

INTRAOFFICE TRUNKS
EQUIPMENT UNITS
EQUIPMENT DESIGN REQUIREMENTS
NO. 5 CROSSBAR SYSTEM

1. GENERAL

Scope

1.01 This specification, together with the supplementary information listed herein, provides the equipment design requirements for the assembly, equipment, and circuits to be used in the manufacture and installation of various intraoffice trunks for use in the No. 5 Crossbar System.

1.02 This specification is reissued:

- (a) To provide information on an auxiliary station ringer test unit for timed disconnect (J23061AT, A&M Only) for use with test units per J23061S, in accordance with SD-26109-01, Issue 8D.

(b) To remove list 1 and add list 3 on J23061AD in accordance with SD-26109-01, Issue 8D.

(c) To remove equipment information per J23061P and J23061AM. This information is rated Mfr Disc.

(d) To remove reference to J23061AR which was never manufactured.

Description

1.03 The units listed herein provide the equipment for various intraoffice trunks. These trunk units mount on relay rack frames listed in J23064.

1.04 All wiring for these units shall be provided as surface wiring.

SUBDIVISIONS OF EQUIPMENT AND DETAILED INDEX

WECo J drawings should be ordered by referring to the prefix and base number and requesting the current dash (—) number.

EQUIPMENT CODE	RATING OF UNIT	TITLE	EQUIPMENT DRAWING	CIRCUIT DRAWING	CKTS PER UNIT	MTG PLTS PER UNIT
J23061J	A&M Only	IAO Trk — FR — MR — With or Without Timing	J23061J-()	SD-25684-01 SD-25684-02	2	4
J23061N	AT&TCo Std	IAO Trk — FR	J23061N-()	SD-26060-01	1	1
J23061Q	AT&TCo Std	IAO Trk — MR — With or Without Timing	J23061Q-()	SD-26062-01	2	3 or 4

EQUIPMENT CODE	RATING OF UNIT	TITLE	EQUIPMENT DRAWING	CIRCUIT DRAWING	CKTS PER UNIT	MTG PLTS PER UNIT
J23061R	AT&TCo Std	IAO Trk — Coin — With or Without Timing	J23061R-()	SD-26064-01	1	2 or 3
J23061T	AT&TCo Std	Rev Call Trk for 2-pty Sel, 4-pty Semisel or 10-pty 5-code Ring	J23061T-()	SD-26068-01	1	2
J23061U	AT&TCo Std	Rev Call Trk for 4-pty Sel, and 8-pty Semisel Ring	J23061U-()	SD-26069-01	1	3
J23061W	AT&TCo Std	Unit for One IAO Trk — For Data Serv — Msg Tmg Opr	J23061W-()	SD-27540-01	1	2
J23061Y	AT&TCo Std	Unit for Two IAO Trk — FR & AMA — For Use With 4-Wire Trk Lk Frames	J23061Y-()	SD-27501-01	2	5
J23061AA	A&M Only	Unit for One Intra- Office Trunk FR & AMA Arranged for Phase II Centrex Service	J23061AA-()	SD-27579-01	1	4
J23061AB	AT&TCo Std	Intraoffice Trunks for WADS	J23061AB-()	SD-27644-01	2	5
J23061AC	A&M Only	Auxiliary Unit for 2 Station Ringer Test Trunks	J23061AC-()	SD-26109-01	2	4
J23061AD	AT&TCo Std	Unit for One Station Ringer Test Trunk	J23061AD-()	SD-26109-01	1	4
J23061AF	A&M Only	Unit for 4 Aux IAO Trk Arr for Phase I Centrex Service — Univ Pad Cont	J23061AF-()	SD-26259-01	4	1
J23061AG	AT&TCo Std	Unit for 2 Intra- office Trunks with Answer and Discon- nect Supervision and Pad Control	J23061AG-()	SD-26060-01	2	3
J23061AH	AT&TCo Std	Intraoffice Trunk Ar- ranged for Phase III Centrex with Flat Rate and AMA	J23061AH-()	SD-27685-01	1	3

EQUIPMENT CODE	RATING OF UNIT	TITLE	EQUIPMENT DRAWING	CIRCUIT DRAWING	CKTS PER UNIT	MTG PLTS PER UNIT
J23061AJ	AT&TCo Std	Rev Call TT Trnsl Unit	J23061AJ-()	SD-26069-01	2	1
J23061AK	AT&Co Std	Rev Call TT Tone Unit	J23061AK-()	SD-26069-01	2	1
J23061AL	A&M Only	Unit for One Aux IAO Trunk	J23061AL-()	SD-26259-01	1	1
J23061AN	A&M Only	Unit for Six Aux Sta- tion Ring Test Trk per SD-25927-01 to Provide for Range Ext for Unigauge Cabling	J23061AN-()	SD-25927-01	6	1
J23061AP	AT&TCo Std	IAO Trk — Flat Rate — AMA	J23061AP-()	SD-27915-01	1	2
J23061AT	A&M Only	Aux Sta Ringer Test Unit (Arranged for Three Ckts) for Timed Disconnect	J23061AT-()	SD-26109-01	3	1
H599-233	A&M Only	Unit for 1 Intra- office Trunk with Transfer — Flat Rate and Automatic Mes- sage Accounting for Use with Phase I Centrex Service	H599-233	SD-26259-01	1	3 ←
J23061G J23061M		Reserved				

Circuit Schematic Index

CIRCUIT DRAWING	J23061 EQUIP CODE	CIRCUIT DRAWING	J23061 EQUIP CODE
SD-25684-01	J	SD-26259-01	AF,AL,AR
SD-25684-02	J		H599-233
SD-25927-01	AN	SD-27501-01	Y
SD-26060-01	N,P,AG,AM	SD-27540-01	W
SD-26062-01	Q	SD-27479-01	AA
SD-26064-01	R	SD-27644-01	AB
SD-26068-01	T	SD-27685-01	AH
SD-26069-01	U,AJ,AK	SD-27915-01	AP
SD-26109-01	AC,AD		

2. SUPPLEMENTARY INFORMATION

819-000-000—No. 5 Crossbar System Index
 AA128.006—List of General Equipment Requirements Sections
 J23064—819-601-150—Relay Rack Frame for Trunk Units and Relay Equipment
 J29259—819-005-150—General Outline—No. 5 Crossbar System
 X-67273—Manufacturing Testing Requirements—Intraoffice Trunks

3. DRAWINGS

For additional drawings forming a part of this specification, see listings under Subdivisions of Equipment and Detailed Index.

SD-25760-01—Keysheet—No. 5 Crossbar System
 SD-25760-02—Current Drain Data

4. EQUIPMENT

J23061G—Reserved

J23061J—A&M Only—Unit for Two Intraoffice Trunks—Flat Rate—Message Register Operation With or Without Timing

Equipment—J23061J-()

List 1—Assembly, equipment, and wiring for two trunks per SD-25684-02, two Fig. 1 and E.

List 3—Equipment and wiring required in addition to list 1 for individual and 2-party message register operation per SD-25684-01 or SD-25684-02, Fig. B.

List 4—Equipment and wiring required in addition to list 1 for message register timing per SD-25684-01, Fig. 1.

Notes

A. In addition, there are options involving wiring only, as follows:

1. Wiring required in addition to list 1 when individual message register operation only is required per SD-25684-01 or SD-25684-02, Fig. A.

B. The timer and drive equipped with cover per SD-25684-01, Fig. 2 and 3, should be ordered separately and mounted in any convenient

23-inch relay rack space that has access to the required fuses.

J23061M—Reserved

J23061N—AT&TCo Std—Unit for One Intraoffice Trunk—Flat Rate

Equipment—J23061N-()

List 1—Assembly, equipment, and wiring for one trunk in accordance with SD-26060-01, Fig. 1, less R and Z options.

List 2—Equipment and wiring required in addition to list 1 when office serves 4-party semiselective, 8-, or 10-party lines in accordance with SD-26060-01, Fig. 1, Z option only.

List 3—Equipment and wiring required in addition to list 1 when answer and disconnect supervision is required in accordance with SD-26060-01, Fig. 1, R option only. (See Notes C and D.)

List 4—AT&TCo Special—Apparatus and wiring required in addition to list 1 when trunk is arranged to function with the wideband link for MOD 1 PICTUREPHONE® in accordance with SD-25060-01, Fig. 1, K option only.

List 5—AT&TCo Special—Apparatus and wiring required in addition to list 1 when trunk is arranged to function with the wideband link for MOD 2 PICTUREPHONE in accordance with SD-26060-01, Fig. 1, H option only.

Notes

A. In addition, there are options involving wiring only as follows:

1. Wiring required in addition to list 1 when answer and disconnect supervision is not required in accordance with SD-26060-01, Fig. 1, S option only.

B. Reserved.

C. Answer and disconnect supervision shall be provided only where PBX lines arranged for toll diversion do not have access to this trunk.

- D. When list 3 is provided, J23061N may be used for intercom calls in an office arranged for centrex service.

J23061Q—AT&TCo Std—Unit for Two Intraoffice Trunks—Message Register Operation—With or Without Timing

Equipment—J23061Q-()

List 1—Assembly, equipment, and wiring required for two trunks arranged for individual message register operation in accordance with SD-26062-01, two Fig. 1.

List 2—Equipment and wiring required in addition to list 1 for message register timing in accordance with SD-26062-01, Fig. 2.

List 3—Equipment and wiring required in addition to list 1 for individual and 2-party message register operation in accordance with SD-26062-01, Fig. 3.

List 4—Equipment and wiring required in addition to list 1 when office serves 4-party semiselective, 8-, or 10-party lines in accordance with SD-26062-01, Fig. 4.

Notes

- A. In addition, there are options involving wiring only, as follows:

1. Wiring required in addition to list 1 when message register timing is not provided in accordance with SD-26062-01, Z option.

- B. Job records need not be maintained for T, V, W, X, and Y options.

J23061R—AT&TCo Std—Unit for One Intraoffice Trunk—Coin—With or Without timing

Equipment—J23061R-()

List 1—Assembly, equipment, and wiring for one trunk in accordance with SD-26064-01, Fig. 1.

List 2—Equipment and wiring required in addition to list 1 for timing in accordance with SD-26064-01, Fig. 2.

List 3—Equipment and wiring required in addition to list 1 when office serves 4-party semiselective, 8-, or 10-party lines in accordance with SD-26064-01, Fig. 3.

List 4—Equipment and wiring required in addition

to list 1 for testing coin supervisory circuits in addition to handling service calls in accordance with SD-26064-01, Fig. 4.

Notes

- A. In addition, there are options involving wiring only, as follows:

1. Wiring required in addition to list 1 when timing is not provided in accordance with SD-26064-01, Z option.

- B. Job records need not be maintained for G, H, J, K, M, N, Q, R, S, T, V, W, X, and Y options.

- C. Option ZA must be used where option A (added on Issue 4D of SD-26064-01 for use with coin timing) is used.

J23061T—AT&TCo Std—Unit for One Reverting Call Trunk for 2-Party Selective 4-Party Semiselective, or 10-Party 5-Code Ringing

Equipment—J23061T-()

List 2—Assembly, equipment, and wiring for one trunk in accordance with SD-26068-01, Fig. 1.

List 3—Equipment and wiring required in addition to list 2 when range extension for unigauge cabling is provided per SD-26068-01, Fig. 2.

Notes

- A. Reserved.

- B. Job records need not be maintained for S option.

J23061U—AT&TCo Std—Unit for One Reverting Call Trunk for 4-Party Selective and 8-Party Semiselective Ringing

Equipment—J23061U-()

List 1—Assembly, equipment, and wiring for one trunk in accordance with SD-26069-01, Fig. 1.

List 2—Apparatus and wiring required in addition to list 1 to provide range extension for

unigauge cabling in accordance with SD-26069-01, Fig. 4.

Notes

A. In addition, there are options involving wiring only, as follows:

1. Wiring required in addition to list 1 when trunk is used with 8-party lines per SD-26069-01, Z option.
2. Wiring required in addition to list 1 when trunk is used with TOUCH-TONE® reception per SD-26069-01, X option.
3. Wiring required in addition to list 1 when range extension for unigauge cabling is not provided in accordance with SD-26069-01, Q option.

B. Job records need not be maintained for Y option.

J23061W—AT&TCo Std—Unit for One Intraoffice Trunk—for Data Service—Message Timing Operation

Equipment—J23061W-()

List 1—Assembly, equipment, and wiring for one intraoffice trunk in accordance with SD-27540-01, Fig. 1.

J23061Y—AT&TCo Std—Unit for Two Intraoffice Trunks—Flat Rate and Automatic Message Accounting—for Use With 4-Wire Trunk Link Frames

Equipment—J23061Y-()

List 1—Assembly, equipment, and wiring for two intraoffice trunks arranged for flat rate service in accordance with SD-27501-01, two Fig. 1.

List 2—Equipment and wiring required in addition to list 1 for AMA operation per SD-27501-01, Fig. 2.

List 3—Equipment and wiring required in addition to list 1 for line preemption per SD-27501-01, Fig. 3.

Notes

A. In addition, there are options involving wiring only, as follows.

1. Wiring required in addition to list 1 when line preemption is not required in accordance with SD-27501-01, X option.
2. Wiring required in addition to list 1 and 2 when AMA operation is required per SD-27501-01, Q option.
3. Wiring required in addition to list 1 when AMA operation is not required per SD-27501-01, R option.

J23061AA—A&M Only—Unit for One Intraoffice Trunk—Flat Rate and Automatic Message Accounting—Arranged for Centrex Service

Equipment—J23061AA-()

List 1—Assembly, equipment, and wiring for one intraoffice trunk in accordance with SD-27579-01, Fig. 1.

List 2—Equipment and wiring required in addition to list 1 for AMA operation in accordance with SD-27579-01, Fig. 2.

List 3—Equipment and wiring required in addition to list 1 for office serving 4-party semiselective, 8-, or 10-party lines in accordance with SD-27579-01, Fig. 3.

List 4—Equipment and wiring required in addition to list 1 when trunk is arranged for dial transfer in accordance with SD-27579-01, Fig. 4, V and Q options.

List 5—Equipment and wiring required in addition to list 1 when trunk is arranged for universal pad control in accordance with SD-27579-01, Fig. 5.

List 6—Equipment and wiring required in addition to list 1 when answer and disconnect supervision is required per SD-27579-01, B option. (See Note C.)

List 7—Wiring and equipment required in addition to list 1 when timing for release of the centrex called station linkage after disconnect is 2 to 5 seconds per SD-27579-01, ZF option.

Notes

A. In addition, there are options involving wiring only, as follows.

1. Wiring required in addition to list 1 when don't answer transfer is not required in accordance with SD-27579-01, T option.
2. Wiring required in addition to list 1 when answer and disconnect supervision is not provided per SD-27579-01, E option.
3. Wiring required in addition to list 1 when answer and disconnect supervision and AMA is provided per SD-27579-01, G option.
4. Wiring required in addition to list 1 when answer and disconnect supervision is provided and AMA is not provided per SD-27579-01, F option.
5. Wiring required in addition to list 1 when timing for release of the centrex called station linkage after disconnect is 13 to 32 seconds per SD-27579-01, ZE option.

B. Job records need not be maintained for Y and Z options.

C. Answer and disconnect supervision is restricted to use with CCSA-type trunk groups and should not be used with exchange trunk groups.

D. When any incoming or intraoffice centrex trunk in a marker group is arranged for short-timed (2 to 5 seconds) release, all such circuits shall be so arranged.

J23061AB—AT&TCo Std—Unit for Two Intraoffice Trunks—Wide Area Data Service

Equipment—J23061AB()

List 2—Assembly, equipment, and wiring for two intraoffice trunks in accordance with SD-27644-01, two Fig. 1 and SD-94820-01, two Fig. 2.

Notes

A. Reserved.

B. Job records need not be maintained for Y and Z options.

J23061AC—A&M Only—Auxiliary Unit for Two Station Ringer Test Trunks

Equipment—J23061AC()

List 1—Assembly, equipment, and wiring for an auxiliary station ringer test unit arranged for two but equipped for one circuit in accordance with SD-26109-01, Fig. 2.

List 2—Equipment and wiring for the second circuit in accordance with SD-26109-01, Fig. 2.

List 3—Apparatus and wiring required in addition to list 1 or 2 to provide range extension for unigauge cabling in accordance with SD-26109-01, Fig. 3.

Notes

A. Reserved.

B. Reserved.

C. This unit is an accessory for J23061S (Mfr Disc.) and is required when J23061S is used for tip party ringer resistance and ground removal test or TOUCH-TONE test.

J23061AD—AT&TCo Std—Unit for One Station Ringer Test Trunk

Equipment—J23061AD()

List 2—Apparatus and wiring required in addition to list 1 to provide range extension for unigauge cabling in accordance with SD-26109-01, Fig. 3.

List 3—Assembly, equipment, and wiring for one station ringer test trunk in accordance with SD-26109-01, Fig. 1, 2, and 4 and SD-94820-01, Fig. 2.

Note

A. In addition, there are options involving wiring only as follows:

1. Wiring required in addition to list 1 when completion to 4-party semiselective, 8-, or 10-party lines is required in accordance with SD-26109-01, Z option.

2. Wiring required in addition to list 1 when completion to 4-party semiselective, 8-, or 10-party lines is not required in accordance with SD-26109-01, Y option.
3. Wiring required in addition to list 1 when TOUCH-TONE test feature is not required in accordance with SD-26109-01, T option.

J23061AF—A&M Only—Unit for Four Auxiliary Intraoffice Trunks—Arranged for Phase I Centrex Service—Universal Pad Control

Equipment—J23061AF-()

- List 1***—Assembly, equipment, and wiring for four auxiliary intraoffice trunk circuits in accordance with SD-26259-01, four Fig. 4.

J23061AG—AT&TCo Std—Unit for Two Intraoffice Trunks With Answer and Disconnect Supervision and Pad Control

Equipment—J23061AG-()

- List 1***—Assembly, equipment, and wiring for two trunks in accordance with SD-26060-01, two Fig. 1 with R option and two Fig. 2. (See Notes C and D.)

Notes

- A. Reserved.
- B. Reserved.
- C. Answer and disconnect supervision shall be provided only where PBX lines arranged for toll diversion do not have access to this trunk.
- D. J23061AG unit may be used for intercom calls in an office arranged for centrex service.

J23061AH—AT&TCo Std—Intraoffice Trunk Arranged for Phase III Centrex With Flat Rate and AMA

Equipment—J23061AH-()

- List 1***—Assembly, wiring, and equipment for one intraoffice trunk arranged for phase III centrex in accordance with SD-27685-01, Fig. 1 and SD-94820-01, Fig. 2.

List 2—Wiring and equipment required in addition to list 1 when trunk is arranged for AMA in accordance with SD-27685-01, Fig. 2.

List 3—Wiring and equipment required in addition to list 1 when trunk is arranged for 4-party semiselective, 8- or 10-party lines in accordance with SD-27685-01, Fig. 3.

List 4—Wiring and equipment required in addition to list 1 when universal pad control is provided in accordance with SD-27685-01, Fig. 4.

List 5—Apparatus and wiring required in addition to list 1 when answer and disconnect supervision is required in accordance with SD-27685-01, M option. (See Note C.)

List 6—A&M Only—Apparatus and wiring required in addition to list 1 when timed release of the called linkage on called party disconnect is 2 to 2.4 seconds in accordance with SD-27685-01, R, G, and H options.

Notes

- A. In addition there are options involving wiring only as follows:
 1. Wiring required in addition to list 1 when answer and disconnect supervision is not required in accordance with SD-27685-01, N option.
- B. Office records need not be maintained for X, Y, and Z options.
- C. Answer and disconnect supervision is restricted to use with dedicated CCSA-type trunk groups and should not be used with exchange trunk groups.
- D. AT&TCo Special—Apparatus and wiring required in addition to list 1 when timed release of the called linkage on called party disconnect is 2 to 2.4 seconds in accordance with SD-27685-01, Q, G, and H options.
- E. The standard timed release of the called linkage on called party disconnect is 1.2 to 1.6 seconds. If any trunk in a marker group is arranged for this timing, all such trunks shall also have 1.2 to 1.6 second timed release. If this trunk featuring short timing is part of a CCSA trunk group, all other trunks in the customer group shall be similarly arranged.

J23061AJ—AT&T Co Std—Revertive Call TOUCH-TONE Translator Unit

Equipment—J23061AJ-()

List 1—Assembly, equipment, and wiring for two revertive call TOUCH-TONE translator circuits in accordance with SD-26069-01, two Fig. 2.

Notes

A. Reserved.

B. The translator unit and receiving unit shall be mounted on the same relay rack frame. Cable length not to exceed 21.7 feet.

J23061AK—AT&T Co Std—Revertive Call TOUCH-TONE Tone Unit

Equipment—J23061AK-()

List 1—Assembly, equipment, and wiring for one revertive call TOUCH-TONE 440-cycle second dial tone unit in accordance with SD-26069-01, Fig. 3, to provide for five revertive call circuits.

List 2—Equipment and wiring in addition to list 1 for second tone circuit in accordance with SD-26069-01, Fig. 3, to provide for an additional five revertive call circuits.

J23061AL—A&M Only—Unit for One Auxiliary Intraoffice Trunk for Use With Trunks per H599-233

Equipment—J23061AL-()

List 1—Assembly for one auxiliary intraoffice trunk arranged for but not including SD-26259-01, ZF option and Fig. 3.

List 2—Equipment and wiring required in addition to list 1 for dial transfer per SD-26259-01, Fig. 3.

List 3—Equipment and wiring required in addition to list 1 if list 2 is not provided per SD-26259-01, ZF option.

List 4—Equipment and wiring required in addition to list 1 or list 1 and 3 when release of called station linkage within 2 to 5 seconds after called station goes on-hook is required per SD-26259-01, ZT option.

Notes

A. Wiring required in addition to list 1 or list 1 and 3 when release of called station linkage within 13 to 32 seconds after called station has gone on-hook is required per SD-26259-01, ZU option.

J23061AN—A&M Only—Unit for Six Auxiliary Station Ringer Test Trunks per SD-25927-01 to Provide for Range Extension for Unigauge Cabling

Equipment—J23061AN-()

List 1—Assembly, equipment, and wiring for one auxiliary station ringer test trunk for use with station ringer test trunk per SD-25927-01, Fig. 3 (arranged for six, equipped for one).

List 2—Equipment and wiring required in addition to list 1 for second, third, fifth, or sixth auxiliary station ringer test trunk per SD-25927-01, Fig. 3.

List 3—Equipment and wiring required in addition to list 1 for the fourth auxiliary station ringer test per SD-25927-01, Fig. 3.

J23061AP—AT&T Co Std—Unit for One Intraoffice Trunk—Flat Rate—AMA

Equipment—J23061AP-()

List 1—Assembly, equipment, and wiring for one intraoffice trunk with flat rate service in accordance with SD-27915-01, Fig. 1.

List 2—Equipment and wiring required in addition to list 1 for AMA operation in accordance with SD-27915-01, Fig. Z.

List 3—Equipment and wiring required in addition to list 1 for office serving 4-party semiselective, 8-, or 10-party lines in accordance with SD-27915-01, Fig. 3.

Notes

A. Reserved.

B. Job records need not be maintained for Y and E options.

***J23061AT—A&M Only—Auxiliary Station Ringer
Test Unit (Arranged for Three Circuits)
For Timed Disconnect***

Equipment—J23061AT-()

List 1—Assembly, equipment, and wiring for one auxiliary station ringer test unit for timed disconnect to prevent the test unit being held off-normal when the station is removed from the line with the circuit in ringing condition in accordance with SD-26109-01, Fig. 4 and SD-94820-01, Fig. 2.

List 2—Equipment and wiring required in addition to list 1 for each additional auxiliary station ringer test circuit for timed disconnect (max. three circuits per plate) in accordance with SD-26109-01, Fig. 4 and SD-94820-01, Fig. 2.

Notes

A. Reserved.

B. This unit is intended for use with station ringer test units per J23061S or J23061AD when they are modified in the field.

***H599-233—A&M Only—Unit for One Intraoffice
Trunk With Transfer—Flat Rate and
Automatic Message Accounting for
Use With Phase I Centrex Service***

Equipment—H599-233

List 1—Assembly, wiring, and equipment for one intraoffice trunk with transfer, per SD-26259-01, Fig. 1. (See Note C.)

List 2—Wiring and apparatus required in addition to list 1 when office serves 4- or 8-party semiselective lines, per SD-26259-01, Fig. 2.

List 4—Equipment and wiring required in addition to list 1 when attendant and dial transfer are provided in accordance with SD-26259-01, S option. (See Note C.)

List 5—Equipment and wiring required in addition to list 1 when release of called station linkage within 2 to 5 seconds after called station goes on-hook is required per SD-26259-01, ZT option.

Notes

A. In addition, there are options involving wiring only as follows:

1. Wiring required in addition to list 1 when attendant transfer only is provided in accordance with SD-26259-01, W option.

2. AT&TCo Special—Wiring required in addition to list 1 when dial digit "1" for transfer is provided in accordance with SD-26259-01, V option.

3. Wiring required in addition to list 4 when don't answer transfer auxiliary is not provided in accordance with SD-26259-01, Z option.

4. Wiring required in addition to list 1 when answer and disconnect supervision is required per SD-26259-01, ZN option. (See Note E.)

5. Wiring required in addition to list 1 to provide timed switchhook flash for transfer per SD-26259-01, V and ZF options.

6. Wiring required in addition to list 1 when answer and disconnect supervision is not required per SD-26259-01, ZS option.

B. Job records need not be maintained for X or Y option.

C. J23061AE unit is required when H599-233 unit is arranged for dial transfer.

D. Auxiliary per J23061AL always required in addition to list 1.

E. Answer and disconnect supervision is restricted to use with CCSA-type trunk groups and should not be used with exchange trunk groups.

F. Wiring required in addition to list 1 when release of called station linkage within 13 to 32 seconds after called station goes "on-hook" is required per SD-26259-01, ZU option.

5. GENERAL NOTES

5.01 For nonrecord options, involving straps on the switchboard cable side of trunk unit terminal strips, wiring shall be installed after the

switchboard cable has been connected in order to make the straps accessible for possible changes. These options are not included as lists in this specification, since job records need not be maintained for them.

List of A&M Only and Mfr Disc. Equipment

EQUIPMENT	RATING	DETAILS LAST SHOWN IN ISSUE	REPLACING EQUIPMENT	EQUIPMENT	RATING	DETAILS LAST SHOWN IN ISSUE	REPLACING EQUIPMENT
J23061A	Mfr Disc.	4	J23061N	J23061L	Mfr Disc.	5	J23061S
L2	Mfr Disc.	2	—	L2	Mfr Disc.	3	—
J23061B	Mfr Disc.	4	J23061P	J23061P	Mfr Disc.	10	J23061AP
L2	Mfr Disc.	2	—	J23061S	Mfr Disc.	6	J23061AD
J23061C	Mfr Disc.	5	J23061T	J23061T,L1	Mfr Disc.	8	J23061T,L2
L2	Mfr Disc.	2	—	J23061AA	A&M Only	8	—
J23061D	Mfr Disc.	1	J23061K	J23061AB,			
J23061E	Mfr Disc.	2	J23061L	L1	Mfr Disc.	7	J23061AB,L2
J23061F	Mfr Disc.	5	J23061U	J23061AC	A&M Only	6	J23061AD
L2	Mfr Disc.	2	—	J23061AD,			
J23061H	Mfr Disc.	4	23061P	L1	Mfr Disc.	10	J23061AD,L3
L2	Mfr Disc.	2	—	J23061AE	Mfr Disc.	8	J23061AL
J23061J	A&M Only	5	J23061N	J23061AF	A&M Only		—
			J23061Q	J23061AL	A&M Only	9	—
L2	Mfr Disc.	2	—	J23061AM	Mfr Disc.	10	J23071EH
J23061K	Mfr Disc.	4	J23061R	J23061AN	A&M Only	9	—
L3	Mfr Disc.	2	—	J23061AR	A&M Only	10	—
				J23061AT	A&M Only	11	—
				H599-233	A&M Only		H599-233,L5
				L3 & L5	Mfr Disc.	8	H599-233, Note 5

The above equipment has been replaced as indicated. Where A&M Only items appear, the issue numbers

shown are those of the issue in which the rating was first applied.

Bell Telephone Laboratories, Incorporated

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