type		
Panel Telephone		SA502-730-401
755A, AM		
Panel Type (Manual)		502-750-405
Single Line-0 Button		
<i>Common Installation and Maintenance</i>		
<i>Information</i>		502-500-110
<i>Selection</i>		502-000-001
Special Purpose		
<i>Reference</i>		
1500M, S, Y		502-502-110
1514B		502-502-110
2500M, MM, S, SM, Y, YM		502-503-110
2503-Type		502-503-120
2514B, BM		502-503-110
2526B, BM		502-503-125
500E/F, FM, H, L/M, MM, P, R/S,		
SM, U, W/Y, YM, AD, ADM		502-501-115
501F, P, U		502-501-115
503B		502-501-120
503C, CM		502-501-120
507-Type		502-501-116
509-Type		502-501-116
513B		502-501-120
514B, BM		502-501-115
516B		502-501-115
525-Type		502-501-117
526-Type		502-501-117
529B, BM		502-501-121
532-Type		502-501-116
533-Type		502-501-116
535-Type		502-501-116
536-Type		502-501-116
557-Type		502-501-116
559-Type		502-501-116
570-Type		
Emergency Reporting		502-501-119
<i>Selection</i>		502-000-004
<i>Service</i>		
2500M, MM		SA502-582-400
2500S, SM		SA502-582-402
2500Y, YM		SA502-582-403
500AD, ADM		SA502-580-401
500E/F, EM, FM		SB502-580-402
500H		SB502-580-404
500L/M, MM		SA502-580-405
500P		SB502-580-406
500R/S, SM		SA502-580-408
500U		SB502-580-409
500W/Y, WM, YM		SA502-580-411
501F, FM		SA502-580-403

**SECTION 460-000-006**

**TELEPHONE SET (Cont)**

Special Purpose (Cont)

Service (Cont)

501P	SB502-580-407
501U	SB502-580-410
503B	502-580-460
503CM	502-580-460
507A/B	502-580-425
509A/B	502-580-426
513B, BM	502-580-461
514B, BM	SA502-580-412
516B	502-580-463
525A/B	SB502-580-437
526A/B	SA502-580-438
526AM/BM	SA502-580-438
529B, BM	502-580-436
532A, B	502-580-427
533A/B	502-580-428
535A, B	502-580-429
536A/B	502-580-430
543DB, DBC, DBM	502-580-431
557A/B	502-580-432
559A/B	502-580-433
570	SB502-580-455

Station Sets

Refrigerated Rooms 502-120-203

Installation

Indoor Location 502-120-201

Telephone Set

Assembly of Parts

300 Series	
For Indoor Locations	502-400-100
401-Type	502-430-100
402-Type	502-430-100
410-Type	502-430-100
411-Type	502-430-100
412-Type	502-430-100
440-Type	502-435-100
460-Type	502-435-100
5300 Series	502-400-101

Class of Service and Zone

Selection of Apparatus 500-110-100

Common Installation

1630 Series	KA502-600-100
2630 Series	KA502-600-100
630 Series	KA502-600-100

Common Installation and Maintenance

Information

1560 Series	KA502-500-120
1660 Series	502-600-102
1750 Series	502-700-102
2560 Series	KA502-500-120
2660 Series	502-600-102
2750 Series	502-700-102
540 Series	KA502-500-120
560 Series	KA502-500-120
660 Series	502-600-102
750 Series	502-700-102

Common Maintenance

1630 Series	KA502-600-100
2630 Series	KA502-600-100
630 Series	KA502-600-100

Connection

2881C111	
DESIGN LINE Telephone	SA503-200-112

**TELEPHONE SET (Cont)**

Telephone Set (Cont)

Connection (Cont)

2911A1		
DESIGN LINE Telephone		SA503-200-105
2950A-Type		
DESIGN LINE Telephone		SA503-200-114
881C111		
DESIGN LINE Telephone		SA503-200-112
911A1		
DESIGN LINE Telephone		SA503-200-105
950A-Type		
DESIGN LINE Telephone		SA503-200-114
Connections		
D-180574 Coin Decorator		
DESIGN LINE Telephone		SA503-200-113
F-50682 Ground Observer		510-820-100
F-56105		
Using KS-16844 RAPIDIAL		512-120-101
F-56503		
Using KS-19594 Dialer		512-126-100
F-58554		
Card Dialer		502-690-100
F-58555		
Card Dialer		502-690-101
1500S		
3-Type Speakerphone System		SD512-620-410
1511-Type		
1A Home Interphone System		512-510-421
3-Type Speakerphone System		SD512-620-415
1511D		
2A Farm Interphone System		512-515-412
1511F/H		
2A Farm Interphone System		512-515-412
1558-Type		
3-Type Speakerphone System		SD512-620-418
1558D		
1A Home Interphone System		512-510-423
2A Farm Interphone System		512-515-414
1565-Type		
3-Type Speakerphone System		SD512-620-420
1630-Type		
3-Type Speakerphone System		SD512-620-440
1631-Type		
3-Type Speakerphone System		SD512-620-440
1632-Type		
3-Type Speakerphone System		SD512-620-442
1634-Type		
3-Type Speakerphone System		512-620-444
1635-Type		
3-Type Speakerphone System		512-620-444
1660-Type		
3-Type Speakerphone System		512-621-460
1662-Type		
3-Type Speakerphone System		512-621-462
1702B		
3-Type Speakerphone System		SD512-620-471
1712B		
1A Home Interphone System		512-510-426
2A Farm Interphone System		512-515-418
1751-Type		
1A Home Interphone System		512-510-428
1752-Type		
1A Home Interphone System		512-510-430
3-Type Speakerphone System		SD512-620-480

**TELEPHONE SET (Cont)**

Telephone Set (Cont)

*Connections (Cont)*

211PR	
4A Speakerphone System	SD512-710-400
2211P	
4A Speakerphone System	SD512-710-400
2500S	
3-Type Speakerphone System	SD512-620-410
2500S, SM	
4A Speakerphone System	SD512-710-405
2511-Type	
3-Type Speakerphone System	SD512-620-415
4A Speakerphone System	SD512-710-410
2511F	
2A Farm Interphone System	512-515-422
2511F/H	
1A Home Interphone System	512-510-441
2558-Type	
3-Type Speakerphone System	SD512-620-418
4A Speakerphone System	SD512-710-412
2558D	
1A Home Interphone System	512-510-443
2A Farm Interphone System	512-515-424
2565-Type	
3-Type Speakerphone System	SD512-620-420
2565-Type Plug-Ended	
4A Speakerphone System	SD512-720-405
2568HAA	
3-Type Speakerphone System	512-620-430
2630-Type	
3-Type Speakerphone System	SD512-620-440
4A Speakerphone System	SD512-730-400
2631-Type	
3-Type Speakerphone System	SD512-620-440
4A Speakerphone System	SD512-730-400
2632-Type	
3-Type Speakerphone System	SD512-620-442
4A Speakerphone System	SD512-730-400
2634-Type	
3-Type Speakerphone System	512-620-444
4A Speakerphone System	SD512-730-400
2635-Type	
3-Type Speakerphone System	512-620-444
2660-Type	
3-Type Speakerphone System	512-622-460
2660A1, A1M	
4A Speakerphone System	SD512-730-450
2662-Type	
3-Type Speakerphone System	512-622-462
4A Speakerphone System	SD512-730-455
2682AA	
3-Type Speakerphone System	512-620-450
2682AA, AAM	
4A Speakerphone System	SD512-730-460
2683AA	
3-Type Speakerphone System	512-620-450
2683AA, AAM	
4A Speakerphone System	SD512-730-460
2702-Type	
3-Type Speakerphone System	SD512-620-471

**TELEPHONE SET (Cont)**

Telephone Set (Cont)

*Connections (Cont)*

2702B	
4A Speakerphone System	SD512-740-405
2712B	
1A Home Interphone System	512-510-446
2A Farm Interphone System	512-515-428
4A Speakerphone System	SD512-740-410
2712BM	
4A Speakerphone System	SD512-740-410
2751-Type	
1A Home Interphone System	512-510-448
2752-Type	
1A Home Interphone System	512-510-450
3-Type Speakerphone System	SD512-620-480
2754-Type	
1A Home Interphone System	512-510-452
2830-Type	
3-Type Speakerphone System	512-620-485
4A Speakerphone System	SD512-740-470
2831-Type	
3-Type Speakerphone System	512-620-485
4A Speakerphone System	SD512-740-470
2832-Type	
3-Type Speakerphone System	SD512-620-487
4A Speakerphone System	SD512-740-471
2833-Type	
3-Type Speakerphone System	SD512-620-487
4A Speakerphone System	SD512-740-471
2851-Type	
3-Type Speakerphone System	SD512-620-495
4A Speakerphone System	SD512-740-480
2852-Type	
4A Speakerphone System	SD512-740-481
2881A100	
DESIGN LINE Telephone	SA503-200-107
2881A101	
DESIGN LINE Telephone	SA503-200-107
2881B100	
DESIGN LINE Telephone	SA503-200-107
2881B101	
DESIGN LINE Telephone	SA503-200-107
2881B109, 2881C109	
DESIGN LINE Telephone	SA503-200-111
2881B110	
DESIGN LINE Telephone	SA503-200-107
2881C100	
DESIGN LINE Telephone	SA503-200-107
2881C101	
DESIGN LINE Telephone	SA503-200-107
2881C110	
DESIGN LINE Telephone	SA503-200-107
2900A, B	
DESIGN LINE Telephone	SA503-200-100
2902A1	
DESIGN LINE Telephone	SA503-200-102
2910A	
DESIGN LINE Telephone	SA503-200-101
2921A, B	
DESIGN LINE Telephone	SA503-200-106
2930A, B	
DESIGN LINE Telephone	SA503-200-103
2931B	
DESIGN LINE Telephone	SA503-200-103

**SECTION 460-000-006**

**TELEPHONE SET (Cont)**

Telephone Set (Cont)

Connections (Cont)

300-Type	
Outdoor Locations	502-410-400
302AA, AC	502-400-400-
302E, G	502-400-401
304A, C	502-400-402
305E, G	502-400-403
306A, C	502-400-404
Conversion for use with Individual Lines and Two-Party Service	502-400-405
306G	502-400-406
307A	510-130-400
307C	510-130-400
309A	510-130-401
309C	510-130-401
322-Type	
Elevator Telephone Set	502-402-100
325-Type	
Outdoor Locations	502-410-400
329-Type	502-400-407
331-Type (Portable)	510-810-100
332A, C	502-400-408
334C	502-400-409
354A, C	502-400-410
356A, C	502-400-411
357A	510-130-402
357C	510-130-402
401-Type	502-430-400
402-Type	502-430-400
410-Type	502-430-400
411-Type	502-430-400
412-Type	502-430-400
440-Type	502-435-400
460-Type	502-435-400
500R/S	
3-Type Speakerphone System	SD512-620-410
500S, SM	
4A Speakerphone System	SD512-710-405
500Y	
761B Private Branch Exchange	551-722-210
500YR	
761B Private Branch Exchange	551-722-210
511-Type	
1A Home Interphone System	512-510-401
3-Type Speakerphone System	SD512-620-415
4A Speakerphone System	SD512-710-410
511C/D	
2A Farm Interphone System	512-515-402
511F/H	
2A Farm Interphone System	512-515-402
5302G	502-400-401
5304C	502-400-402
5306C	502-400-404
5410-Type	502-430-400
558-Type	
1A Home Interphone System	512-510-403
3-Type Speakerphone System	SD512-620-418
4A Speakerphone System	SD512-710-412
558C/D	
2A Farm Interphone System	512-515-404

**TELEPHONE SET (Cont)**

Telephone Set (Cont)

Connections (Cont)

558F	
2A Farm Interphone System	512-515-404
565-Type	
3-Type Speakerphone System	SD512-620-420
565-Type Plug-Ended	
4A Speakerphone System	SD512-720-405
566-Type	
3-Type Speakerphone System	512-620-426
566MD, MDM	
4A Speakerphone System	SD512-720-406
568HAA	
3-Type Speakerphone System	512-620-430
630-Type	
3-Type Speakerphone System	SD512-620-440
4A Speakerphone System	SD512-730-400
631-Type	
3-Type Speakerphone System	SD512-620-440
4A Speakerphone System	SD512-730-400
632-Type	
3-Type Speakerphone System	SD512-620-442
4A Speakerphone System	SD512-730-400
634-Type	
3-Type Speakerphone System	512-620-444
4A Speakerphone System	SD512-730-400
635-Type	
3-Type Speakerphone System	512-620-444
4A Speakerphone System	SD512-730-400
660A1	
3-Type Speakerphone System	SD512-620-460
4A Speakerphone System	SD512-730-450
661-Type	
3-Type Speakerphone System	512-620-461
662-Type	
3-Type Speakerphone System	SD512-620-462
4A Speakerphone System	SD512-730-455
682AA	
3-Type Speakerphone System	512-620-450
682AA, AAM	
4A Speakerphone System	SD512-730-460
683AA	
3-Type Speakerphone System	512-620-450
683AA, AAM	
4A Speakerphone System	SD512-730-460
701B	
3-Type Speakerphone System	SD512-620-471
702B	
3-Type Speakerphone System	SD512-620-471
4A Speakerphone System	SD512-740-405
711B	
1A Home Interphone System	512-510-405
2A Farm Interphone System	512-515-407
4A Speakerphone System	SD512-740-410
712B	
1A Home Interphone System	512-510-406
2A Farm Interphone System	512-515-408
4A Speakerphone System	SD512-740-410

**TELEPHONE SET (Cont)**

Telephone Set (Cont)

*Connections (Cont)*

712BM	
4A Speakerphone System	SD512-740-410
751-Type	
1A Home Interphone System	512-510-408
752-Type	
1A Home Interphone System	512-510-410
3-Type Speakerphone System	SD512-620-480
754-Type	
1A Home Interphone System	512-510-412
830-Type	
3-Type Speakerphone System	512-620-485
4A Speakerphone System	SD512-740-470
831-Type	
3-Type Speakerphone System	512-620-485
4A Speakerphone System	SD512-740-470
832-Type	
3-Type Speakerphone System	SD512-620-487
4A Speakerphone System	SD512-740-471
833-Type	
3-Type Speakerphone System	SD512-620-487
4A Speakerphone System	SD512-740-471
851-Type	
3-Type Speakerphone System	SD512-620-495
4A Speakerphone System	SD512-740-480
852-Type	
4A Speakerphone System	SD512-740-481
881A100	
DESIGN LINE Telephone	SA503-200-107
881A101	
DESIGN LINE Telephone	SA503-200-107
881A102	
DESIGN LINE Telephone	SA503-200-108
881A103	
DESIGN LINE Telephone	SA503-200-108
881A104	
DESIGN LINE Telephone	SA503-200-108
881A105	
DESIGN LINE Telephone	SA503-200-109
881A106	
DESIGN LINE Telephone	SA503-200-109
881A107	
DESIGN LINE Telephone	SA503-200-109
881A108	
DESIGN LINE Telephone	SA503-200-109
881B100	
DESIGN LINE Telephone	SA503-200-107
881B101	
DESIGN LINE Telephone	SA503-200-107
881B102	
DESIGN LINE Telephone	SA503-200-108
881B103	
DESIGN LINE Telephone	SA503-200-108
881B104	
DESIGN LINE Telephone	SA503-200-108
881B105	
DESIGN LINE Telephone	SA503-200-109
881B106	
DESIGN LINE Telephone	SA503-200-109
881B107	
DESIGN LINE Telephone	SA503-200-109
881B108	
DESIGN LINE Telephone	SA503-200-109

**TELEPHONE SET (Cont)**

Telephone Set (Cont)

*Connections (Cont)*

881B109, 881C109	
DESIGN LINE Telephone	SA503-200-111
881B110	
DESIGN LINE Telephone	SA503-200-107
881C100	
DESIGN LINE Telephone	SA503-200-107
881C101	
DESIGN LINE Telephone	SA503-200-107
881C102	
DESIGN LINE Telephone	SA503-200-108
881C103	
DESIGN LINE Telephone	SA503-200-108
881C104	
DESIGN LINE Telephone	SA503-200-108
881C110	
DESIGN LINE Telephone	SA503-200-107
882A200	
DESIGN LINE Telephone	SA503-200-110
882B200	
DESIGN LINE Telephone	SA503-200-110
900A, B	
DESIGN LINE Telephone	SA503-200-100
902A1	
DESIGN LINE Telephone	SA503-200-102
910A	
DESIGN LINE Telephone	SA503-200-101
921A, B	
DESIGN LINE Telephone	SA503-200-106
930A, B	
DESIGN LINE Telephone	SA503-200-103
940-Type	
DESIGN LINE Telephone	SA503-200-104
<i>Identification</i>	
D-180574 Coin Decorator	
DESIGN LINE Telephone	SA503-200-113
F-50682 Ground Observer	510-820-100
F-56105	
Using KS-16844 RAPIDIAL	512-120-101
F-56503	
Using KS-19594 Dialer	512-126-100
F-58554	
Card Dialer	502-690-100
F-58555	
Card Dialer	502-690-101
2881A100	
DESIGN LINE Telephone	SA503-200-107
2881A101	
DESIGN LINE Telephone	SA503-200-107
2881B100	
DESIGN LINE Telephone	SA503-200-107
2881B101	
DESIGN LINE Telephone	SA503-200-107
2881B109, 2881C109	
DESIGN LINE Telephone	SA503-200-111
2881B110	
DESIGN LINE Telephone	SA503-200-107
2881C100	
DESIGN LINE Telephone	SA503-200-107
2881C101	
DESIGN LINE Telephone	SA503-200-107
2881C110	
DESIGN LINE Telephone	SA503-200-107

**SECTION 460-000-006**

**TELEPHONE SET (Cont)**

Telephone Set (Cont)

Identification (Cont)

2881C111	
DESIGN LINE Telephone	SA503-200-112
2900A, B	
DESIGN LINE Telephone	SA503-200-100
2902A1	
DESIGN LINE Telephone	SA503-200-102
2910A	
DESIGN LINE Telephone	SA503-200-101
2911A1	
DESIGN LINE Telephone	SA503-200-105
2921A, B	
DESIGN LINE Telephone	SA503-200-106
2930A, B	
DESIGN LINE Telephone	SA503-200-103
2931B	
DESIGN LINE Telephone	SA503-200-103
2950A-Type	
DESIGN LINE Telephone	SA503-200-114
300 Series	
For Indoor Locations	502-400-100
322-Type	
Elevator Telephone Set	502-402-100
325-Type	502-402-105
329-Type	502-400-407
331-Type (Portable)	510-810-100
401-Type	502-430-100
402-Type	502-430-100
410-Type	502-430-100
411-Type	502-430-100
412-Type	502-430-100
440-Type	502-435-100
460-Type	502-435-100
500Y	
761B Private Branch	
Exchange	551-722-210
500YR	
761B Private Branch	
Exchange	551-722-210
5300 Series	502-400-101
881A100	
DESIGN LINE Telephone	SA503-200-107
881A101	
DESIGN LINE Telephone	SA503-200-107
881A102	
DESIGN LINE Telephone	SA503-200-108
881A103	
DESIGN LINE Telephone	SA503-200-108
881A104	
DESIGN LINE Telephone	SA503-200-108
881A105	
DESIGN LINE Telephone	SA503-200-109
881A106	
DESIGN LINE Telephone	SA503-200-109
881A107	
DESIGN LINE Telephone	SA503-200-109
881A108	
DESIGN LINE Telephone	SA503-200-109
881B100	
DESIGN LINE Telephone	SA503-200-107
881B101	
DESIGN LINE Telephone	SA503-200-107
881B102	
DESIGN LINE Telephone	SA503-200-108

**TELEPHONE SET (Cont)**

Telephone Set (Cont)

Identification (Cont)

881B103		
DESIGN LINE Telephone		SA503-200-108
881B104		
DESIGN LINE Telephone		SA503-200-108
881B105		
DESIGN LINE Telephone		SA503-200-109
881B106		
DESIGN LINE Telephone		SA503-200-109
881B107		
DESIGN LINE Telephone		SA503-200-109
881B108		
DESIGN LINE Telephone		SA503-200-109
881B109, 881C109		
DESIGN LINE Telephone		SA503-200-111
881B110		
DESIGN LINE Telephone		SA503-200-107
881C100		
DESIGN LINE Telephone		SA503-200-107
881C101		
DESIGN LINE Telephone		SA503-200-107
881C102		
DESIGN LINE Telephone		SA503-200-108
881C103		
DESIGN LINE Telephone		SA503-200-108
881C104		
DESIGN LINE Telephone		SA503-200-108
881C110		
DESIGN LINE Telephone		SA503-200-107
881C111		
DESIGN LINE Telephone		SA503-200-112
882A200		
DESIGN LINE Telephone		SA503-200-110
882B200		
DESIGN LINE Telephone		SA503-200-110
900A, B		
DESIGN LINE Telephone		SA503-200-100
902A1		
DESIGN LINE Telephone		SA503-200-102
910A		
DESIGN LINE Telephone		SA503-200-101
911A1		
DESIGN LINE Telephone		SA503-200-105
921A, B		
DESIGN LINE Telephone		SA503-200-106
930A, B		
DESIGN LINE Telephone		SA503-200-103
940-Type		
DESIGN LINE Telephone		SA503-200-104
950A-Type		
DESIGN LINE Telephone		SA503-200-114
<i>Installation</i>		
D-180574 Coin Decorator		
DESIGN LINE Telephone		SA503-200-113
F-50682 Ground Observer		510-820-100
F-56105		
Using KS-16844 RAPIDIAL		512-120-101
F-56503		
Using KS-19594 Dialer		512-126-100
F-58554		
Card Dialer		502-690-100
F-58555		
Card Dialer		502-690-101



**TELEPHONE SET (Cont)**Telephone Set (Cont)  
Installation (Cont)

2881A100	
DESIGN LINE Telephone	SA503-200-107
2881A101	
DESIGN LINE Telephone	SA503-200-107
2881B100	
DESIGN LINE Telephone	SA503-200-107
2881B101	
DESIGN LINE Telephone	SA503-200-107
2881B109, 2881C109	
DESIGN LINE Telephone	SA503-200-111
2881B110	
DESIGN LINE Telephone	SA503-200-107
2881C100	
DESIGN LINE Telephone	SA503-200-107
2881C101	
DESIGN LINE Telephone	SA503-200-107
2881C110	
DESIGN LINE Telephone	SA503-200-107
2881C111	
DESIGN LINE Telephone	SA503-200-112
2900A, B	
DESIGN LINE Telephone	SA503-200-100
2902A1	
DESIGN LINE Telephone	SA503-200-102
2910A	
DESIGN LINE Telephone	SA503-200-101
2911A1	
DESIGN LINE Telephone	SA503-200-105
2921A, B	
DESIGN LINE Telephone	SA503-200-106
2930A, B	
DESIGN LINE Telephone	SA503-200-103
2931B	
DESIGN LINE Telephone	SA503-200-103
2950A-Type	
DESIGN LINE Telephone	SA503-200-114
322-Type	
Elevator Telephone Set	502-402-100
325-Type	502-402-105
331-Type (Portable)	510-810-100
500Y	
761B Private Branch	
Exchange	551-722-210
500YR	
761B Private Branch	
Exchange	551-722-210
881A100	
DESIGN LINE Telephone	SA503-200-107
881A101	
DESIGN LINE Telephone	SA503-200-107
881A102	
DESIGN LINE Telephone	SA503-200-108
881A103	
DESIGN LINE Telephone	SA503-200-108
881A104	
DESIGN LINE Telephone	SA503-200-108
881A105	
DESIGN LINE Telephone	SA503-200-109
881A106	
DESIGN LINE Telephone	SA503-200-109
881A107	
DESIGN LINE Telephone	SA503-200-109

**TELEPHONE SET (Cont)**Telephone Set (Cont)  
Installation (Cont)

881A108	
DESIGN LINE Telephone	SA503-200-109
881B100	
DESIGN LINE Telephone	SA503-200-107
881B101	
DESIGN LINE Telephone	SA503-200-107
881B102	
DESIGN LINE Telephone	SA503-200-108
881B103	
DESIGN LINE Telephone	SA503-200-108
881B104	
DESIGN LINE Telephone	SA503-200-108
881B105	
DESIGN LINE Telephone	SA503-200-109
881B106	
DESIGN LINE Telephone	SA503-200-109
881B107	
DESIGN LINE Telephone	SA503-200-109
881B108	
DESIGN LINE Telephone	SA503-200-109
881B109, 881C109	
DESIGN LINE Telephone	SA503-200-111
881B110	
DESIGN LINE Telephone	SA503-200-107
881C100	
DESIGN LINE Telephone	SA503-200-107
881C101	
DESIGN LINE Telephone	SA503-200-107
881C102	
DESIGN LINE Telephone	SA503-200-108
881C103	
DESIGN LINE Telephone	SA503-200-108
881C104	
DESIGN LINE Telephone	SA503-200-108
881C110	
DESIGN LINE Telephone	SA503-200-107
881C111	
DESIGN LINE Telephone	SA503-200-112
882A200	
DESIGN LINE Telephone	SA503-200-110
882B200	
DESIGN LINE Telephone	SA503-200-110
900A, B	
DESIGN LINE Telephone	SA503-200-100
902A1	
DESIGN LINE Telephone	SA503-200-102
910A	
DESIGN LINE Telephone	SA503-200-101
911A1	
DESIGN LINE Telephone	SA503-200-105
921A, B	
DESIGN LINE Telephone	SA503-200-106
930A, B	
DESIGN LINE Telephone	SA503-200-103
940-Type	
DESIGN LINE Telephone	SA503-200-104
950A-Type	
DESIGN LINE Telephone	SA503-200-114
<i>Maintenance</i>	
D-180574 Coin Decorator	
DESIGN LINE Telephone	SA503-200-113
F-50682 Ground Observer	510-820-100

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**TELEPHONE SET (Cont)**

Telephone Set (Cont)  
Maintenance (Cont)

F-56503		
Using KS-19594 Dialer	512-126-100	
F-58554		
Card Dialer	502-690-100	
F-58555		
Card Dialer	502-690-101	
1500S		
3-Type Speakerphone System	SD512-620-410	
1511-Type		
1A Home Interphone System	512-510-421	
3-Type Speakerphone System	SD512-620-415	
1511D		
2A Farm Interphone System	512-515-412	
1511F/H		
2A Farm Interphone System	512-515-412	
1558-Type		
3-Type Speakerphone System	SD512-620-418	
1558D		
1A Home Interphone System	512-510-423	
2A Farm Interphone System	512-515-414	
1565-Type		
3-Type Speakerphone System	SD512-620-420	
1632-Type		
3-Type Speakerphone System	SD512-620-442	
1634-Type		
3-Type Speakerphone System	512-620-444	
1635-Type		
3-Type Speakerphone System	512-620-444	
1660-Type		
3-Type Speakerphone System	512-621-460	
1702B		
3-Type Speakerphone System	SD512-620-471	
1712B		
1A Home Interphone System	512-510-426	
2A Farm Interphone System	512-515-418	
1751-Type		
1A Home Interphone System	512-510-428	
1752-Type		
1A Home Interphone System	512-510-430	
3-Type Speakerphone System	SD512-620-480	
2500S		
3-Type Speakerphone System	SD512-620-410	
2511-Type		
3-Type Speakerphone System	SD512-620-415	
2511F		
2A Farm Interphone System	512-515-422	
2511F/H		
1A Home Interphone System	512-510-441	
2558-Type		
3-Type Speakerphone System	SD512-620-418	
2558D		
1A Home Interphone System	512-510-443	
2A Farm Interphone System	512-515-424	
2565-Type		
3-Type Speakerphone System	SD512-620-420	
2632-Type		
3-Type Speakerphone System	SD512-620-442	
2634-Type		
3-Type Speakerphone System	512-620-444	
2635-Type		
3-Type Speakerphone System	512-620-444	
2660-Type		
3-Type Speakerphone System	512-622-460	

**TELEPHONE SET (Cont)**

Telephone Set (Cont)  
Maintenance (Cont)

2702-Type		
3-Type Speakerphone System	SD512-620-471	
2712B		
1A Home Interphone System	512-510-446	
2A Farm Interphone System	512-515-428	
2751-Type		
1A Home Interphone System	512-510-448	
2752-Type		
1A Home Interphone System	512-510-450	
3-Type Speakerphone System	SD512-620-480	
2754-Type		
1A Home Interphone System	512-510-452	
2851-Type		
3-Type Speakerphone System	SD512-620-495	
300 Series		
	502-400-300	
325-Type		
	502-402-105	
329-Type		
	502-400-407	
331-Type (Portable)		
	510-810-100	
401-Type		
	502-430-300	
402-Type		
	502-430-300	
410-Type		
	502-430-300	
411-Type		
	502-430-300	
412-Type		
	502-430-300	
440-Type		
	502-435-300	
460-Type		
	502-435-300	
500R/S		
3-Type Speakerphone System	SD512-620-410	
511-Type		
1A Home Interphone System	512-510-401	
3-Type Speakerphone System	SD512-620-415	
511C/D		
2A Farm Interphone System	512-515-402	
511F/H		
2A Farm Interphone System	512-515-402	
5300 Series		
	502-400-301	
558-Type		
1A Home Interphone System	512-510-403	
3-Type Speakerphone System	SD512-620-418	
558C/D		
2A Farm Interphone System	512-515-404	
558F		
2A Farm Interphone System	512-515-404	
565-Type		
3-Type Speakerphone System	SD512-620-420	
566-Type		
3-Type Speakerphone System	512-620-426	
632-Type		
3-Type Speakerphone System	SD512-620-442	
634-Type		
3-Type Speakerphone System	512-620-444	
635-Type		
3-Type Speakerphone System	512-620-444	
660A1		
3-Type Speakerphone System	SD512-620-460	
701B		
3-Type Speakerphone System	SD512-620-471	
702B		
3-Type Speakerphone System	SD512-620-471	
711B		
1A Home Interphone System	512-510-405	
2A Farm Interphone System	512-515-407	
712B		
1A Home Interphone System	512-510-406	

**TELEPHONE SET (Cont)**

## Telephone Set (Cont)

*Maintenance (Cont)*

2A Farm Interphone System	512-515-408
751-Type	
1A Home Interphone System	512-510-408
752-Type	
1A Home Interphone System	512-510-410
3-Type Speakerphone System	SD512-620-480
754-Type	
1A Home Interphone System	512-510-412
851-Type	
3-Type Speakerphone System	SD512-620-495

*Method of Operation (Fixed Loop Termination)*

622-Type	
No. 5 Crossbar Centrex CO (Arranged for Phase I Centrex)	540-575-321

*Method of Operation (Switched Loop Termination)*

622-Type	
No. 5 Crossbar Centrex CO (Arranged for Phase I Centrex)	540-575-322

*Operation*

F-56105	
Using KS-16844 RAPIDIAL	512-120-101
F-56503	
Using KS-19594 Dialer	512-126-100

*Reference*

1630-Type	
CALL DIRECTOR® Telephone	502-602-100
1631-Type	
CALL DIRECTOR® Telephone	502-602-100
1632-Type	
CALL DIRECTOR® Telephone	502-602-100
1634-Type	
CALL DIRECTOR® Telephone	502-602-101
1635-Type	
CALL DIRECTOR® Telephone	502-602-101
1636-Type	
CALL DIRECTOR® Telephone	502-602-101
1637-Type	
CALL DIRECTOR® Telephone	502-602-101
1638-Type	
CALL DIRECTOR® Telephone	502-602-101
1639-Type	
CALL DIRECTOR® Telephone	502-602-101
1660-Type	
Card Dialer (0-1 Button)	502-602-120
1662-Type	
Card Dialer (6-Button)	502-602-121
1663-Type	
Card Dialer (0-1 Button)	502-602-120
1664-Type	
Card Dialer (6-Button)	502-602-121
2630-Type	
CALL DIRECTOR® Telephone	502-603-100
2631-Type	
CALL DIRECTOR® Telephone	502-603-100
2632-Type	
CALL DIRECTOR® Telephone	502-603-100
2634-Type	
CALL DIRECTOR® Telephone	502-603-101

**TELEPHONE SET (Cont)**

## Telephone Set (Cont)

*Reference (Cont)*

2635-Type	
CALL DIRECTOR® Telephone	502-603-101
2636-Type	
CALL DIRECTOR® Telephone	502-603-101
2637-Type	
CALL DIRECTOR® Telephone	502-603-101
2638-Type	
CALL DIRECTOR® Telephone	502-603-101
2639-Type	
CALL DIRECTOR® Telephone	502-603-101
2660-Type	
Card Dialer (0-1 Button)	502-603-120
2660A1M	
Card Dialer	502-603-121
2662-Type	
Card Dialer (6-Button)	502-603-130
2662A1M	
Card Dialer	502-603-131
2663-Type	
Card Dialer (0-1 Button)	502-603-120
2664-Type	
Card Dialer (6-Button)	502-603-130
2682-Type	
CALL DIRECTOR® Telephone	502-603-101
2683-Type	
CALL DIRECTOR® Telephone	502-603-101
608-Type	
CALL DIRECTOR® Telephone	502-601-101
609-Type	
CALL DIRECTOR® Telephone	502-601-102
617-Type	
CALL DIRECTOR® Telephone	502-601-102
618-Type	
CALL DIRECTOR® Telephone	502-601-101
625-Type	
CALL DIRECTOR® Telephone	502-601-102
630-Type	
CALL DIRECTOR® Telephone	502-601-100
631-Type	
CALL DIRECTOR® Telephone	502-601-100
632-Type	
CALL DIRECTOR® Telephone	502-601-100
634-Type	
CALL DIRECTOR® Telephone	502-601-101
635-Type	
CALL DIRECTOR® Telephone	502-601-101
636-Type	
CALL DIRECTOR® Telephone	502-601-101
637-Type	
CALL DIRECTOR® Telephone	502-601-101
638-Type	
CALL DIRECTOR® Telephone	502-601-101
639-Type	
CALL DIRECTOR® Telephone	502-601-101
660-Type	
Card Dialer (0-1 Button)	502-601-120
660A1M	
Card Dialer	502-601-121
661-Type	
Card Dialer (6-Button)	502-601-130
662-Type	
Card Dialer (6-Button)	502-601-130

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**TELEPHONE SET (Cont)**

Telephone Set (Cont)

Reference (Cont)

662A1M		
Card Dialer	502-601-131	
663-Type		
Card Dialer (0-1 Button)	502-601-120	
664-Type		
Card Dialer (6-Button)	502-601-130	
682-Type		
CALL DIRECTOR* Telephone	502-601-101	
683-Type		
CALL DIRECTOR* Telephone	502-601-101	
752-Type		
Panel Telephone	502-705-102	
754-Type		
Panel Telephone	502-705-102	
<i>Service</i>		
1500M	SB502-581-400	
1500S	SB502-581-401	
1500Y	SB502-581-402	
1514B	SB502-581-403	
1630D		
CALL DIRECTOR* Telephone	502-611-400	
1631D		
CALL DIRECTOR* Telephone	502-611-400	
1632C		
CALL DIRECTOR* Telephone	502-611-401	
1634		
CALL DIRECTOR* Telephone	502-611-402	
1635		
CALL DIRECTOR* Telephone	502-611-402	
1636C		
CALL DIRECTOR* Telephone	502-611-403	
1637C		
CALL DIRECTOR* Telephone	502-611-403	
1638C		
CALL DIRECTOR* Telephone	502-611-404	
1639D		
CALL DIRECTOR* Telephone	502-611-404	
1660-Type		
Card Dialer	502-618-400	
1662-Type		
Card Dialer	502-618-402	
1663-Type		
Card Dialer	502-618-403	
1664-Type		
Card Dialer	502-618-404	
2514B, BM	SA502-582-404	
2526B, BM	SA502-582-415	
2630D		
CALL DIRECTOR* Telephone	KA502-612-400	
2630DA, DAM		
CALL DIRECTOR* Telephone	KA502-612-401	
2631D		
CALL DIRECTOR* Telephone	KA502-612-400	
2631DA, DAM		
CALL DIRECTOR* Telephone	KA502-612-401	
2632C		
CALL DIRECTOR* Telephone	502-612-402	
2634D		
CALL DIRECTOR* Telephone	KA502-612-403	
2634DA		
CALL DIRECTOR* Telephone	KA502-612-409	
2634DAM		
CALL DIRECTOR* Telephone	KA502-612-409	

**TELEPHONE SET (Cont)**

Telephone Set (Cont)

Service (Cont)

2635D		
CALL DIRECTOR* Telephone	KA502-612-403	
2635DA		
CALL DIRECTOR* Telephone	KA502-612-409	
2635DAM		
CALL DIRECTOR* Telephone	KA502-612-409	
2636C		
CALL DIRECTOR* Telephone	KA502-612-404	
2636CA, CAM		
CALL DIRECTOR* Telephone	KA502-612-410	
2637D		
CALL DIRECTOR* Telephone	KA502-612-404	
2637DA, DAM		
CALL DIRECTOR* Telephone	KA502-612-410	
2638C		
CALL DIRECTOR* Telephone	502-612-405	
2638CA, CAM		
CALL DIRECTOR* Telephone	502-612-411	
2639D		
CALL DIRECTOR* Telephone	502-612-405	
2639DA, DAM		
CALL DIRECTOR* Telephone	502-612-411	
2660-Type		
Card Dialer	SC502-619-400	
2660A1M		
Card Dialer	SB502-619-405	
2662-Type		
Card Dialer	SC502-619-402	
2662A1M		
Card Dialer	SC502-619-406	
2663A1		
Card Dialer	SC502-619-403	
2664-Type		
Card Dialer	502-619-404	
2682AA, AAM		
CALL DIRECTOR* Telephone	502-612-425	
2683AA, AAM		
CALL DIRECTOR* Telephone	502-612-425	
462AC	502-435-401	
466AC	502-435-401	
608B, C		
CALL DIRECTOR* Telephone	502-610-400	
609A, B		
CALL DIRECTOR* Telephone	502-610-401	
617A, B		
CALL DIRECTOR* Telephone	502-610-402	
618A, B		
CALL DIRECTOR* Telephone	502-610-400	
621A		
CALL DIRECTOR* Telephone	502-610-403	
622A		
CALL DIRECTOR* Telephone	502-610-404	
625A1		
CALL DIRECTOR* Telephone	502-610-405	
630A, B, C, D		
CALL DIRECTOR* Telephone	KA502-610-406	
630DA, DAM		
CALL DIRECTOR* Telephone	KA502-610-407	
631A, B, C, D		
CALL DIRECTOR* Telephone	KA502-610-406	
631DA, DAM		
CALL DIRECTOR* Telephone	KA502-610-407	

**TELEPHONE SET (Cont)**

Telephone Set (Cont)

Service (Cont)

632A, C	
CALL DIRECTOR® Telephone	502-610-408
634A, B, C, D	
CALL DIRECTOR® Telephone	KA502-610-409
634DA, DAM	
CALL DIRECTOR® Telephone	KA502-610-417
635A, C, D	
CALL DIRECTOR® Telephone	KA502-610-409
635DA, DAM	
CALL DIRECTOR® Telephone	KA502-610-417
636A, B, C	
CALL DIRECTOR® Telephone	KA502-610-410
636CA, CAM	
CALL DIRECTOR® Telephone	KA502-610-418
637A, B, C, D	
CALL DIRECTOR® Telephone	KA502-610-410
637DA, DAM	
CALL DIRECTOR® Telephone	KA502-610-418
637EA13	
CSRAF used with No. 1 ESS or No. 5 Crossbar	502-610-413
638A, B, C	
CALL DIRECTOR® Telephone	502-610-411
638CA, CAM	
CALL DIRECTOR® Telephone	502-610-419
639A, C, D	
CALL DIRECTOR® Telephone	502-610-411
639DA, DAM	
CALL DIRECTOR® Telephone	502-610-419
660-Type	
Card Dialer	SC502-617-400
660A1M	
Card Dialer	SC502-617-405
661-Type	
Card Dialer	502-617-401
662-Type	
Card Dialer	SC502-617-402
662A1M	
Card Dialer	SC502-617-406
663-Type	
Card Dialer	SC502-617-403
664-Type	
Card Dialer	502-617-404
682AA, AAM	
CALL DIRECTOR® Telephone	502-610-412
683AA, AAM	
CALL DIRECTOR® Telephone	502-610-412

TOUCH-A-MATIC® Automatic Dialer

Connections

F-59796	
TOUCH-A-MATIC® Automatic Dialer	SA503-701-100
F-59797	
TOUCH-A-MATIC® Automatic Dialer	SA503-701-100
F-59798	
TOUCH-A-MATIC® Automatic Dialer	SA503-701-100
F-59799	
TOUCH-A-MATIC® Automatic Dialer	SA503-701-100

**TELEPHONE SET (Cont)**

TOUCH-A-MATIC® Automatic Dialer (Cont)

Connections (Cont)

F-60208	
TOUCH-A-MATIC® Automatic Dialer	SA503-701-100
F-60209	
TOUCH-A-MATIC® Automatic Dialer	SA503-701-100
F-60210	
TOUCH-A-MATIC® Automatic Dialer	SA503-701-100
F-60211	
TOUCH-A-MATIC® Automatic Dialer	SA503-701-100
2870A1M	
TOUCH-A-MATIC® Automatic Dialer	SC503-300-101
2870A2M	
TOUCH-A-MATIC® Automatic Dialer	SC503-300-101
870A1M	
TOUCH-A-MATIC® Automatic Dialer	SC503-300-100
870A2M	
TOUCH-A-MATIC® Automatic Dialer	SC503-300-100
Identification	
F-59796	
TOUCH-A-MATIC® Automatic Dialer	SA503-701-100
F-59797	
TOUCH-A-MATIC® Automatic Dialer	SA503-701-100
F-59798	
TOUCH-A-MATIC® Automatic Dialer	SA503-701-100
F-59799	
TOUCH-A-MATIC® Automatic Dialer	SA503-701-100
F-60208	
TOUCH-A-MATIC® Automatic Dialer	SA503-701-100
F-60209	
TOUCH-A-MATIC® Automatic Dialer	SA503-701-100
F-60210	
TOUCH-A-MATIC® Automatic Dialer	SA503-701-100
F-60211	
TOUCH-A-MATIC® Automatic Dialer	SA503-701-100
2870A1M	
TOUCH-A-MATIC® Automatic Dialer	SC503-300-101
2870A2M	
TOUCH-A-MATIC® Automatic Dialer	SC503-300-101
870A1M	
TOUCH-A-MATIC® Automatic Dialer	SC503-300-100
870A2M	
TOUCH-A-MATIC® Automatic Dialer	SC503-300-100

**SECTION 460-000-006**

**TELEPHONE SET (Cont)**

**TOUCH-A-MATIC® Automatic Dialer (Cont)**

*Installation*

F-59796	TOUCH-A-MATIC® Automatic Dialer	SA503-701-100
F-59797	TOUCH-A-MATIC® Automatic Dialer	SA503-701-100
F-59798	TOUCH-A-MATIC® Automatic Dialer	SA503-701-100
F-59799	TOUCH-A-MATIC® Automatic Dialer	SA503-701-100
F-60208	TOUCH-A-MATIC® Automatic Dialer	SA503-701-100
F-60209	TOUCH-A-MATIC® Automatic Dialer	SA503-701-100
F-60210	TOUCH-A-MATIC® Automatic Dialer	SA503-701-100
F-60211	TOUCH-A-MATIC® Automatic Dialer	SA503-701-100
2870A1M	TOUCH-A-MATIC® Automatic Dialer	SC503-300-101
2870A2M	TOUCH-A-MATIC® Automatic Dialer	SC503-300-101
870A1M	TOUCH-A-MATIC® Automatic Dialer	SC503-300-100
870A2M	TOUCH-A-MATIC® Automatic Dialer	SC503-300-100

*Maintenance*

F-59796	TOUCH-A-MATIC® Automatic Dialer	SA503-701-100
F-59797	TOUCH-A-MATIC® Automatic Dialer	SA503-701-100
F-59798	TOUCH-A-MATIC® Automatic Dialer	SA503-701-100
F-59799	TOUCH-A-MATIC® Automatic Dialer	SA503-701-100
F-60208	TOUCH-A-MATIC® Automatic Dialer	SA503-701-100
F-60209	TOUCH-A-MATIC® Automatic Dialer	SA503-701-100
F-60210	TOUCH-A-MATIC® Automatic Dialer	SA503-701-100
F-60211	TOUCH-A-MATIC® Automatic Dialer	SA503-701-100

**TELEPHONE SET (Cont)**

**TOUCH-A-MATIC® Automatic Dialer (Cont)**

*Maintenance (Cont)*

2870A1M	TOUCH-A-MATIC® Automatic Dialer	SC503-300-101
2870A2M	TOUCH-A-MATIC® Automatic Dialer	SC503-300-101
870A1M	TOUCH-A-MATIC® Automatic Dialer	SC503-300-100
870A2M	TOUCH-A-MATIC® Automatic Dialer	SC503-300-100

*Operation*

F-59796	TOUCH-A-MATIC® Automatic Dialer	SA503-701-100
F-59797	TOUCH-A-MATIC® Automatic Dialer	SA503-701-100
F-59798	TOUCH-A-MATIC® Automatic Dialer	SA503-701-100
F-59799	TOUCH-A-MATIC® Automatic Dialer	SA503-701-100
F-60208	TOUCH-A-MATIC® Automatic Dialer	SA503-701-100
F-60209	TOUCH-A-MATIC® Automatic Dialer	SA503-701-100
F-60210	TOUCH-A-MATIC® Automatic Dialer	SA503-701-100
F-60211	TOUCH-A-MATIC® Automatic Dialer	SA503-701-100
870A1M	TOUCH-A-MATIC® Automatic Dialer	SC503-300-100
870A2M	TOUCH-A-MATIC® Automatic Dialer	SC503-300-100

**TOUCH-A-MATIC® Set**

*Connections*

2872A1M	TOUCH-A-MATIC® Set	SC503-603-101
2872A2M	TOUCH-A-MATIC® Set	SC503-603-101
872A1M	TOUCH-A-MATIC® Set	SC503-603-102

*Identification*

2872A1M	TOUCH-A-MATIC® Set	SC503-603-101
2872A2M	TOUCH-A-MATIC® Set	SC503-603-101
872A1M	TOUCH-A-MATIC® Set	SC503-603-102

*Installation*

2872A1M	TOUCH-A-MATIC® Set	SC503-603-101
2872A2M	TOUCH-A-MATIC® Set	SC503-603-101

**TELEPHONE SET (Cont)****TOUCH-A-MATIC® Set (Cont)***Installation (Cont)*

872A1M  
TOUCH-A-MATIC® Set SC503-603-102

*Maintenance*

2872A1M  
TOUCH-A-MATIC® Set SC503-603-101

2872A2M  
TOUCH-A-MATIC® Set SC503-603-101

872A1M  
TOUCH-A-MATIC® Set SC503-603-102

*Operation*

2872A1M  
TOUCH-A-MATIC® Set SC503-603-101

2872A2M  
TOUCH-A-MATIC® Set SC503-603-101

872A1M  
TOUCH-A-MATIC® Set SC503-603-102

**TOUCH-A-MATIC® 16 Set***Connections*

2960A01M  
TOUCH-A-MATIC® Set SC503-301-101

*Identification*

2960A01M  
TOUCH-A-MATIC® Set SC503-301-101

*Installation*

2960A01M  
TOUCH-A-MATIC® Set SC503-301-101

*Maintenance*

2960A01M  
TOUCH-A-MATIC® Set SC503-301-101

*Operation*

2960A01M  
TOUCH-A-MATIC® Set SC503-301-101

*Connections*

960A01M  
TOUCH-A-MATIC® Set SC503-301-100

*Identification*

960A01M  
TOUCH-A-MATIC® Set SC503-301-100

*Installation*

960A01M  
TOUCH-A-MATIC® Set SC503-301-100

*Maintenance*

960A01M  
TOUCH-A-MATIC® Set SC503-301-100

*Operation*

960A01M  
TOUCH-A-MATIC® Set SC503-301-100

**Two Line-1 Button***Common Installation and Maintenance*

*Information* 502-500-110

*Reference*

1502-Type 502-502-102

1510-Type 502-502-102

1511-Type 502-502-102

1515-Type 502-502-102

1555-Type 502-502-102

1558-Type 502-502-102

1702D

PRINCESS® Telephone 502-702-103

1712B

PRINCESS® Telephone 502-702-101

**TELEPHONE SET (Cont)****Two Line-1 Button (Cont)***Reference (Cont)*

1713B  
PRINCESS® Telephone 502-702-103

1751-Type  
Panel Telephone 502-706-101

1753-Type  
Panel Telephone 502-706-103

2502-Type 502-503-102

2510-Type 502-503-102

2511-Type 502-503-102

2515-Type 502-503-102

2555-Type 502-503-102

2558-Type 502-503-102

2702D, DM

PRINCESS® Telephone 502-703-103

2712B, BM

PRINCESS® Telephone 502-703-101

2713B, BM

PRINCESS® Telephone 502-703-103

2751-Type

Panel Telephone 502-707-101

2753-Type

Panel Telephone 502-707-103

502 502-501-102

510 502-501-102

511 502-501-102

515 502-501-102

555 502-501-102

558 502-501-102

751A/B

Panel Telephone 502-705-101

753-Type

Panel Telephone 502-705-103

*Selection**Service*

1510F SB502-532-402

1511D SB502-532-403

1511F/H SB502-532-408

1515B SB502-532-409

1520B SB502-532-401

1555B SB502-532-410

1558D SB502-532-411

1712B

PRINCESS® Telephone SB502-725-401

1713B

PRINCESS® Telephone SB502-728-402

1751C, D

Panel Telephone SB502-734-401

1753A, B

Panel Telephone SB502-740-401

2502B, BM SA502-533-401

2510F, FM SA502-533-402

2511F SA502-533-403

2511H, HM SA502-533-403

2515B, BM SA502-533-404

2555B, BM, BMP SA502-533-405

2558D, DM SA502-533-406

2712B, BM

PRINCESS® Telephone SA502-726-401

2713B, BM

PRINCESS® Telephone SA502-729-402

2751C, D

Panel Telephone SA502-735-401

**SECTION 460-000-006**

**TELEPHONE SET (Cont)**

Two Line-1 Button (Cont)

Service (Cont)

2753A, B

Panel Telephone

502A/B

502BM

510A, B, E, F

510FM

511A/B

511C/D

511F

511H, HM

515B, BM

555B, BM, BMP

558A/B

558C/D

558F, FM

712B, BM

PRINCESS® Telephone

751-Type

Panel Telephone

753A, B

Panel Telephone

Wall Type (10-button)

Connections

2852A, AM

852A, AM

Identification

2852A, AM

852A, AM

Installation

2852A, AM

852A, AM

Maintenance

2852A, AM

852A, AM

Wall Type (6-Button)

Connections

2851-Type

851-Type

Identification

2851-Type

851-Type

Installation

2851-Type

851-Type

Maintenance

2851-Type

851-Type

**TELEPHONE SET BASE**

Telephone Set Base (5000AM)

Connections

Identification

Installation

Maintenance

Transaction Set Base (5000AM)

Used with 220- or 2220-Type

Hand Telephone Set

5000AM Transaction I

Telephone Set Base (5100AM)

Connections

Identification

Installation

Maintenance

Transaction Set Base (5100AM)

SA502-741-401

SA502-531-401

SA502-531-401

SA502-531-402

SA502-531-402

SB502-531-403

SB502-531-404

SA502-531-405

SA502-531-405

SA502-531-406

SA502-531-407

SA502-531-408

SA502-531-409

SB502-531-410

SA502-724-401

SA502-733-401

SA502-739-401

503-701-102

503-701-102

503-701-102

503-701-102

503-701-102

503-701-102

503-701-102

503-701-102

KA503-601-101

KA503-601-101

KA503-601-101

KA503-601-101

KA503-601-101

KA503-601-101

KA503-601-101

KA503-601-101

SC502-323-400

SC502-323-400

SC502-323-400

SC502-323-401

**TELEPHONE SET BASE (Cont)**

Telephone Set Base (5100AM) (Cont)

Maintenance (Cont)

Used with 220- or 2220-Type

Hand Telephone Set

5100AM Transaction

Telephone Set Base (5100BM)

Connections

Identification

Installation

Maintenance

Transaction Set Base (5100BM)

With 220- or 2220-Type Hand

Telephone Set—Used With or

Without 5000A Printer

5100BM Transaction

**TELEPHONE SET BASES**

Connections

Identification

Installation

Maintenance

Kit Plan

581A

**TELEPHONE SET COMPONENTS**

Connections

Customer Provided Housing

F-56659

F-56660

Customer-Owned Enclosures

Amplifiers

Cord Reels

Dial Mounting

Dials

Handset

Key Mounting

Keys

Line Switches

Loudspeaker

Network

Ringers

Transmitter

General

Customer Provided Housing

F-56659

F-56660

Identification

Customer Provided Housing

F-56659

F-56660

Customer-Owned Enclosures

Amplifiers

Cord Reels

Dial Mounting

Dials

Handset

Key Mounting

Keys

Line Switches

Loudspeaker

Network

Ringers

Transmitter

Installation

Customer Provided Housing

F-56659

F-56660

SC502-323-401

SC502-323-401

502-323-403

502-323-403

502-323-403

503-100-110

SA503-100-120

501-410-101

501-410-101

501-420-102

501-420-101

501-420-101

501-420-101

501-420-101

501-420-101

501-420-101

501-420-101

501-420-102

501-420-102

501-420-102

501-420-102

SA501-410-400

SA501-410-400

501-410-101

501-410-101

501-420-102

501-420-102

501-420-101

501-420-101

501-420-102

501-420-101

501-420-101

501-420-101

501-420-102

501-420-102

501-420-102

501-420-102

501-410-101

501-410-101



**TELEPHONE SET COMPONENTS (Cont)***Installation (Cont)*

Customer-Owned Enclosures	
Amplifiers	501-420-102
Cord Reels	501-420-102
Dial Mounting	501-420-101
Dials	501-420-101
Handset	501-420-102
Key Mounting	501-420-101
Keys	501-420-101
Line Switches	501-420-101
Loudspeaker	501-420-102
Network	501-420-102
Ringers	501-420-102
Transmitter	501-420-102

*Maintenance*

Customer Provided Housing	
F-56659	501-410-101
F-56660	501-410-101

*Customer-Owned Enclosures*

Amplifiers	501-420-102
Cord Reels	501-420-102
Dial Mounting	501-420-101
Dials	501-420-101
Handset	501-420-102
Key Mounting	501-420-101
Keys	501-420-101
Line Switches	501-420-101
Loudspeaker	501-420-102
Network	501-420-102
Ringers	501-420-102
Transmitter	501-420-102

**TELEPHONE SET JACKS; OPERATORS—SEE****OPERATORS TELEPHONE SET JACKS****TELEPHONE SET; ELEVATOR—SEE ELEVATOR****TELEPHONE SET****TELEPHONE SET; HAND—SEE HAND TELEPHONE SET****TELEPHONE SET; KEY—SEE KEY TELEPHONE SET****TELEPHONE SET; NONCOIN—SEE NONCOIN****TELEPHONE SET****TELEPHONE SET; REPORTING—SEE REPORTING****TELEPHONE SET****TELEPHONE SET, 2626A1***Description*

307 Switching System	480-714-105
----------------------	-------------

**TELEPHONE SET, 2626A1; KEY—SEE KEY****TELEPHONE SET, 2626A1****TELEPHONE SET, 6-BUTTON; KEY—SEE KEY****TELEPHONE SET, 6-BUTTON****TELEPHONE SETS***Methods of Operation (Small 2B ACD Attendant Application)*

2B Automatic Call Distributing System	476-270-303
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**TELEPHONE SETS (832- OR 2832-TYPE)***Arrangement*

580A Key Service Unit	KC518-450-103
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**TELEPHONE SETS AND ASSOCIATED STATION****APPARATUS**

<i>Selection of Indoor Locations</i>	502-120-200
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**TELEPHONE SETS AND BASES (LESS HOUSINGS)**

<i>Connections</i>	501-415-101
<i>Identification</i>	501-415-101

**TELEPHONE SETS AND BASES (LESS (Cont)***Installation*

501-415-101

*Maintenance*

501-415-101

*Selection*

501-415-101

**TELEPHONE SETS; COIN—SEE COIN****TELEPHONE SETS****TELEPHONE SETS; HEAD—SEE HEAD****TELEPHONE SETS****TELEPHONE SETS; NONKEY—SEE NONKEY****TELEPHONE SETS****TELEPHONE SETS; OPERATOR—SEE OPERATOR****TELEPHONE SETS****TELEPHONE SHELF; COIN—SEE COIN****TELEPHONE SHELF****TELEPHONE STATION SET***Method of Operation*

800A Private Branch Exchange

553-118-300

**TELEPHONE STATION; VIDEO—SEE VIDEO****TELEPHONE STATION****TELEPHONE STATIONS; COIN—SEE COIN****TELEPHONE STATIONS****TELEPHONE SYSTEM; CONFERENCE—SEE****CONFERENCE TELEPHONE SYSTEM****TELEPHONE SYSTEM; KEY—SEE KEY****TELEPHONE SYSTEM****TELEPHONE SYSTEMS; KEY—SEE KEY****TELEPHONE SYSTEMS****TELEPHONE TEST SET (J53054A)***Calibration**Identification**Installation**Maintenance**Operation*

Test Set

105-290-100

**TELEPHONE UNIT; KEY—SEE KEY TELEPHONE UNIT****TELEPHONE UNITS; KEY—SEE KEY TELEPHONE UNITS****TELEPHONE WARNING SYSTEM**

## 1A

*Connections*

480-315-100

*General Description*

981-200-100

*Identification*

480-315-100

*Installation*

480-315-100

*Maintenance*

480-315-100

*Tests*

480-315-500

**TELEPHONE; PANEL—SEE PANEL TELEPHONE****TELEPHONE; PUBLIC—SEE PUBLIC****TELEPHONE****TELEPHONES; COIN—SEE COIN TELEPHONES****TELETRAINER***Description*

Carrying Cases, KS-16606

473-411-100

KS-16161

473-410-100

KS-16605

473-411-100

KS-21764

473-411-101

*Maintenance*

Carrying Cases, KS-16606

473-411-100

KS-16161

473-410-100

KS-16605

473-411-100

KS-21764

473-411-101

*Operation*

KS-16161

473-410-100

KS-21764

473-411-101

**TERMINAL BOX; CABLE—SEE CABLE TERMINAL BOX**

**SECTION 460-000-006**

**TERMINAL SET**

Terminal Set (5000A)  
*Identification*  
*Installation*  
*Maintenance*  
*Testing*  
 Transaction Terminal Set  
 (5000A) SC502-323-402  
 Used With and Without 5000A  
 Printer SC502-323-402  
 5000A Transaction SC502-323-402

**TERMINAL SET (5000A); TRANSACTION—SEE TRANSACTION TERMINAL SET (5000A)**

**TERMINAL; WIRE—SEE WIRE TERMINAL TERMINALS**

Outdoor  
*Wiring* SB461-619-101  
 Terminals  
*Cross Connecting* 461-618-201  
*Wiring* 461-618-201

**TERMINALS PUNCHED- OR WIRE-TYPE**

*Method of Making and Removing  
 Wrapped Connections* 069-132-811

**TERMINATION UNIT**

1A  
*Identification* 501-380-100  
*Installation* 501-380-100

**TERMINATION; INTERFACE—SEE INTERFACE**

**TERMINATION**

**TEST CIRCUIT (SD-67118-01)**

*Operational Test*  
 758C Switching System 551-566-500

**TEST CIRCUITS**

*Operation Tests*  
 812A Private Branch Exchange 553-212-500

**TEST EQUIPMENT PBX**

*Description*  
 PBX-ANI Data Link Test Set 105-602-101  
 Test Set PBX Cord Circuit  
 (SD-66484-01, J54703A) 105-600-101

*Operation*  
 PBX-ANI Data Link Test Set 105-602-101

*Operation Tests*  
 Converter Solid State 105-601-501  
 Test Set Receiver (SD-66890-01,  
 J58847M) 105-601-501

**TEST EQUIPMENT STATION**

Checker Loop 24A 105-280-100  
 Test Set (KS-16990, L1) 105-270-100  
 Test Set 81A 105-240-100

**TEST FACILITIES**

*Method of Operation*  
 850A Private Branch Exchange 553-800-301

**TEST FACILITIES AND TEST CALLS**

*Method of Operation*  
 756A Private Branch Exchange 551-150-209  
 770A Private Branch Exchange 551-770-303  
 800A Private Branch Exchange 553-122-300  
 805A Private Branch Exchange 553-205-301  
 812A Private Branch Exchange 553-212-301

**TEST LINE CIRCUIT (SD-73099-01);**

**DIGITAL—SEE DIGITAL TEST LINE CIRCUIT (SD-73099-01)**

**TEST LINE CIRCUIT; COIN—SEE COIN TEST LINE CIRCUIT**

**TEST PROBE**

*Identification*  
*Maintenance*  
*Operation*  
 AT-8629 105-241-100

**TEST SET**

*Calibration*  
 Telephone Test Set (J53054A) 105-290-100

*Description*  
 139-Type (Line Tone Emitter) 105-242-100

*Identification*  
 Telephone Test Set (J53054A) 105-290-100  
 145A 105-245-100

*Installation*  
 Telephone Test Set (J53054A) 105-290-100

*Maintenance*  
 Telephone Test Set (J53054A) 105-290-100  
 139-Type (Line Tone Emitter) 105-242-100  
 145A 105-245-100

*Operation*  
 Telephone Test Set (J53054A) 105-290-100  
 139-Type (Line Tone Emitter) 105-242-100  
 145A 105-245-100

**TEST SET (J53054A); TELEPHONE—SEE**

**TELEPHONE TEST SET (J53054A)**

**TEST SET (KS-16990, L1)**  
 Test Equipment Station 105-270-100

**TEST SET (KS-21055 NATIS)**

*Description*  
*Installation*  
*Maintenance*  
*Tests*  
 Automatic Call Distributing  
 System 476-100-101

**TEST SET PBX CORD CIRCUIT**

**(SD-66484-01, J54703A)**

*Description*  
 Test Equipment PBX 105-600-101

**TEST SET RECEIVER (SD-66890-01, J58847M)**

*Operation Tests*  
 Test Equipment PBX 105-601-501

**TEST SET SYSTEM STATUS INDICATOR**

**(KS-21194)**

*Identification*  
*Operation*  
*Tests*  
 800A Private Branch Exchange 553-010-301  
 801A Private Branch Exchange 553-010-301

**TEST SET 81A**

Test Equipment Station 105-240-100

**TEST TRUNK CIRCUIT**

*Installation*  
*Maintenance*  
 800A (Electronic-Type) Private  
 Branch Exchange 553-010-310  
 801A (Electronic-Type) Private  
 Branch Exchange 553-010-310

**TESTING MANHOLE ATMOSPHERE**

*General* 620-140-501

**TESTS; PULSING—SEE PULSING TESTS**

**TIE LINES; TRUNKS AND—SEE TRUNKS AND TIE LINES**

**TIE TRUNK**

HJ12 Repeater (SD-1E501-01)  
*Description and Tests* 534-364-100

<b>TIE TRUNK (Cont)</b>			
HJ12 Repeater (SD-1E501-01) (Cont)			
Method for Generating Perscription			
Setting for Equalization and Gain			
When Used with Another HJ12			
Repeater or Metallic Facility			
Terminal Repeater			
Nonloaded and Loaded Cable			
Facilities	534-364-180		
<b>TIE TRUNK (J58824BC, J58824BY,</b>			
<b>SD-65718-01)</b>			
General Installation Procedures			
Identification			
PBX Systems	534-364-211		
<b>TIE TRUNK (J59204, SD-1E500-01,</b>			
<b>SD-1E500-02); ELECTRONIC—SEE</b>			
<b>ELECTRONIC TIE TRUNK (J59204,</b>			
<b>SD-1E500-01, SD-1E500-02)</b>			
<b>TIE TRUNK (SD-65718-02)</b>			
General Installation Procedures			
Identification			
PBX Systems	534-364-210		
<b>TIE TRUNK (SD-65755-01)</b>			
Circuit Tests			
756A Private Branch Exchange	551-194-501		
Operation Tests			
801A Private Branch Exchange	553-201-500		
<b>TIE TRUNK (SD-65756-01)</b>			
Operation Tests			
756A Private Branch Exchange	551-195-501		
<b>TIE TRUNK ACCESS CIRCUIT</b>			
<b>(SD-1E053-01)</b>			
Operation Tests			
Common Group TOUCH-TONE®			
Calling Equipment with Crossbar			
Link Access Private Branch			
Exchange	540-702-502		
<b>TIE TRUNK CIRCUIT (SD-65718-01 AND</b>			
<b>SD-66799-01)</b>			
Pulsing Tests and Requirements			
using Pulse Repeating Test Set			
(SD-31667-01, J34720A) and Pulsing			
Test Set (SD-31481-01, J34717A)			
Step-by-Step and Crossbar Type			
Private Branch Exchange	534-364-501		
<b>TIE TRUNK CIRCUIT (SD-65825-01);</b>			
<b>RINGDOWN—SEE RINGDOWN TIE TRUNK</b>			
<b>CIRCUIT (SD-65825-01)</b>			
<b>TIE TRUNK CIRCUIT (SD-66765-01);</b>			
<b>AUXILIARY—SEE AUXILIARY TIE TRUNK</b>			
<b>CIRCUIT (SD-66765-01)</b>			
<b>TIE TRUNK CIRCUIT 2-WAY 4-WIRE</b>			
<b>(SD-67050-01)</b>			
Tests			
758C Private Branch Exchange	551-545-500		
<b>TIE TRUNK CIRCUITS</b>			
General Descriptive Information			
Private Branch Exchange	981-010-100		
<b>TIE TRUNK CIRCUITS (SD-65718-01,</b>			
<b>SD-65718-02, AND SD-66799-01)</b>			
Pulsing Test and Requirements using			
2B-1 Signaling Test Set			
(SD-56134-02, J64730B) and			
Associated Pulse Repeating Adapter			
<b>TIE TRUNK CIRCUITS (SD-65718-01, (Cont)</b>			
<i>Pulsing Test and Requirements using (Cont)</i>			
<i>(SD-56134-02, J64730D)</i>			
Step-By-Step and Crossbar-Type			
PBX	534-364-502		
<b>TIE TRUNK UNIT (J59013H, L2)</b>			
Connections			
Identification			
Installation			
557A Private Branch Exchange	473-601-201		
<b>TIE TRUNK UNIT (J59013J);</b>			
<b>AUTOMATIC—SEE AUTOMATIC TIE TRUNK UNIT</b>			
<b>(J59013J)</b>			
<b>TIE TRUNK; RINGDOWN—SEE RINGDOWN TIE</b>			
<b>TRUNK</b>			
<b>TIE TRUNKS</b>			
HJ12 Repeater (SD-1E504-01)			
Method for Generating Perscription			
Settings for Equalization and Gain			
When Used with Repeaters and Other			
Cable Terminating Equipment Which			
Uses V4 Equalization Techniques			
Nonloaded Cable Facility	534-364-181		
<b>TIE TRUNKS; TRUNKS AND—SEE TRUNKS AND</b>			
<b>TIE TRUNKS</b>			
<b>TIE-LINE AND CONTROL SERVICES</b>			
Service			
1A Key Telephone Systems	KB518-112-421		
<b>TIMING CIRCUIT (SD-67015-01)</b>			
Operation Tests			
758B Private Branch Exchange	551-438-501		
<b>TOGGLE BOLT</b>			
General	080-720-116		
<b>TOGGLE RING; BRIDLE—SEE BRIDLE TOGGLE</b>			
<b>RING</b>			
<b>TONE DETECTOR</b>			
Identification			
1A350	501-166-100		
<b>TONE DETECTOR (AUTOVON);</b>			
<b>PREEMPTION—SEE PREEMPTION TONE</b>			
<b>DETECTOR (AUTOVON)</b>			
<b>TONE FIRST-MULTISLOT; DIAL—SEE DIAL</b>			
<b>TONE FIRST-MULTISLOT</b>			
<b>TONE SPEED MEASURING CIRCUIT</b>			
<b>(SD-73103-01); DIAL—SEE DIAL TONE</b>			
<b>SPEED MEASURING CIRCUIT (SD-73103-01)</b>			
<b>TONE TRUNK CIRCUIT (SD-67052-01)</b>			
Operation Test			
758C Private Branch Exchange	551-549-500		
<b>TONE TRUNK; BUSY—SEE BUSY TONE TRUNK</b>			
<b>TONE, AND ANNOUNCEMENT TRUNKS;</b>			
<b>INTERCEPTING,—SEE INTERCEPTING, TONE,</b>			
<b>AND ANNOUNCEMENT TRUNKS</b>			
<b>TOOL (PORTABLE PLUG CLEANING</b>			
<b>MACHINES)</b>			
Piece-Part Data and Replacement			
Procedures			
D-159798	075-125-801		
497A	075-125-801		
497B	075-125-801		
Requirements and Adjusting			
Procedures			
497A	075-125-701		
497B	075-125-701		
<b>TOOL; CONNECTING—SEE CONNECTING TOOL</b>			
<b>TOOL; IMPACT—SEE IMPACT TOOL</b>			

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**TOOLS**

Axes	
Description	081-745-102
Binding Post Cutter	
Description	
B	081-760-115
Bits Wood Boring	
Description	081-745-105
Use	081-745-105
Braid Stripper	
Description	081-760-100
Maintenance	081-760-100
Crimper Clip	
Description	
B	081-760-111
Drill Holders	
Description	081-745-111
Use	081-745-111
Drill Masonry L	
Description	081-745-111
Use	081-745-111
Hammers	
Description	081-745-102
Hand-Operated Masonry Drive	
Description	081-745-113
Use	081-745-113
Hatchets	
Description	081-745-102
Slitter Sleeve Lead B	
Description	081-780-105
Tools	
General	
Coin Telephone Stations	CA506-100-103

**TOOLS; HAND—SEE HAND TOOLS**

**TOP**

Connections	
1D/2D-Type	
Coin Telephone Sets (DTF only) Coin Telephone Sets	506-410-402
Conversion	
1D/2D-Type	
Coin Telephone Sets (DTF only) Coin Telephone Sets	506-410-402
Installation	
1D/2D-Type	
Coin Telephone Sets (DTF only) Coin Telephone Sets	506-410-402
756A Private Branch Exchange	551-100-100
Maintenance	
1D/2D-Type	
Coin Telephone Sets (DTF only) Coin Telephone Sets	506-410-402
Repair	
756A Private Branch Exchange	551-100-101
Test	
756A Private Branch Exchange	551-100-100

**TOUCH-A-MATIC® ADJUNCT DIAL**

Adjunct Dials	
Connections	
Identification	
Installation	
Maintenance	
Operation	
2870A1	SC501-164-201
2870B1M	SC501-164-202
870A1	SC501-164-201

**TOUCH-A-MATIC® ADJUNCT DIAL (Cont)**

Adjunct Dials (Cont)	
Operation (Cont)	
870B1M	SC501-164-202

**TOUCH-A-MATIC® AUTOMATIC DIALER**

Connections		
F-59796	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SA503-701-100
F-59797	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SA503-701-100
F-59798	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SA503-701-100
F-59799	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SA503-701-100
F-60208	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SA503-701-100
F-60209	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SA503-701-100
F-60210	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SA503-701-100
F-60211	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SA503-701-100
2870A1M	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SC503-300-101
2870A2M	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SC503-300-101
870A1M	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SC503-300-100
870A2M	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SC503-300-100
Identification		
F-59796	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SA503-701-100
F-59797	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SA503-701-100
F-59798	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SA503-701-100
F-59799	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SA503-701-100
F-60208	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SA503-701-100
F-60209	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SA503-701-100
F-60210	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SA503-701-100

**TOUCH-A-MATIC® AUTOMATIC DIALER (Cont)***Identification (Cont)*

F-60211	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SA503-701-100
2870A1M	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SC503-300-101
2870A2M	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SC503-300-101
870A1M	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SC503-300-100
870A2M	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SC503-300-100

*Installation*

F-59796	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SA503-701-100
F-59797	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SA503-701-100
F-59798	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SA503-701-100
F-59799	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SA503-701-100
F-60208	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SA503-701-100
F-60209	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SA503-701-100
F-60210	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SA503-701-100
F-60211	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SA503-701-100
2870A1M	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SC503-300-101
2870A2M	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SC503-300-101
870A1M	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SC503-300-100
870A2M	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SC503-300-100

*Maintenance*

F-59796	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SA503-701-100
F-59797	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SA503-701-100
F-59798	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SA503-701-100

**TOUCH-A-MATIC® AUTOMATIC DIALER (Cont)***Maintenance (Cont)*

F-59799	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SA503-701-100
F-60208	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SA503-701-100
F-60209	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SA503-701-100
F-60210	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SA503-701-100
F-60211	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SA503-701-100
2870A1M	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SC503-300-101
2870A2M	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SC503-300-101
870A1M	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SC503-300-100
870A2M	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SC503-300-100

*Operation*

F-59796	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SA503-701-100
F-59797	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SA503-701-100
F-59798	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SA503-701-100
F-59799	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SA503-701-100
F-60208	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SA503-701-100
F-60209	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SA503-701-100
F-60210	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SA503-701-100
F-60211	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SA503-701-100
870A1M	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SC503-300-100
870A2M	TOUCH-A-MATIC® Automatic Dialer Telephone Set	SC503-300-100

**TOUCH-A-MATIC® SET***Connections*

2872A1M	TOUCH-A-MATIC® Set Telephone Set	SC503-603-101
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**TOUCH-A-MATIC® SET (Cont)**

*Connections (Cont)*

2872A2M  
TOUCH-A-MATIC® Set Telephone Set SC503-603-101  
872A1M

TOUCH-A-MATIC® Set Telephone Set SC503-603-102

*Identification*

2872A1M  
TOUCH-A-MATIC® Set Telephone Set SC503-603-101  
2872A2M

TOUCH-A-MATIC® Set Telephone Set SC503-603-101  
872A1M

TOUCH-A-MATIC® Set Telephone Set SC503-603-102

*Installation*

2872A1M  
TOUCH-A-MATIC® Set Telephone Set SC503-603-101  
2872A2M

TOUCH-A-MATIC® Set Telephone Set SC503-603-101  
872A1M

TOUCH-A-MATIC® Set Telephone Set SC503-603-102

*Maintenance*

2872A1M  
TOUCH-A-MATIC® Set Telephone Set SC503-603-101  
2872A2M

TOUCH-A-MATIC® Set Telephone Set SC503-603-101  
872A1M

TOUCH-A-MATIC® Set Telephone Set SC503-603-102

*Operation*

2872A1M  
TOUCH-A-MATIC® Set Telephone Set SC503-603-101  
2872A2M

TOUCH-A-MATIC® Set Telephone Set SC503-603-101  
872A1M

TOUCH-A-MATIC® Set Telephone Set SC503-603-102

**TOUCH-A-MATIC® SET**

*Connections*

*Identification*

*Installation*

*Maintenance*

*Operation*

2960A01M  
TOUCH-A-MATIC® 16 Set Telephone Set SC503-301-101

*Connections*

*Identification*

*Installation*

*Maintenance*

*Operation*

960A01M  
TOUCH-A-MATIC® 16 Set Telephone Set SC503-301-100

**TOUCH-TONE® ADAPTERS**

*Reference*

1A1 Key Telephone Systems KB518-114-116

**TOUCH-TONE® CALLING**

TOUCH-TONE® Calling Receiver

*General Description*

C-Type 981-011-105

G1 981-011-106

*General Descriptive Information*

For PBX Systems 981-011-100

*General Information*

A2-Type 981-011-104

A3-Type 981-011-104

**TOUCH-TONE® CALLING EQUIPMENT**

*Connections*

756A Private Branch Exchange 551-107-210

757A Private Branch Exchange 551-232-210

800A Private Branch Exchange 553-105-216

801A Private Branch Exchange 553-201-201

812A Private Branch Exchange 553-212-202

*Identification*

756A Private Branch Exchange 551-107-210

757A Private Branch Exchange 551-232-210

800A Private Branch Exchange 553-105-216

801A Private Branch Exchange 553-201-201

812A Private Branch Exchange 553-212-202

*Installation*

756A Private Branch Exchange 551-107-210

757A Private Branch Exchange 551-232-210

800A Private Branch Exchange 553-105-216

801A Private Branch Exchange 553-201-201

812A Private Branch Exchange 553-212-202

*Installation Tests*

812A Private Branch Exchange 553-212-202

*Service Options*

812A Private Branch Exchange 553-212-202

**TOUCH-TONE® CALLING RECEIVER**

(SD-67027-01 OR SD-98148-01)

*Operation Tests*

Step-By-Step Private Branch Exchange 540-702-501

**TOUCH-TONE® RECEIVER (SD-98148-01)**

*Operation Tests—Using Converter*

Test Circuit J58839N (SD-67017-01)

758B Private Branch Exchange 551-436-501

**TOUCH-TONE® RECEIVER CIRCUIT (TYPE**

**A, SENIOR, SD-98148-01)**

*Operation Tests*

Common Group TOUCH-TONE® Calling Equipment with Crossbar Link Access Private Branch Exchange 540-702-502

**TOUCH-TONE® RECEIVER CIRCUIT (TYPE**

**C, JUNIOR, SD-67027-01)**

*Operation Tests*

Common Group TOUCH-TONE® Calling Equipment with Crossbar Link Access Private Branch Exchange 540-702-502

**TOUCH-TONE® TEST CIRCUIT**

(SD-67083-01)

*Operation Tests*

758C Private Branch Exchange 551-550-500

<b>TOUCH-TONE® TRUNK FINDER</b> (SD-67020-01)			
<i>Operation Tests</i>			
758B Private Branch Exchange	551-434-501		
<b>TRAFFIC AND TROUBLE REGISTERS</b>			
<i>Operation Test</i>			
758A/B Switching System	551-470-508		
<i>Operation Tests</i>			
756A Private Branch Exchange	551-179-501		
758A Private Branch Exchange	551-466-501		
758B Private Branch Exchange	551-466-501		
<b>TRAFFIC MEASUREMENT SYSTEM NO. 1A</b>			
<i>Circuit Tests</i>			
Remote Scanner and Encoder			
756A Private Branch Exchange	551-174-501		
757A Private Branch Exchange	551-274-501		
<i>Connections</i>			
Remote Scanner and Encoder			
756A Private Branch Exchange	551-174-210		
757A Private Branch Exchange	551-274-210		
<b>TRAFFIC MEASUREMENT SYSTEM NO. 1A; OUTPUTS TO—SEE OUTPUTS TO TRAFFIC MEASUREMENT SYSTEM NO. 1A</b>			
<b>TRAFFIC MODULE; HEAVY—SEE HEAVY TRAFFIC MODULE</b>			
<b>TRAFFIC REGISTER CABINET (J58857, SD-5E010-01); EXTERNAL—SEE EXTERNAL TRAFFIC REGISTER CABINET (J58857, SD-5E010-01)</b>			
<b>TRAFFIC REGISTER CABINET; EXTERNAL—SEE EXTERNAL TRAFFIC REGISTER CABINET</b>			
<b>TRAFFIC REGISTER CIRCUIT (SD-67069-01); PLANT AND—SEE PLANT AND TRAFFIC REGISTER CIRCUIT (SD-67069-01)</b>			
<b>TRAFFIC REGISTERS</b>			
<i>Operation Tests</i>			
2A Automatic Call Distributing System	476-223-501		
3A Automatic Call Distributing System	476-335-501		
<b>TRAFFIC USAGE MEASUREMENT SYSTEM</b>			
<i>Connections</i>			
<i>Tests</i>			
770A Private Branch Exchange	551-770-504		
<b>TRANSACTION SET BASE (5000AM)</b>			
<i>Connections</i>			
<i>Identification</i>			
<i>Installation</i>			
<i>Maintenance</i>			
Telephone Set Base (5000AM)			
Telephone Set Base	SC502-323-400		
<b>TRANSACTION SET BASE (5100AM)</b>			
<i>Connections</i>			
<i>Identification</i>			
<i>Installation</i>			
<i>Maintenance</i>			
Telephone Set Base (5100AM)			
Telephone Set Base	SC502-323-401		
<b>TRANSACTION SET BASE (5100BM)</b>			
<i>Connections</i>			
<i>Identification</i>			
<i>Installation</i>			
<i>Maintenance</i>			
Telephone Set Base (5100BM)			
Telephone Set Base	502-323-403		
<b>TRANSACTION TERMINAL SET (5000A)</b>			
<i>Identification</i>			
<i>Installation</i>			
<i>Maintenance</i>			
<i>Testing</i>			
Terminal Set (5000A) Terminal Set			SC502-323-402
<b>TRANSFER CIRCUIT; ALARM AND—SEE ALARM AND TRANSFER CIRCUIT</b>			
<b>TRANSFER TRUNK (SD-65970-01)</b>			
<i>Operation Tests</i>			
3A Automatic Call Distributing System			476-328-501
<b>TRANSFER TRUNK (SD-65976-01)</b>			
<i>Operation Tests</i>			
3A Automatic Call Distributing System			476-328-502
<b>TRANSFER UNIT; TRANSMITTER—SEE TRANSMITTER TRANSFER UNIT</b>			
<b>TRANSFER; EMERGENCY—SEE EMERGENCY TRANSFER</b>			
<b>TRANSFER-INDIVIDUAL; CALL—SEE CALL TRANSFER-INDIVIDUAL</b>			
<b>TRANSFER, AND TRAFFIC REGISTER CIRCUITS (SD-66734-01); ALARM,—SEE ALARM, TRANSFER, AND TRAFFIC REGISTER CIRCUITS (SD-66734-01)</b>			
<b>TRANSFORMER; STATION—SEE STATION TRANSFORMER</b>			
<b>TRANSMITTER</b>			
Telephone Set Components			
<i>Connections</i>			
<i>Identification</i>			
<i>Installation</i>			
<i>Maintenance</i>			
Customer-Owned Enclosures			501-420-102
Transmitter			
<i>Identification</i>			
661A			
Modular Unit			512-230-102
661A(MD)			
Modular Unit			512-230-100
667-Type			
Modular Unit			512-230-100
679A			
Modular Unit			512-230-101
<i>Installation</i>			
661A(MD)			
Modular Unit			512-230-100
667-Type			
Modular Unit			512-230-100
679A			
Modular Unit			512-230-101
<i>Maintenance</i>			
661A(MD)			
Modular Unit			512-230-100
667-Type			
Modular Unit			512-230-100

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**TRANSMITTER (Cont)**

Transmitter (Cont)	
Maintenance (Cont)	
679A	
Modular Unit	512-230-101
656A	
Identification	
1A Speakerphone System	512-610-100
1A1 Speakerphone System	512-610-100
666A(MD)	
Connections	
Identification	
Installation	
Maintenance	
3-Type Speakerphone System	SD512-620-100
666B	
Connections	
Identification	
Installation	
Maintenance	
3-Type Speakerphone System	SD512-620-100
667A(MD)	
Connections	
Identification	
Installation	
Maintenance	
3-Type Speakerphone System	SD512-620-100
667B	
Connections	
Identification	
Installation	
Maintenance	
3-Type Speakerphone System	SD512-620-100
670A	
Connections	
Identification	
Installation	
Maintenance	
3-Type Speakerphone System	SD512-620-100
671A	
Connections	
Identification	
Installation	
Maintenance	
3-Type Speakerphone System	SD512-620-100
672A	
Connections	
Identification	
Installation	
Maintenance	
3-Type Speakerphone System	SD512-620-100
673A	
Connections	
Identification	
Installation	
Maintenance	
3-Type Speakerphone System	SD512-620-100
674A	
Connections	
Identification	
Installation	
Maintenance	
3-Type Speakerphone System	SD512-620-100

**TRANSMITTER (Cont)**

674B	
Connections	
Identification	
Installation	
Maintenance	
3-Type Speakerphone System	SD512-620-100
679	
Connections	
Identification	
Installation	
Maintenance	
3-Type Speakerphone System	SD512-620-100
<b>TRANSMITTER TRANSFER UNIT</b>	
Connections	473-185-210
Identification	473-185-210
Installation	473-185-210
Maintenance	473-185-210
<b>TRANSMITTER UNITS</b>	
Identification	501-230-100
Installation	501-230-100
Maintenance	501-230-100
<b>TRANSMITTERS</b>	
Identification	501-230-100
Installation	501-230-100
Maintenance	501-230-100
<b>TRANSPARENT WINDOWS</b>	
Turn-Button and Key Telephone Sets	501-150-101
<b>TREAD; LADDER—SEE LADDER TREAD</b>	
<b>TREE ATTACHMENTS</b>	
Drop and Block Wiring	462-300-215
<b>TRIMLINE® TELEPHONE</b>	
Hand Telephone Set	
Service	
220-Type	SA502-322-400
2220-Type	SA502-322-400
2226-Type	SA502-322-400
226-Type	SA502-322-400
<b>TROUBLE RECORDER INTERFACE CIRCUIT</b>	
Description	
Method of Operation	
758C Switching System	551-568-300
<b>TROUBLE RECORDING ARRANGEMENT</b>	
Description	
Method of Operation	
758C Switching System	551-568-300
<b>TROUBLE REGISTERS; TRAFFIC AND—SEE TRAFFIC AND TROUBLE REGISTERS</b>	
<b>TRUNK (J58824BC, J58824BY, SD-65718-01); TIE—SEE TIE TRUNK (J58824BC, J58824BY, SD-65718-01)</b>	
<b>TRUNK (SD-65718-02); TIE—SEE TIE TRUNK (SD-65718-02)</b>	
<b>TRUNK (SD-65755-01); TIE—SEE TIE TRUNK (SD-65755-01)</b>	
<b>TRUNK (SD-65756-01); TIE—SEE TIE TRUNK (SD-65756-01)</b>	
<b>TRUNK (SD-65812-01); INCOMING—SEE INCOMING TRUNK (SD-65812-01)</b>	
<b>TRUNK (SD-65815-01); ATTENDANT—SEE ATTENDANT TRUNK (SD-65815-01)</b>	
<b>TRUNK (SD-65919-01); BUSY-TONE—SEE BUSY-TONE TRUNK (SD-65919-01)</b>	
<b>TRUNK (SD-65964-01); ATTENDANT—SEE ATTENDANT TRUNK (SD-65964-01)</b>	



TRUNK (SD-65970-01); TRANSFER—SEE TRANSFER TRUNK (SD-65970-01)

TRUNK (SD-65976-01); TRANSFER—SEE TRANSFER TRUNK (SD-65976-01)

TRUNK (TO TOLL OPERATOR); OUTGOING—SEE OUTGOING TRUNK (TO TOLL OPERATOR)

TRUNK (2-WAY, SD-65818-01); POSITION—SEE POSITION TRUNK (2-WAY, SD-65818-01)

TRUNK ACCESS CIRCUIT (SD-1E045-01); LINE OR—SEE LINE OR TRUNK ACCESS CIRCUIT (SD-1E045-01)

TRUNK ACCESS CIRCUIT (SD-1E053-01); TIE—SEE TIE TRUNK ACCESS CIRCUIT (SD-1E053-01)

TRUNK ACCESS CIRCUIT (SD-65853-01); CONVERTER—SEE CONVERTER TRUNK ACCESS CIRCUIT (SD-65853-01)

TRUNK CIRCUIT (FOR OUTWARD SERVICE FROM SWITCHBOARD TO CENTRAL OFFICE); AUXILIARY—SEE AUXILIARY TRUNK CIRCUIT (FOR OUTWARD SERVICE FROM SWITCHBOARD TO CENTRAL OFFICE)

TRUNK CIRCUIT (SD-1E000-01 WITH RINGBACK AND CAMP-ON TONE SIGNAL); EXECUTIVE—SEE EXECUTIVE TRUNK CIRCUIT (SD-1E000-01 WITH RINGBACK AND CAMP-ON TONE SIGNAL)

TRUNK CIRCUIT (SD-5E004-01); INCOMING—SEE INCOMING TRUNK CIRCUIT (SD-5E004-01)

TRUNK CIRCUIT (SD-5E032-01); OVERFLOW—SEE OVERFLOW TRUNK CIRCUIT (SD-5E032-01)

TRUNK CIRCUIT (SD-5E033-01); OVERFLOW—SEE OVERFLOW TRUNK CIRCUIT (SD-5E033-01)

TRUNK CIRCUIT (SD-5E041-01); TWO-WAY—SEE TWO-WAY TRUNK CIRCUIT (SD-5E041-01)

TRUNK CIRCUIT (SD-65718-01 AND SD-66799-01); TIE—SEE TIE TRUNK CIRCUIT (SD-65718-01 AND SD-66799-01)

TRUNK CIRCUIT (SD-65792-01); INCOMING—SEE INCOMING TRUNK CIRCUIT (SD-65792-01)

TRUNK CIRCUIT (SD-65793-01); ATTENDANT—SEE ATTENDANT TRUNK CIRCUIT (SD-65793-01)

TRUNK CIRCUIT (SD-65808-01); ATTENDANT—SEE ATTENDANT TRUNK CIRCUIT (SD-65808-01)

TRUNK CIRCUIT (SD-65846-01); INTERCEPTING—SEE INTERCEPTING TRUNK CIRCUIT (SD-65846-01)

TRUNK CIRCUIT (SD-65972-01); AUXILIARY—SEE AUXILIARY TRUNK CIRCUIT (SD-65972-01)

TRUNK CIRCUIT (SD-65979-01); ANNOUNCEMENT—SEE ANNOUNCEMENT TRUNK CIRCUIT (SD-65979-01)

TRUNK CIRCUIT (SD-66926-01); INTERFACE—SEE INTERFACE TRUNK CIRCUIT (SD-66926-01)

TRUNK CIRCUIT (SD-67042-01); INCOMING—SEE INCOMING TRUNK CIRCUIT (SD-67042-01)

TRUNK CIRCUIT (SD-67052-01); TONE—SEE TONE TRUNK CIRCUIT (SD-67052-01)

TRUNK CIRCUIT (SD-67075-01); AUXILIARY—SEE AUXILIARY TRUNK CIRCUIT (SD-67075-01)

TRUNK CIRCUIT (SD-67093-01); ANNOUNCEMENT—SEE ANNOUNCEMENT TRUNK CIRCUIT (SD-67093-01)

TRUNK CIRCUIT (SD-73096-01); DIGITAL—SEE DIGITAL TRUNK CIRCUIT (SD-73096-01)

TRUNK CIRCUIT (2-WAY, SD-5E005-01)  
*Operation Tests*  
701B Private Branch Exchange 540-540-508

TRUNK CIRCUIT (2-WAY, SD-5E028-01)  
*Operation Tests*  
701A Private Branch Exchange 540-540-513  
701B Private Branch Exchange 540-540-513

TRUNK CIRCUIT J58824CD (SD-66926-01); INTERFACE—SEE INTERFACE TRUNK CIRCUIT J58824CD (SD-66926-01)

TRUNK CIRCUIT 2-WAY 4-WIRE (SD-67050-01); TIE—SEE TIE TRUNK CIRCUIT 2-WAY 4-WIRE (SD-67050-01)

TRUNK CIRCUIT; INCOMING—SEE INCOMING TRUNK CIRCUIT

TRUNK CIRCUIT; INTERFACE—SEE INTERFACE TRUNK CIRCUIT

TRUNK CIRCUIT; TEST—SEE TEST TRUNK CIRCUIT

TRUNK CIRCUITS  
*Operation Tests*  
770A Private Branch Exchange 551-770-502

TRUNK CIRCUITS (CENTRAL OFFICE EQUIPMENT); OUTGOING—SEE OUTGOING TRUNK CIRCUITS (CENTRAL OFFICE EQUIPMENT)

TRUNK CIRCUITS (SD-65718-01, SD-65718-02, AND SD-66799-01); TIE—SEE TIE TRUNK CIRCUITS (SD-65718-01, SD-65718-02, AND SD-66799-01)

TRUNK CIRCUITS (SD-66896-01 FOR E AND M LEAD SIGNALING); AUXILIARY—SEE AUXILIARY TRUNK CIRCUITS (SD-66896-01 FOR E AND M LEAD SIGNALING)

TRUNK CIRCUITS; TIE—SEE TIE TRUNK CIRCUITS

TRUNK FINDER CIRCUIT (SD-65906-01)  
*Operation Tests*  
Step-By-Step Private Branch Exchange 540-702-501

TRUNK IDENTIFICATION ANNOUNCEMENT AMPLIFIERS  
*Adjustments*  
*Requirements*  
*Trouble Analysis*  
KS-12068, L7  
2-Type Automatic Call Distributors (ACD) 476-100-701  
3-Type Automatic Call Distributors (ACD) 476-100-701

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**TRUNK IDENTIFICATION CONTROL CIRCUIT  
J53131W**

*Operation Tests*

Automatic Call Distributing System 476-100-501

**TRUNK LEVEL CIRCUITS; AUTOMATIC—SEE  
AUTOMATIC TRUNK LEVEL CIRCUITS**

**TRUNK UNIT (J59013H, L2); TIE—SEE TIE  
TRUNK UNIT (J59013H, L2)**

**TRUNK UNIT; AUXILIARY—SEE AUXILIARY  
TRUNK UNIT**

**TRUNK; TIE—SEE TIE TRUNK**

**TRUNKS**

*Continuity and Polarity Tests from  
Selector Levels*

700C Private Branch Exchange 540-169-501  
701A Private Branch Exchange 540-169-501  
701B Private Branch Exchange 540-169-501  
701PK Private Branch Exchange 540-169-501  
702A Private Branch Exchange 540-169-501  
710C Private Branch Exchange 540-169-501  
711A Private Branch Exchange 540-169-501  
711B Private Branch Exchange 540-169-501  
711PK Private Branch Exchange 540-169-501  
740A Private Branch Exchange 540-169-501  
740AX Private Branch Exchange 540-169-501  
740B Private Branch Exchange 540-169-501  
740C Private Branch Exchange 540-169-501  
740E Private Branch Exchange 540-169-501

*Operation Tests*

750A Private Branch Exchange 548-500-665  
755A Private Branch Exchange 550-550-665

*Operation Tests from Selector*

*Levels using Dial Hand Test Set*  
3A Automatic Call Distributing System 476-330-501

**TRUNKS (SD-65961-01 AND SD-65978-01);  
INCOMING—SEE INCOMING TRUNKS  
(SD-65961-01 AND SD-65978-01)**

**TRUNKS AND FEATURE UNIT**

*Connections*

*Identification*

*Installation*

757A Private Branch Exchange 551-234-210

**TRUNKS AND TIE LINES**

*Operation Test for Selector Levels*

700C (Dial Equipment) Private Branch Exchange 541-003-666  
710C (Dial Equipment) Private Branch Exchange 541-003-666

**TRUNKS AND TIE TRUNKS**

*Operation Tests from Selector  
Levels*

700C Private Branch Exchange 540-172-501  
701A Private Branch Exchange 540-172-501  
701B Private Branch Exchange 540-172-501  
701PK Private Branch Exchange 540-172-501  
702A Private Branch Exchange 540-172-501  
710C Private Branch Exchange 540-172-501  
711A Private Branch Exchange 540-172-501  
711B Private Branch Exchange 540-172-501  
711PK Private Branch Exchange 540-172-501  
740A Private Branch Exchange 540-172-501  
740AX Private Branch Exchange 540-172-501  
740B Private Branch Exchange 540-172-501  
740C Private Branch Exchange 540-172-501

**TRUNKS AND TIE TRUNKS (Cont)**

*Operation Tests from Selector (Cont)*

740E Private Branch Exchange 540-172-501

**TRUNKS; ATTENDANT—SEE ATTENDANT**

**TRUNKS**

**TRUNKS; INTERCEPTING—SEE INTERCEPTING  
TRUNKS**

**TRUNKS; TIE—SEE TIE TRUNKS**

**TRUNKS, AND MISCELLANEOUS EQUIPMENT;  
FEATURES,—SEE FEATURES, TRUNKS, AND  
MISCELLANEOUS EQUIPMENT**

**TSPXY**

*Connections*

*Identification*

*Installation*

*Maintenance*

*Operation*

Voice Connecting Arrangement 463-382-105

**TSPZ1**

*Connections*

*Identification*

*Installation*

*Maintenance*

*Operation*

Voice Connecting Arrangement 463-382-105

**TUBES AND DIODES; ELECTRON—SEE**

**ELECTRON TUBES AND DIODES**

**TURRET; ORDER—SEE ORDER TURRET**

**TWO-WAY MANUAL AND DIAL SELECTED TIE  
TRUNK CIRCUIT (SD-65823-01)**

*Operation Tests*

Step-By-Step Private Branch Exchange 540-540-503

**TWO-WAY TRUNK CIRCUIT (SD-5E041-01)**

*Operation Tests*

757A Private Branch Exchange 551-287-501

**UNIT (J59013E); CORD—SEE CORD UNIT  
(J59013E)**

**UNIT (J59013L FOR MANUAL CONFERENCE  
CIRCUIT); JACK—SEE JACK UNIT (J59013L  
FOR MANUAL CONFERENCE CIRCUIT)**

**UNIT 20-CYCLE; DETECTOR—SEE DETECTOR  
UNIT 20-CYCLE**

**UNIT; APPARATUS—SEE APPARATUS UNIT**

**UNIT; CONTROL—SEE CONTROL UNIT**

**UNIT; HOLD—SEE HOLD UNIT**

**UNIT; INTERCONNECTING—SEE**

**INTERCONNECTING UNIT**

**UNIT; POWER—SEE POWER UNIT**

**UNIT; SWITCH—SEE SWITCH UNIT**

**UNIT; TERMINATION—SEE TERMINATION  
UNIT**

**UNIT; 75A CONTROL—SEE 75A CONTROL  
UNIT**

**UNIT; 85B1 POWER—SEE 85B1 POWER UNIT**

**UNIT-103A1; DISPLAY—SEE DISPLAY  
UNIT-103A1**

**UNITS; FEATURE—SEE FEATURE UNITS**

**UNITS; PACKAGED—SEE PACKAGED UNITS**

**UNITS; RECEIVER—SEE RECEIVER UNITS**

**UNITS; TRANSMITTER—SEE TRANSMITTER  
UNITS**

**UNUSUAL CONTACT CONDITIONS; HAVING—SEE  
HAVING UNUSUAL CONTACT CONDITIONS**



**SECTION 460-000-006**

**VOICE CONNECTING ARRANGEMENT (Cont)**

Voice Connecting Arrangement (Cont)  
*Identification (Cont)*

CD6 (Using 108A IU)	IB463-350-105
CEBAV (Using 111A IU)	IA463-311-106
CEBAW (Using 111A IU)	IA463-311-106
CEBAX (Using 111A IU)	IA463-311-104
CEBBX (Using 111A IU)	IA463-311-104
CEK (Using J5305E IU)	IA463-380-100
CET (Using 102A IU)	IB463-350-108
CEZ	IA463-311-108
C2AKS	IA463-311-107
C2K	IB463-370-102
C232W (Customer Equipment and Bell System 2-Wire and 4-Wire Facilities)	IB463-360-103
C234W (Customer Equipment and Bell System 4-Wire Facilities)	IB463-360-102
C27	IB463-370-102
FTP	IA463-341-102
GTS	463-340-112
LOH (Music on Hold, Cord Type PBX Switchboard)	IA463-331-105
LVH (Music on Hold, Key Telephone Systems)	IA463-311-105
QKP	463-311-109
QKT (Using 30-Type Voice Coupler)	IA463-311-100
QKTBT (Using 30-Type Voice Coupler)	IA463-311-100
RDL	IA463-340-111
RDL (KS-19522 Recorder Coupler)	IA463-340-110
RDM	IA463-340-111
RDM (KS-19522 Recorder Coupler)	IA463-340-110
STC (Using KS-20721 Station Coupler)	IA463-340-103
SU3 (Using KS-20445 Control Unit)	IA463-340-100
SU4 (Using KS-20445 Control Unit)	IA463-340-100
SU6 (Using KS-20445 Control Unit)	IA463-340-100
SU7 (Using KS-20445 Control Unit)	IA463-340-100
TSPXY	463-382-105
TSPZ1	463-382-105
69H Apparatus Mounting	IA463-311-103
69H Apparatus Mounting	IA463-311-104
69H Apparatus Mounting	IA463-311-105
69H Apparatus Mounting	IA463-311-106
69H Apparatus Mounting	IA463-331-105

*Installation*

CAU (Using KS-20445 Control Unit)	IA463-340-100
CDA (ISU F-58003 and Associated F-58004 KTU and F-58015 Console)	IB463-350-100
CDA (Using 700A-Type ISU)	463-350-101
CDB (Using F-58005 IU)	463-331-100
CDB (Using J53050A, L1)	IA463-331-101
CDN (Using 111A IU)	IA463-311-103
CDX (Using 31A Voice Coupler)	IA463-331-104
CDY (Pick-up Button, Bell System Tel Set)	IA463-312-100

**VOICE CONNECTING ARRANGEMENT (Cont)**

Voice Connecting Arrangement (Cont)  
*Installation (Cont)*

CD4 (Using 31B Voice Coupler)	IA463-331-103
CD5 (Using 111A IU)	IA463-311-103
CD6 (Using 108A IU)	IB463-350-105
CEBAV (Using 111A IU)	IA463-311-106
CEBAW (Using 111A IU)	IA463-311-106
CEBAX (Using 111A IU)	IA463-311-104
CEBBX (Using 111A IU)	IA463-311-104
CEK (Using J5305E IU)	IA463-380-100
CET (Using 102A IU)	IB463-350-108
CEZ	IA463-311-108
C2AKS	IA463-311-107
C2K	IB463-370-102
C232W (Customer Equipment and Bell System 2-Wire and 4-Wire Facilities)	IB463-360-103
C234W (Customer Equipment and Bell System 4-Wire Facilities)	IB463-360-102
C27	IB463-370-102
FTP	IA463-341-102
GTS	463-340-112
LOH (Music on Hold, Cord Type PBX Switchboard)	IA463-331-105
LVH (Music on Hold, Key Telephone Systems)	IA463-311-105
QKP	463-311-109
QKT (Using 30-Type Voice Coupler)	IA463-311-100
QKTBT (Using 30-Type Voice Coupler)	IA463-311-100
RDL	IA463-340-111
RDL (KS-19522 Recorder Coupler)	IA463-340-110
RDM	IA463-340-111
RDM (KS-19522 Recorder Coupler)	IA463-340-110
STC (Using KS-20721 Station Coupler)	IA463-340-103
SU3 (Using KS-20445 Control Unit)	IA463-340-100
SU4 (Using KS-20445 Control Unit)	IA463-340-100
SU6 (Using KS-20445 Control Unit)	IA463-340-100
SU7 (Using KS-20445 Control Unit)	IA463-340-100
TSPXY	463-382-105
TSPZ1	463-382-105
69H Apparatus Mounting	IA463-311-103
69H Apparatus Mounting	IA463-311-104
69H Apparatus Mounting	IA463-311-105
69H Apparatus Mounting	IA463-311-106
69H Apparatus Mounting	IA463-331-105

*Maintenance*

CAU (Using KS-20445 Control Unit)	IA463-340-100
CDA (ISU F-58003 and Associated F-58004 KTU and F-58015 Console)	IB463-350-100
CDA (Using 700A-Type ISU)	463-350-101
CDB (Using F-58005 IU)	463-331-100
CDB (Using J53050A, L1)	IA463-331-101
CDN (Using 111A IU)	IA463-311-103
CDX (Using 31A Voice Coupler)	IA463-331-104

**VOICE CONNECTING ARRANGEMENT (Cont)**Voice Connecting Arrangement (Cont)  
*Maintenance (Cont)*

CDY (Pick-up Button, Bell System Tel Set)	IA463-312-100
CD4 (Using 31B Voice Coupler)	IA463-331-103
CD5 (Using 111A IU)	IA463-311-103
CD6 (Using 108A IU)	IB463-350-105
CEBAV (Using 111A IU)	IA463-311-106
CEBAW (Using 111A IU)	IA463-311-106
CEBAX (Using 111A IU)	IA463-311-104
CEBBX (Using 111A IU)	IA463-311-104
CEK (Using J5305E IU)	IA463-380-100
CET (Using 102A IU)	IB463-350-108
CEZ	IA463-311-108
C2AKS	IA463-311-107
C2K	IB463-370-102
C232W (Customer Equipment and Bell System 2-Wire and 4-Wire Facilities)	IB463-360-103
C234W (Customer Equipment and Bell System 4-Wire Facilities)	IB463-360-102
C27	IB463-370-102
FTP	IA463-341-102
GTS	463-340-112
LOH (Music on Hold, Cord Type PBX Switchboard)	IA463-331-105
LVH (Music on Hold, Key Telephone Systems)	IA463-311-105
QKP	463-311-109
QKT (Using 30-Type Voice Coupler)	IA463-311-100
QKTBT (Using 30-Type Voice Coupler)	IA463-311-100
RDL	IA463-340-111
RDL (KS-19522 Recorder Coupler)	IA463-340-110
RDM	IA463-340-111
RDM (KS-19522 Recorder Coupler)	IA463-340-110
STC (Using KS-20721 Station Coupler)	IA463-340-103
SU3 (Using KS-20445 Control Unit)	IA463-340-100
SU4 (Using KS-20445 Control Unit)	IA463-340-100
SU6 (Using KS-20445 Control Unit)	IA463-340-100
SU7 (Using KS-20445 Control Unit)	IA463-340-100
TSPXY	463-382-105
TSPZ1	463-382-105
69H Apparatus Mounting	IA463-311-103
69H Apparatus Mounting	IA463-311-104
69H Apparatus Mounting	IA463-311-105
69H Apparatus Mounting	IA463-311-106
69H Apparatus Mounting	IA463-331-105

*Method of Operation*

CDB (Using F-58005 IU)	463-331-100
CDB (Using J53050A, L1)	IA463-331-101
CDN (Using 111A IU)	IA463-311-103
CD4 (Using 31B Voice Coupler)	IA463-331-103
CD5 (Using 111A IU)	IA463-311-103
CEBAV (Using 111A IU)	IA463-311-106
CEBAW (Using 111A IU)	IA463-311-106
CEBAX (Using 111A IU)	IA463-311-104

**VOICE CONNECTING ARRANGEMENT (Cont)**

## Voice Connecting Arrangement (Cont)

*Method of Operation (Cont)*

CEBBX (Using 111A IU)	IA463-311-104
CEK (Using J5305E IU)	IA463-380-100
69H Apparatus Mounting	IA463-311-103
69H Apparatus Mounting	IA463-311-104
69H Apparatus Mounting	IA463-311-106

*Operation*

CAU (Using KS-20445 Control Unit)	IA463-340-100
CDA (ISU F-58003 and Associated F-58004 KTU and F-58015 Console)	IB463-350-100 463-350-101
CDA (Using 700A-Type ISU)	463-350-101
CDY (Pick-up Button, Bell System Tel Set)	IA463-312-100
CD6 (Using 108A IU)	IB463-350-105
CET (Using 102A IU)	IB463-350-108
CEZ	IA463-311-108
C2AKS	IA463-311-107
C2K	IB463-370-102
C232W (Customer Equipment and Bell System 2-Wire and 4-Wire Facilities)	IB463-360-103
C234W (Customer Equipment and Bell System 4-Wire Facilities)	IB463-360-102
C27	IB463-370-102
FTP	IA463-341-102
GTS	463-340-112
LOH (Music on Hold, Cord Type PBX Switchboard)	IA463-331-105
LVH (Music on Hold, Key Telephone Systems)	IA463-311-105
QKP	463-311-109
QKT (Using 30-Type Voice Coupler)	IA463-311-100
QKTBT (Using 30-Type Voice Coupler)	IA463-311-100
RDL	IA463-340-111
RDL (KS-19522 Recorder Coupler)	IA463-340-110
RDM	IA463-340-111
RDM (KS-19522 Recorder Coupler)	IA463-340-110
STC (Using KS-20721 Station Coupler)	IA463-340-103
SU3 (Using KS-20445 Control Unit)	IA463-340-100
SU4 (Using KS-20445 Control Unit)	IA463-340-100
SU6 (Using KS-20445 Control Unit)	IA463-340-100
SU7 (Using KS-20445 Control Unit)	IA463-340-100
TSPXY	463-382-105
TSPZ1	463-382-105
69H Apparatus Mounting	IA463-311-105
69H Apparatus Mounting	IA463-331-105

*Protection*

GTS	463-340-112
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**VOICE STATION SIGNALING***Identification**Installation**Maintenance*

Manual Intercoms	KB518-010-109
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**SECTION 460-000-006**

**VOICE-CONTROLLED SWITCH**

*Connections*  
*Identification*  
*Installation*  
*Maintenance*  
*Operation*  
 234-Type 463-240-100

**VOLTAGE TESTING DEVICE**

Auxiliary Equipment  
*Description*  
*Maintenance*  
 B Voltage Tester 081-705-101

**WAITING CONSOLES; MESSAGE—SEE MESSAGE**

**WAITING CONSOLES**

**WAITING SERVICE; MESSAGE—SEE MESSAGE**

**WAITING SERVICE**

**WAITING SIGNAL CIRCUIT (SD-65845-01);**

**CALLS—SEE CALLS WAITING SIGNAL CIRCUIT (SD-65845-01)**

**WALL BOX TERMINAL**

Apparatus Box  
*Identification*  
 ED-69391-50, Group 1  
 (Backplate) KA463-140-100  
 ED-69391-50, Group 1 (Cover) KA463-140-100  
 Wall Box Terminal  
*Identification*  
 ED-69391-50, Group 1  
 (Backplate) KA463-140-100  
 ED-69391-50, Group 1 (Cover) KA463-140-100

**WALL RELAY RACK**

*Identification*  
 Equipment Cabinet KA463-140-100

**WALL SCREW; ANCHORS—SEE ANCHORS WALL SCREW**

**WALL-MOUNTED**

Wire Terminals  
 Drop and Block Wiring  
 General Precautions SB460-300-145

**WARNING DEVICES; STANDARD—SEE STANDARD**

**WARNING DEVICES**

**WARNING SYSTEM; TELEPHONE—SEE**

**TELEPHONE WARNING SYSTEM**

**WARNING; MARKER—SEE MARKER WARNING**

**WINDOWS; TRANSPARENT—SEE TRANSPARENT WINDOWS**

**WINK CIRCUITS; FLASH AND—SEE FLASH AND WINK CIRCUITS**

**WIRE**

*Method of Connecting to Split Terminals* 069-130-811  
*Skinning and Preparing for Cross-Connections on Distributing Frames and Cross-Connection Fields* 069-120-811

**WIRE (E AND F); COAXIAL—SEE COAXIAL**

**WIRE (E AND F)**

**WIRE AND ASSOCIATED APPARATUS; STATION—SEE STATION WIRE AND ASSOCIATED APPARATUS**

**WIRE AND CABLE**

Inside  
*Selection* 461-200-100  
 Wire and Cable  
*Concealing without Conduits or Raceways* 461-200-202  
*Disposition of Disconnected* 461-200-204

**WIRE AND CABLE (Cont)**

Wire and Cable (Cont)  
*Handling* 461-200-203  
*Selection of Route* SB461-200-200  
*Splicing* 461-200-205

**WIRE AND CABLE; STATION—SEE STATION**

**WIRE AND CABLE**

**WIRE CLAMP (E); DROP—SEE DROP WIRE CLAMP (E)**

**WIRE CLAMP; DROP—SEE DROP WIRE CLAMP**

**WIRE CLAMP; STATION—SEE STATION WIRE CLAMP**

**WIRE CLIP**

*General*  
 SC 080-720-145  
 462-030-100

**WIRE DROP REEL**

**WIRE GUARD; P—SEE P WIRE GUARD**

**WIRE HOOK; DROP—SEE DROP WIRE HOOK**

**WIRE LOOP**

*General*  
 B 080-720-141

**WIRE MULTIPLE**

*Fault Locating* 624-800-300  
*Splicing* 624-220-200

**WIRE NAIL; GROUND—SEE GROUND WIRE**

**NAIL**

**WIRE NAIL; STATION—SEE STATION WIRE**

**NAIL**

**WIRE REELS**

*KS-21955*  
*Piece-Part Data* 075-150-801  
*KS-8047*  
*Piece-Part Data* 075-147-801

**WIRE RURAL C**

*Terminating* 624-730-200

**WIRE STAPLE; GROUND—SEE GROUND WIRE**

**STAPLE**

**WIRE TERMINAL**

104-Type  
*Installation* 624-300-200  
 105A  
*Installation* 624-300-205

**WIRE TERMINATIONS; BURIED—SEE BURIED**

**WIRE TERMINATIONS**

**WIRE UNWRAPPING TOOL**

*Piece-Part Data and Replacement Procedures*  
 KS-16492 075-121-801

**WIRE UNWRAPPING TOOL (HEATED)**

*Piece-Part Data and Replacement Procedures*  
 KS-16450L1 075-121-802

**WIRE WRAPPING TOOL**

*Piece-Part Data and Replacement Procedures*  
 KS-16363L1 075-120-801  
*Requirements and Adjusting Procedures*  
 KS-16363L1 075-120-701

**WIRE; DROP—SEE DROP WIRE**

**WIRE; GROUND—SEE GROUND WIRE**

**WIRING**

Block  
*General*  
 Main Building Terminals 462-265-201  
 88-Type 462-265-202

<b>WIRING (Cont)</b>			
Distribution			
General			
Building Terminals	462-265-211		
Riser Terminals			
88-Type	462-265-212		
Drop			
General			
Main Building Terminals	462-265-201		
88-Type	462-265-202		
<b>WIRING AND CABLING</b>			
General Equipment Requirements	069-110-812		
Reinforcement of Cable Forms	069-110-811		
Repair of Insulation	069-110-812		
<b>WIRING CABLE CLAMP; INSIDE—SEE INSIDE</b>			
<b>WIRING CABLE CLAMP</b>			
<b>WIRING NAIL; INSIDE—SEE INSIDE WIRING</b>			
<b>NAIL</b>			
<b>WOOD BORING BIT</b>			
Description	081-745-105		
Use	081-745-105		
<b>WORK AREAS; GUARDING—SEE GUARDING WORK</b>			
<b>AREAS</b>			
<b>WRAPPED SOLDERLESS CONNECTIONS</b>			
Method of Placing	069-133-801		
<b>WRAPPING BIT</b>			
Piece-Part Data and Replacement			
Procedures	075-120-801		
<b>WRAPPING TOOL; WIRE—SEE WIRE WRAPPING</b>			
<b>TOOL</b>			
<b>WRITING UNIT; CARD—SEE CARD WRITING</b>			
<b>UNIT</b>			
<b>WRITING UNIT; 2A CARD—SEE 2A CARD</b>			
<b>WRITING UNIT</b>			
<b>X-RAY PROGRAM PACKAGE</b>			
Operating Procedure			
100 DIMENSION* Private Branch			
Exchange	554-101-115		
400 DIMENSION* Private Branch			
Exchange	554-101-115		
Operating Procedures			
2000 DIMENSION* Private Branch			
Exchange	554-111-115		
<b>108-TYPE LOUDSPEAKER SET</b>			
Identification			
Installation			
Maintenance			
Operation			
4A Speakerphone System	SD512-700-100		
<b>110A APPARATUS MOUNTING</b>			
Service			
1A2 Key Telephone Systems	KB518-215-422		
<b>12B TELEPHONE CONSOLE</b>			
Connections			
3A Automatic Call Distributing			
System	476-303-412		
<b>142A TEST SET</b>			
Interconnecting Devices			
Identification			
Maintenance			
Operation			
Common Equipment	463-300-113		
<b>2A</b>			
Trouble Locating Procedure			
No. 101 Electronic Switching			
System	240-200-503		
<b>2A CARD WRITING UNIT</b>			
Piece-Part Data and Replacement			
Procedures			
No. 101 Electronic Switching			
System	240-315-801		
<b>223-TYPE ADAPTER</b>			
Identification			
Installation			
Maintenance			
Operation			
4A Speakerphone System	SD512-700-100		
<b>3A</b>			
Trouble Locating Procedure			
No. 101 Electronic Switching			
System	240-200-503		
<b>4-WIRE SERVICE</b>			
Connections			
Identification			
Installation			
Maintenance			
Operation			
Recorder Connector (KS-19645)			
Protective Connecting			
Arrangement	IA463-340-120		
<b>5000A TRANSACTION</b>			
Identification			
Installation			
Maintenance			
Testing			
Terminal Set (5000A) Terminal			
Set	SC502-323-402		
<b>5000AM TRANSACTION I</b>			
Connections			
Identification			
Installation			
Maintenance			
Telephone Set Base (5000AM)			
Telephone Set Base	SC502-323-400		
<b>5100AM TRANSACTION</b>			
Connections			
Identification			
Installation			
Maintenance			
Telephone Set Base (5100AM)			
Telephone Set Base	SC502-323-401		
<b>5100BM TRANSACTION</b>			
Connections			
Identification			
Installation			
Maintenance			
Telephone Set Base (5100BM)			
Telephone Set Base	502-323-403		
<b>604A PANEL</b>			
Connections			
Identification			
Installation			
Common Equipment			
Interconnecting Devices			
Interconnecting Unit	IA463-300-101		
<b>604B PANEL</b>			
Connections			
Identification			
Installation			
Common Equipment			
Interconnecting Devices			
Interconnecting Unit	IA463-300-102		

**SECTION 460-000-006**

**604C PANEL**

*Connections*  
*Identification*  
*Installation*  
 Common Equipment  
 Interconnecting Devices  
 Interconnecting Unit

IA463-300-102

**606A PANEL**

*Connections*  
*Identification*  
*Installation*  
 Common Equipment  
 Interconnecting Devices  
 Interconnecting Unit

IA463-300-103

**615A PANEL**

*Connections*  
*Identification*  
*Installation*  
 Common Equipment  
 Interconnecting Devices  
 Interconnecting Unit

463-300-104

**680-TYPE TRANSMITTER**

*Identification*  
*Installation*  
*Maintenance*  
*Operation*  
 4A Speakerphone System

SD512-700-100

**69H APPARATUS MOUNTING**

*Connections*  
*Identification*  
*Installation*  
*Maintenance*  
*Method of Operation*  
 Voice Connecting Arrangement

IA463-311-103

*Connections*  
*Identification*  
*Installation*  
*Maintenance*  
*Method of Operation*  
 Voice Connecting Arrangement

IA463-311-104

*Connections*  
*Identification*  
*Installation*  
*Maintenance*  
*Operation*  
 Voice Connecting Arrangement

IA463-311-105

*Connections*  
*Identification*  
*Installation*  
*Maintenance*  
*Method of Operation*  
 Voice Connecting Arrangement

IA463-311-106

*Connections*  
*Identification*  
*Installation*  
*Maintenance*  
*Operation*  
 Voice Connecting Arrangement

IA463-331-105

**75A CONTROL UNIT**

*Identification*

**75A CONTROL UNIT (Cont)**

*Installation*  
*Maintenance*  
*Operation*  
 Common Equipment  
 Interconnecting Devices  
 Voice Connecting  
 Arrangement

IA463-300-112

**82-TYPE CONNECTING BLOCK**

*Identification*  
*Installation*  
*Maintenance*  
*Operation*

4A Speakerphone System

SD512-700-100

**85B1 POWER UNIT**

*Identification*  
*Installation*  
*Maintenance*  
*Operation*

4A Speakerphone System

SD512-700-100

**946-TYPE**

*Cleaning Procedures*  
 Connector

069-350-801

**947-TYPE**

*Cleaning Procedures*  
 Connector

069-350-801

**971-TYPE**

*Cleaning Procedures*  
 Connector

069-350-801