

**COIN AND MESSAGE REGISTER TRUNKS
AND AUXILIARY TRUNK AND LINE CIRCUIT UNITS
RELAY RACK UNITS
(2- BY 23-INCH MOUNTING PLATES)
EQUIPMENT DESIGN REQUIREMENTS
STEP-BY-STEP SYSTEM**

1. GENERAL**SCOPE**

1.01 This specification, together with the supplementary information listed herein, covers the equipment design requirements for the framework, equipment, and circuits to be used in the manufacture and installation of coin and message register trunk units and auxiliary trunk and line circuit units for the step-by-step systems.

1.02 This specification is reissued to:

- (a) Change list 1 of J33015AA.
- (b) Change lists 4 and 5 of J33015AF and add Note D.
- (c) Change lists 2, 3, 6, 7, and 9 of J33015AG and add Note E.
- (d) Change lists 1, 2, and 3 of J33015AK and add list 5 and Note G.
- (e) Add J33015AN.

DESCRIPTION

1.03 It is intended eventually to include in this specification all relay rack units for coin and message register trunk circuits and auxiliary trunk and line circuits that are arranged on 2-inch wide mounting plates.

1.04 These relay units consist of one or more mounting plates that are 2 inches wide by 23 inches long, on which the apparatus for one or more circuits is mounted and surface-wired to

one or more unit terminal strips. The terminal strips facilitate shop testing of the circuit, provide a place for strapping used to obtain circuit options, and serve as a convenient place for the installer to make necessary external connections. These 2-inch units may be mounted on relay racks drilled for 1-3/4 inch mounting plates by using adapters per ED-92243-(), as illustrated on ED-92242-01.

1.05 All units covered by this specification are surface wired.

1.06 The choice of trunk circuit to be used for a particular installation is covered in the J specification or on the keysheet covering that system.

2. SUPPLEMENTARY INFORMATION

800-000-000—Numerical Index — Step-by-Step Systems

800-600-000—Checking List — General Equipment Requirements

J38801—814-007-150—No 360A Dial Office

J38805—814-005-151—No 355A Dial Office—General

J38809—814-006-150—No 356A Dial Office

J39206—814-005-150—List of Requirement Specifications for No 1 and 350A Offices—General

J39210—814-008-150—No 35E97 Dial Offices

J99234—801-025-150—Long Line Equipment for Subscriber Lines to a Central Office

Current Drain Data—

SD-31250-01—No 360A Office

SD-31359-01—No 1 Office

SD-31364-02—No 350A Office

SD-31780-02—No 355A Office

NOTICE

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

SD-32149-02—No 356A Office
SD-32325-02—No 35E97 Office

3. DRAWINGS

For additional drawings forming a part of this specification, see listings under **SUBDIVISION OF EQUIPMENT AND DETAILED INDEX.**

- ED-35051-()—Step-by-Step Systems—No 1, 350A, 355A, 35E97 — Specification and Circuit for Printed Wiring Board Unit for One Controller Circuit for Use with LCOT Unit—CP 1
- ED-35052-()—Step-by-Step Systems—No 1, 350A, 355A, 35E97 — Specification and Circuit for Printed Wiring Board Unit for One Clock and Alarm Circuit for Use With LCOT Unit—CP 2
- ED-91837-()—Relay Rack Assembly—Angle Type—1-Foot, 0-Inch, Sheet-Metal Base—7 Feet, 0 Inch, 9 Feet, 0 Inch, and 11 Feet, 6 Inches High
- ED-92242-01—Application of 2-Inch Plates or Units to 1-3/4 Inch Racks or 1-3/4 Inch Plates or Units to 2-Inch Rack—Typical
- ED-92243-()—Relay-Rack Unit Framework
- ED-92465-01—Relay Rack Assembly — Floor Supported Type — Bulb-Angle Uprights—Height 6 Feet, 10-1/2 Inches
- SD-31250-01—No 360A Office—Keysheet
- SD-31359-01—No 1 Office—Keysheet
- SD-31364-01—No 350A Office —Keysheet
- SD-31780-01—No 355A Office—Keysheet
- SD-32149-01—No 356A Office—Keysheet
- SD-90250-01—Master Keysheet—All Systems

4. EQUIPMENT

J33015A—AT&TCo Std — Message Register Trunk Unit—With Delayed Charge Interval for Operating Subscriber Registers for Use With Line Finders

List 3—Assembly, wiring, and equipment for one 3-circuit message register trunk unit per SD-31493-02, Fig 1, options X and Z, for use in No 1 and 350A offices.

(See Note A.) (No of mounting plates 1; No of circuits, 3.)

List 4—Framework, assembly, wiring, and equipment for one 5-circuit message register trunk unit per SD-31493-02, Fig 2, options X and Z, for use in No 355A and 35E97 offices. (See Note A.) (No of mounting plates 2; No of circuits, 5.)

Notes

- A. Provide option Y when overtime charging is required; omit option Z.
- B. On an A&M Only basis, provide one 1A timer and one P-47M931 network per each message register trunk when a 52A drive unit is furnished for overtime charging.

J33015C—AT&TCo Std — Message Register 2-Party Trunk Unit—With Delayed Charge Interval—For Use With 4-Wire Line Finders

List 1—Framework, assembly, wiring, and equipment per SD-31506-01, Fig 1 and 1B, with wiring options ZA, ZE, and ZG for one message register 2-party trunk and the external line loop not exceeding 1000 ohms. (See Note A.) (No of mounting plates, 3; No of circuits, 1.)

List 2—Wiring and equipment per SD-31506-01, Fig 1, option X wiring and apparatus only, required in addition to list 1 or 6 for offices without AMA or ANI and with numbers checking.

List 3—Wiring and equipment per SD-31506-01, Fig 1, option Z and ZC wiring and apparatus only, required in addition to list 1 or 6 for offices with ANI type B.

List 4—Wiring and equipment per SD-31506-01, Fig 2, required in addition to list 1 or 6 for alarm circuit. (See Note B.)

List 5—Wiring and equipment per SD-31506-01, Fig 1 wiring option Z and option Z and ZD apparatus only, required in addition to list 1 or 6 for offices with ANI type C.

List 6—Framework, assembly, wiring, and equipment per SD-31506-01, Fig 1 and 1B, with wiring option ZE and ZG and option ZB for one message register 2-party trunk arranged for common

control and the external line loop not exceeding 1000 ohms. (See Note A.) (No of mounting plates, 3; No of circuits, 1.)

List 7—Wiring and equipment per SD-31506-01, Fig 1; option Z, ZC, and ZH wiring and apparatus only, required in addition to list 1 or 6 for offices with ANI type A. (Omit ZG wiring.)

List 8—Wiring and equipment per SD-31506-01, Fig 1, option ZF and apparatus only, required in addition to list 1 or 6 when an external line loop exceeds 1000 ohms. (Omit ZE wiring.)

Notes

A. Wiring per SD-31506-01, Fig 1, Y wiring only, required in addition to list 1 or 6 for offices without AMA or ANI and without number checking.

B. One list 4 shall be ordered for each five circuits.

J33015D—AT&TCo — Coin Trunk or Auxiliary Coin Line Unit—For Dial Postpayment Service—For Use with Multiparty Lines with Both Coin and Noncoin Stations— Arranged for Use as an Auxiliary Line Circuit on Lines Having Coin Stations Only

List 1—Framework, assembly, wiring, and equipment for one coin trunk unit per SD-31895-01, less all optional features. (See Notes A, B, C, and D.) (No of mounting plates, 2; No of circuits, 1.)

List 2—Wiring and equipment for tone condenser per SD-31895-01, Fig 1, apparatus option Y only, required in addition to list 1 when used in No 355A or 360A offices.

List 3—Wiring and equipment for tone condenser per SD-31895-01, Fig 1, apparatus option Z only, required in addition to list 1 when used in No 350A offices.

List 4—Wiring and equipment per SD-31895-01, Fig 1, apparatus option V only, required in addition to list 1 when used as either a trunk or an auxiliary line in No 355A

offices with line finder group of coin lines only and with only coin stations on the lines, identified by resistance ground on lead A.

List 5—Wiring and equipment per SD-31895-01, Fig 1, wiring option Q only, and Fig 2, with apparatus option Q, required in addition to list 1 when used as a trunk in No 350A or 360A offices with line finder group of mixed coin and flat-rate lines and with both coin and flat-rate stations on the coin lines, identified by direct ground on lead A for coin stations and no ground on lead A for flat-rate stations or lines.

List 6—Wiring and equipment per SD-31895-01, Fig 1, wiring option N only, and Fig 2, with apparatus option N, required in addition to list 1 when used as a trunk in No 355A offices under the conditions and with lead A distinctions described in list 5.

List 7—Wiring and equipment per SD-31895-01, Fig 1, wiring option M only, and Fig 2, with apparatus option M, required in addition to list 1 when used as a trunk in No 355A offices with line finder group of mixed coin and flat-rate lines and with both coin and flat-rate stations on the coin lines, with distinction between coin lines and flat-rate lines as furnished over lead A by the line finder, and with flat-rate stations on the coin lines identified by no ground on lead A.

List 8—Wiring and equipment per SD-31895-01, Fig 1, J wiring only, and Fig 2, with J apparatus, required in addition to list 1 when used as a trunk in No 355A offices under conditions described in list 7, but with coin station identified by direct ground on lead A. flat-rate station on coin line by resistance ground on lead A, and flat-rate line by no ground on lead A.

List 9—Wiring and equipment per SD-31895-01, Fig 1, K wiring only, and Fig 2, with K apparatus, required in addition to list 1 when used as a trunk in No 355A offices under conditions described in list 7, but with coin station identified by resistance ground on lead A, flat-rate station on coin line by direct ground on lead A, and flat-rate line by no ground on lead A.

Notes

- A. When used as either a trunk or auxiliary line in No 350A, 355A, or 360A offices with line finder group of coin lines only and with only coin stations on the lines, identified by ground on lead A, Fig 1, W wiring only, shall be provided.
- B. When used as a trunk in No 350A or 360A offices with line finder group of mixed coin and flat-rate lines, but with only coin stations on the coin lines, distinguished by direct ground on lead A for coin lines and no ground on lead A for flat-rate lines, Fig 1, T wiring only, shall be provided.
- C. When used as a trunk in No 355A offices under conditions and with lead A distinctions described in Note B, Fig 1, S wiring only, shall be specified.
- D. When used as a trunk in No 355A offices with line finder group of mixed coin and flat-rate lines or mixed coin and two classes of flat-rate lines, with only coin stations on the coin lines, and with lead A, Fig 1, R wiring only, shall be provided.

J33015E—AT&TCo Std — Coin Trunk Timed Release Unit—For Use With Ten Coin Box Trunks—Arranged for Prepay Service

- List 1**—Assembly, wiring, and equipment for one coin trunk timed release unit per SD-31861-01, Fig 1, with B and F wiring (No 1 and 350A offices). (See Note A.) (No of mounting plates 1; No of circuits, 1.)
- List 2**—Wiring and equipment per SD-31861-01, Fig 2, required in addition to list 1, 5, 7, or 8 for one message register mounted on the unit (one required per office).
- List 3**—Wiring and equipment per SD-31861-01, Fig 3 and B, and option ZD, required in addition to list 1 for one alarm relay for stuck-coin indications (one required per No 1 or 350A offices having prepay coin trunks). (See Note C.)
- List 5**—Assembly, wiring, and equipment for one coin trunk release alarm and register unit per SD-31861-01, Fig 4, with option ZE (one required per No 355A

offices having prepay coin trunks). (See list 2 for register.) (See Note A.) (No of mounting plates, 1; No of circuits, 1.)

- List 6**—A&M Only—Assembly, wiring, and equipment for one coin trunk timed release unit per SD-31861-01, Fig 1, with R apparatus and B, F, N, and T wiring (No 360A or 35E97 office). (No of mounting plates, 1; No of circuits, 1.)
- List 7**—A&M Only—Assembly, wiring, and equipment for one coin trunk release, alarm, alarm cutoff relay, and cutoff key unit per SD-31861-01, Fig 4, 5, and 6, with M and K apparatus and M and K local wiring (one per No 35E97 offices). (See Note B.) (No of mounting plates, 1; No of circuits, 1.)
- List 8**—A&M Only—Assembly, wiring, and equipment for one coin trunk release alarm and alarm cutoff relay unit per SD-31861-01, Fig 4 and 5 (one per No 360A office). (No of mounting plates, 1; No of circuits, 1.)
- List 9**—Assembly, wiring, and equipment for one coin trunk timed release unit per SD-31861-01, Fig 1, R apparatus and A, E, and J wiring (No 355A office). (See Note A.) (No of mounting plates, 1; No of circuits, 1.)
- List 10**—Wiring and equipment required in addition to list 5 for offices arranged for ASC system per SD-31861-01, option ZF (omit option ZE) (for No 355A offices).

Notes

- A. One list 1 or 9 is required per ten coin trunks arranged for prepay service. These units are normally mounted with the coin trunk units. The alarm unit per list 5 is mounted in the No 355A alarm bay.
- B. List 7 is equipped universally to the unit terminal strip for both options M and K. The M installer wiring at the unit terminal strip shall be provided where the office alarm does not furnish a ground when the office is attended, or K installer wiring to the alarm circuit where this ground is furnished. Although when K wiring is provided, the apparatus per SD-31861-01, Fig 6, in the form of key CO and lamp GD, performs no function, it is provided in all cases for universality.

- C. Add option ZF when ASC system is required.

J33015F—AT&TCo Prov — Auxiliary Line Unit — For Prepayment Coin Service

List 1—Framework, assembly, wiring, and equipment for one auxiliary line unit per SD-31873-01, Fig 1 and B. (See Notes A, B, and C.) (No of mounting plates 3; No of circuits, 1.)

List 2—Wiring and equipment per SD-31873-01, Fig 2 and D, required in addition to list 1 where associated line finders are connected to digit-absorbing selectors arranged to absorb digits once only.

List 3—Wiring and equipment per SD-31873-01, Fig D, with R wiring, required in addition to list 1 where associated line finders are connected to digit-absorbing selectors arranged to absorb digits repeatedly.

List 4—Wiring and equipment per SD-31873-01, Fig 2 and D, with Q wiring, required in addition to list 1 where associated line finders are connected to digit-absorbing selectors arranged to absorb some digits once only and other digits repeatedly, and arranged to rotary hunt on all levels after absorbing the once-only digit.

List 5—Wiring and equipment per SD-31873-01, Fig 2 and D, with R wiring, required in addition to list 1 where associated line finders are connected to digit-absorbing selectors arranged to absorb some digits once only and not arranged to rotary hunt on all levels after absorbing the digit.

Notes

- A. Provide Y wiring in addition to list 1 where local trains are used to complete delayed and inward collect traffic.
- B. Provide Z wiring in addition to list 1 where toll or local and toll trains are used to complete delayed and inward collect traffic.
- C. Provide Fig C in addition to list 1 where associated line finders are not connected to a digit-absorbing selector.

J33015G—AT&TCo Std — Auxiliary Trunk Unit—For Use With Selector Repeaters and Arranged to Cut Through When Digit 1 or 11 Is Dialed

List 1—Assembly, wiring, and equipment for one auxiliary trunk circuit per SD-30856-01, Fig 1, with option W. (See Notes A, B, and C.) (No of mounting plates, 1; No of circuits, 1.)

Notes

- A. Wiring per SD-30856-01, option X, shall be provided in addition to list 1 in No 355A offices.
- B. Wiring per SD-30856-01, option Y, shall be provided in addition to list 1 in No 1 or 350A offices.
- C. Installer shall add option Z on the unit terminal strip if cut-through is desired when digit 1 is dialed.

J33015H—A&M Only — Auxiliary Line Unit— For Use on Prepayment Coin Lines Arranged for 10-Cent Initial Charge and To Repeat the Sleeve Ground

List 1—Assembly, wiring, and equipment for one auxiliary line unit for use with coin box line equipped with five line circuits when there is a loop-start connecting circuit, per SD-32166-01, Fig 1, with W and Y apparatus. (No of mounting plates, 1; No of circuits, 5.)

List 2—Assembly, wiring, and equipment for one auxiliary line unit for use with coin box line equipped with five line circuits when the connecting circuit is of the ground-start type per SD-32166-01, Fig 1, with V and Y apparatus. (No of mounting plates, 1; No of circuits, 5.)

List 3—Assembly, wiring, and equipment for one auxiliary line unit for use with coin box line equipped with five line circuits when the connecting circuit is of the loop-start type per SD-32166-01, Fig 2 with W apparatus. (No of mounting plates, 1; No of circuits, 5.)

List 4—Assembly, wiring, and equipment for one auxiliary line unit for use with coin box line equipped with five line circuits

when there is a ground-start per SD-32166-01, Fig 2, with V apparatus. (No of mounting plates, 1; No of circuits, 5.)

Notes

- A. Wiring per SD-32166-01, Fig 1, T wiring only, is required to be added to existing units when the coin service improvement feature (dial tone first) is specified.

J33015K—AT&TCo Std — Auxiliary Trunk Unit— For Use Preceding a Trunk to Manual or Toll Office—To Return Initial Coin Deposited at a Dial Prepayment Coin Station

List 1—Assembly, wiring, and equipment per SD-32025-01, Fig 1, with K wiring, for one auxiliary trunk circuit. (See Notes A, B, C, and D.) (No of mounting plates, 1; No of circuits, 1.)

List 2—Wiring and equipment per SD-32025-01, Fig 2, required in addition to list 1 for one interrupter relay to serve one group of six auxiliary trunk circuits.

List 3—Wiring and equipment per SD-32025-01, Fig 1 and 2, T apparatus only, required in addition to list 2 when used in No 355A office and the ringing machine operates on a start-stop basis.

List 4—Wiring and equipment per SD-32025-01, Fig 3, required in addition to list 2 for contact protection (one per office).

Notes

- A. Wiring per SD-32025-01, Fig 1, V wiring only, shall be specified in addition to list 1 when list 3 is not provided.
- B. Wiring per SD-32025-01, Fig 1, Y wiring only, shall be specified in addition to list 1 to provide for return of initial coin when class-of-service tone is resistance ground.
- C. Wiring per SD-32025-01, Fig 1, Z wiring only, shall be specified in addition to list 1 to provide for return of initial coin when class-of-service tone is direct ground.
- D. When the coin service improvement feature (CSI) is required, an applique unit per J33015AH, consisting of the supervisory and

ringback features per SD-32025-01, Fig 4 and 5, respectively, is available for connection to list 1 with the omission of K wiring.

J33015M—AT&TCo Std — Auxiliary Trunk Unit—Arranged to Connect on Incoming Trunk From a Step-by-Step Office to a Rotary-Out Trunk Switch

List 1—Assembly, wiring, and equipment for one auxiliary trunk circuit per SD-30865-01, Fig 3. (No of mounting plates, 1; No of circuits, 1.)

List 2—Wiring and equipment per SD-30865-01, Fig 2, required in addition to list 1 for busy-tone capacitor (one per ten auxiliary trunks).

J33015R—AT&TCo Std — Auxiliary Line Unit—For Use With Coin Control Connectors No 350A, 355A, 360A, and 35E97 Offices

List 1—Assembly, wiring, and equipment for one unit of five auxiliary line circuits, per SD-32024-01, Fig 1. (No of mounting plates, 1; No of circuits, 5.)

J33015S—AT&TCo Std — No 355A Coin Trunk Unit or No 355A and 356A Auxiliary Coin Line Units — Arranged for Dial Postpayment Service

List 1—Assembly, wiring, and equipment for one auxiliary coin line unit or coin trunk unit per SD-32146-01, Fig 1 (See Note A.) (No of mounting plates, 1; No of circuits, 1.)

Note

- A. Where this unit is used as a coin trunk in a No 355A office, the installer shall remove option X wiring at the unit terminal strip and provide option W or V in accordance with job requirements.

J33015T—AT&TCo Std—Coin Control Trunk Unit—Using Two Frequencies Over Tip and Ring—For Outgoing Calls, to Switchboard Using Local Train—With or Without Return of Initial Coin

List 3—Wiring and equipment per SD-32288-01, Fig 1, V apparatus and wiring only (omit W wiring), required in addition to list 1, 9, or 10 when return of initial coin is required.

List 4—Wiring and equipment per SD-32288-01, Fig 1, Y apparatus and wiring only (omit R and Z wiring), required in addition to list 1, 9, or 10 when one class-of-service tone is required for coin calls identified by direct ground and noncoin by no indication on lead A.

List 5—Wiring and equipment per SD-32288-01, Fig 1, X apparatus and X and M wiring only (omit R and Z wiring), required in addition to list 1, 9, or 10 when two class-of-service tones are required for coin calls identified by resistance ground and noncoin by direct ground or no indication on lead A.

List 6—Wiring and equipment per SD-32288-01, Fig 1, X apparatus and X and N wiring only (omit R and Z wiring), required in addition to list 1, 9, or 10 when two class-of-service tones are required for coin calls identified by direct ground and noncoin by resistance ground or no indication on lead A.

List 7—Wiring and equipment per SD-32288-01, Fig 1, X apparatus and X and Q wiring only (omit R and Z wiring), required in addition to list 1, 9, or 10 when two class-of-service tones are required for coin calls identified by direct or resistance ground and noncoin by no indication on lead A.

List 10—Framework, assembly, wiring, and equipment for one coin control trunk unit arranged for one or no class-of-service tone indication with coin lines per SD-32288-01, Fig 1, with A, F, H, J, and W wiring and A apparatus. (See Notes A, B, and C.) (No of mounting plates, 2; No of circuits, 1.)

Notes

A. Resistance lamp R per SD-32288-01, Fig 2, shall be located on a miscellaneous fuse and lamp panel.

B. When class-of-service tone indication is required in No 35E97 offices for coin calls identified by direct ground and noncoin by no

indication on lead EC, omit J wiring. The installer shall connect K wiring at the unit terminal strip.

C. Wiring per SD-32288-01, Fig 1, E wiring only, required in addition to list 9 when the coin station sets arranged for dial tone first operation feature is required. (Omit F wiring.)

J33015U—AT&T Co Std—Coin Control Trunk Unit—Using Two Frequencies Over Tip and Ring — For Calls From Switchboard Using Local or Toll Train

List 4—Wiring and equipment per SD-32289-01, Fig 1, with Y and Z apparatus and wiring only, required in addition to list 1, 6, or 10 when connection to a coin connector is required.

List 7—Wiring and equipment per SD-32289-01, Fig 1, W apparatus and W and S wiring only, required in addition to list 6 or 10 when connection to a toll incoming trunk is required.

List 8—Wiring and equipment per SD-32289-01, Fig 1, X and Z apparatus and X, Z, and S wiring only, required in addition to list 6 or 10 when connection to a toll transmission selector is required.

List 9—Wiring and equipment required in addition to list 6 or 10 when office coin control potential is ± 130 volts, per SD-32289-01, N wiring and apparatus (omit M wiring).

List 10—Framework, assembly, wiring and equipment for one coin control trunk unit, per SD-32289-01, Fig 1, with G, M, R, and T wiring and G and K apparatus. (See Notes A and B.) (No of mounting plates, 2; No of circuits, 1.)

Notes

A. Resistance lamp R per SD-32289-01, Fig 2, shall be located on a miscellaneous fuse and lamp panel.

B. Wiring per SD-32289-01, Fig 1, Q wiring only, required in addition to list 6 when the coin station sets arranged for dial tone first operation feature is required. (Omit R wiring.)

J33015W—AT&TCo Std—Auxiliary Trunk Unit — With Loop Pulsing— Arranged to Complete Service Code Calls to Local Office or CAMA and Service Code Calls to Distant CAMA Office

List 3—Assembly, wiring, and equipment for one 2-circuit auxiliary trunk unit per SD-32281-01, Fig 1, with R, V, and X apparatus and V and X wiring. (No of mounting plates, 1; No of circuits, 2.)

J33015X—AT&TCo Std—Coin Control Trunk Unit—Using Two Frequencies Over Tip and Ring—For Calls From Switchboard Using Toll Trains and for Calls to Switchboard—Loop or E and M Lead Signaling—With or Without Return of Initial Coin

List 3—Wiring and equipment per SD-32298-01, Fig 1, S apparatus and wiring only, required in addition to list 1 or 15 when operation with 2-way trunks that signal over loop is required.

List 5—Wiring and equipment per SD-32298-01, Fig 1, Y apparatus and wiring only, required in addition to list 1 or 15 when one class-of-service tone is required for coin calls identified by direct ground and noncoin by no indication on lead A (No 350A and 355A offices).

List 6—Wiring and equipment per SD-32298-01, Fig 1, X apparatus and X and K wiring, required in addition to list 1 or 15 when two class-of-service tones are required for coin calls identified by direct or resistance ground and noncoin by no indication on lead A (No 350A and 355A offices).

List 7—Wiring and equipment per SD-32298-01, Fig 1, X apparatus and X and M wiring, required in addition to list 1 or 15 when two class-of-service tones are required for coin calls identified by resistance ground and noncoin calls by direct ground or no indication on lead A (No 350A and 355A offices).

List 8—Wiring and equipment per SD-32298-01, Fig 1, X apparatus and X and W wiring only, required in addition to list 1 or 15 when two class-of-service tones are required for coin calls identified by direct ground and noncoin calls by resistance

ground or no indication on lead A (No 350A and 355A offices).

List 9—Wiring and equipment per SD-32298-01, Fig 1, H apparatus and wiring only (omit G wiring), required in addition to list 1 or 15 for use in No 35E97 offices.

List 12—Wiring and equipment per SD-32298-01, Fig 1, Q apparatus and Q and ZA wiring only, required in addition to list 1 or 15 when operation with 2-way trunks that use CX signaling is required.

List 13—Wiring and equipment per SD-32298-01, Fig 1, V apparatus and V and A wiring only (omit T wiring), required in addition to list 1 or 15 when return of initial coin under control of this circuit is required.

List 14—Wiring and equipment per SD-32298-01, Fig 1, ZD apparatus and wiring only, required in addition to list 1 or 15 when the coin station sets arranged for dial tone first operation feature are required. (Omit ZC wiring.)

List 15—Framework, assembly, wiring, and equipment for one coin control trunk unit arranged for cutting through of coin box trunk circuit, per SD-32298-01, Fig 1, with B, G, R, T, ZC, and ZE wiring and ZE apparatus. (See Notes A through E.) (No of mounting plates 3; No of circuits 1.)

Notes

A. Resistance lamp R per SD-32298-01, Fig 2, shall be located on a miscellaneous fuse and lamp panel.

B. Wiring and equipment per SD-32298-01, Fig 1, ZB wiring only, required in addition to list 1 when one class-of-service tone is required for coin calls identified by direct ground and noncoin by no indication on lead EC (No 35E97 office).

C. Wiring per SD-32298-01, Fig 1, J wiring only, required in addition to list 1 when one class-of-service tone is required in No 35E97 offices or when no class-of-service tone indication with coin line only is required in No 350A, 355A, and 35E97 offices.

- D. Wiring per SD-32209-01, Fig 1, N wiring only, required in addition to list 1 when cut-through of a coin box trunk circuit under control of this circuit is not required. (Omit R wiring).
- E. Wiring per SD-32298-01, Fig 1, Z wiring only, required in addition to list 1 when one class-of-service tone indication with coin line only is required in No 350A and 355A offices.

J33015Y—AT&TCo Std—Transistor Receiver Unit — 700 and 1100 Cycles per Second

- List 4**—Framework, assembly, wiring, and equipment for one transistor-receiver unit arranged for plug-in connection from an associated coin control trunk or from a coin outgoing trunk circuit per SD-95956-01, Fig 1, with options T, V, and X (receiver on same frame with coin outgoing trunk units). (No of mounting plates 2; No of circuits, 1).
- List 5**—Framework, assembly, wiring, and equipment for one transistor-receiver unit arranged for cabling from a coin outgoing trunk circuit per SD-95956-01, Fig 1, with options T, V, and Y (receiver on frame other than coin outgoing trunk frame). (No of mounting plates, 2; No of circuits, 1).

J33015AA—AT&TCo Std—Auxiliary Trunk Unit—For Use With Reverting Call Selectors—To Return Busy Tone After Dialing One or Two Digits

- List 1**—Assembly, wiring, and equipment for one auxiliary trunk unit per SD-32535-01, Fig 1, and option Y for use with reverting call selectors arranged for 2-digit operation.

Note

- A. Wiring per SD-32535-01, Fig 1, option Z only, is required in addition to list 1 when reverting call selectors are arranged for 1-digit operation.

J33015AB—AT&TCo Std—Auxiliary Trunk Unit—Arranged to Direct Special Toll or Operator Assistance Traffic to Outgoing Trunks via ROTS Circuits—Arranged to Send Overflow Tone

- List 2**—Wiring and equipment per SD-32341-01, Fig 2, required in addition to list 1 or 4 for one busy tone capacitor. (See Note C.)
- List 3**—A&M Only—Wiring and equipment per SD-32341-01, Fig 1, option Y only, required in addition to each of the two circuits per list 4 when used with battery searching selectors in a No 35E97 office (See Note A.)
- List 5**—Framework, assembly, wiring, and equipment per SD-32341-01, Fig 1, with W, V, and Q options, for one 2-circuit auxiliary trunk unit. (See Note C.) (No of mounting plates, 3; No of circuits, 2.)

Notes

- A. When it is required to provide option Y for units per list 1, it is first necessary to add option W and V and to remove option X.
- B. Strap Z on the unit terminal strip shall be furnished by the installer as required for the particular job.
- C. One list 2 shall be ordered for each ten trunk circuits.

J33015AC—AT&TCo Std—Auxiliary Trunk Unit—For “O” Emergency Operator Calls Over Recording Completing or Operator Office Trunks

- List 1**—Assembly, wiring, and equipment for one 2-circuit auxiliary trunk unit per SD-32528-01, Fig 1, option Z. (No of mounting plates, 3; No of circuits, 2.)
- List 2**—Equipment required in addition to list 1 for audible ringing tone capacitors per SD-32528-01, Fig 2, for use in No 1, 350A, 355A, or 360A offices.
- List 3**—Equipment required in addition to list 1 for audible ringing tone capacitors per SD-32528-01, Fig 3, for use in No 35E97 offices with vibrating-type ringing supply.

List 4—Equipment required in addition to list 1 for audible ringing tone capacitors per SD-32528-01, Fig 4, for use in No 35E97 offices with subcycle or rotary-type ringing supply.

List 5—Equipment and wiring required in addition to list 1 for 500-ohm sleeve battery resistor per SD-32528-01, Fig 1, option Y (omit option Z), when used with battery seeking selectors in No 35E97 offices.

J33015AD—AT&TCo Std — Auxiliary Coin Trunk Unit—Arranged to Provide Coinless Access to Specified Numbers From Coin Telephones

List 1—Framework, assembly, wiring, and equipment for one auxiliary trunk unit per SD-32538-01, Fig 1. (See Notes A and B.) (No of mounting plates, 4; No of circuits, 1.)

List 2—Wiring and equipment per SD-32538-01, Fig 2, with Z wiring, required in addition to list 1 in offices equipped with common control.

List 3—Wiring and equipment per SD-32538-01, Fig 2 and 3, required in addition to list 1 in offices equipped with noncompatible TOUCH-TONE® calling.

Notes

- A. Provide Y wiring in No 1 and 350A offices.
- B. Provide X wiring in No 355A, 360A, and 35E97 offices.

J33015AE—AT&TCo Std — Auxiliary Trunk Unit — To Provide Automatic Timed Release on Calling Party Hold

List 1—Assembly, wiring, and equipment for one unit with two auxiliary trunk circuits per SD-32540-01, Fig 1 and option Y. (No of mounting plates, 1; No of circuits 2.)

J33015AF—AT&TCo Std—Coin Trunk Unit—For Use Preceding a First Selector— Serving Prepayment Coin Lines With Coin Telephones Arranged for Prepay Service

List 2—Wiring and equipment required in addition to list 1 or 4 for offices where class-of-service tone for coin lines is indicated by a 3000-ohm ground per SD-32539-01, Fig 1, R wiring and apparatus only. (Omit Q wiring.)

List 3—Wiring and equipment per SD-32539-01, Fig 1, X wiring and apparatus only, required in addition to list 1 or 4 in offices equipped with ANI-B, or in No 35E97 offices requiring a class-of-service tone.

List 4—Framework, assembly, wiring, and equipment for one coin trunk unit arranged for prepay service for office without ANI and class-of-service tone indicated by ground, per SD-32539-01, Fig 1 and 6, J ZB apparatus and E, J, Q, ZC, ZE, ZL, ZN, and ZQ wiring. (See Notes A to D.) (No of mounting plates, 3; No of circuits, 1.)

List 5—Wiring and equipment required in addition to list 1 or 4 when local coin overtime (LCOT) is provided per SD-32539-01, B apparatus and B, G, and ZR wiring. (Omit E and ZQ wiring.)

List 6—Wiring and equipment required in addition to list 1 or 4, per SD-32539-01, A wiring and apparatus, when the coin trunk is preceded by a rotary line switch.

List 7—Wiring and equipment required in addition to list 4 when coin trunk receives reverse battery supervision on non-charge calls and LCOT is furnished per SD-32539-01, ZD apparatus wiring. Omit ZC wiring. (See Note E.)

Notes

- A. Provide one ED-32388-() cutoff key and trunk assignment designation strip for each bay. The cutoff key isolates the upper and lower multiples of leads P, A, and I. The cutoff key shall be mounted between trunks 10 and 11.
- B. In offices equipped with ANI-C or ANI-D, remove Z wiring from list 1 or 4 and provide Y wiring.
- C. Trunks per J33015AF-() are designed to be used only in offices that do not plan to provide coinless access to specified numbers. In

- D. Wiring per SD-32209-01, Fig 1, N wiring only, required in addition to list 1 when cut-through of a coin box trunk circuit under control of this circuit is not required. (Omit R wiring).
- E. Wiring per SD-32298-01, Fig 1, Z wiring only, required in addition to list 1 when one class-of-service tone indication with coin line only is required in No 350A and 355A offices.

J33015Y—AT&TCo Std—Transistor Receiver Unit — 700 and 1100 Cycles per Second

- List 4**—Framework, assembly, wiring, and equipment for one transistor-receiver unit arranged for plug-in connection from an associated coin control trunk or from a coin outgoing trunk circuit per SD-95956-01, Fig 1, with options T, V, and X (receiver on same frame with coin outgoing trunk units). (No of mounting plates 2; No of circuits, 1).
- List 5**—Framework, assembly, wiring, and equipment for one transistor-receiver unit arranged for cabling from a coin outgoing trunk circuit per SD-95956-01, Fig 1, with options T, V, and Y (receiver on frame other than coin outgoing trunk frame). (No of mounting plates, 2; No of circuits, 1).

J33015AA—AT&TCo Std—Auxiliary Trunk Unit—For Use With Reverting Call Selectors—To Return Busy Tone After Dialing One or Two Digits

- List 1**—Assembly, wiring, and equipment for one auxiliary trunk unit per SD-32535-01, Fig 1, and option Y for use with reverting call selectors arranged for 2-digit operation.

Note

- A. Wiring per SD-32535-01, Fig 1, option Z only, is required in addition to list 1 when reverting call selectors are arranged for 1-digit operation.

J33015AB—AT&TCo Std—Auxiliary Trunk Unit—Arranged to Direct Special Toll or Operator Assistance Traffic to Outgoing Trunks via ROTS Circuits—Arranged to Send Overflow Tone

- List 2**—Wiring and equipment per SD-32341-01, Fig 2, required in addition to list 1 or 4 for one busy tone capacitor. (See Note C.)
- List 3**—A&M Only—Wiring and equipment per SD-32341-01, Fig 1, option Y only, required in addition to each of the two circuits per list 4 when used with battery searching selectors in a No 35E97 office (See Note A.)
- List 5**—Framework, assembly, wiring, and equipment per SD-32341-01, Fig 1, with W, V, and Q options, for one 2-circuit auxiliary trunk unit. (See Note C.) (No of mounting plates, 3; No of circuits, 2.)

Notes

- A. When it is required to provide option Y for units per list 1, it is first necessary to add option W and V and to remove option X.
- B. Strap Z on the unit terminal strip shall be furnished by the installer as required for the particular job.
- C. One list 2 shall be ordered for each ten trunk circuits.

J33015AC—AT&TCo Std—Auxiliary Trunk Unit—For "O" Emergency Operator Calls Over Recording Completing or Operator Office Trunks

- List 1**—Assembly, wiring, and equipment for one 2-circuit auxiliary trunk unit per SD-32528-01, Fig 1, option Z. (No of mounting plates, 3; No of circuits, 2.)
- List 2**—Equipment required in addition to list 1 for audible ringing tone capacitors per SD-32528-01, Fig 2, for use in No 1, 350A, 355A, or 360A offices.
- List 3**—Equipment required in addition to list 1 for audible ringing tone capacitors per SD-32528-01, Fig 3, for use in No 35E97 offices with vibrating-type ringing supply.

List 4—Equipment required in addition to list 1 for audible ringing tone capacitors per SD-32528-01, Fig 4, for use in No 35E97 offices with subcycle or rotary-type ringing supply.

List 5—Equipment and wiring required in addition to list 1 for 500-ohm sleeve battery resistor per SD-32528-01, Fig 1, option Y (omit option Z), when used with battery seeking selectors in No 35E97 offices.

J33015AD—AT&TCo Std — Auxiliary Coin Trunk Unit—Arranged to Provide Coinless Access to Specified Numbers From Coin Telephones

List 1—Framework, assembly, wiring, and equipment for one auxiliary trunk unit per SD-32538-01, Fig 1. (See Notes A and B.) (No of mounting plates, 4; No of circuits, 1.)

List 2—Wiring and equipment per SD-32538-01, Fig 2, with Z wiring, required in addition to list 1 in offices equipped with common control.

List 3—Wiring and equipment per SD-32538-01, Fig 2 and 3, required in addition to list 1 in offices equipped with noncompatible TOUCH-TONE® calling.

Notes

- A. Provide Y wiring in No 1 and 350A offices.
- B. Provide X wiring in No 355A, 360A, and 35E97 offices.

J33015AE—AT&TCo Std — Auxiliary Trunk Unit — To Provide Automatic Timed Release on Calling Party Hold

List 1—Assembly, wiring, and equipment for one unit with two auxiliary trunk circuits per SD-32540-01, Fig 1 and option Y. (No of mounting plates, 1; No of circuits 2.)

J33015AF—AT&TCo Std—Coin Trunk Unit—For Use Preceding a First Selector—Serving Prepayment Coin Lines With Coin Telephones Arranged for Prepay Service

List 2—Wiring and equipment required in addition to list 1 or 4 for offices where class-of-service tone for coin lines is indicated by a 3000-ohm ground per SD-32539-01, Fig 1, R wiring and apparatus only. (Omit Q wiring.)

List 3—Wiring and equipment per SD-32539-01, Fig 1, X wiring and apparatus only, required in addition to list 1 or 4 in offices equipped with ANI-B, or in No 35E97 offices requiring a class-of-service tone.

List 4—Framework, assembly, wiring, and equipment for one coin trunk unit arranged for prepay service for office without ANI and class-of-service tone indicated by ground, per SD-32539-01, Fig 1 and 6, J ZB apparatus and E, J, Q, ZC, ZE, ZL, ZN, and ZQ wiring. (See Notes A to D.) (No of mounting plates, 3; No of circuits, 1.)

List 5—Wiring and equipment required in addition to list 1 or 4 when local coin overtime (LCOT) is provided per SD-32539-01, B apparatus and B, G, and ZR wiring. (Omit E and ZQ wiring.)

List 6—Wiring and equipment required in addition to list 1 or 4, per SD-32539-01, A wiring and apparatus, when the coin trunk is preceded by a rotary line switch.

List 7—Wiring and equipment required in addition to list 4 when coin trunk receives reverse battery supervision on non-charge calls and LCOT is furnished per SD-32539-01, ZD apparatus wiring. Omit ZC wiring. (See Note E.)

Notes

- A. Provide one ED-32388-() cutoff key and trunk assignment designation strip for each bay. The cutoff key isolates the upper and lower multiples of leads P, A, and I. The cutoff key shall be mounted between trunks 10 and 11.
- B. In offices equipped with ANI-C or ANI-D, remove Z wiring from list 1 or 4 and provide Y wiring.
- C. Trunks per J33015AF-() are designed to be used only in offices that do not plan to provide coinless access to specified numbers. In

cases where the feature is anticipated, units per J33015AG-() shall be specified.

- D. When a dial long line is required with LCOT, furnish ZK and ZM wiring and omit ZE, ZL, and ZN wiring.

***J33015AG—AT&T Co Std—Coin Trunk Unit—
For Use Preceding a First
Selector—Serving Prepayment
Coin Lines With Coin Telephones
Arranged for Either Prepay Ser-
vice or Coinless Access to
Specified Numbers***

- List 2**—Assembly, wiring, and equipment required in addition to list 1 or 6 for offices without common control or TOUCH-TONE calling on coin telephones when coinless access to specified numbers is required per SD-32539-01, Fig 2, 5, and with ZP apparatus. (See Notes A and B.)
- List 3**—Assembly, wiring, and equipment required in addition to list 1 or 6 for non-compatible TOUCH-TONE or common control offices with TOUCH-TONE calling on coin telephones when coinless access to specified numbers is required, per SD-32539-01, Fig 2, 4, 5, and 6 with ZP apparatus. (See Notes A and B.)
- List 4**—Wiring and equipment required in addition to list 1 or 4 for offices where class-of-service tone for coin lines is indicated by a 3000-ohm ground, per SD-32539-01, Fig 1, with R wiring and apparatus only. (Omit Q wiring.)
- List 5**—Wiring and equipment per SD-32539-01, Fig 1, with X wiring and apparatus only, required in addition to list 1 or 6 in offices equipped with ANI-B, or in No 35E97 offices requiring a class-of-service tone.
- List 6**—Framework, assembly, wiring, and equipment for one coin trunk unit arranged for prepay service for offices without ANI and class-of-service tone indicated by ground, per SD-32539-01, Fig 1 and 6, with J apparatus and E, J, Q, Z, ZC, ZE, ZL, ZN, and ZO wiring. (See Notes A and B.) (No of mounting plates 4; No of circuits, 1.)
- List 7**—Wiring and equipment required in addition to list 1 or 6 when local coin overtime (LCOT) is provided per SD-32539-01, B apparatus and B, G, and ZR wiring only. (Omit E and ZQ wiring.) (See Note E.)
- List 8**—Wiring and equipment required in addition to list 1 or 6, per SD-32539-01. A wiring and apparatus, when the coin trunk is preceded by a rotary line switch.
- List 9**—Wiring and equipment required in addition to list 7 when coinless access to specified numbers is required per SD-32539-01, F apparatus and wiring only, omit G, Z, and ZE wiring.
- List 10**—Wiring and equipment required in addition to list 6 when coin trunk receives reverse battery supervision on non-charge calls and LCOT is furnished per SD-32539-01, ZD apparatus and wiring. Omit ZC wiring.

Notes

- A. Offices that plan to provide coinless access to specified numbers will specify J33015AF-(), a 6-inch high surface-wired unit. Offices planning to provide coinless access to specified numbers can order list 1 or 6 equipped with list 2 or 3. Trunks with this feature will be installed as an 8-inch high surface-wired unit. Offices planning to add the coinless feature at a later date may provide list 1, which provides local cable, and a space directly above each trunk on which to mount either list 2 or list 3.
- B. When coinless access to specified numbers is provided at coin station sets, Fig 6 shall be removed from list 1 or 6. In noncommon control offices with no TOUCH-TONE calling from coin telephones, provide list 2 with Fig 7. In common control offices or offices equipped with noncompatible TOUCH-TONE calling, provide list 3 with Fig 8.
- C. In offices equipped with ANI-C or ANI-D, remove Z wiring from list 1 or 6 and provide Y wiring.
- D. Provide one ED-32388-() cutoff key and trunk assignment designation strip for each bay. The cutoff key isolates the upper and lower multiples of leads P, A, and I. Mount it between trunks 7 and 8.

E. When dial long lines is required with LCOT, furnish ZK and ZM Wiring, omit ZE, ZL, and ZN wiring.

J33015AH—AT&TCo Std—Auxiliary Supervisory and Ringback Unit—Supplementary to Auxiliary Trunk Units SD-30806-01, or SD-32025-01—Arranged for Coinless Access to Specified Numbers

List 1—Assembly, wiring, and equipment for one 2-circuit supervisory auxiliary unit per SD-30806-01, Fig 4. (See Notes A, B, C, and H.) (No of mounting plates, 1; No of circuits 2.)

List 2—Assembly, wiring, and equipment for one 2-circuit supervisory auxiliary unit per SD-32025-01, Fig 4. (See Notes D, E, F, G, and H.) (No of mounting plates, 1; No of circuits, 2.)

List 3—Wiring and equipment per SD-30806-01, two Fig 5, required in addition to list 1 when the ringback feature is required.

List 4—Wiring and equipment per SD-32025-01, two Fig 5, required in addition to list 2 when the ringback feature is required.

Notes

A. When list 1 is to be used with the basic auxiliary unit per SD-30806-01, Fig 1 (J39210AH) for the coin service improvement feature, W wiring must be removed from Fig 1 and V wiring added.

B. Wiring per SD-30806-01, Fig 4, Q wiring only, shall be specified in addition to list 1 when service for coin lines only is required.

C. Wiring per SD-30806-01, Fig 4, R wiring only, shall be specified in addition to list 1 when service for coin lines and other types of service are required.

D. When list 2 is to be used with the basic auxiliary unit per SD-32025-01, Fig 1 (J33015K) for the coin service improvement feature, K wiring must be removed from Fig 1 and G wiring added.

E. Wiring per SD-32025-01, Fig 4, M and N wiring only, shall be specified in addition to

list 2 when either of the following conditions is required: when the trunk serves coin lines only with class-of-service tone and the coin is identified by direct ground, or when the trunk serves two classes of service with tone provided on coin lines and no tone on noncoin lines and the coin is identified by direct ground.

F. Wiring per SD-32025-01, Fig 4, N wiring only, shall be specified in addition to list 2 when either of the following conditions is required: when the trunk serves coin lines only without class-of-service tone, or when the trunk serves coin lines only with class-of-service tones and the coin is identified by resistance ground.

G. Wiring per SD-32025-01, Fig 4, R wiring only, shall be specified in addition to list 2 when either of the following conditions is required: when the trunk serves two or more class-of-service tones to the operator and the coin is identified by tone, or when the trunk serves two classes of service with tone provided on coin lines and no tone on noncoin lines and the coin is identified by resistance ground.

H. Lists 1 and 2 shall be mounted adjacent to or as near as possible to their associated auxiliary trunk unit.

J33015AJ—AT&TCo Std — Multicontact Relay Control and Alarm Unit

List 1—Assembly, wiring, and equipment for one multicontact relay control and alarm unit per SD-35505-01, Fig 1. (No of mounting plates, 1; No of circuits, 1.)

J33015AK—AT&TCo Std—Local Coin Overtime (LCOT) Charging Unit

List 1—Assembly, wiring, and equipment for one local coin overtime (LCOT) charging unit arranged for five circuits and equipped with one circuit per SD-35046-01, one Fig 1, five Fig 2 with options B, F, J, and Z and one Fig 3. (See Notes A, B, C, D, E, F and G.) (No of mounting plates, 3; No of circuits, 5.)

- List 2**—Equipment required in addition to list 1 for each additional LCOT controller circuit per SD-35046-01, Fig 3, with option B. (Maximum four lists 2 per unit.)
- List 3**—Equipment required in addition to list 1 per SD-35046-01, options N and Y, when the associated coin trunk is of the wire spring relay type. Maximum five lists 3 per unit. (Omit options J and Z.)
- List 4**—Equipment required in addition to list 1 per SD-35046-01, option R, when unit is furnished in a No 35E97 office.
- List 5**—Wiring and equipment required in addition to list 1 per SD-35046-01, option Q when 60 IPM interruptions are supplied by the interrupter and alarm circuit for coin trunk.

Notes

- A. Provide option T in addition to list 1 when ringing machine start is required.
- B. When the coin trunk is arranged for dial tone first operation, omit option N and provide option V.
- C. This unit shall be mounted on bulb-angle or channel-type framework with 12-inch relay rack base.
- D. When the alarms in No 1, 350A, or 355A offices are equipped for ground feature, provide option W. For loop closure feature, provide option S.
- E. Spare circuit packs may be specified by the telephone company as follows:
- 1—ED-35051-(),GR1, CP 1
1—ED-35052-(),GR1, CP 2
- F. An announcement system similar to 7A type is required per each 100 trunks equipped in an office.
- G. When coin dial long lines per SD-96592-01 are associated with flat spring coin trunks provide option K. Omit option J.

J33015AL—AT&TCo Std—Timing Unit

- List 1**—Assembly, wiring, and equipment for one timing unit arranged for 14 timing circuits and equipped for 1 timing circuit, per SD-35054-01, Fig 1. (See Notes A and B.)
- List 2**—Equipment required in addition to list 1 for each timer, per SD-35054-01, Fig 2. (Maximum 14 lists 2.)

Notes

- A. When the alarm circuits do not furnish ground for alarm leads, add option Z.
- B. The electronic clocks of the 52E electronic message and zone timer can be programmed to different timing intervals, as outlined in Note 401 of SD-35054-011.

J33015AN—AT&TCo Std—Auxiliary Trunk Unit Arranged for Reserved Number or Vacant Level Intercept and/or Measured Rate Service for DID to RCC or PBX

- List 1**—Assembly, wiring, and equipment for one auxiliary trunk unit arranged for ten circuits and equipped with one circuit per SD-35072-01, one Fig 1 and 3. (See Notes A and B.) (No of mounting plates 3, No of circuits 10.)
- List 2**—Equipment required in addition to list 1 when a decoder circuit for reserved number and vacant level intercept is required per SD-35072-01, Fig 2. (Maximum one list 2 per unit.)
- List 3**—Equipment required in addition to list 1 for each additional auxiliary trunk circuit per SD-35072-01, Fig 1. (Maximum nine list 3 per unit.)

Notes

- A. Provide option Y in addition to list 2 when connection to intercept trunk is not required.
- B. When a trunk board is removed from service two jumper cords (W1AL) or similar must be added at the unit terminal to short the T and T1 leads and the R and R1 leads. This is necessary in order to maintain service in the associated circuits.

5. GENERAL NOTES AND INDEXES

5.01 J33015L and J33015AM are unassigned.

List of A&M Only and Mfr Disc. Equipment

The following equipment has been replaced as indicated. Where A&M Only items appear, the issue numbers are those of the issue in which the rating was first applied.

EQUIPMENT	RATING	DETAILS LAST SHOW IN ISSUE	REPLACING EQUIPMENT	EQUIPMENT	RATING	DETAILS LAST SHOW IN ISSUE	REPLACING EQUIPMENT
J33015A,			J33015A,	J33015U			J33015T, L10
L1	Mfr Disc	10	L3	L1	Mfr Disc	5	J33015U, L6
L2	Mfr Disc	10	L4	L2	Mfr Disc	5	L7
J33015B	Mfr Disc	10	J33015AF	L3	Mfr Disc	5	L8
			or	L5	Mfr Disc	10	—
J33015E,			J33015AG	L6	Mfr Disc	10	J33015U, L9
L4	Mfr Disc	4	J33015E,	J33015W,			J33015W, L2
L6			L9	L1	Mfr Disc	5	L3
L7				L2	Mfr Disc	6	J33015X, L15
L8	A&M Only	4	—	J33015X,			L12
J33015H	A&M Only	5	—	L1	Mfr Disc	10	L13
J33015J	Mfr Disc	10	J99234Y	L2	Mfr Disc	5	—
J33015N	Mfr Disc	4	—	L4	Mfr Disc	5	J33015Y, L2
J33015P	Mfr Disc	6	—	L10	Mfr Disc	10	L4
J33015T,			J33015T,	J33015Y,			L5
L1	Mfr Disc	5	L9	L1	Mfr Disc	5	J33015W, L4
L2	Mfr Disc	5	—	L2	Mfr Disc	6	L4
L8	Mfr Disc	10	—	L3	Mfr Disc	6	L5
				J33015AB,			J33015W, L4
				L1	Mfr Disc	6	—
				L3	A&M Only	5	J33015AB, L5
				L4	Mfr Disc	8	J33015AF, L4
			J33015T,	J33015AF,			J33015AG, L6
			L9	L1	Mfr Disc	10	
			—	J33015AG,			
			—	L1	Mfr Disc	10	

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	AT&T RATING OF UNIT	TITLE	EQUIPMENT DRAWING	CIRCUIT DRAWING
J33015A	Std	Message Register Trunk Unit—With Delayed Charge Interval for Operating Subscriber Registers for Use With Line Finders	J33015A-()	SD-31493-02
J33015C	Std	Message Register 2-Party Trunk Unit—With Delayed Charge Interval—For Use With 4-Wire Line Finders	J33015C-()	SD-31506-01

EQUIPMENT CODE	AT&T RATING OF UNIT	TITLE	EQUIPMENT DRAWING	CIRCUIT DRAWING
J33015D	Std	Coin Trunk or Auxiliary Coin Line Unit—For Dial Postpayment Service—For Use With Multiparty Lines With Both Coin and Noncoin Stations—Arranged for Use as an Auxiliary Line Circuit on Lines Having Coin Stations Only	J33015D-()	SD-31895-01
J33015E	Std	Coin Trunk Timed Release Unit—For Use With Ten Coin Box Trunks—Arranged for Prepay Service	J33015E-()	SD-31861-01
J33015F	Prov	Auxiliary Line Unit—For Prepostpayment Coin Service	J33015F-()	SD-31873-01
J33015G	Std	Auxiliary Trunk Unit—For Use With Selector Repeaters and Arranged to Cut Through When Digit 1 or 11 is Dialed	J33015G-()	SD-30856-01
J33015H	A&M Only	Auxiliary Line Unit—For Use on Prepayment Coin Lines Arranged for 10-Cent Initial Charge and To Repeat the Sleeve Ground	J33015H-()	SD-32166-01
J33015K	Std	Auxiliary Trunk Unit—For Use Preceding a Trunk to Manual or Toll Office—To Return Initial Coin Deposited at a Dial Prepayment Coin Station	J33015K-()	SD-32025-01
J33015M	Std	Auxiliary Trunk Unit—Arranged To Connect an Incoming Trunk From a Step-by-Step Office to a Rotary-Out Trunk Switch	J33015M-()	SD-30865-01
J33015R	Std	Auxiliary Line Unit—For Use With Coin Control Connectors—No. 350A, 355A, 360A, and 35E97 Offices	J33015R-()	SD-32024-01
J33015S	Std	No. 355A Coin Trunk Unit or No. 355A and 356A Auxiliary Coin Line Units—Arranged for Dial Postpayment Service	J33015S-()	SD-32146-01
J33015T	Std	Coin Control Trunk Unit—Using Two Frequencies Over Tip and Ring—For Outgoing Calls to Switchboard Using Local Train—With or Without Return of Initial Coin	J33015T-()	SD-32288-01

EQUIPMENT CODE	AT&T RATING OF UNIT	TITLE	EQUIPMENT DRAWING	CIRCUIT DRAWING
J33015U	Std	Coin Control Trunk Unit—Using Two Frequencies Over Tip and Ring—For Calls From Switchboard Using Local or Toll Train	J33015U	SD-32289-01
J33015W	Std	Auxiliary Trunk Unit—With Loop Pulsing— Arranged to Complete Service Code Calls to Local Office or CAMA and Service Code Calls to Distant CAMA Office	J33015W-()	SD-32281-01
J33015X	Std	Coin Control Trunk Unit—Using Two Frequencies Over Tip and Ring—For Calls From Switchboard Using Toll Trains and for Calls to Switchboard— Loop or E and M Lead Signaling—With or Without Return of Initial Coin	J33015X-()	SD-32298-01
J33015Y	Std	Transistor Receiver Unit—700 and 1100 Cycles per Second	J33015Y-()	SD-95956-01
J33015AA	Std	Auxiliary Trunk Unit—For Use With Reverting Call Selectors—To Return Busy Tone After Dialing One or Two Digits	J33015AA-()	SD-32535-01
J33015AB	Std	Auxiliary Trunk Unit—Arranged to Direct Special Toll or Operator Assistance Traffic to Outgoing Trunks via ROTS Circuits—Arranged To Send Overflow Tone	J33015AB-()	SD-32341-01
J33015AC	Std	Auxiliary Trunk Unit—For “OO” Emergency Operator Calls Over Recording Completing or Operator Office Trunks	J33015AC-()	SD-32528-01
J33015AD	Std	Auxiliary Coin Trunk Unit—Arranged to Provide Coinless Access to Specified Numbers From Coin Telephones	J33015AD-()	SD-32538-01
J33015AE	Std	Auxiliary Trunk Unit—To Provide Automatic Timed Release on Calling Party Hold	J33015AE-()	SD-32540-01
J33015AF	Std	Coin Trunk Unit—For Use Preceding a First Selector—Serving Prepayment Coin Lines With Coin Telephones Arranged for Prepay Service	J33015AF-()	SD-32539-01 Fig 1 and 6

EQUIPMENT CODE	AT&T RATING OF UNIT	TITLE	EQUIPMENT DRAWING	CIRCUIT DRAWING
J33015AG	Std	Coin Trunk Unit—For Use Preceding a First Selector—Serving Prepayment Coin Lines With Coin Telephones Arranged for Either Prepay Service or Coinless Access to Specified Numbers	J33015AG-()	SD-32539-01 Fig 1,2,5, 6, and 7
J33015AH	Std	Auxiliary Supervisory and Ringback Unit—Supplementary to Auxiliary Trunk Units SD-30806-01 or SD-32025-01—Arranged For Coinless Access to Specified Numbers	J33015AH-()	SD-30806-01 Fig 4 and 5 SD-32025-01 Fig 4 and 5
J33015AJ	Std	Multicontact Relay Control and Alarm Unit	J33015AJ-()	SD-35505-01
J33015AK	Std	Local Coin Overtime (LCOT) Charging Unit	J33015AK-()	SD-35046-01
J33015AL	Std	Timing Unit	J33015AL-()	SD-35054-01 Fig 1 and 2
J33015AN	Std	Auxiliary Trunk Unit—Arranged for Reserved Number or Vacant Level Intercept and/or Measured Rate Service for DID to RCC or PBX.	J33015AN-()	SD-35072-01
Installer Wired		Cutoff Key, Designation Strip, and Dummy Plug Holder	ED-32388-()	SD-32539-01 Fig 3

Circuit Schematic Index

CIRCUIT DRAWING	J33015 EQUIP CODE	CIRCUIT DRAWING	J33015 EQUIP CODE
SD-30806-01	AH	SD-32166-01	H
SD-30856-01	G	SD-32281-01	W
SD-30865-01	M	SD-32288-01	T
SD-31493-01	A	SD-32289-01	U
SD-31506-01	C	SD-32298-01	X
SD-31861-01	E	SD-32341-01	AB
SD-31873-01	F	SD-32528-01	AC
SD-31895-01	D	SD-32535-01	AA
SD-32024-01	R	SD-32538-01	AD
SD-32025-01	K,AH	SD-32539-01	AF,AG,
SD-32146-01	S		ED-32388-()

CIRCUIT DRAWING	J33015 EQUIP CODE
SD-32540-01	AE
SD-35005-01	AJ
SD-35046-01	AK
SD-35054-01	AL
SD-35072-01	AN
SD-95956-01	Y

Bell Telephone Laboratories, Incorporated

Dept 5413-DAJ
WE Dept 45230-JJK-BWP