

INCOMING 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 equipment and circuits to be used in the manufacture and installation of various incoming trunks for use in the No. 5 Crossbar Systems.

1.02 This specification is reissued:

(a) To add Note C to unit J23062AK under Part 4. EQUIPMENT in accordance with LDI 16B of SD-26077-01.

Description

1.03 The units listed herein provide the equipment for various incoming 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 PLATES PER UNIT
J23062A	A&M Only	Unit for Two Inc Trk — Rep Dialing Using Bylink — Rev Bat. Supv	J23062A-()	SD-25581-01	2	4
J23062D	A&M Only	Unit for One Inc Trk — D or MF Pulsing — High-Low Supv — Cont or Automatic ST of Ring. — With or With- out Coin	ED-26176-01	SD-25584-01 SD-25584-02 、	1	3
J23062E	AT&TCo Std	Unit for One Inc Trk From No. 14 Loc Test Desk or No. 3 Loc Test Cab. — D or MF Pulsing or Stfd	J23062E-()	SD-25708-03	1	3
J23062F	A&M Only	Unit for One Att Compl Trk From No. 3C Toll Swbd Loc in Same Bldg — MF Pulsing	J23062F-()	SD-25590-01	1	3

EQUIPMENT CODE	RATING OF UNIT	TITLE	EQUIPMENT DRAWING	CIRCUIT DRAWING	CKTS PER UNIT	MTG PLATES PER UNIT	
J23062G	A&M Only	Unit for Two Toll Sw Trk From No. 3C, 3CF, or 3CL Swbd in Same Bldg — Cont or Auto. St of Ring — MF Pulsing	J23062G-()	SD-25685-01	2	5	○
J23062H	A&M Only	Unit for Two Inc Tdm Trk — Rev. Bat. Supv	J23062H-()	SD-25832-01	2	4	○
J23062J	A&M Only	Unit for One Inc Trk — No- Test — Rev. Bat. Supv	J23062J-()	SD-25663-01	1	3	○
J23062K	A&M Only	Unit for One Toll Sw Trk From No. 3C Toll & DSA Swbd in the Same Bldg — MF Pulsing — Cont or Auto- matic St of Ring. & Coin Cont	J23062K-()	SD-25712-01	1	3	○
J23062L	A&M Only	Unit for One Toll Sw Trk From No. 3C, 3CF, or 3CL Swbd in the Same Bldg — MF Pulsing — Auto. St of Ring.	J23062L-()	SD-25683-01	1	2	
J23062M	AT&TCo Std	Unit for One Inc Trk for Testing Message Registers With Dial Pulsing	J23062M-()	SD-25834-01	1	5	○
J23062P	AT&TCo Std	Unit for One Inc IT. Trk — D, MF, or FS Pulsing — Inc CX or SX Supv — Out. CX or SX Supv or Type "A" TB Sup.	J23062P-()	SD-25844-01	1	3	
J23062T	A&M Only	Unit for One Toll Sw Trk From No. 1 Toll Swbd in the Same Bldg — MF Pulsing — Cont or Auto. St of Ring. — Coin Cont Over Sep Jk	J23062T-()	SD-25854-01	1	3	○
J23062U	A&M Only	Unit for One Inc Trk — R, D, or MF Pulsing or Stfd — Rev. Bat. Supv — SX Cont Ring.	J23062U-()	SD-25910-01	1	3	○
J23062W	A&M Only	Unit for One Inc Trk — D, R, or MF Pulsing or Stfd — Rev. Bat. Supv — SX Cont Ring. or Auto. Start Ring. Arr for Coin Cont Over Sep Sgl Trk Cond	J23062W-()	SD-25911-01	1	3	○

EQUIPMENT CODE	RATING OF UNIT	TITLE	EQUIPMENT DRAWING	CIRCUIT DRAWING	CKTS PER UNIT	MTG PLATES PER UNIT
J23062Y	A&M Only	Unit for Two Toll Sw Trk From No. 1 Toll Swbd in the Same Bldg — MF Pulsing — Cont or Auto. St of Ring.	J23062Y-()	SD-25855-01	2	5
J23062AA	A&M-Only	Unit for One Toll Sw Trk From No. 1 Toll Swbd in the Same Bldg — MF Pulsing — Auto. St of Ring.	J23062AA-()	SD-25856-01	1	2
J23062AB	A&M Only	Unit for One Inc Tdm Trk — Rep Dialing Using Bylink — Rev. Bat. Supv	J23062AB-()	SD-25552-01	1	3
J23062AC	A&M Only	Unit for One Att Compl Trk From No. 1 Toll Swbd in the Same Bldg — MF Pulsing	J23062AC-()	SD-25932-01	1	3
J23062AE	AT&TCO Std	Unit for Two Aux IT. Trk Providing for 2-Way Opr With Inc IT. Trk Ckt & Out. Dialing or DCKP Trk Ckt at Toll Swbd in Same Bldg — Trk Ckt Arranged for CX or SX Supv	J23062AE-()	SD-25954-01	2	1
J23062AG	AT&TCO Std	Inc Trk for Testing Message Registers With MF KP	J23062AG-()	SD-25835-01	1	7
J23062AH	AT&TCO Std	Unit for One Inc Trk —Rev Bat. Supv	J23062AH-()	SD-26070-01	1	1
J23062AJ	AT&TCO Std	Unit for Two Inc Tdm Trk — With or Without Loc Compl — Rev. Bat. Supv	J23062AJ-()	SD-26071-01	2	2 or 3
J23062AK	AT&TCO Std	Unit for Two Inc Trk — With or Without Tdm Compl — Rep Dialing Using Bylink — Rev. Bat. Supv	J23062AK-()	SD-26077-01	2	3 or 4
J23062AL	AT&TCO Std	Unit for Two Aux Inc Trk — D or MF Pulsing — For Conv Rev. Bat. Supv to E&M Lead Supv	J23062AL-()	SD-27008-01	2	1
J23062AM	AT&TCO Std	Unit for Two Toll Sw Trk From No. 1, 3C, or 3CL Toll Swbd in Same Bldg — MF Pulsing — Auto. St of Ring.	J23062AM-()	SD-26075-01	2	3

EQUIPMENT CODE	RATING OF UNIT	TITLE	EQUIPMENT DRAWING	CIRCUIT DRAWING	CKTS PER UNIT	MTG PLATES PER UNIT
J23062AN	AT&TCo Std	Unit for One Toll Sw Trk From No. 3C or 3CL Toll Swbd in Same Bldg — MF Pulsing — Cont or Auto- matic St of Ring. — With or Without Coin Opr	J23062AN-()	SD-26081-01	1	2
J23062AP	AT&TCo Std	Unit for One Toll Sw Trk From No. 1 Toll Swbd in Same Bldg — MF Pulsing — Cont or Auto. Start of Ring. — With or Without Coin Opr	J23062AP-()	SD-26082-01	1	2
J23062AQ	A&M Only	Unit for Two Inc Trk — Cont Ring. — R, D, or MF Pulsing or Stfd — Rev. Bat. or E&M Lead Supv	J23062AQ-()	SD-26074-01	2	3,4 or 5
J23062AR	AT&TCo Std	Unit for Two Att Jtr From No. 1, 3C, or 3CL Toll Swbd or Testboard No. 19A or Toll Test Unit No. 5A in Same Bldg — MF Pulsing — Compl to Dist Off. Only	J23062AR-()	SD-26076-01	2	3
J23062AS	AT&TCo Std	Unit for Two Inc IT. Trk — D or MF Pulsing — Inc Rev. Bat. Supv — Outgoing SX Supv — With or Without Lo- cal Completion	J23062AS-()	SD-26152-01	2	4 or 5
J23062AT	AT&TCo Std	Unit for One Inc No-Test Trk — Cont Ring. — Rev. Bat. or E&M Lead Supv	J23062AT-()	SD-26073-01	1	2
J23062AV	AT&TCo Std	Unit for Two Attendant Junctors for IT. Completion From No. 3C or 3CL Toll Swbd or No. 17B or 18B or 19A Testboard or Toll Test Unit No. 5A in Same Bldg — MF Pulsing — For Compl Calls to Distant Off. Only	J23062AV-()	SD-26153-01	2	4
J23062AW	AT&TCo Std	Unit for One Inc Tdm Trk — Rep Dialing Using Bylink — Rev Bat. Supv	J23062AW-()	SD-26183-01	1	2
J23062AY	AT&TCo Std	Unit for One Inc Trk — DP or MF Pulsing — Rev Bat. or E&M Lead Supv — Coin Cont	J23062AY-()	SD-26123-01	1	3

EQUIPMENT CODE	RATING OF UNIT	TITLE	EQUIPMENT DRAWING	CIRCUIT DRAWING	CKTS PER UNIT	MTG PLATES PER UNIT
J23062BA	A&M Only	Unit for Two Inc Trk — Rev. Bat. Supv	J23062BA-()	SD-26079-01	2	3
J23062BB	AT&TCo Std	Unit for One Inc Trk From No. 14 Loc Tst Dsk or No. 3 Loc Tst Cab. or Office Tst Fr Tst Ckt _g — D or MF Pulsing	J23062BB-()	SD-26136-01	1	2 or 3
J23062BC	AT&TCo Std	Unit for One Inc Trk — RP, DP, or MF Pulsing or Stfd — Rev. Bat. Supv — Sx Cont Ring. St Sig or Auto. St of Rng — Coin Cont Over Sep Sgl Trk Cond	J23062BC-()	SD-26149-01	1	2 or 3
J23062BF	AT&TCo Std	Unit for One Toll Sw Trk From No. 5D Toll Swbd in Same Bldg — MF Pulsing — Auto. St or Ring. — For Use With 4-Wire Trk Link Frames	J23062BF-()	SD-27502-01	1	2
J23062BG	AT&TCo Std	Unit for One Inc Trk — No- Test — Controlled Ring. — From No. 5D Toll Swbd in Same Bldg — For Use With 4-Wire Trk Link Frames	J23062BG-()	SD-27505-01	1	2
J23062BH	A&M Only	Unit for One Inc Trk — Rev. Bat. Supv — Arranged for Phase II Centrex Service	J23062BH-()	SD-27580-01	1	3
J23062BJ	A&M Only	Unit for One Inc Trk — Re- peated Dialing for Using By- link — Rev. Bat. Supv — Ar- ranged for Phase II Centrex Service	J23062BJ-()	SD-27581-01	1	4
J23062BK	A&M Only	Unit for Two Auxiliary In- coming Trks — Rev. Bat. Supv Arr for Phase I Cen- trex Service — Dial Transfer	J23062BK-()	SD-26257-01	2	2
J23062BL	A&M Only	Unit for One Aux Inc Bylink Trk — Arr for Phase I Cen- trex Service — Dial Transfer	J23062BL-()	SD-26282-01	1	1
J23062BM	AT&TCo Std	Unit for One Inc Trk — Rev. Bat. Supv Phase III Centrex	J23062BM-()	SD-27686-01 SD-94820-01	1	3

EQUIPMENT CODE	RATING OF UNIT	TITLE	EQUIPMENT DRAWING	CIRCUIT DRAWING	CKTS PER UNIT	MTG PLATES PER UNIT
J23062BN	AT&TCo Std	Unit for One Inc Trk — Ckt With or Without Tdm Comp — Rep Dialing Using Bylink Rev. Bat. SupvArr for Phase III Centrex Service	J23062BN-()	SD-27687-01 SD-94820-01	1	4
J23062BR	AT&TCo Std	Unit for One Inc Trk — 4- Wire No-Test	J23062BR-()	SD-27711-01	1	2
J23062BS	AT&TCo Std	Unit for 4-Wire Attendant Tandem Trunk	J23062BS-()	SD-27732-01 SD-94820-01	1	3
J23062BU	A&M Only	Unit for Ten Auxiliary In- coming Trunks	J23062BU-()	SD-26257-01	10	1
J23062BW	A&M Only	Unit for Ten Auxiliary In- coming Trunks	J23062BW-()	SD-26282-01	10	1
J23062BY	AT&TCo Std	Unit for One Incoming Trk for Centralized Attendant Operation — Reverse Bat- tery Supervision—Arranged for Phase III Centrex Serv- ice	J23062BY-()	SD-27897-01	1	3
J23062CA	AT&TCo Std	Unit for One Incoming Trk for Centralized Attendant Operation — E&M Lead Su- pervision Arranged for Phase III Centrex Service	J23062CA-()	SD-27946-01	1	3
H599-124	A&M Only	Unit for Two Inc Trks — Dial Revertive or MF Puls- ing or Straight — Forward Rev.Bat. Supv Arr for Phase I Centrex	H599-124	SD-26257-01	2	5
H599-145	A&M Only	Unit for One Inc Trk Re- peated Dialing Using Bylink Rev. Bat. Supv Arr for Phase I Centrex	H599-145	SD-26282-01	1	3
J23062BD — Reserved						
J23062BE — Reserved						
J23062BP — Reserved						

Circuit Schematic Index

CIRCUIT DRAWING	J23062 EQUIP CODE	CIRCUIT DRAWING	J23062 EQUIP CODE
SD-25552-01	AB	SD-26075-01	AM
SD-25581-01	A	SD-26076-01	AR
SD-25584-01	D	SD-26077-01	AK
SD-25584-02	D	SD-26079-01	BA
SD-25590-01	F	SD-26081-01	AN
SD-25663-01	J	SD-26082-01	AP
SD-25683-01	L	SD-26123-01	AY
SD-25685-01	G	SD-26136-01	BB
SD-25708-03	E	SD-26149-01	BC
SD-25712-01	K	SD-26152-01	AS
SD-25832-01	H	SD-26153-01	AV
SD-25834-01	M	SD-26183-01	AW
SD-25835-01	AG	SD-26257-01	BK, BU, H599-124
SD-25844-01	P	SD-26282-01	BL, BW, H599-145
SD-25854-01	T	SD-27008-01	AL
SD-25855-01	Y	SD-27502-01	BF
SD-25856-01	AA	SD-27505-01	BG
SD-25910-01	U	SD-27580-01	BH
SD-25911-01	W	SD-27581-01	BJ
SD-25932-01	AC	SD-27686-01	BM
SD-25954-01	AE	SD-27687-01	BN
SD-26070-01	AH	SD-27711-01	BR
SD-26071-01	AJ	SD-27732-01	BS
SD-26073-01	AT	SD-27897-01	BY
SD-26074-01	AQ	SD-27946-01	CA

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 Frame for Trunk Units and Relay Equipment
 J29259—819-005-150—General Outline—No. 5 Crossbar System
 X-67276—Manufacturing Testing Requirements—Incoming Trunks
 SD-94820-01—Time Delay Circuit
 ED-94859-01—Component Assembly

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 Sheet—No. 5 Crossbar System

4. EQUIPMENT

J23062A—A&M Only—Unit for Two Incoming Trunks—Repeated Dialing Using Bylink—Reverse Battery Supervision

Equipment—J23062A-()

List 1—Assembly, equipment, and wiring for two trunks per SD-25581-01, two Fig. 1, less all options.

List 3—Equipment and wiring required in addition to list 1 for permanent signal alarm relay for the first equipped trunk on any one relay rack frame per SD-25581-01, Fig. 2.

List 4—Equipment and wiring required in addition to list 1 when trunk conductor loop is 0 to 2000 ohms per SD-25581-01, X option only.

List 5—Equipment and wiring required in addition to list 1 when trunk conductor loop is 2000 to 4200 ohms per SD-25581-01, W option only.

List 6—Equipment and wiring required in addition to list 1 when trunks are connected directly to step-by-step selector bank in the same building per SD-25581-01, Fig. 4.

Notes

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

1. Wiring required in addition to list 1 when trunks are not connected to step-by-step selector bank in the same building per SD-25581-01, V option only.

B. Job records need not be maintained for N and R options.

J23062D—A&M Only—Unit for One Incoming Trunk—Dial or Multifrequency Pulsing—High-Low Supervision—Controlled or Automatic Start of Ringing—With or Without Coin

Equipment—ED-26176-01

List 1—Assembly, equipment, and wiring for one trunk per SD-25584-02, Fig. 1, less options.

List 2—Equipment and wiring required in addition to list 1 for coin operation per SD-25584-01, Fig. 1, less options.

List 5—Equipment and wiring required in addition to list 1 when 1000-Hz trunk impedance is 1100 ohms or less per SD-25584-01 or -02, Fig. 1, Z option only.

List 6—Equipment and wiring required in addition to list 1 when 1000-Hz trunk impedance is greater than 1100 ohms per SD-25584-01 or -02, Fig. 1, Y option only.

List 7—Equipment and wiring required in addition to list 1 for incoming dial pulsing per SD-25584-01 or -02, Fig. 1, W option only.

Notes

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

1. Wiring required in addition to list 1 for incoming multifrequency pulsing per SD-25584-01 or -02, Fig. 1, X option only.

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

J23062E—AT&T Co Std—Unit for One Incoming Trunk From No. 14 Local Test Desk or No. 3 Local Test Cabinet—Dial or Multifrequency Pulsing or Straight-forward

Equipment—J23062E-()

List 2—Equipment, including B terminal strip, and wiring required in addition to list 1, 5, or 6 for no-test operation per SD-25708-01, -02, or -03, Fig. 1, W option only.

List 4—Equipment and wiring required in addition to lists 1 and 2, or lists 5 and 2, or lists 6 and 2, if any lines are equipped with message registers per SD-25708-01, -02, or -03, Fig. 1, T option only.

List 6—Assembly, equipment, and wiring for one trunk for straightforward operation per SD-25708-03, Fig. 1, less options.

List 7—Equipment and wiring required in addition to list 6 for use with Unigauge cabling per SD-25708-03, Fig. 2.

List 8—Equipment and wiring required in addition to list 6 when trunk is not arranged for Unigauge cabling per SD-25708-03, Q option.

Notes

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

1. Wiring required in addition to lists 1 and 2, or lists 5 and 2, or lists 6 and 2 when no lines are equipped with message registers per SD-25708-01, -02, or -03, Fig. 1, V option only.
2. Wiring required in addition to list 1, 5, or 6 for trunks not arranged for no-test feature per SD-25708-01, -02, or -03, Fig. 1, X option only.

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

J23062F—A&M Only—Unit for One Attendant Completing Trunk From No. 3C Toll Switchboard Located in Same Building—Multifrequency Pulsing

Equipment—J23062F()

- List 3**—Assembly, equipment, and wiring for one trunk arranged to complete calls to home marker group and to distant offices per SD-25590-01, Fig. 3 and A.

J23062G—A&M Only—Unit for Two Toll Switching Trunks From No. 3C, 3CF, or 3CL Switchboard in Same Building—Controlled Automatic Start of Ringing—MF Pulsing

Equipment—J23062G()

- List 1**—Assembly, equipment, and wiring for two trunks per SD-25685-01, two Fig. 1, and M option for controlled start of ringing.

- List 5**—Equipment and wiring required in addition to list 1 for building-out capacitor and 2-dB pad per SD-25685-01, Fig. 1, R option only, and Fig. 5.

- List 6**—Assembly, equipment, and wiring for two trunks per SD-25685-01, two Fig. 1, and K option for automatic start of ringing.

Notes

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

1. Wiring required in addition to list 1 when building-out capacitor and 2-dB pad are not provided per SD-25685-01, Fig. 1, S option only.

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

J23062H—A&M Only—Unit for Two Incoming Tandem Trunks—Reverse Battery Supervision

Equipment—J23062H()

- List 1**—Assembly, equipment, and wiring for two trunks per SD-25832-01, two Fig. 1, less options.

Notes

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

1. Wiring required in addition to list 1 to provide for both local completion and incoming tandem calls per SD-25832-01, Fig. A.

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

J23062J—A&M Only—Unit for One Incoming Trunk—No-Test—Reverse Battery Supervision

Equipment—J23062J()

- List 1**—Assembly, equipment, and wiring for one trunk per SD-25663-01, Fig. 1, less options.

- List 3**—Equipment and wiring required in addition to list 1 when any lines are equipped with message registers per SD-25663-01, Fig. 1, J option only.

- List 4**—Equipment and wiring required in addition to list 1 for dc ringing start signal per SD-25663-01, Fig. 1, T option only.

- List 5**—Equipment and wiring required in addition to list 1 for 20-Hz ringing start signal per SD-25663-01, Fig. 1, Q option only.

- List 7**—Equipment and wiring required in addition to list 1 when 1000-Hz trunk impedance is 1100 ohms or less per SD-25663-01, Fig. 1, V option only.

- List 8**—Equipment and wiring required in addition to list 1 when 1000-Hz trunk impedance is greater than 1100 ohms per SD-25663-01, Fig. 1, U option only.

Notes

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

1. Wiring required in addition to list 1 when no lines are equipped with message registers per SD-25663-01, Fig. 1, K option only.

- B. Job records need not be maintained for B, F, R, W, X, Y, Z, ZC, and ZE options.

J23062K—A&M Only—Unit for One Toll Switching Trunk From No. 3C Toll and DSA Switchboard in the Same Building—Multifrequency Pulsing—Controlled or Automatic Start of Ringing and Coin Control

Equipment—J23062K-()

List 1—Assembly, equipment, and wiring for one trunk per SD-25712-01, Fig. 1, and M option for controlled start of ringing.

List 5—Equipment and wiring required in addition to list 1 for building-out capacitor and 2-dB pad per SD-25712-01, Fig. 1, R option only, and Fig. 5.

List 6—Assembly, equipment, and wiring for one trunk per SD-25712-01, Fig. 1, and K option for automatic start of ringing.

Notes

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

1. Wiring required in addition to list 1 when building-out capacitor and 2-dB pad are not provided per SD-25712-01, Fig. 1, S option only.
2. Wiring required in addition to list 1 when coin service improvements (dial-tone-first) is required per SD-25854-01, H option.
3. Wiring required in addition to list 1 when coin service improvements (dial-tone-first) is not required per SD-25854-01, J option.

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

J23062L—A&M Only—Unit for One Toll Switching Trunk From No. 3C, 3CF, or 3CL Switchboard in the Same Building—Multifrequency Pulsing—Automatic Start of Ringing

Equipment—J23062L-()

List 1—Assembly, equipment, and wiring required for one trunk per SD-25683-01, Fig. 1.

List 4—Equipment and wiring required in addition to list 1 for 2-dB pad per SD-25683-01, T option.

Notes

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

1. Wiring required in addition to list 1 when 2-dB pad is not provided per SD-25683-01, V option.

J23062M—AT&T Co Std—Unit for One Incoming Trunk for Testing Message Registers With Dialing Pulsing

Equipment—J23062M-()

List 1—Assembly, equipment, and wiring for one trunk per SD-25834-01, Fig. 1 and 2.

Notes

A. This unit shall be located on the same frame with the associated power supply panels and no-voltage alarm panels as specified in J27056 and on ED-26270-01.

B. List 1 shall include one cabling terminating unit per J23062M-(), Fig. 2. This unit shall be located on the relay rack mounting the ringing selection switch to which this test trunk is assigned and shall be grouped with the trunk units associated with the same switch in a position corresponding to the switch vertical to which it will connect.

C. Provide 120-volt ac supply in accordance with ED-26485-01, Group 2.

J23062P—AT&T Co Std—Unit for One Incoming Intertoll Trunk—Dial, Multifrequency, or Frequency Shift Pulsing—Incoming CX or SX Supervision—Outgoing CX or SX Supervision or Type "A" Talking Battery Supply

Equipment—J23062P-()

List 2—A&M Only—Equipment and wiring required in addition to list 8 for pad control per SD-25844-01, Fig. A.

List 3—Equipment, including TS(P), and wiring required in addition to list 8 when dial pulsing is initially provided per SD-25844-01, Fig. C.

List 5—A&M Only—Equipment and wiring required

in addition to list 8 for building-out capacitor per SD-25844-01, Fig. 3.

List 6—Equipment and wiring required in addition to list 8 when auxiliary intertoll trunk is not provided per SD-25844-01, Fig. 1, Z option.

List 7—Equipment and wiring required in addition to lists 8 and 9 for building-out capacitors and 2-dB pad per SD-25844-01, Fig. 1, R option only, and Fig. 4.

List 8—Assembly, equipment, and wiring for one trunk per SD-25844-01, Fig. 1.

List 9—Equipment and wiring required in addition to list 8 for telephone service per SD-25844-01, Fig. 1, ZA and ZG options.

List 10—Equipment and wiring required in addition to list 8 for wide area data service per SD-25844-01, Fig. 4 and 5, ZB, ZH, and ZI options.

List 11—Equipment and wiring required in addition to list 10 for 3.7-dB pad per SD-25844-01, ZD option.

Note

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

1. Wiring required in addition to list 8 when pad control is not required per SD-25844-01, Fig. B.
2. Wiring required in addition to list 8 when multifrequency pulsing is initially provided per SD-25844-01, Fig. D.
3. Wiring required in addition to lists 8 and 9 for trunks arranged to complete calls to either home marker group or distant office per SD-25844-01, Fig. E, and Fig. E, ZA option only.
4. Wiring required in addition to list 8 for trunks arranged to complete calls to distant offices only per SD-25844-01, Fig. F.
5. Wiring required in addition to list 8 when building-out capacitors and 2-dB pad are not provided per SD-25844-01, S option.
6. Wiring required in addition to lists 8 and 10 to provide for trunks arranged to complete calls to either home marker group or distant

office per SD-25844-01, Fig. E, and Fig. E, ZB option only.

7. Wiring required in addition to list 10 when 3.7-dB pad is not required per SD-25844-01, ZE option.
8. Wiring required in addition to list 8 when dial pulsing or multifrequency pulsing is provided initially per SD-25844-01, ZF option.
9. Wiring required in addition to list 8 when frequency shift pulsing is provided initially per SD-25844-01, ZC option.

J23062T—A&M Only—Unit for One Toll Switching Trunk From No. 1 Toll Switchboard in the Same Building—MF Pulsing—Controlled or Automatic Start of Ringing—Coin Control Over Separate Jack

Equipment—J23062T-()

List 1—Assembly, equipment, and wiring for one trunk per SD-25854-01, Fig. 1, and K option for controlled start of ringing.

List 4—Equipment and wiring required in addition to list 1 for 2-dB pad per SD-25854-01, R option.

List 5—Assembly, equipment, and wiring for one trunk per SD-25854-01, Fig. 1, and J option for automatic start of ringing.

Notes

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

1. Wiring required in addition to list 1 for connection to "position" coin control circuit per SD-25854-01, Fig. 1, W option only.
2. Wiring required in addition to list 1 for connection to "separate jack" coin control circuit per SD-25854-01, Fig. 1, X option only.
3. Wiring required in addition to list 1 when 2-dB pad is not provided per SD-25854-01, S option.

4. Wiring required in addition to list 1 when coin service improvements (dial-tone-first) is required per SD-25854-01, G option.

5. Wiring required in addition to list 1 when coin service improvements (dial-tone-first) is not required per SD-25854-01, H option.

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

J23062U—A&M Only—Unit for One Incoming Trunk—Revertive, Dial, or Multi-frequency Pulsing or Straightforward—Reverse Battery Supervision—Simplex Controlled Ringing

Equipment—J23062U-()

List 1—Assembly, equipment, and wiring for one trunk per SD-25910-01, Fig. 1, less options.

List 4—Equipment and wiring required in addition to list 1 when 1000-Hz trunk impedance is 1100 ohms or less per SD-25910-01, Fig. 1, V option only.

List 5—Equipment and wiring required in addition to list 1 when 1000-Hz trunk impedance is greater than 1100 ohms per SD-25910-01, Fig. 1, U option only.

List 7—Equipment and wiring required in addition to list 1 for straightforward operation per SD-25910-01, Fig. 4 only.

Notes

A. Reserved.

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

J23062W—A&M Only—Unit For One Incoming Trunk—Dial, Revertive, or Multi-frequency Pulsing, or Straightforward—Reverse Battery Supervision—Simplex Controlled Ringing—or Automatic Start of Ringing Arranged For Coin Control Over Separate Single Trunk Conductor

Equipment—J23062W-()

List 4—Equipment and wiring required in addition to list 10 when 1000-Hz trunk impedance is 1100 ohms or less per SD-25911-01, Fig.

1, V option only.

List 5—Equipment and wiring required in addition to list 10 when 1000-Hz trunk impedance is greater than 1000 ohms per SD-25911-01, Fig. 1, U option only.

List 9—Equipment and wiring required in addition to list 10 for straightforward operation per SD-25911-01, Fig. 4 only.

List 10—Assembly, equipment, and wiring for one trunk per SD-25911-01, Fig. 5, and ZE option for controlled start of ringing.

List 11—Assembly, equipment, and wiring for one trunk per SD-25911-01, Fig. 5, and ZF option for automatic start of ringing.

Notes

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

1. Wiring required in addition to list 1 when coin service improvements (dial-tone-first) to the attendant is required in accordance with SD-25911-01, ZH option.

2. Wiring required in addition to list 1 when coin service improvements (dial-tone-first) to the attendant is not required (coin-first) in accordance with SD-25911-01, ZG option.

B. Job records need not be maintained for A, K, R, S, X, Y, Z, ZA, and ZB options.

J23062Y—A&M Only—Unit For Two Toll Switching Trunks From No. 1 Toll Switchboard In The Same Building—MF Pulsing—Controlled or Automatic Start of Ringing

Equipment—J23062Y-()

List 1—Assembly, equipment, and wiring for two trunks per SD-25855-01, two Fig. 1, and N option for controlled start of ringing.

List 4—Equipment and wiring required in addition to list 1 for 2-dB pad per SD-25855-01, S option.

List 5—Assembly, equipment, and wiring for two trunks per SD-25855-01, two Fig. 1, and M option for automatic start of ringing.

Notes

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

1. Wiring required in addition to list 1 when 2-dB pad is not provided per SD-25855-01, T option.

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

J23062AA—A&M Only—Unit for One Toll Switching Trunk From No. 1 Toll Switchboard in the Same Building—Multifrequency Pulsing—Automatic Start of Ringing

Equipment—J23062AA-()

List 1—Assembly, equipment, and wiring for one trunk per SD-25856-01, Fig. 1.

List 3—Equipment and wiring required in addition to list 1 for 2-dB pad in accordance with SD-25856-01, W option.

Note

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

1. Wiring required in addition to list 1 when 2-dB pad is not required in accordance with SD-25856-01, X option.

J23062AB—A&M Only—Unit for One Incoming Tandem Trunk—Repeated Dialing Using Bylink—Reverse Battery Supervision

Equipment—J23062AB-()

List 1—Assembly, equipment, and wiring for one trunk per SD-25552-01, Fig. 1, less all options.

List 2—Equipment and wiring required in addition to list 1 for permanent signal alarm for first equipped trunk on any one relay rack frame per SD-25552-01, Fig. 2.

List 4—Equipment and wiring required in addition to list 1 when any message-rate or coin lines in step-by-step offices calling this trunk have "immediate charge" per SD-25552-01, Fig. B.

List 5—Equipment and wiring required in addition to list 1 when trunk conductor loop is 0 to 2000 ohms per SD-25552-01, U option only.

List 6—Equipment and wiring required in addition to list 1 when trunk conductor loop is 2000 to 4200 ohms per SD-25552-01, R option only.

List 7—Equipment and wiring required in addition to list 1 when trunk is connected directly to step-by-step selector bank in the same building per SD-25552-01, Fig. 4.

Notes

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

1. Wiring required in addition to list 1 when all message-rate or coin lines in step-by-step offices calling this trunk have delay charge per SD-25552-01, Fig. A.

B. Wiring required in addition to list 1 when trunk is not connected to step-by-step selector bank in the same building per SD-25552-01, S option.

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

J23062AC—A&M Only—Unit for One Attendant Completing Trunk From No. 1 Toll Switchboard in the Same Building—Multifrequency Pulsing

Equipment—J23062AC-()

List 1—Assembly, equipment, and wiring for one trunk per SD-25932-01, Fig. 1 and A.

J23062AE—AT&T Co Std—Unit for Two Auxiliary Intertoll Trunks Providing for 2-Way Operation With Incoming Intertoll Trunk Circuit and Outgoing Dialing or DCKP Trunk Circuit at Toll Switchboard in Same Building—Trunk Circuits Arranged for CX or SX Supervision

Equipment—J23062AE-()

List 1—Assembly, common equipment, and wiring for one auxiliary trunk unit, arranged for

two trunks and equipped for one per SD-25954-01, Fig. 1.

List 2—Equipment and wiring for second auxiliary trunk per SD-25954-01, Fig. 1.

J23062AG—AT&TCo Std—Incoming Trunk for Testing Message Registers With MF Keypulsing

Equipment—J23062AG-()

List 1—Assembly, equipment, and wiring for one trunk per SD-25835-01, Fig. 1, 2, and 3.

Notes

- A. This unit shall be located on the same frame with the associated power supply panels and no-voltage alarm panels as specified in J27056 and shown on ED-26270-01.
- B. List 1 shall include one cable terminating unit per ED-26643-01, Fig. 2. This unit shall be located on the relay rack mounting the ringing selection switch to which this test trunk is assigned and shall be grouped with the trunk units associated with the same switch in a position corresponding to the switch vertical to which it will connect.
- C. Provide 120-volt ac supply in accordance with ED-26485-01, Group 2.

J23062AH—AT&TCo Std—Unit for One Incoming Trunk—Reverse Battery Supervision

Equipment—J23062AH-()

List 1—Assembly, equipment, and wiring for one incoming trunk unit in accordance with SD-26070-01, Fig. 1, less all options.

List 2—Equipment and wiring required in addition to list 1 when 4-party semiselective, 8-, or 10-party lines are served, in accordance with SD-26070-01, Fig. 2.

List 5—Apparatus and wiring required in addition to list 1 when associated with MF, DP, or central B incoming registers in accordance with SD-26070-01, G and T options.

List 6—Apparatus and wiring required in addition to list 1 when associated with RP incoming registers in accordance with SD-26070-01, H and Q options.

J23062AJ—AT&TCo Std—Unit for Two Incoming Tandem Trunks—With or Without Local Completing—Reverse Battery Supervision

Equipment—J23062AJ-()

List 1—Assembly, common equipment, and wiring required for two tandem trunks in accordance with SD-26071-01, two Fig. 1.

List 2—Equipment and wiring required in addition to list 1 for completion to local customer in accordance with SD-26071-01, Fig. 2.

List 3—Equipment and wiring required in addition to list 1 for tandem completion only in accordance with SD-26071-01, Fig. 3.

List 4—Equipment and wiring required in addition to lists 1 and 2 when 4-party semiselective, 8-, or 10-party lines are served in accordance with SD-26071-01, Fig. 4.

List 5—Equipment and wiring required in addition to list 1 for 2-dB pad in accordance with SD-26071-01, P option.

List 6—Apparatus and wiring required in addition to list 1 when associated with MF, DP, or central B incoming registers in accordance with SD-26071-01, ZH option.

List 7—Apparatus and wiring required in addition to list 1 when associated with RP incoming registers in accordance with SD-26071-01, ZG option.

Notes

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

- 1. Wiring required in addition to list 1 when 2-dB pad is not provided in accordance with SD-26071-01, H option.

B. Job records need not be maintained for G, K, R, S, V, W, X, Y, and Z options.

J23062AK—AT&TCo Std—Unit for Two Incoming Trunks—With or Without Tandem Completing—Repeated Dialing Using Bylink—Reverse Battery Supervision

Equipment—J23062AK-()

List 1—Assembly, common equipment, and wiring required for two trunks in accordance with SD-26077-01, two Fig. 1.

List 2—Equipment and wiring required in addition to list 1 for tandem completion in accordance with SD-26077-01, Fig. 2.

List 3—Equipment and wiring required in addition to list 1 for permanent signal alarm for first equipped trunk on any one relay rack frame in accordance with SD-26077-01, Fig. 3.

List 4—Equipment and wiring required in addition to list 1 when 4-party semiselective, 8-, or 10-party lines are served in accordance with SD-26077-01, Fig. 4.

List 5—Equipment and wiring required in addition to list 1 when trunks are connected directly to step-by-step selector bank in same building in accordance with SD-26077-01, Fig. 5.

List 8—Equipment and wiring required in addition to list 1 when trunk conductor loop is 2000 to 4200 ohms in accordance with SD-26077-01, ZB option only.

List 9—Equipment and wiring required in addition to list 1 when trunk conductor loop is 0 to 2000 ohms in accordance with SD-26077-01, ZG option only.

Notes

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

1. Wiring required in addition to list 1 when tandem completing is not provided in accordance with SD-26077-01, Fig. 1, Y option only.

B. Job records need not be maintained for G, Z, and ZA options.

C. This unit with ZG or W option may be used with trunk conductor loops of 2000 ohms to 2400 ohms provided the associated SXS outgoing repeater is of the battery-ground supervision and battery-ground pulsing type such as SD-31147-01.

J23062AL—AT&T Co Std—Unit for Two Auxiliary Incoming Trunks—Dial or Multifrequency Pulsing—For Converting Reverse Battery Supervision to E and M Lead Supervision

Equipment—J23062AL-()

List 1—Assembly, equipment, and wiring for two auxiliary trunks in accordance with SD-27008-01, two Fig. 1 and one Fig. 2.

Notes

A. Reserved.

B. Job records need not be maintained for R, S, and T options.

J23062AM—AT&T Co Std—Unit for Two Toll Switching Trunks from No. 1, 3C, or 3CL Toll Switchboard in the Same Building—Multifrequency Pulsing—Automatic Start of Ringing

Equipment—J23062AM-()

List 1—Assembly, common equipment, and wiring for two toll switching trunks in accordance with SD-26075-01, two Fig. 1, less all options.

List 2—Equipment and wiring required in addition to list 1 to provide for operation with No. 3C or 3CL switchboard in accordance with SD-26075-01, Fig. 2.

List 3—Equipment and wiring required in addition to list 1 to provide for operation with No. 1 toll switchboard in accordance with SD-26075-01, Fig. 3.

List 4—Equipment and wiring required in addition to list 1 when 4-party semiselective, 8-, or 10-party lines are served in accordance with SD-26075-01, Fig. 4.

List 5—Equipment and wiring required in addition to list 1 for 2-dB pad in accordance with SD-26075-01, Z option.

Note

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

1. Wiring required in addition to list 1 when 2-dB pad is not provided in accordance with SD-26075-01, Y option.

J23062AN—AT&T Co Std—Unit for One Toll Switching Trunk From No. 3C or 3CL Toll Switchboard in the Same Building—Multifrequency Pulsing—Controlled or Automatic Start of Ringing—With or Without Coin Operation

Equipment—J23062AN-()

List 1—Assembly, equipment, and wiring for one trunk in accordance with SD-26081-01, Fig. 1, less options.

List 2—Equipment and wiring required in addition to list 1 for coin operation in accordance with SD-26081-01, Fig. 2.

List 3—Equipment and wiring required in addition to list 1 for 2-dB pad in accordance with SD-26081-01, Z option.

Notes

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

1. Wiring required in addition to list 1 when 2-dB pad is not provided in accordance with SD-26081-01, Y option.
2. Wiring required in addition to list 1 for completion to local customer with 4-party semiselective, 8-, or 10-party service in accordance with SD-26081-01, X option.
3. 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-26081-01, W option.
4. Wiring required in addition to list 1 when automatic start of ringing with controlled ringing against on-hook or off-hook supervision is required, in accordance with SD-26081-01, J option.
5. A&M Only—Wiring required in addition to list 1 when controlled start of ringing is required, in accordance with SD-26081-01, H option.
6. Wiring required in addition to list 1 when coin service improvements (dial-tone-first) is required in accordance with SD-26081-01, A option.

7. Wiring required in addition to list 1 when coin service improvements (dial-tone-first) is not required in accordance with SD-26081-01, B option.

B. Office records need not be maintained for N option.

J23062AP—AT&T Co Std—Unit for One Toll Switching Trunk From No. 1 Toll Switchboard in the Same Building—Multifrequency Pulsing—Controlled or Automatic Start of Ringing—With or Without Coin Operation

Equipment—J23062AP-()

List 1—A&M Only—Assembly, equipment, and wiring for one trunk in accordance with SD-26082-01, Fig. 1 with F and ZA options for controlled start of ringing.

List 2—Equipment and wiring required in addition to list 1 or list 4 for coin operation in accordance with SD-26082-01, Fig. 2.

List 3—Equipment and wiring required in addition to list 1 or list 4 for 2-dB pad in accordance with SD-26082-01, W option.

List 4—Assembly, equipment, and wiring for one trunk in accordance with SD-26082-01, Fig. 1, and E option for automatic start of ringing.

Notes

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

1. Wiring required in addition to list 1 or 4 when coin operation is not provided in accordance with SD-26082-01, X option.
2. Wiring required in addition to lists 1 or 4 and 2 when control at switchboard is of the "separate jack" type, in accordance with SD-26082-01, Z option.
3. Wiring required in addition to lists 1 or 4 and 2 when coin control at switchboard is of the "position" type in accordance with SD-26082-01, Y option.
4. Wiring required in addition to list 1 or 4 for completion to local customer with 4-party

semiselective, 8-, or 10-party service in accordance with SD-26082-01, T option.

5. Wiring required in addition to list 1 or 4 when completion to a 4-party semiselective, 8-, or 10-party line is not required in accordance with SD-26082-01, S option.
 6. Wiring required in addition to list 1 or 4 when 2-dB pad is not provided in accordance with SD-26082-01, V option.
 7. Wiring required in addition to list 1 or 4 when coin service improvements (dial-tone-first) is required in accordance with SD-26082-01, ZC option.
 8. Wiring required in addition to list 1 or 4 when coin service improvements (dial-tone-first) is not required in accordance with SD-26082-01, ZB option.
- B. Job records need not be maintained for M option.

J23062AQ—A&M Only—Unit for Two Incoming Trunks—Controlled Ringing—Revertive, Dial, or Multifrequency Pulsing or Straightforward—Reverse Battery or E and M Lead Supervision

Equipment—J23062AQ-()

List 1—Assembly, common equipment, and wiring required for two trunks arranged but not equipped for reverse battery or E and M lead supervision in accordance with SD-26074-01, two Fig. 1.

List 2—Equipment and wiring required in addition to list 1 for reverse battery supervision in accordance with SD-26074-01, Fig. 2.

List 3—Equipment and wiring required in addition to list 1 for E and M lead supervision in accordance with SD-26074-01, Fig. 3.

List 4—Equipment and wiring required in addition to lists 1 and 2 for straightforward operation in accordance with SD-26074-01, Fig. 4.

List 5—Equipment and wiring required in addition to lists 1 and 3 when trunk connects to 2-wire termination of carrier system in accordance with SD-26074-01, Fig. 5.

Notes

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

1. Wiring required in addition to list 1 when trunk connects to CX set and repeating coil circuit or to 4-wire terminating circuit with repeating coil hybrid in accordance with SD-26074-01, H option.
2. Wiring required in addition to lists 1 and 2 when list 4 is not equipped in accordance with SD-26074-01, K option.
3. Wiring required in addition to list 1 for completion to local customer with 4-party semiselective, 8-, or 10-party service in accordance with SD-26074-01, N option.
4. 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-26074-01, M option.

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

J23062AR—AT&T Co Std—Unit for Two Attendant Junctors From No. 1, 3C, or 3CL Toll Switchboard or Testboard No. 19A or Toll Test Unit No. 5A in Same Building—Multifrequency Pulsing—Completing to Distant Office Only

Equipment—J23062AR-()

List 1—Assembly, common equipment, and wiring for two attendant junctors in accordance with SD-26076-01, two Fig. 1.

List 2—Equipment and wiring required in addition to list 1 to provide for operation with No. 3C or 3CL switchboard or testboard No. 19A or toll test unit No. 5A in accordance with SD-26076-01, Fig. 2.

List 3—Equipment and wiring required in addition to list 1 to provide for operation with No. 1 toll switchboard in accordance with SD-26076-01, Fig. 3.

J23062AS—AT&T Co Std—Unit for Two Incoming Intertoll Trunks—Dial or Multi-frequency Pulsing—Incoming Reverse Battery Supervision—Outgoing SX Supervision—With or Without Local Completion

Equipment—J23062AS-()

- List 1**—Assembly, common equipment, and wiring for two trunks in accordance with SD-26152-01, two Fig. 1.
- List 2**—Equipment and wiring required in addition to list 1 for completion to local customer in accordance with SD-26152-01, Fig. 2.
- List 3**—Equipment and wiring required in addition to list 1 for 2-dB pad in accordance with SD-26152-01, G option.
- List 4**—Equipment and wiring required in addition to list 2 for 4.3-dB pad in accordance with SD-26152-01, ZB option.

Notes

- A. In addition, there are options involving wiring only as follows:
1. A&M Only—Wiring required in addition to lists 1 and 2 for local completion with 4-wire ringing selection switches in accordance with SD-26152-01, J option.
 2. Wiring required in addition to list 1 when local completion is not provided in accordance with SD-26152-01, K option.
 3. Wiring required in addition to list 1 when 2-dB pad is not provided in accordance with SD-26152-01, H option.
 4. Wiring required in addition to list 2 when 4.3-dB pad is not provided in accordance with SD-26152-01, ZA option.
- B. Job records need not be maintained for M, N, Q, R, S, T, V, W, X, Y, and Z options.

J23062AT—AT&T Co Std—Unit for One Incoming No-Test Trunk—Controlled Ringing—Reverse Battery or E and M Lead Supervision

Equipment—J23062AT-()

- List 1**—Assembly, common equipment, and wiring for one trunk arranged but not equipped for reverse battery or E and M lead supervision in accordance with SD-26073-01, Fig. 1.
- List 2**—Equipment and wiring required in addition to list 1 for reverse battery supervision in accordance with SD-26073-01, Fig. 2.
- List 3**—Equipment and wiring required in addition to list 1 for E and M lead supervision in accordance with SD-26073-01, Fig. 3.
- List 4**—Equipment and wiring required in addition to lists 1 and 3 when trunk connects to 2-wire termination of carrier system in accordance with SD-26073-01, Fig. 4.
- List 5**—Apparatus and wiring required in addition to list 1 when associated with MF, DP, or central B incoming registers in accordance with SD-26073-01, B option.
- List 6**—Apparatus and wiring required in addition to list 1 when associated with RP incoming registers in accordance with SD-26073-01, ZC option.

Notes

- A. In addition, there are options involving wiring only as follows:
1. Wiring required in addition to lists 1 and 3 when this circuit connects to CX set and repeat coil circuit or to 4-wire terminating circuit with repeat coil hybrid in accordance with SD-26073-01, J option.
 2. Wiring required in addition to list 1 for completion to local customer with 4-party semiselective, 8-, or 10-party lines in accordance with SD-26073-01, N option.
 3. 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-26073-01, M option.
- B. Job records need not be maintained for Q, R, S, T, V, W, X, Y and Z options.

J23062AV—AT&TCo Std—Unit for Two Attendant Junctors for Intertoll Completion From No. 3C or 3CL Toll Switchboard or No. 17B or 18B or 19A Testboard or Test Unit No. 5A in the Same Building—Multifrequency Pulsing—For Completing Calls to Distant Offices Only

Equipment—J23062AV-()

List 1—Assembly, equipment, and wiring for two attendant junctors in accordance with SD-26153-01, two Fig. 1.

J23062AW—AT&TCo Std—Unit for One Incoming Tandem Trunk—Repeated Dialing Using Bylink—Reverse Battery Supervision

Equipment—J23062AW-()

List 1—Assembly, equipment, and wiring for one trunk in accordance with SD-26183-01, Fig. 1.

List 2—Equipment and wiring required in addition to list 1 for permanent signal alarm for first equipped trunk on any one relay rack frame in accordance with SD-26183-01, Fig. 2.

List 3—Equipment and wiring required in addition to list 1 when trunk is connected directly to step-by-step selector bank in same building in accordance with SD-26183-01, Fig. 3.

List 6—Equipment and wiring required in addition to list 1 when trunk conductor loop is 2000 to 4200 ohms in accordance with SD-26183-01, V option only.

List 7—Apparatus and wiring required in addition to list 1 when trunk conductor loop is 0 to 2000 ohms in accordance with SD-26183-01, U option.

Notes

A. Reserved.

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

J23062AY—AT&TCo Std—Unit for One Incoming Trunk—DP or MF Pulsing—Reverse Battery or E and M Lead Supervision—Coin Control

Equipment—J23062AY-()

List 1—Assembly, common equipment, and wiring for one trunk arranged but not equipped for reverse battery or E and M lead supervision in accordance with SD-26123-01, Fig. 1.

List 2—Equipment and wiring required in addition to list 1 for reverse battery supervision in accordance with SD-26123-01, Fig. 2.

List 3—Equipment and wiring required in addition to list 1 for E and M lead supervision in accordance with SD-26123-01, Fig. 3.

List 4—Equipment and wiring required in addition to lists 1 and 3 for multifrequency pulsing in accordance with SD-26123-01, Fig. 4.

List 6—Equipment and wiring required in addition to lists 1 and 3 when trunk connects to 2-wire termination of carrier system in accordance with SD-26123-01, Fig. 6.

List 7—Equipment and wiring required in addition to lists 1 and 3 for ready convertibility between dial and multifrequency pulsing in accordance with SD-26123-01, Fig. 7.

Notes

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

1. Wiring required in addition to lists 1 and 3 when this circuit connects to CX set and repeat coil circuit or to 4-wire terminating circuit with repeat coil hybrid in accordance with SD-26123-01, T option.

2. Wiring required in addition to list 1 for completion to local customer with 4-party semiselective, 8-, or 10-party lines in accordance with SD-26123-01, R option.

3. 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-26123-01, S option.

4. Wiring required in addition to list 1 when coin service improvements (dial-tone-first) is

required in accordance with SD-26123-01, J option.

5. Wiring required in addition to list 1 when coin service improvements (dial-tone-first) to the attendant is not required (coin first) in accordance with SD-26123-01, K option.

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

J23062BA—A&M Only—Unit for Two Incoming Trunks—Reverse Battery Supervision

Equipment—J23062BA-()

List 1—Assembly, equipment, and wiring for two incoming trunks in accordance with SD-26079-01, two Fig. 1.

List 2—Apparatus and wiring required in addition to list 1 when associated with RP incoming registers in accordance with SD-26079-01, K option.

List 3—Apparatus and wiring required in addition to list 1 when associated with MF, DP, or central B incoming register in accordance with SD-26079-01, J option.

Notes

A. Reserved.

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

J23062BB—AT&T Co Std—Unit for One Incoming Trunk From No. 14 Local Test Desk or No. 3 Local Test Cabinet or Office Test Frame Test Circuit—DP or MF Pulsing

Equipment—J23062BB-()

List 1—Assembly, equipment, and wiring for one nonno-test trunk in accordance with SD-26136-01, Fig. 1, less all options.

List 2—Assembly, equipment, and wiring required in addition to list 1 for no-test trunk in accordance with SD-26136-01, Fig. 2.

List 3—Apparatus and wiring required in addition to list 1 to provide range extension for Unigauge cabling in accordance with SD-26136-01, Fig. 3.

List 4—Apparatus and wiring required in addition

to list 1 when range extension for Unigauge cabling is not provided in accordance with SD-26136-01, N option.

Notes

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

1. Wiring required in addition to list 1 for nonno-test trunk in accordance with SD-26136-01, X option.

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

J23062BC—AT&T Co Std—Unit for One Incoming Trunk—RP, DP, or MF Pulsing or Straightforward—Reverse Battery Supervision—Simplex Controlled Ringing Start Signal or Automatic Start of Ringing—Coin Control Over Separate Single Trunk Conductor

Equipment—J23062BC-()

List 1—Assembly, common equipment, and wiring required for one incoming trunk in accordance with SD-26149-01, Fig. 1.

List 2—Equipment and wiring required in addition to list 1 for straightforward operation or for DP operation with trunks common to both switchboard and step-by-step intertoll selector multiple (with delay dial signal) in accordance with SD-26149-01, Fig. 2.

Notes

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

1. Wiring required in addition to list 1 for completion to local customer with 4-party semiselective, 8-, or 10-party lines in accordance with SD-26149-01, N option.
2. Wiring required in addition to list 1 when completion to local customer with 4-party semiselective, 8-, or 10-party lines is not required in accordance with SD-26149-01, M option.

3. Wiring required in addition to list 1 when list 2 is not equipped in accordance with SD-26149-01, K option.
4. Wiring required in addition to list 1 when flash and tone on both line-busy and overflow is required (A&M Only) in accordance with SD-26149-01, B option.
5. Wiring required in addition to list 1 when coin service improvements (dial-tone-first) is required in accordance with SD-26149-01, ZC option.
6. Wiring required in addition to list 1 when coin service improvements (dial-tone-first) to the attendant is not required (coin first) in accordance with SD-26149-01, ZB option.

B. Job records need not be maintained for E, F, G, H, J, Q, R, S, T, V, W, X, Y, Z, and ZA options.

J23062BD—Reserved

J23062BE—Reserved

J23062BF—AT&TCo Std—Unit for One Toll Switching Trunk From No. 5D Toll Switchboard in the Same Building—Multifrequency Pulsing—Automatic Start of Ringing—For Use With 4-Wire Trunk Link Frames

Equipment—J23062BF-()

List 1—Assembly, equipment, and wiring for one trunk in accordance with SD-27502-01, Fig. 1.

Notes

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

J23062BG—AT&TCo Std—Unit for One Incoming Trunk — No-Test — Controlled Ringing—From No. 5D Toll Switchboard in the Same Building—For Use With 4-Wire Trunk Link Frames

Equipment—J23062BG-()

List 1—Assembly, equipment, and wiring for one incoming no-test trunk in accordance with SD-27505-01, Fig. 1.

J23062BH—A&M Only—Unit for One Incoming Trunk—Reverse Battery Supervision—Arranged for Phase II Centrex Service

Equipment—J23062BH-()

List 1—Assembly, equipment, and wiring for one incoming trunk with attendant transfer in accordance with SD-27580-01, Fig. 1.

List 2—Equipment and wiring required in addition to list 1 for completion to 4-party semiselective, 8-, or 10-party lines in accordance with SD-27580-01, Fig. 2.

List 3—Equipment and wiring required in addition to list 1 for attendant and dial transfer in accordance with SD-27580-01, F and ZM options.

List 5—Equipment and wiring required in addition to list 1 when associated register is arranged for MF, DP, or central B in accordance with SD-27580-01, ZO option.

List 6—Equipment and wiring required in addition to list 1 when associated register is arranged for revertive pulsing in accordance with SD-27580-01, ZP option.

List 7—Equipment and wiring required in addition to list 1 for 2- to 5-second timed release of called linkage after called centrex station goes on-hook in accordance with SD-27580-01, ZR option.

Notes

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

1. Wiring required in addition to list 1 for 13 to 32 seconds timed release of called linkage after called centrex station goes on-hook in accordance with SD-27580-01, ZQ option.

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

J23062BJ—A&M Only—Unit for One Incoming Trunk—Repeated Dialing Using Bylink—Reverse Battery Supervision—Arranged for Phase II Centrex Service

Equipment—J23062BJ-()

List 1—Assembly, equipment, and wiring for incoming trunk, in accordance with SD-27581-01, Fig. 1.

List 2—Equipment and wiring required in addition to list 1 for permanent signal alarm for first equipped trunk on any one relay rack frame in accordance with SD-27581-01, Fig. 2.

List 3—Equipment and wiring required in addition to list 1 for tandem completing in accordance with SD-27581-01, Fig. 3.

List 4—Equipment and wiring required in addition to list 1 when 4-party semiselective, 8-, or 10-party lines are served in accordance with SD-27581-01, Fig. 4.

List 6—Equipment and wiring required in addition to list 1 when trunk conductor loop is 0 to 200 ohms with battery-ground pulsing or 0 to 1200 ohms with loop pulsing in accordance with SD-27581-01, ZA option only.

List 7—Equipment and wiring required in addition to list 1 when trunk conductor loop is 2000 and 4000 ohms with battery-ground pulsing or 1200 to 2500 ohms with loop pulsing in accordance with SD-27581-01, W option only.

List 8—Equipment and wiring required in addition to list 1 when trunk is arranged for attendant and dial transfer in accordance with SD-27581-01, M and ZI options.

Notes

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

1. Wiring required in addition to list 1 when trunk connects to transmission facility to distant step-by-step office in accordance with SD-27581-01, S option.
2. Wiring required in addition to list 1 when trunk connects directly to step-by-step selector bank in the same building in accordance with SD-27581-01, S option.

3. Wiring required in addition to list 1 when tandem completing is not required in accordance with SD-27581-01, T option.

4. Wiring required in addition to list 1 when trunk is arranged for attendant transfer only in accordance with SD-27581-01, N and ZJ options.

5. Wiring required in addition to list 1 when timed release of called linkage after called centrex station goes on-hook is 13 to 32 seconds per SD-27581-01, ZF option.

6. Wiring required in addition to list 1 when timed release of called linkage after called centrex station goes on-hook is 2 to 5 seconds per SD-27581-01, ZG option.

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

J23062BK—A&M Only—Unit for Two Auxiliary Incoming Trunks—Reverse Battery Supervision—Arranged for Phase I Centrex Service—Dial Transfer

Equipment—J23062BK-()

List 1—Assembly, equipment, and wiring for two auxiliary incoming trunks in accordance with SD-26257-01, two Fig. 2.

Notes

A. Reserved.

B. Reserved.

C. This unit is an accessory for H599-124 and is required when the latter is used for dial transfer.

J23062BL—A&M Only—Unit for One Auxiliary Incoming Bylink Trunk Arranged for Phase I Centrex Service Dial Transfer

Equipment—J23062BL-()

List 1—Assembly, equipment, and wiring for one auxiliary trunk per SD-26282-01, Fig. 5.

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 per SD-26282-01, F option.

B. Reserved.

C. This unit is an accessory for H599-145 and is required when the latter is used for dial transfer.

J23062BM—AT&TCo Std—Unit of One Incoming Trunk—Reverse Battery Supervision—Phase III Centrex

Equipment—J23062BM-()

List 1—Assembly, equipment, and wiring for one incoming trunk unit in accordance with SD-94820-01, Fig. 2 and SD-27686-01, Fig. 1, less all options.

List 2—Equipment and wiring required in addition to list 1 when 4-party semiselective, 8- or 10-party lines are served in accordance with SD-27686-01, Fig. 2.

List 3—Equipment and wiring required in addition to list 1 when this unit is to function as a test incoming trunk for testing attendant and transfer trunks per SD-27686-01, Fig. 3.

List 4—Equipment and wiring required in addition to list 1 when associated with MF, DP, or central B incoming registers in accordance with SD-27686-01, ZC option.

List 5—Equipment and wiring required in addition to list 1 when associated with RP incoming registers in accordance with SD-27686-01, ZD option.

Notes

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

1. A&M Only—Wiring required in addition to list 1 to provide cancel transfer 2 to 2.4 seconds after called centrex station is on-hook per SD-27686-01, F option.

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

C. For standard timed release of the called linkage 1.2 to 1.6 seconds after a called centrex station is on-hook options G and E must replace options H and F, respectively, and options B and ZF must be added. If any trunk in a marker group is arranged for this timing, all such trunks shall be similarly arranged.

D. AT&TCo Special—When connection to the building-out capacitor circuit is required, options B, E, and ZE per SD-27686-01 must be provided.

J23062BN—AT&TCo Std—Unit for One Incoming Trunk Circuit With or Without Tandem Completing Repeated Dialing Using Bylink Reverse Battery Supervision Arranged for Phase III Centrex Service

Equipment—J23062BN-()

List 1—Assembly, equipment, and wiring for one incoming trunk in accordance with SD-27687-01, Fig. 1 and SD-94820-01, Fig. 2.

List 2—Equipment and wiring required in addition to list 1 for tandem completing in accordance with SD-27687-01, Fig. 2.

List 3—Equipment and wiring required in addition to list 1 for permanent signal alarm for first equipped trunk in any one relay rack frame in accordance with SD-27687-01, Fig. 3.

List 4—Equipment and wiring required in addition to list 1 when 4-party semiselective, 8-, or 10-party lines are served in accordance with SD-27687-01, Fig. 4.

List 6—Equipment and wiring required in addition to list 1 when trunk conductor loop is 2000 to 4200 ohms with battery-ground pulsing or 1200 to 2500 ohms with loop pulsing in accordance with SD-27687-01, V option.

List 7—Wiring and apparatus required in addition to list 1 when trunk conductor loop is 0 to 2000 ohms with battery-ground pulsing or 0 to 1200 ohms with loop pulsing per SD-27687-01, G option.

Notes

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

1. Wiring required in addition to list 1 when tandem completing is not provided in accordance with SD-27687-01, Y option.

3. A&M Only—Wiring required in addition to list 1 to provide cancel transfer 2 to 2.4 seconds after called centrex station is on-hook per SD-27687-01, M and ZA options.
- B. Job records need not be maintained for X, T, and Z options.
- C. For standard timed release of the called linkage 1.2 to 1.6 seconds after a called centrex station is on-hook, options K and ZB must replace options M and ZA, respectively, and option F must be added. Also, if any trunk in a marker group is arranged for this timing all such trunks shall be similarly arranged.
- D. AT&TCo Special—When connection to the building-out capacitor circuit is required options ZA, F, K, and A per SD-27687-01 must be provided.

J23062BP—Reserved

J23062BR—AT&TCo Std—Unit for One Incoming Trunk 4-Wire No-Test

Equipment—J23062BR-()

List 1—Assembly, wiring, and equipment for one incoming trunk in accordance with SD-27711-01, Fig. 1.

J23062BS—AT&TCo Std—Unit for 4-Wire Attendant Tandem Trunk

Equipment—J23062BS-()

List 1—Assembly, equipment, and wiring for one 4-wire attendant tandem trunk in accordance with SD-27732-01, Fig. 1 and SD-94820-01, Fig. 2.

Notes

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

J23062BU—A&M Only—Unit for Ten Auxiliary Incoming Trunks

Equipment—J23062BU-()

List 1—Assembly, wiring, and common equipment for one auxiliary unit arranged for ten auxiliary incoming trunks and equipment for two incoming trunks in accordance with SD-26257-01, two Fig. 3. (See Note C.)

List 2—Apparatus and wiring required in addition to list 1 for two auxiliary incoming trunks in accordance with SD-26257-01, two Fig. 3. (Maximum four list 2 per unit.)

Notes

- A. Reserved.
- B. Reserved.
- C. Unit J23062BU is always required in addition to incoming trunk unit H599-124. One unit per J23062BU serves five units per H599-124 (ten circuits).

J23062BW—A&M Only—Unit for Ten Auxiliary Incoming Trunks

Equipment—J23062BW-()

List 1—Assembly, wiring, and common equipment for one auxiliary unit arranged for ten auxiliary incoming trunks and equipped for one auxiliary incoming trunk in accordance with SD-26282-01, Fig. 6. (See Note C.)

List 2—Apparatus and wiring required in addition to list 1 for one auxiliary incoming trunk in accordance with SD-26282-01, Fig. 6 (a maximum of nine list 2 per unit).

Notes

- A. Reserved.
- B. Reserved.
- C. This unit is an accessory for H599-145 and is required for timed release (2 to 5 seconds) of called linkage after disconnect.

J23062BY—AT&TCo Std—Unit for One Incoming Trunk for Centralized Attendant Operation—Reverse Battery Supervision—Phase III Centrex Service

Equipment—J23062BY-()

List 1—Assembly, equipment, and wiring for one incoming trunk in accordance with SD-94820-01, Fig. 2 and SD-27897-01, Fig. 1.

Notes

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

J23062CA—AT&TCo Std—Unit for One Incoming Trunk for Centralized Attendant Operation—E and M Lead Supervision Phase III Centrex Service

Equipment—J23062CA-()

List 1—Assembly, equipment, and wiring for one incoming trunk in accordance with SD-94820-01, Fig. 2, and SD-27946-01, Fig. 1.

Notes

- A. Reserved.

H599-124—A&M Only—Unit for Two Incoming Trunks—Dial, Revertive or Multi-frequency Pulsing, or Straightforward—Reverse Battery Supervision—Arranged for Phase I Centrex Service

Equipment—H599-124

List 1—Assembly, equipment, and wiring required for two incoming trunk units per SD-26257-01, two Fig. 1. (See Notes C and D.)

List 3—Equipment and wiring required in addition to list 1 to provide switchhook flash for transfer per SD-26257-01, ZK option.

List 4—Equipment and wiring required in addition to list 1 when associated register is arranged for MF, DP, or central B per SD-26257-01, ZP option.

List 5—Equipment and wiring required in addition to list 1 when associated register is arranged for revertive pulsing per SD-26257-01, ZQ option.

List 6—Equipment and wiring required in addition to list 1 when timed release (13 to 32 seconds) of called linkage after disconnect is required per SD-26257-01, ZA and ZM options.

List 7—Equipment and wiring required in addition to list 1 when timed release (2 to 5 seconds) of called linkage after disconnect is required per SD-26257-01, ZN option. (See Note D.)

Notes

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

1. Wiring required in addition to list 1 when dial transfer feature is required per SD-26257-01, ZD option. (See Note C.)
2. Wiring required in addition to list 1 when dial digit 1 for transfer feature is required per SD-26257-01, E option.
3. Wiring required in addition to list 1 when dial transfer feature is not required per SD-26257-01, ZC option.
4. Wiring only required in addition to list 1 when don't answer transfer not required per SD-26257-01, ZI option.

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

- C. This unit is an accessory for H599-124 and is required for timed release (2 to 5 seconds) of called linkage after disconnect.

- D. J23062BU unit is required in addition to this unit for timed release (2 to 5 seconds) of called linkage after disconnect. A maximum of five H599-124 units (ten circuits) may be associated with each auxiliary unit, J23062BU.

H599-145—A&M Only—Unit for One Incoming Trunk—Repeated Dialing Using Bylink—Reverse Battery Supervision Arranged for Phase I Centrex

Equipment—H599-145

List 1—Assembly, equipment, and wiring for one trunk arranged for phase I centrex per SD-26282-01, one Fig. 1. (See Notes C, F, and G.)

List 2—Equipment and wiring required in addition to list 1 for 0- to 2000-ohm conductor loop

with battery and ground pulsing or for 0- to 1200-ohm conductor loop with loop pulsing, in accordance with SD-26282-01, ZE option only. (See Note D.)

List 3—Equipment and wiring required in addition to list 1 for 2000- to 4200-ohm conductor loop with battery and ground pulsing or for 1200- to 2500-ohm conductor loop with loop pulsing, in accordance with SD-26282-01, M option only. (See Note E.)

List 4—Equipment and wiring required in addition to list 1 for permanent signal alarm relay for the first equipped trunk on any one relay rack frame per SD-26282-01, Fig. 2.

List 6—Wiring and equipment required in addition to list 1 to provide for switchhook flash for transfer per SD-26282-01, B option.

List 7—Equipment and wiring required in addition to list 1 when office serves any 4- or 8-party semiselective lines per SD-26282-01, Fig. 4.

List 8—Equipment and wiring required in addition to list 1 when attendant or dial transfer feature is required per SD-26282-01, B and J option.

List 9—Equipment and wiring required in addition to list 1 when timed release (13 to 32 seconds) of called linkage after disconnect is required per SD-26282-01, N and ZH options.

List 10—Equipment and wiring required in addition to list 1 when timed release (2 to 5 seconds) of called linkage after disconnect is required per SD-26282-01, ZI option. (See Note G.)

Notes

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

1. Wiring required in addition to list 1 when dial digit 1 for transfer feature is required per SD-26282-01, S and E options.
2. Wiring required in addition to list 1 when attendant only transfer feature is required per SD-26282-01, K option.

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

C. Wiring and apparatus always required in addition to list 1 (arranges for, but does not add, timed switchhook flash for transfer feature), list A, use N or ZI and V options.

D. List 2 may be used with trunk conductor loops of 2000 to 2400 ohms, provided the associated step-by-step outgoing repeater is of battery and ground supervision and battery and ground-pulsing type such as SD-31147-01.

E. Wiring and apparatus required in addition to list 3 to improve pulsing, list C, use M option, omit Y option.

F. J23062BL unit is required in addition to this unit for dial transfer operation.

G. J23062BW unit is required in addition to this unit for timed release (2 to 5 seconds) of called linkage after disconnect. A maximum of ten H599-145 units may be associated with each auxiliary unit, J23062BW.

5. GENERAL NOTES

5.01 Nonrecord options, involving straps on the switchboard cable side of trunk unit terminal strips, 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.

5.02 When more than one circuit is assigned to a fuse, the circuit number of the first and last assigned circuit shall be stamped on the fuse block with a dash between the numbers. Fuses are to be assigned in alternate sequence from the top and bottom rows of the fuse block. No fuses shall be omitted.

List of A&M Only and Mfr Disc. Equipment

EQUIPMENT	RATING	DETAILS		EQUIPMENT	RATING	DETAILS		EQUIPMENT	RATING	DETAILS		EQUIPMENT	RATING
		LAST SHOWN	REPLACING			LAST SHOWN	REPLACING			LAST SHOWN	REPLACING		
		IN ISSUE	EQUIPMENT			IN ISSUE	EQUIPMENT			IN ISSUE	EQUIPMENT		
J23062A	A&M Only	4	J23062AK	*L4	Mfr Disc.	2	—						
L2	Mfr Disc.	2	—	J23062R	Mfr Disc.	4	J23062AR						
J23062B	Mfr Disc.	4	—	J23062S	Mfr Disc.	4	—						
L2	Mfr Disc.	2	—	J23062T	A&M Only	4	J23062AP						
L3	Mfr Disc.	3	—	L2									
J23062C	Mfr Disc.	6	J23062AH & J23062BA	& L3	Mfr Disc.	2	—						
L2	Mfr Disc.	2	—	J23062U	A&M Only	4	J23062AQ						
J23062D	A&M Only	2	J23062U & J23062W	L2									
L3				& L3	Mfr Disc.	2	—						
& L4	Mfr Disc.	2	—	L6	Mfr Disc.	3	—						
J23062E,L1				J23062W	A&M Only	6	J23062AU						
& L5	Mfr Disc.	6	J23062BB	L1	Mfr Disc.	3	J23062W,L10						
L3	Mfr Disc.	1	—	L2									
J23062F	A&M Only	3	—	& L3	Mfr Disc.	2	—						
L1	Mfr Disc.	2	J23062F,L3	L6,									
L2	Mfr Disc.	2	—	L7, & L8	Mfr Disc.	3	—						
L4	Mfr Disc.	3	—	J23062Y	A&M Only	4	J23062AP						
J23062G	A&M Only	4	J23062AN	L2									
L2				& L3	Mfr Disc.	2	—						
& L3	Mfr Disc.	2	—	J23062AA	A&M Only	4	J23062AM						
L4	Mfr Disc.	4	—	L2	Mfr Disc.	2	—						
J23062H	A&M Only	4	J23062AJ	J23062AB	A&M Only	4	J23062AK						
L2	Mfr Disc.	2	—	L3	Mfr Disc.	2	—						
J23062J	A&M Only	6	J23062AT	J23062AC	A&M Only	3	—						
L2	Mfr Disc.	2	—	L2	Mfr Disc.	3	—						
L6	Mfr Disc.	3	—	J23062AD	Mfr Disc.	5	J23062AS						
J23062K	A&M Only	4	J23062AN	L2	A&M Only	4	—						
L2				J23062AF	Mfr Disc.	4	J23062AJ						
& L3	Mfr Disc.	2	—	J23062AH,									
L4	Mfr Disc.	4	—	L3	Mfr Disc.	9	J23062AH,L5						
J23062L	A&M Only	4	**J23062AM	L4	Mfr Disc.	9	L6						
L2	Mfr Disc.	2	—	J23062AK,									
L3	Mfr Disc.	4	—	L6	Mfr Disc.	9	J23062AK,L9						
J23062N	Mfr Disc.	4	J23062AR	L7	Mfr Disc.	7	L8						
J23062P,L1	Mfr Disc.	6	J23062P,L8	J23062AL,									
L2				L2	Mfr Disc.	9	—						
& L5	A&M Only	4	—	J23062AP,									
				L1	A&M Only	9	J23062AP,L4						

EQUIPMENT	RATING	DETAILS		EQUIPMENT	RATING	DETAILS	
		LAST SHOWN IN ISSUE	REPLACING EQUIPMENT			LAST SHOWN IN ISSUE	REPLACING EQUIPMENT
J23062AQ	A&M Only	6	—	J23062BN,			
J23062AU	Mfr Disc.	6	J23062AY & J23062BC	L5	Mfr Disc.	9	J23062BN,L7
J23062AW,				J23062BU	A&M Only	10	—
L4	Mfr Disc.	9	J23062AW,	J23062BW	A&M Only	10	—
			L7	H599-124	A&M Only	7	—
L5	Mfr Disc.	7	L6	H599-124,L2	Mfr Disc.	9	H599-124,L3
J23062AY,				H599-145	A&M Only	8	—
L5	Mfr Disc.	6	J23062AY,L7	L5	Mfr Disc.	8	—
J23062BA	A&M Only	6	J23062AH	* In Issue 2, this list was shown as list 3.			
J23062BH	A&M Only	9	—	** Replacing equipment was J23062AH.			
L4	Mfr Disc.	9	—	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.			
J23062BJ	A&M Only	9	—				
L5	Mfr Disc.	7	—				
J23062BK	A&M Only	7	—				
J23062BL	A&M Only	8	—				

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