

**TRUNKS AND LINES EQUIPMENT UNITS
ASSOCIATED WITH LINE LINK FRAMES
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 trunks and lines associated with line link frames for use in No. 5 Crossbar System.

1.02 This specification is reissued:

- (a) To provide equipment information for J23056CA and J23056CB in accordance with SD-28048-01, Issue 1.
- (b) To provide equipment information for J23056BW, J23056BX, and J23056BY in accordance with SD-28040-01, Issue 1.

(c) To rerate J23056BT and J23056BU A&M Only, this change agrees with SD-27981-01, Issue 3D.

(d) To rerate J23056BH, J23056BJ, and J23056BK A&M Only, this change agrees with SD-27830-01, Issue 11D.

(e) To add list information to J23056BH, J23056BJ, and J23056BK.

DESCRIPTION

1.03 The units listed herein provide the equipment for various trunks and lines associated with line link frames. These 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

WE 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	CKT PER UNIT	MTG PLTS PER UNIT
J23056G	AT&TCo Std	Unit for Two Off. PBX or Verif Req Trk — From Line Lk Fr to Central Swbd	J23056G-()	SD-25696-01	2	3
J23056H	AT&TCo Std	Unit for Three Aux Lines for 10-Party Sub Lines With Stations Eqpd With Tube Sets	J23056H-()	SD-25688-01	3	2 or 3
J23056J	AT&TCo Std	Unit for One Aux Coin Line — For Use With Coin Sub Lines Eqpd With 191-Type or Equiv Coin Collectors	J23056J-()	SD-25907-01	1	2
J23056K	AT&TCo Std	Unit for Two Aux Lines For Use Where 2-Way Service is Furnished to a Com Line From Two Offices in One Mkr Grp	J23056K-()	SD-25697-01	2	1
J23056L	AT&TCo Std	Unit for Two Aux Lines For Use Where Term, Only Service is Furnished to a Com Line From Two Offices in One Mkr Grp	J23056L-()	SD-25697-01	2	1
J23056M	AT&TCo Std	Unit for Two OGT — For Info Service From Line Lk Fr — High-Low Supv	J23056M-()	SD-25698-01	2	3
J23056P	AT&TCo Std	Unit for One Aux Line For Use Where Service is Furnished to Com Line From More Than One Office in the Same Bldg	J23056P-()	SD-25697-01	1	2
J23056T	AT&TCo Std	Unit for One Dial Long Line — Coin	J23056T-()	SD-26130-01	1	2
J23056V	AT&TCo Std	Unit for One OGT From Line Lk Fr for Info, Repair, Official PBX, or Verif Req Serv — E&M Lead Supv	J23056V-()	SD-26094-01	1	1
J23056W	AT&TCo Std	Unit for Two Outgoing Intercepting Trk — Rev Bat. Supv	J23056W-()	SD-26122-01	2	3

EQUIPMENT CODE	RATING OF UNIT	TITLE	EQUIPMENT DRAWING	CIRCUIT DRAWING	CKT PER UNIT	MTG PLTS PER UNIT
J23056X	AT&TCO Std	Unit for Outgoing Intercepting Trk Unit — E&M Lead Supv	J23056X-()	SD-26122-01	1	2
J23056Y	A&M Only	Unit for Outgoing Aux Line — For Public Emergency Reporting Service	J23056Y-()	SD-26164-01	1	2, 3, or 4
J23056AB	AT&TCO Std	Unit for One Emergency Line to Distant Toll or DSA Swbd	J23056AB-()	SD-26138-01	1	2
J23056AC	AT&TCO Std	Emergency Line to Distant Toll or DSA Swbd — E&M Lead Supv	J23056AC-()	SD-26128-01	2	5
J23056AD	AT&TCO Std	Unit for Two 4-Wire Operator Originating Lines	J23056AD-()	SD-27511-01	2	5
J23056AE	AT&TCO Std	Unit for Two 4-Wire Intercepting Trks — From Line Lk Fr to No. 5D Toll Swbd in Same Bldg	J23056AE-()	SD-27512-01	2	3
J23056AF	AT&TCO Std	Unit for Four Aux Lines for Data Service — Term. Only	J23056AF-()	SD-27543-01	4	1
J23056AG	AT&TCO Std	Unit for One Aux Line — E&M Lead Supv, Office End for Use With 4-Wire Lines	J23056AG-()	SD-27516-01	1	2
J23056AK	AT&TCO Std	Unit for One Intercept Juncter — From Line Lk Fr to Line Lk Fr — For Routing Incpt Calls to a Zero Operator	J23056AK-()	SD-27595-01	1	1
J23056AL	AT&TCO Std	Unit for Two Lines — Line Lk Pulsing — Rev Bat. Supv	J23056AL-()	SD-27617-01	2	3
J23056AM	AT&TCO Std	Unit for Two Lines — Line Lk Pulsing — E&M Lead Supv	J23056AM-()	SD-27619-01	2	3
J23056AN	A&M Only	Unit for One 2-Way Line — Line Lk Pulsing — E&M Lead Supv	J23056AN-()	SD-27620-01	1	2
J23056AP	AT&TCO Std	Aux Line Unit — Controlling Call Gating and Line-Busy for WADS	J23056AP-()	SD-27639-01	1	1

EQUIPMENT CODE	RATING OF UNIT	TITLE	EQUIPMENT DRAWING	CIRCUIT DRAWING	CKT PER UNIT	MTG PLTS PER UNIT	
J23056AR	AT&TCo Std	Unit for One 2-Way Line — Line Lk Pulsing — Loop Supv	J23056AR-()	SD-27618-01	1	2	○
J23056AS	AT&TCo Std	Announcement Trk Unit — For Use With 4-Wire Line Lk Fr	J23056AS-()	SD-27647-01	1	1	○
J23056AT	AT&TCo Std	Unit for One Intercept Trk From Line Lk Fr for Regular and Trouble Intercept — WADS	J23056AT-()	SD-27645-01	1	1	○
J23056AU	A&M Only	Unit for Two 2-Way Line Ckt — Line Lk Pulsing — E&M Lead Supv — M Lead Pulsing By Sdr	J23056AU-()	SD-27669-01	2	5	○
J23056AW	A&M Only	Unit For Four Aux Dial Long Lines — For Use With 2-Party Message Rate Lines	J23056AW-()	SD-26129-01	4	1	
J23056AY	AT&TCo Std	Unit for One 4-Wire Aux Line Arranged for Multi- level Preemption	J23056AY-()	SD-27738-01	1	5	○
J23056BA	AT&TCo Std	Unit for One 4-Wire Listed Directory Number and Intercept Trunk From 4-Wire Line Link Frames to No. 5D Toll Swbd in Same Building	J23056BA-()	SD-27747-01	1	2	○
J23056BB	A&M Only	Supl Outgoing Aux Line For Public Emer Rept Serv — False Tip and Ring Grd Det Alm	J23056BB-()	SD-26164-01	1	1	
J23056BC	AT&TCo Std	Out Aux Line Unit — For Public Emer Rept Serv Control Unit	J23056BC-()	SD-26164-01	1	3	○
J23056BD	AT&TCo Std	Out Aux Line — For Public Emer Rept Serv — Line Appearance Unit	J23056BD-()	SD-26164-01	3	2	○
J23056BE	AT&TCo Std	Unit for One 4-Wire Aux Line Arranged for Off- Hook Service	J23056BE-()	SD-27803-01	1	3	○
J23056BF	AT&TCo Std	Line Unit — LLP Using MF Sender — Auto. Intercept Service — Rev Bat. Supervision	J23056BF-()	SD-27729-01	1	1	○

EQUIPMENT CODE	RATING OF UNIT	TITLE	EQUIPMENT DRAWING	CIRCUIT DRAWING	CKT PER UNIT	MTG PLTS PER UNIT
J23056BG	AT&TCO Std	Line Unit — LLP Using MF Sender — Auto. Intercept Service — E&M Lead Supervision	J23056BG-()	SD-27730-01	1	1
J23056BH	A&M Only	Auto. Call Distributor Line Unit Arranged for Rev Battery Supervision	J23056BH-()	SD-27830-01	1	2
J23056BJ	A&M Only	Auto. Call Distributor Line Unit Arranged for High-Low Supervision	J23056BJ-()	SD-27830-01	1	2
J23056BK	A&M Only	Auto. Call Distributor Line Unit Arranged for E&M Lead Supervision	J23056BK-()	SD-27830-01	1	2
J23056BL	A&M Only	Unit for One Line Ckt for AIS — E&M Lead Supv	J23056BL-()	SD-27892-01	1	2
J23056BM	A&M Only	Unit for One Line Ckt for AIS — Rev Bat. Supv	J23056BM-()	SD-27893-01	1	2
J23056BN	A&M Only	Unit for One 2-Way Line Ckt — Line Lk Pulsing — E&M Lead Supv — M Lead Pulsing by Sdr	J23056BN-()	SD-27669-01	1	3
J23056BP	A&M Only	Supplementary Unit for Two 2-Way Line Circuits — Line Lockout	J23056BP-()	SD-27669-01	2	1
J23056BR	AT&TCO Std	Unit for One 2-Way Line — E&M Lead Supv — M Lead Pulsing By Sdr for Test from Improved Testboard No. 17E. (LLP)	J23056BR-()	SD-27942-01	1	3
J23056BS	AT&TCO Std	Unit for Three Aux Lines for Term. Service Only — for Use With Sub Lines, Man. PBX TRK, ORD Turrets, and Key Eqpt	J23056BS-()	SD-26165-01	3	1
J23056BT	A&M Only	Unit for One ACD Line — Regular, Trouble, and Machine Intercept Service — Rev Hi-Low Supv	J23056BT-()	SD-27981-01	1	4
J23056BU	A&M Only	Unit for One ACD Line — Regular, Trouble, and Machine Intercept Service — E&M Lead Supv	J23056BU-()	SD-27981-01	1	3

EQUIPMENT CODE	RATING OF UNIT	TITLE	EQUIPMENT DRAWING	CIRCUIT DRAWING	CKT PER UNIT	MTG PLTS PER UNIT	
J23056BW	AT&TCo Std	Unit For One Line Circuit For Automatic Call Distributor Arranged For Operator Initiated Transfer And Operator Announcement — Rev Bat. Supv	J23056BW-()	SD-28040-01	1	4	
J23056BX	AT&TCo Std	Unit For One Line Circuit For ACD Arranged For Operator Initiated Transfer And Operator Announcement High-Low Supv	J23056BX-()	SD-28040-01	1	4	 
J23056BY	AT&TCo Std	Unit For One Line Circuit For ACD — Arranged For Operator Initiated Transfer And Operator Announcement E and M Lead Supv	J23056BY-()	SD-28040-01	1	4	
J23056CA	AT&TCo Std	Unit For One ACD Line Arranged For Call Transfer — Regular, Trouble, And Machine Intercept Service High-Low Supv	J23056CA-()	SD-28048-01	1	6	
J23056CB	AT&TCo Std	Unit For One ACD Line Arranged For Call Transfer — Regular, Trouble, And Machine Intercept Service E and M Lead Supv	J23056CB-()	SD-28048-01	1	5	
H-599-210	Special	Unit for One Auxiliary Line Circuit — Arranged for Customer Group Service	H-599-210	ES-26277-01	1	1	
J23056AH } J23056AJ }	Reserved						 

Circuit Schematic Index

CIRCUIT DRAWING	J23056 EQUIP CODE
ES-26277-01	H-599-210
SD-25662-01	A
SD-25688-01	H
SD-25696-01	G
SD-25697-01	K,L,P
SD-25698-01	M
SD-25824-01	C
SD-25907-01	J
SD-26094-01	V
SD-26122-01	W,X
SD-26128-01	C
SD-26129-01	AW
SD-26130-01	T
SD-26138-01	AB
SD-26164-01	Y,BB,BC,BD
SD-26165-01	BS
SD-27511-01	AD
SD-27512-01	AE
SD-27516-01	AG
SD-27543-01	AF
SD-27595-01	AK
SD-27617-01	AL
SD-27618-01	AR
SD-27619-01	AM
SD-27620-01	AN
SD-27639-01	AP
SD-27645-01	AT
SD-27647-01	AS
SD-27669-01	AU,BN,BP
SD-27729-01	BF
SD-27730-01	BG
SD-27738-01	AY
SD-27747-01	BA
SD-27803-01	BE
SD-27830-01	BH,BJ,BK
SD-27891-01	BT,BU
SD-27892-01	BL
SD-27893-01	BM
SD-27942-01	BR
SD-28040-01	BW,BX,BY
SD-28048-01	CA,CB

2. SUPPLEMENTARY INFORMATION

819-000-000—No. 5 Crossbar System Index
 800-600-000—Checking List—General Equipment

Requirements

J23064—819-601-150—Relay Rack Specification for
 Trunk Units and Relay Equipment
 J29259—819-005-150—General Outline—No. 5 Crossbar
 System

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—No. 5 Crossbar System—Current Drain
 Data Sheet

4. EQUIPMENT

*J23056A—A&M Only—Unit for One Outgoing
 Trunk—Regular or Trouble Intercepting
 (Mfr Disc.)—Verification Request*

Equipment—ED-25705-01

List 1—Assembly, equipment, and wiring for one
 verification request trunk per SD-25662-01,
 Fig. 1, less all options.

List 5—Equipment and wiring required in addition
 to list 1 when 1000-cycle trunk impedance
 is 1100 ohms or less per SD-25662-01,
 Fig. 1, Y option only.

List 6—Equipment and wiring required in addition
 to list 1 when 1000-cycle trunk impedance
 is greater than 1100 ohms per SD-25662-01,
 Fig. 1, W option only.

*J23056C—AT&T Co Std—Unit for Five
 No-Such-Number Signal Tone Trunks*

Equipment—J23056C-()

List 1—Assembly, equipment, and wiring for three
 trunks per SD-25824-01, three Fig. 1; this
 unit has capacity for five trunks.

List 2—Equipment and wiring required in addition
 to list 1 for one additional trunk per
 SD-25824-01, Fig. 1.

*J23056G—AT&T Co Std—Unit for Two Official
 PBX or Verification Request
 Trunks—From Line Link Frame to
 Central Switchboard*

Equipment—J23056G-()

List 1—Assembly, equipment, and wiring for two trunks per SD-25696-01, two Fig. 1.

List 3—Equipment and wiring required in addition to list 1 when more than one number group appearance is required in accordance with SD-25696-01, Fig. 1, Y option.

Note

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

1. Wiring required in addition to list 1 when list 3 is not provided per SD-25696-01, Fig. 1, Z option.

J23056H—AT&T Co Std—Unit for Three Auxiliary Lines for 10-Party Subscriber Lines With Stations Equipped With Tube Sets

Equipment—J23056H-()

List 1—Assembly, equipment, and wiring for three auxiliary lines per SD-25688-01, three Fig. 1.

List 2—Equipment and wiring required in addition to list 1 for ringing both 8-party semiselective and 10-party lines from a 6-wire ringing selection switch per SD-25688-01, Fig. 3.

J23056J—AT&T Co Std—Unit for One Auxiliary Coin Line—For Use With Coin Subscriber Lines Equipped With 191-Type or Equivalent Coin Collectors

Equipment—J23056J-()

List 1—Assembly, equipment, and wiring for one auxiliary coin line per SD-25907-01, Fig. 1.

J23056K—AT&T Co Std—Unit for Two Auxiliary Lines—For Use Where 2-Way Service Is Furnished to a Common Line from Two Offices in One Marker Group

Equipment—J23056K-()

List 1—Assembly, equipment, and wiring for two auxiliary lines per SD-25697-01, two Fig. 8.

J23056L—AT&T Co Std—Unit for Two Auxiliary Lines—For Use Where Terminating Only Service Is Furnished to a Common Line From Two Offices in One Marker Group

Equipment—J23056L-()

List 1—Assembly, equipment, and wiring for two auxiliary lines per SD-25697-01, two Fig. 9 (for first, third, fifth, etc, units ordered).

List 2—Assembly, equipment, and wiring for two auxiliary lines per SD-25697-01, two Fig. 9 (for second, fourth, sixth, etc, units ordered).

List 3—Equipment and wiring required in addition to either list 1 or 2 when line serves B service assistant circuit or official PBX trunk per SD-25697-01, Fig. C.

Notes

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

1. Wiring required in addition to list 1 or 2 when line serves a subset or chief attendant per SD-25697-01, Fig. D.

B. Units per list 1 and 2 shall be mounted alternately on relay rack. No two similar units shall be mounted adjacent. A 192B (blank) mounting plate shall be mounted between each group of lists 1 and 2 and a unit of another type.

J23056M—AT&T Co Std—Unit for Two Outgoing Trunks—For Information Service From Line Link Frame—High-Low Supervision

Equipment—J23056M-()

List 1—Assembly, equipment, and wiring for two trunks per SD-25698-01, two Fig. 1.

J23056P—AT&T Co Std—Unit for One Auxiliary Line—For Use Where Service Is Furnished to a Common Line From More Than One Office in the Same Building

Equipment—J23056P-()

List 1—Assembly, common equipment, and wiring for one auxiliary line for connecting to two No. 5 crossbar marker groups or one

No. 5 marker group and one No. 1 crossbar office group, with capacity for one additional marker group or office group, equipped with a sleeve circuit for the first No. 5 group per SD-25697-01, Fig. 1 and 6.

List 2—Equipment and wiring required in addition to list 1 for connection to a third No. 5 crossbar marker group or a No. 1 crossbar office group when list 1 serves two No. 5 groups or a No. 5 and a No. 1 group per SD-25697-01, Fig. 2.

List 3—Equipment and wiring required in addition to list 1 for incoming busy circuit when auxiliary line serves B service assistant circuit or official PBX trunk per SD-25697-01, Fig. 3.

List 4—Equipment and wiring required in addition to list 1 when the auxiliary line provides 2-way service per SD-25697-01, Fig. 4.

List 5—Equipment and wiring required in addition to list 1 when the auxiliary line provides terminating only service per SD-25697-01, Fig. 5.

List 6—Equipment and wiring required in addition to list 1 for sleeve circuit for the second marker group or in addition to list 2 for the third No. 5 crossbar marker group per SD-25697-01, Fig. 6.

List 7—Equipment and wiring required in addition to list 1 or 2 for sleeve circuit for each No. 1 crossbar office group per SD-25697-01, Fig. 7.

Caution: When a list 6 and 7 are provided with list 1 and 2, the list 7 shall be associated with list 2.

Note

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

1. Wiring required in addition to list 1 and 2 for connecting to a No. 5 crossbar marker group per SD-25697-01, Fig. A.
2. Wiring required in addition to list 1 or 2 for connecting to a No. 1 crossbar office group, per SD-25697-01, Fig. B.

J23056T—AT&TCo Std—Unit for One Dial Long Line—Coin

Equipment—J23056T-()

List 1—Assembly, equipment, and wiring required for one dial long line in accordance with SD-26130-01, App Fig. 1.

List 2—Equipment and wiring required in addition to list 1 when this unit is used in a No. 1 ESS office per SD-26130-01, Fig. 2. (See Note C.)

Notes

A. Wiring required as follows:

1. Wiring required in addition to list 1 when connections to No. 1 ESS is required per SD-26130-01, V option.
2. Wiring required in addition to list 1 when connections to No. 1 ESS are not required per SD-26130-01, W option.

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

C. One list 2 required for each group of five list 1 or fraction thereof.

J23056V—AT&TCo Std—Unit for One Outgoing Trunk from Line Link Frame—For Information, Repair, Official PBX, or Verification Request Service—E and M Lead Supervision

Equipment—J23056V-()

List 1—Assembly, equipment, and wiring for one trunk in accordance with SD-26094-01, App Fig. 1.

List 2—Equipment and wiring required in addition to list 1 when trunk connects to terminating circuit with 600-ohm impedance in accordance with SD-26094-01, App Fig. 2.

Note

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

1. Wiring required in addition to list 1 when trunk connects to terminating circuit with 900-ohm impedance in accordance with SD-26094-01, Z option.

J23056W—AT&T Co Std—Unit for Two Outgoing Intercepting Trunks—Reverse Battery Supervision

Equipment—J23056W-()

List 1—Assembly, equipment, and wiring for two trunks in accordance with SD-26122-01, two App Fig. 1 and 2.

Note

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

1. Wiring required in addition to list 1 when machine announcement intercepting is required in accordance with SD-26122-01, V option.
2. Wiring required in addition to list 1 when a subgroup busy indication to the number group is required in accordance with SD-26122-01, Y option.

J23056X—AT&T Co Std—Unit for Outgoing Intercepting Trunk Unit—E and M Supervision

Equipment—J23056X-()

List 1—Assembly, equipment, and wiring for one trunk in accordance with SD-26122-01, App Fig. 1 and 3.

List 2—Equipment and wiring required in addition to list 1 when terminating circuit appears as 600 ohms in accordance with SD-26122-01, App Fig. 4.

Notes

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

1. Wiring required in addition to list 1 when machine announcement intercepting is required in accordance with SD-26122-01, V option.
2. Wiring required in addition to list 1 when a subgroup busy indication to the number group is required in accordance with SD-26122-01, Y option.

3. Wiring required in addition to list 1 when terminating circuit appears as 900 ohms in accordance with SD-26122-01, Z option.

4. Wiring required in addition to list 1 when more than one type of intercepting is required in accordance with SD-26122-01, T option.

B. Office records need not be maintained for options K and M.

J23056Y—A&M Only—Unit for Outgoing Auxiliary Line—For Public Emergency Reporting Service

Equipment—J23056Y-()

List 2—Equipment and wiring required in addition to list 1 when three additional line link appearances are required in accordance with SD-26164-01, three Fig. 2.

Notes

A. Reserved.

B. Reserved.

C. Two list 2 maximum can be associated with one list 1.

J23056AB—AT&T Co Std—Unit for One Emergency Line to Distant Toll or DSA Switchboard

Equipment—J23056AB-()

List 1—Assembly, equipment, and wiring for one emergency line unit in accordance with SD-26138-01, Fig. 1.

List 2—Equipment and wiring required in addition to list 1 for emergency transfer control in accordance with SD-26138-01, Fig. 2, provide for first equipped unit of each group of 100 emergency line units.

List 3—Equipment and wiring required in addition to each list 1 when delay circuit for transfer of recording completing, special service, or vacant code intercepting (noncoin) trunks is required in accordance with SD-26138-01, Fig. 3.

List 4—Equipment and wiring required in addition to list 1 and 3 when transfer of recording-completing, special service, or

vacant code intercepting (noncoin) trunks is required in accordance with SD-26138-01, Fig. 4, provide for first equipped unit of each group of ten emergency line units.

List 5—Equipment and wiring required in addition to list 1 when transfer of information or intercepting is required in accordance with SD-26138-01, Fig. 4, provide for first equipped unit of each group of ten emergency line units.

Notes

A. Reserved.

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

J23056AC—AT&TCo Std—Emergency Line to Distant Toll or DSA Switchboard—E&M Lead Supervision

Equipment—J23056AC()

List 1—Assembly, equipment, and wiring for two emergency lines with E&M lead supervision in accordance with SD-26128-01, two Fig. 1.

List 2—Equipment and wiring required in addition to list 1 when trunks connect to terminating circuit with 600-ohm impedance in accordance with SD-26128-01, two Fig. 2.

List 3—Equipment and wiring required in addition to list 1 for transfer control over separate conductor in accordance with SD-26128-01, two Fig. 3. Provide on first unit only of each group of 50 emergency line units.

List 4—Equipment and wiring required in addition to list 1 in accordance with SD-26128-01, two Fig. 4. Provide on first equipped unit only of each group of ten emergency line units transferred from

(a) intercepting trunks on line link frame or information trunks, or

(b) special service, recording-completing, or vacant code intercepting trunks (noncoin).

List 5—Equipment and wiring required in addition to list 1 when transfer of recording-completing, special service, and vacant code intercepting trunks (noncoin) is required in accordance with SD-26128-01, two Fig. 5.

Notes

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

1. Wiring required in addition to list 1 when trunks connect to terminating circuit with 900-ohm impedance in accordance with SD-26128-01, Z option.

2. Wiring required in addition to list 1 when transfer of intercept and information (noncoin) trunks is required in accordance with SD-26128-01, V option.

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

J23056AD—AT&TCo Std—Unit for Two 4-Wire Operator Originating Lines

Equipment—J23056AD()

List 1—Assembly, equipment, and wiring for two originating lines in accordance with SD-27511-01, two Fig. 1.

J23056AE—AT&TCo Std—Unit for Two 4-Wire Intercepting Trunks— From Line Link Frame to No. 5D Toll Switchboard in Same Building

Equipment—J23056AE()

List 1—Assembly, equipment, and wiring for two intercepting trunks in accordance with SD-27512-01, two Fig. 1.

J23056AF—AT&TCo Std—Unit for Four Auxiliary Lines for Data Service— Terminating Only

Equipment—J23056AF()

List 1—Assembly, equipment, and wiring for four auxiliary lines in accordance with SD-27543-01, four Fig. 1 and one Fig. 2.

J23056AG—AT&TCo Std—Unit for One Auxiliary Line—E and M Lead Supervision, Office End for Use With 4-Wire Lines

Equipment—J23056AG()

List 2—Assembly, equipment, and wiring for one auxiliary line in accordance with SD-27516-01, Fig. 1.

List 3—Equipment and wiring required in addition to list 2 when seizure signal to distant end is convertible between steady off-hook and a series of wink signals in accordance with SD-27516-01, Z option.

Notes

A. Reserved.

B. Job records need not be maintained for T and V options.

J23056AH—Reserved

J23056AJ—Reserved

J23056AK—*AT&T Co Std—Unit for One Intercept Junctor—From Line Link Frame To Line Link Frame—For Routing Intercept Calls to a Zero Operator*

Equipment—J23056AK-()

List 1—Assembly, equipment, and wiring for one intercept junctor in accordance with SD-27595-01, Fig. 1.

J23056AL—*AT&T Co Std—Unit for Two Lines—Line Link Pulsing—Reverse Battery Supervision*

Equipment—J23056AL-()

List 1—Assembly, equipment, and wiring for two lines in accordance with SD-27617-01, two Fig. 1.

List 2—Equipment and wiring required in addition to list 1 when this circuit is used to serve a satellite PBX in a phase III centrex office, in accordance with SD-27617-01, Fig. 2.

Notes

A. Reserved.

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

J23056AM—*AT&T Co Std—Unit for Two Lines—Line Link Pulsing—E and M Lead Supervision*

Equipment—J23056AM-()

List 1—Assembly, equipment, and wiring for two lines in accordance with SD-27619-01, two Fig. 1.

List 2—Equipment and wiring required in addition to list 1 when this circuit is used to serve a satellite PBX in a phase III centrex office, in accordance with SD-27619-01, Fig. 2.

Notes

A. Reserved.

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

J23056AN—*A&M Only—Unit for One 2-Way Line—Line Link Pulsing—E and M Lead Supervision*

Equipment—J23056AN-()

List 1—Assembly, equipment, and wiring for one 2-way line in accordance with SD-27620-01, Fig. 1.

List 2—Equipment and wiring required in addition to list 1 when this circuit is used to serve a satellite PBX in a phase III centrex office, in accordance with SD-27620-01, Fig. 2.

Notes

A. Reserved.

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

J23056AP—*AT&T Co Std—Auxiliary Lines Unit—Controlling Call Gating and Line-Busy for WADS*

Equipment—J23056AP-()

List 1—Assembly, equipment, and wiring for one auxiliary line in accordance with SD-27639-01, Fig. 1.

Notes

- A. Reserved.
- B. Job records need not be maintained for W, X, Y, and Z options.

J23056AR—AT&T Co Std—Unit for One 2-Way Line—Line Link Pulsing—Loop Supervision

Equipment—J23056AR-()

List 1—Assembly, equipment, and wiring for one 2-way line in accordance with SD-27618-01, Fig. 1.

List 2—Equipment and wiring required in addition to list 1 when these circuits are used to serve a satellite PBX in a phase III centrex office in accordance with SD-27618-01, Fig. 2.

Notes

- A. Reserved.
- B. Job records need not be maintained for X, Y and Z options.

J23056AS—AT&T Co Std—Announcement Trunk Unit—For Use With 4-Wire Line Link Frame

Equipment—J23056AS-()

List 1—Assembly, equipment, and wiring for one announcement trunk for use with 4-wire line link frames in accordance with SD-27647-01, Fig. 1.

Notes

- A. Reserved.
- B. Job records need not be maintained for X and W options.

J23056AT—AT&T Co Std—Unit for One Intercept Trunk From Line Link Frame for Regular and Trouble Intercept—Wide Area Data Service

Equipment—J23056AT-()

List 1—Assembly, equipment, and wiring for one intercept trunk in accordance with SD-27645-01, Fig. 1.

Notes

- A. Reserved.
- B. Job records need not be maintained for Z option.

J23056AU—A&M Only—Unit for Two 2-Way Line Circuits—Line Link Pulsing—E and M Lead Supervision—M Lead Pulsing by Sender

Equipment—J23056AU-()

List 2—Equipment and wiring required in addition to list 1 when these circuits are used to serve a satellite PBX without line lockout in a phase III centrex office, in accordance with SD-27669-01, two Fig. 2. (See Note C.)

Notes

- A. Reserved.
- B. Job records need not be maintained for Z option.
- C. When list 2 is provided, wiring per R option must be removed. When serving a satellite PBX with line lockout, auxiliary unit, J23056BP is required.

J23056AW—A&M Only—Unit for Four Auxiliary Dial Long Lines—For Use With 2-Party Message Rate Lines

Equipment—J23056AW-()

List 1—Assembly, equipment, and wiring for auxiliary dial long lines unit arranged for four circuits and equipped for one circuit, in accordance with SD-26129-01, Fig. 2.

List 2—Equipment and wiring required in addition to list 1 for each additional auxiliary dial long line circuit, in accordance with SD-26129-01, Fig. 2 (maximum of four circuits total).

***J23056AY—AT&TCo Std—Unit for One 4-Wire
Auxiliary Line Arranged for Multilevel
Preemption***

Equipment—J23056AY-()

List 1—Assembly, equipment, and wiring for one preemptible auxiliary line in accordance with SD-27738-01, Fig. 1, and SD-94820-01, Fig. 2.

List 2—Apparatus and wiring required in addition to list 1 when fast release from incoming calls is provided in accordance with SD-27738-01, Fig. 2 and SD-94820-01, Fig. 2.

List 3—Apparatus and wiring required in addition to list 1 when terminating service only is provided in accordance with SD-27738-01, Fig. 3. (See Note C.)

List 4—Apparatus and wiring required in addition to list 1 when control of an off-hook signal to a station equipped for start dial or echo suppressor control is provided in accordance with SD-27738-01, Fig. 4. (See Note C.)

Notes

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

1. Wiring in accordance with SD-27738-01. Option F required in addition to list 1 when list 4 is not provided.

B. Job records need not be maintained for M, N, Q, R, S, T, V, W, X, Y, Z, ZA, ZB, ZC, and ZD options.

C. If list 3 and 4 are both provided, then either the terminating-service-only feature or the off-hook signal for start-dial feature must be disabled. Nonrecord options ZA and ZB are provided to enable or disable the terminating-service-only feature. Nonrecord option ZD is provided to enable the off-hook signal for start-dial feature.

***J23056BA—AT&TCo Std—Unit for One 4-Wire
Listed Directory Number and Intercept
Trunk From 4-Wire Line Link Frames
to No. 5D Toll Switchboard in Same
Building***

Equipment—J23056BA-()

List 1—Assembly, equipment, and wiring for one 4-wire listed directory number and intercept trunk unit in accordance with SD-27747-01, Fig. 1.

***J23056BB—A&M Only—Supplementary Outgoing
Auxiliary Line for Public Emergency
Report Service—False Tip and Ring
Ground Detection Alarm***

Equipment—J23056BB-()

List 1—Assembly, equipment, and wiring for one supplementary outgoing auxiliary line in accordance with SD-26164-01, W option.

List 2—Equipment and wiring required in addition to list 1 when timing for preset interval of alarm sending is required in accordance with SD-26164-01, Fig. 3.

Notes

A. Reserved.

B. Job record need not be maintained for M, N, and Q options.

C. J23056BB supplementary outgoing auxiliary line, list 1, is required for association with J23056Y units.

***J23056BC—AT&TCo Std—Outgoing Auxiliary
Line Unit—For Public Emergency
Reporting Service Control Unit***

Equipment—J23056BC-()

List 1—Assembly, equipment, and wiring for one outgoing auxiliary line equipped with one line link appearance in accordance with SD-26164-01, one Fig. 1 and one Fig. 2.

List 2—Equipment and wiring required in addition to list 1 when timing for preset interval of alarm sending is required in accordance with SD-26164-01, Fig. 3.

Notes

A. Reserved.

B. Job records need not be maintained for M, N, and Q options.

***J23056BD—AT&T Co Std—Outgoing Auxiliary
Line—For Public Emergency Service—
Line Appearance Unit***

Equipment—J23056BD-()

List 1—Assembly, equipment, and wiring for three line link appearances in accordance with SD-26164-01, three Fig. 2. (See Note C.)

Notes

- A. Reserved.
- B. Reserved.
- C. A maximum of three list 1 may be associated with one J23056BC unit.

***J23056BE—AT&T Co Std—Unit for One 4-Wire
Auxiliary Line Arranged for Off-Hook
Service***

Equipment—J23056BE-()

List 1—Assembly, equipment, and wiring for one auxiliary line unit arranged for off-hook service per SD-27803-01, Fig. 1 and SD-94820-01, Fig. 2.

Notes

- A. In addition, there are options involving wiring only as follows.
 - 1. Wiring required in addition to list 1 where connection is controlled by other than automatic connection line circuit in accordance with SD-27803-01, R option.
- B. Job records need not be maintained for S, T, V, W, X, Y, and Z options.

***J23056BF—AT&T Co Std—Line Unit—Line Link
Pulsing Using MF Sender—Automatic
Intercept Service—Reverse Battery
Supervision***

Equipment—J23056BF-()

List 1—Assembly, equipment, and wiring for one line unit in accordance with SD-27729-01, Fig. 1.

***J23056BG—AT&T Co Std—Line Unit—Line Link
Pulsing Using MF Sender—Automatic
Intercept Service—E&M Lead
Supervision***

Equipment—J23056BG-()

List 1—Assembly, equipment, and wiring for one line unit in accordance with SD-27730-01, Fig. 1.

***J23056BH—A&M Only—Automatic Call Distributor
Line Unit Arranged for Reverse Battery
Supervision***

Equipment—J23056BH-()

List 1—Assembly, equipment, and wiring for one automatic call distributor line unit arranged for reverse battery supervision in accordance with SD-27830-01, Fig. 1 and 2.

List 2—Equipment and wiring required in addition to list 1 when marker seizure delay timer is provided in accordance with SD-27830-01, Fig. 6.

List 3—Equipment and wiring required in addition to list 1 for first ACD line unit equipped on a relay rack frame in accordance with SD-27830-01, Fig. 5.

List 4—Equipment and wiring required in addition to list 1 when line circuit is required to be changeable to answer supervision on a service option basis in accordance with SD-27830-01, J option.

List 5—Equipment and wiring required in addition to list 1 when combined intercept and verification service from a step-by-step office is required in accordance with SD-27830-01, H option.

List 6—Equipment and wiring required in addition to list 1 to provide voice announcement to operator when office is equipped with night close down trunks in accordance with SD-27830-01, Fig. 7 and A option.

List 7—Equipment and wiring required in addition to list 1 when voice announcement to operator is provided, and office is not equipped with night close down trunks in accordance with SD-27830-01, A and ZA options.

List 8—Equipment and wiring required in addition to list 1 when voice announcement to operator is not provided in accordance with SD-27830-01, B and ZA options.

Notes

A.1 Wiring required in addition to list 1 when answer supervision is not required in accordance with SD-27830-01, K option.

A.2 Wiring required in addition to list 1 when combined intercept and verification service from a step-by-step office is not required in accordance with SD-27830-01, G option.

B. Job records need not be maintained for M, N, Q, R, S, T, V, W, X, Y, and Z options.

J23056BJ—A&M Only—Automatic Call Distributor Line Unit Arranged for High-Low Supervision

Equipment—J23056BJ-()

List 1—Assembly, equipment, and wiring for one automatic call distributor line unit arranged for high-low supervision in accordance with SD-27830-01, Fig. 1 and 3.

List 2—Equipment and wiring required in addition to list 1 to provide voice announcement to operator when office is equipped with night close down trunks in accordance with SD-27830-01, Fig. 7 and A option.

List 3—Equipment and wiring required in addition to list 1 for first ACD line unit equipped on a relay rack frame in accordance with SD-27830-01, Fig. 5.

List 4—Equipment and wiring required in addition to list 1 when combined intercept and verification service from a step-by-step office is required in accordance with SD-27830-01, H option.

List 5—Equipment and wiring required in addition to list 1 when voice announcement to operator is provided and office is not equipped with night close down trunks in accordance with SD-27830-01, A and ZA options.

List 6—Equipment and wiring required in addition to list 1 when voice announcement to operator is not provided in accordance with SD-27830-01, B and ZA options.

Notes

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

1. Wiring required in addition to list 1 when combined intercept and verification service from a step-by-step office is not required in accordance with SD-27830-01, G option.

B. Job records need not be maintained for M, N, Q, R, S, T, V, W, X, Y, and Z options.

J23056BK—A&M Only—Automatic Call Distributor Line Unit Arranged for E&M Lead Supervision

Equipment—J23056BK-()

List 1—Assembly, equipment, and wiring for one automatic call distributor line unit arranged for E&M lead supervision in accordance with SD-27830-01, Fig. 1 and 4.

List 2—Equipment and wiring required in addition to list 1 when marker seizure delay timer is provided in accordance with SD-27830-01, Fig. 6.

List 3—Equipment and wiring required in addition to list 1 for first ACD line unit equipped on a relay rack frame in accordance with SD-27830-01, Fig. 5.

List 4—Equipment and wiring required in addition to list 1 when combined intercept and verification service from a step-by-step office is required in accordance with SD-27830-01, H option.

List 5—Equipment and wiring required in addition to list 1 to provide voice announcement to operator when office is equipped with night close down trunks in accordance with SD-27830-01, Fig. 7 and A option.

List 6—Equipment and wiring required in addition to list 1 when voice announcement to operator is provided and office is not equipped with night close down trunks in accordance with SD-27830-01, A and ZA options.

List 7—Equipment and wiring required in addition to list 1 when voice announcement to operator is not provided in accordance with SD-27830-01, B and ZA options.

Notes

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

1. Wiring required in addition to list 1 when combined intercept and verification service

from a step-by-step office is not required in accordance with SD-27830-01, G option.

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

J23056BL—A&M Only—Unit for One Line Circuit for Automatic Intercept Service—E&M Lead Supervision

Equipment—J23056BL-()

- List 1**—Assembly, wiring, and equipment for one line circuit unit for Automatic Intercept Service (AIS) in offices not equipped for line link pulsing per SD-27892-01, Fig. 1.

Notes

- A. Reserved.
- B. This unit is mounted on the AIS sender frame.

J23056BM—A&M Only—Unit for One Line Circuit for Automatic Intercept Service—Reverse Battery Supervision

Equipment—J23056BM-()

- List 1**—Assembly, wiring, and equipment for one line circuit unit for Automatic Intercept Service (AIS) in offices not equipped for line link pulsing per SD-27893-01, Fig. 1.

Notes

- A. Reserved.
- B. This is a one mounting plate unit. A spare mounting plate space shall be reserved above each 1-plate unit for future use and to provide for standard arm location for the AIS frame local cable. The space required for this unit is equal to two 2-inch mounting plates.
- C. This unit is mounted on the AIS sender frame.

J23056BN—AT&T Co Std—Unit for One 2-Way Line Circuit—Line Link Pulsing—E&M Lead Supervision—M Lead Pulsing By Sender

Equipment—J23056BN-()

- List 1**—Assembly, equipment, and wiring for one 2-way line unit in accordance with SD-27669-01, Fig. 1, and SD-94820-01, Fig. 2.

- List 2**—Equipment and wiring for one permanent signal alarm required in addition to list 1 for first equipped unit on relay rack per SD-27669-01, Fig. 3.

Notes

- A. Reserved.
- B. Job records need not be maintained for Z option.

J23056BP—A&M Only—Supplementary Unit for Two 2-Way Line Circuits—Line Lockout

Equipment—J23056BP-()

- List 1**—Assembly, equipment, and wiring for two 2-way lines in accordance with SD-27669-01, two Fig. 1, H and G option only.

- List 2**—Equipment and wiring for one permanent signal alarm required in addition to list 1 for first equipped unit on relay rack per SD-27669-01, Fig. 3.

Note

- A. Reserved.

J23056BR—AT&T Co Std—Unit for One 2-Way Line Circuit—Line Link Pulsing—E&M Lead Supervision—M Lead Pulsing by Sender—For Testing from Improved Testboard No. 17E

Equipment—J23056BR-()

- List 1**—Assembly, equipment, and wiring for one 2-way line unit in accordance with SD-27942-01, Fig. 1 and SD-94820-01, Fig. 2.

- List 2**—Equipment and wiring required in addition to list 1 for permanent signal alarm circuit for first unit installed on a particular relay rack in accordance with SD-27942-01, Fig. 2.

- List 3**—Equipment and wiring required in addition to list 1 when provision for testing from an improved testboard No. 17E is required in accordance with SD-27942-01, Fig. 3 (See Notes C and D.)

List 4—Equipment and wiring required in addition to list 1 when provision for testing from an improved testboard No. 17E is not required in accordance with SD-27942-01, Fig. 4.

Notes

- A. Reserved.
- B. Office records need not be maintained for options R, S, T, V, W, X, Y, and Z.
- C. This line is intended for use with toll testboard No. 17E not equipped with a circuit patch bay.
- D. A unit equipped with list 3 is arranged for use with an improved testboard No. 17E presently or in the future.

J23056BS—AT&T Co Std—Unit for Three Auxiliary Lines for Terminating Service Only—for use with Subscriber Lines, Manual PBX Trunks, Order Turrets, and Key Equipments.

Equipment—J23056BS-()

List 1—Assembly, equipment, and wiring for three auxiliary lines in accordance with SD-26165-01, three Fig. 1 and one Fig. 2.

Notes

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

J23056BT—A&M Only—Unit for One Automatic Call Distributor Line Arranged for Regular, Trouble, and Machine Intercept Traffic—Reverse High-Low Supervision

Equipment—J23056BT-()

List 1—Assembly, equipment, and wiring for one automatic call distributor link unit arranged for reverse high-low supervision in accordance with SD-27981-01, Fig. 1 and 2.

List 2—Equipment and wiring required in addition to list 1 to provide for operation with DSA switchboard in same building as No.

5 crossbar ACD office in accordance with SD-27981-01, Fig. 4.

List 3—Equipment and wiring required in addition to list 1 to provide for operation with No. 19 operating room desk in same building as No. 5 crossbar ACD office in accordance with SD-27981-01, Fig. 5.

List 4—Equipment and wiring required in addition to list 1 to provide for operation with No. 1 toll switchboard in same building as No. 5 crossbar ACD office in accordance with SD-27981-01, Fig. 6.

List 5—Equipment and wiring required in addition to list 1 to provide for operation with No. 3, 3C, or 3CL switchboard in same building as No. 5 crossbar ACD office in accordance with SD-27981-01, Fig. 7.

List 6—Equipment and wiring required in addition to list 1 for one permanent signal alarm for first equipped unit on relay rack in accordance with SD-27981-01, Fig. 8.

Notes

- A. Reserved.

J23056BU—A&M Only—Unit for One Automatic Call Distributor Line Arranged for Regular, Trouble, and Machine Intercept Traffic—E & M Lead Supervision.

Equipment—J23056BU-()

List 1—Assembly, equipment, and wiring for one automatic call distributor line unit arranged for E and M lead supervision in accordance with SD-27981-01, Fig. 1 and 3 and SD-94820-01, Fig. 2.

List 2—Equipment and wiring required in addition to list 1 to provide for operation with DSA switchboard in same building as No. 5 crossbar ACD office in accordance with SD-27981-01, Fig. 1.

List 3—Equipment and wiring required in addition to list 1 to provide for operation with No. 19 operating room desk in same building as No. 5 crossbar ACD office in accordance with SD-27981-01, Fig. 5.

List 4—Equipment and wiring required in addition to list 1 to provide operation with No. 1 toll switchboard in same building as No. 5 crossbar ACD office in accordance with SD-27981-01, Fig. 6.

List 5—Equipment and wiring required in addition to list 1 to provide for operation with No. 3, 3C or 3CL switchboard in same building as No. 5 crossbar ACD office in accordance with SD-27981-01, Fig. 7.

List 6—Equipment and wiring required in addition to list 1 for one permanent signal alarm for first equipped unit on relay rack in accordance with SD-27981-01, Fig. 8.

Notes

A. Reserved.

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

J23056BW—AT&TCO Std—Unit For One Line Circuit For ACD—Arranged For Operator Initiated Transfer And Operator Announcement—Reverse Battery Supervision

Equipment—J23056BW-()

List 1—Assembly, equipment, and wiring for one ACD line unit arranged for reverse battery supervision per SD-28040-01, Fig. 1 and Fig. 3.

List 2—Equipment and wiring required in addition to list 1 when unit is used for handling traffic not direct from end office per SD-28040-01, Fig. 2.

List 3—Equipment and wiring required in addition to list 1 for permanent signal alarm, first ACD line unit equipped on a relay rack frame, per SD-28040-01, Fig. 6.

List 4—Equipment and wiring required in addition to list 1 for marker seizure delay (E-type signaling) per SD-28040-01, Fig. 7 and SD-94820-01, Fig. 2.

List 5—Equipment and wiring required in addition to list 1 for voice announcement to operator per SD-28040-01, Fig. 8.

Notes

A. Reserved.

B. Office records need not be maintained for options J, K, M, N, Q, R, S, T, V, W, X, Y, and Z.

J23056BX—AT&TCO Std—Unit For One Line Circuit For ACD—Arranged For Operator Initiated Transfer And Operator Announcement—High-Low Supervision

Equipment—J23056BX-()

List 1—Assembly, equipment, and wiring for one ACD line unit arranged for high-low supervision per SD-28040-01, Fig. 1 and Fig. 4.

List 2—Equipment and wiring required in addition to list 1 when unit is used for handling traffic not direct from end offices per SD-28040-01, Fig. 2.

List 3—Equipment and wiring required in addition to list 1 for permanent signal alarm, first ACD line unit equipped on a relay rack frame, per SD-28040-01, Fig. 6.

List 4—Equipment and wiring required in addition to list 1 for marker seizure delay (E-type signaling) per SD-28040-01, Fig. 7 and SD-94820-01, Fig. 2.

List 5—Equipment and Wiring required in addition to list 1 for voice announcement to operator per SD-28040-01, Fig. 8.

Notes

A. Reserved.

B. Office records need not be maintained for options, J, K, M, N, Q, R, S, T, V, W, X, Y, and Z.

J23056BY—AT&TCO Std—Unit For One Line Circuit For ACD—Arranged For Operator Initiated Transfer And Operator Announcement—E and M Lead Supervision

Equipment—J23056BY-()

List 1—Assembly, equipment, and wiring for one ACD line unit arranged for E and M lead supervision per SD-28040-01, Fig. 1 and Fig. 5.

List 2—Equipment and wiring required in addition to list 1 when unit is used for handling traffic not direct from end offices per SD-28040-01, Fig. 2.

List 3—Equipment and wiring required in addition to list 1 for permanent signal alarm, first

ACD line unit equipped on a relay rack frame, per SD-28040-01, Fig. 6.

List 4—Equipment and wiring required in addition to list 1 for marker seizure delay (E-type signaling) per SD-28040-01, Fig. 7 and SD-94820-01, Fig. 2.

List 5—Equipment and wiring required in addition to list 1 for voice announcement to operator per SD-28040-01, Fig. 8.

Notes

A. Reserved.

B. Office records need not be maintained for options J, K, M, N, Q, R, S, T, V, W, X, Y, and Z.

J23056CA—AT&TCo Std—Unit For One Automatic Call Distributor Line Arranged For Call Transfer—Regular, Trouble, and Machine Intercept Service—High-Low Supervision

Equipment—J23056CA

List 1—Assembly, equipment, and wiring for one ACD call transfer line unit arranged for high-low supervision in accordance with SD-28048-01, Fig. 1 and 2. (See Note C.)

List 2—Equipment and wiring required in addition to list 1 to provide for operation with DSA switchboard in same building as No. 5 crossbar ACD office in accordance with SD-28048-01, Fig. 4.

List 3—Equipment and wiring required in addition to list 1 to provide for operation with No. 19 operating room desk in same building as No. 5 crossbar ACD office in accordance with SD-28048-01, Fig. 5.

List 4—Equipment and wiring required in addition to list 1 to provide operation with No. 1 toll switchboard in same building as No. 5 crossbar ACD office in accordance with SD-28048-01, Fig. 6.

List 5—Equipment and wiring required in addition to list 1 to provide operation with No. 3, 3C, or 3CL switchboard in same building as No. 5 crossbar ACD office in accordance with SD-28048-01, Fig. 7.

List 6—Equipment and wiring required in addition to list 1 for one permanent signal alarm for first equipped unit on relay rack in accordance with SD-28048-01, Fig. 8.

List 7—Equipment and wiring required in addition to list 1 to provide voice announcement to operator in accordance with SD-28048-01, Fig. 9.

List 8—Equipment and wiring required in addition to list 1 when circuit handles traffic other than that direct from end offices in accordance with SD-28048-01, Fig. 12.

Notes

A. Reserved.

B. Office records need not be maintained for options W and Z.

C. This unit requires association with the pulse distributing and announcement failure alarm unit J23058CF.

J23056CB—AT&TCo Std—Unit for One Automatic Call Distributor Line Arranged For Call Transfer—Regular, Trouble, and Machine Intercept—E and M Lead Supervision

Equipment—J23056CB-()

List 1—Assembly, equipment, and wiring for one ACD call transfer line unit arranged for E and M lead supervision in accordance with SD-28048-01, Fig. 1 and 3, and SD-94820-01, Fig. 2. (See Note C.)

List 2—Equipment and wiring required in addition to list 1 to provide for operation with DSA switchboard in same building as No. 5 crossbar ACD office in accordance with SD-28048-01, Fig. 4.

List 3—Equipment and wiring required in addition to list 1 to provide for operation with No. 19 operating room desk in same building as No. 5 crossbar ACD office in accordance with SD-28048-01, Fig. 5.

List 4—Equipment and wiring required in addition to list 1 to provide operation with No. 1 toll switchboard in same building as No. 5 crossbar ACD in accordance with SD-28048-01, Fig. 6.

List 5—Equipment and wiring required in addition to list 1 to provide operation with No. 3, 3C, or 3CL switchboard in same building as No. 5 crossbar ACD office in accordance with SD-28048-01, Fig. 7.

List 6—Equipment and wiring required in addition

to list 1 for one permanent signal alarm for first equipped unit on relay rack in accordance with SD-28048-01, Fig. 8.

List 7—Equipment and wiring required in addition to list 1 to provide voice announcement to operator in accordance with SD-28048-01, Fig. 9.

List 8—Equipment and wiring required in addition to list 1 when circuit handles traffic other than that direct from end offices in accordance with SD-28048-01, Fig. 12.

Notes

- A. Reserved.
- B. Office records need not be maintained for option W.
- C. This unit requires association with the pulse distributing and announcement failure alarm unit J23058CF.

H-599-210—Special—Unit for One Auxiliary Line Circuit—Arranged for Customer Group Service

Equipment—H-599-210

List 1—Assembly, equipment, and wiring for one auxiliary line unit per ES-26277-01, one Fig. 1.

Notes

- A. Reserved.
- B. Job records need not be maintained for W, X, Y, and Z options.

5. GENERAL NOTES

5.01 Nonrecord options, involving straps on the switchboard cable side of trunk unit terminal strips, shall be wired by the installation force 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.

Bell Telephone Laboratories, Incorporated

Dept 5243

List of A&M Only and Mfr Disc. Equipment

EQUIPMENT	RATING	DETAILS LAST SHOWN IN ISSUE	REPLACING EQUIPMENT
J23056A	A&M Only	6	J23056C
L2	Mfr Disc.	3	—
L3	Mfr Disc.	4	J23056A,L9
L4	Mfr Disc.	3	—
L7 & 8	Mfr Disc.	4	J23056A,L5 & L6
L9	Mfr Disc.	5	—
J23056B	Mfr Disc.	1	J23056F
J23056D	Mfr Disc.	4	J23056Q
J23056E	Mfr Disc.	7	J23056AA
J23056F	Mfr Disc.	7	J23056AB
J23056G,L2	Mfr Disc.	3	—
J23056N	Mfr Disc.	3	—
J23056Q	Mfr Disc.	7	—
J23056R	Mfr Disc.	7	J23056W & J23056X
J23056S	Mfr Disc.	7	J23056Y
J23056U	Mfr Disc.	8	J99234 ED-96588-01
J23056Y	A&M Only	9	—
L1	Mfr Disc.	9	J23056BC
L2	A&M Only	9	J23056BD
J23056AA	Mfr Disc.	11	J23056BS
J23056AG,L1	Mfr Disc.	8	J23056AG,L2
J23056AG,L4	Mfr Disc.	11	—
J23056AN	A&M Only	8	J23056AU
J23056AU	A&M Only	10	J23056BN
L1	Mfr Disc.	10	—
J23056AW	A&M Only	8	—
J23056BB	A&M Only	9	—
J23056BH	A&M Only	12	J23056BW
J23056BJ	A&M Only	12	J23056BX
J23056BK	A&M Only	12	J23056BY
J23056BL	A&M Only	11	—
J23056BM	A&M Only	11	—
J23056BN	A&M Only	11	J23056BR
J23056BP	A&M Only	11	—
J23056BT	A&M Only	12	J23056CA
J23056BU	A&M Only	12	J23056CB

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.