

**OUTPUTSER AND TEST FRAME
AUTOMATIC NUMBER IDENTIFICATION-TYPE C
NO. 1, 350A, 355A, AND 35E97 OFFICES
EQUIPMENT DESIGN REQUIREMENTS
STEP-BY-STEP SYSTEMS**

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 engineering, manufacture, and installation of the outpulser and test (OP&TST) frame used with the automatic number identification type C (ANI-C) system in No. 1, 350A, 355A, and 35E97 step-by-step offices. The outpulser and test frame is rated A&M Only for use in 350A and 35E97 step-by-step offices.

1.02 This specification is reissued to:

- (a) Change Fig. 5.
- (b) Add J38942A,L17 and change lists 1, 8, 9, 13, 15, and Note E.
- (c) Add J38942B,L17 and change lists 1, 8, 9, 13, 15, and Note E.
- (d) Add J38942C, Note B.
- (e) Add J38942D,L8, 9, and 10 and change list 1.
- (f) Add J38942E,L5 and Note E.
- (g) Add J38942G, Notes E, F, and G, and change list 4 and Notes A and D.
- (h) Add J38942J, Note B and change list 1.
- (i) Change J38942K,L1.
- (j) Add J38942AA,L2 and change list 1.

1.03 The outpulser and test frames are arranged for 23-inch mounting plates; they are of the single-bay bulb-angle type, 2 feet 5/8 inch wide, either 11 feet 6 inches high with 10-inch guardrails, or 9 feet high with 10-or 12-inch guardrails. Frames, 9 feet high with 12-inch guardrails and their own section of 5-inch cable rack, should be used in No. 355A or other types of offices using the same type of framework. Each frame has a capacity of two outpulsers, test equipment, and related miscellaneous equipment. Unoccupied space on the 11-foot 6-inch frame is left at the top of the frame. See Fig. 1 and 2.

DESCRIPTION

1.04 The automatic number identification type C (ANI-C) system provides a high-speed one-at-a-time identification of a calling customer directory number on centralized automatic message accounting (CAMA) calls from single- and 2-party lines, PBX trunks, and one-way originating lines served by step-by-step offices.

1.05 Fig. 3 shows a block diagram of this overall system which is made up of number networks, identifier, resistor matrix, outpulser, outpulser-trunk connector, trunks, and pulse generator. Miscellaneous peripheral equipment is omitted for simplicity.

1.06 The outpulser serves to receive information from several sources and uses this information to direct and control the identification functions within the ANI-C system.

1.07 After a called number has been recorded at the CAMA location via the ANI-C trunk, a signal is returned over the trunk which summons an outpulser through the outpulser connector. The outpulser then seizes the identifier and causes a pulse to be generated by the pulse generator on the sleeve of

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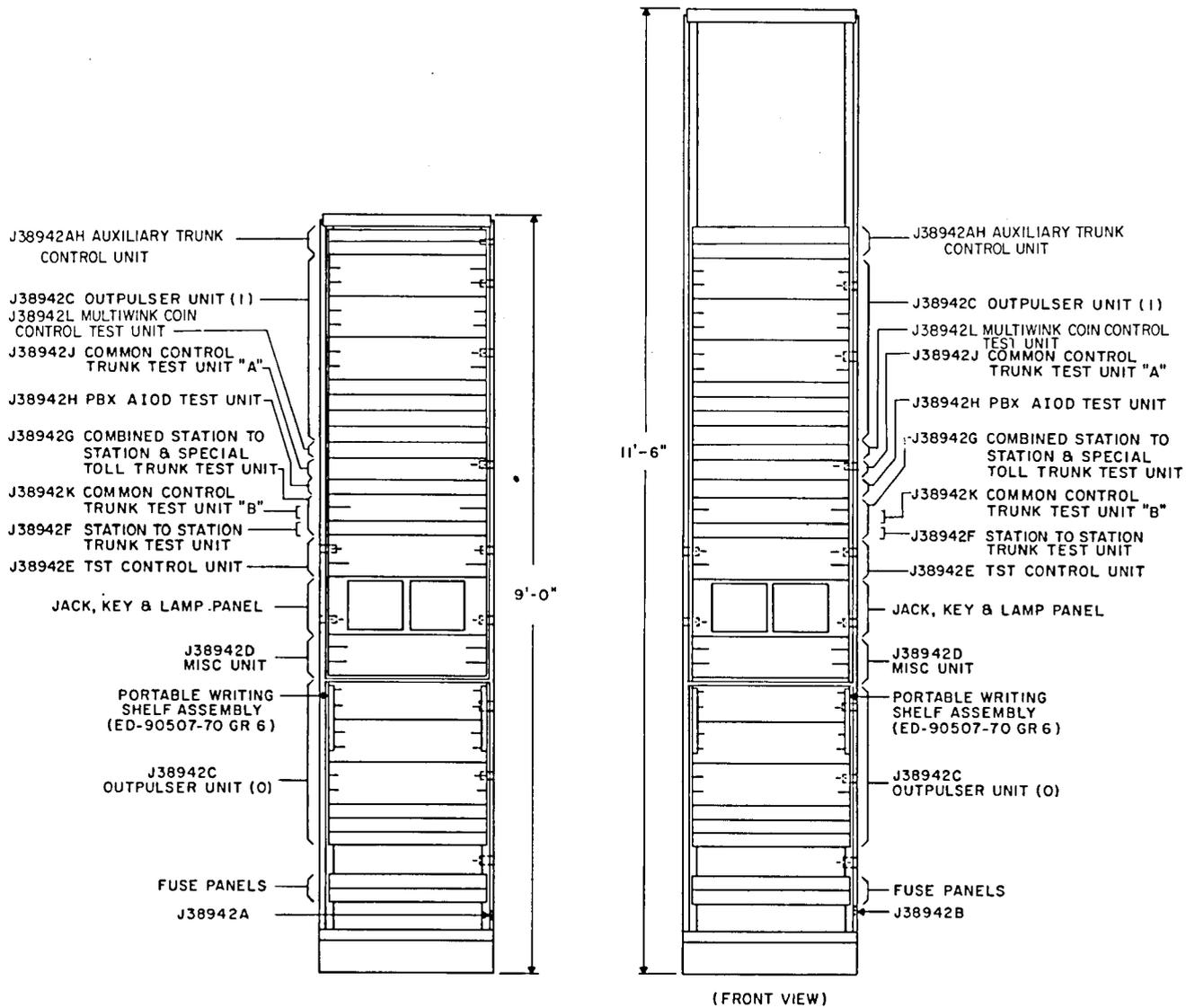


Fig. 1 and 2—ANI-Type C Output and Test Frames

the trunk requesting the outpulser. This high voltage pulse traverses the sleeve of the switchtrain to that of the directory number originating the call. The number network glow lamps connected to that directory number are fired. The information generated is passed to the identifier via the resistor matrix which converts the digital information to a 2-out-of-5 self-checking code. Upon registering the number thus obtained, the identifier passes the calling number to the outpulser. The outpulser then performs a 2-out-of-5

check and multifrequency (MF) outpulses the calling number to the CAMA office.

1.08 The ANI-C system is designed to provide maximum flexibility in generating central office codes and service marks. A maximum of 11 service mark outputs can be obtained on an optional basis. Two service mark outputs are necessary for each central office code, one for tip parties and one for ring parties. Combinations ranging from a single office

TABLE A
OUTPUTSER UNIT REQUIREMENTS

OUTPUTSER UNIT J38942C SUBUNITS SHALL BE EQUIPPED AND CONNECTED AS SPECIFIED IN THIS TABLE TO COMPLETE ONE OUTPUTSER.					
UNIT			QUANTITY TO BE PROVIDED		DESCRIPTION OF OPTION
QUANTITY	J CODE	LIST NO.	ALWAYS	FOR OPTION INDICATED	
1	J38942AA	1	1	—	
1	J38942AB	1	1	—	
1	J38942AC	2	1	—	
1	J38942AC	3	1	—	
1	J38942AD	1	1	—	
1	J38942AD	2	—	1	Provided for each office code after the first.
1	J38942AD	3	—	1	Provided for each special party relay after the first.
1	J38942AE	1	—	1	Provided per outputser unit when more than one outputser is required.
1	J38942AF	1	—	1	Provided per outputser unit when special toll and operator assistance trunks are required to handle 0 prefix and 0 only calls.
1	J38942AG	—	—	1	Provided for PBX-AIOD service.

code (with zero to nine special service marks) up to four office codes (with zero to three special service marks) may be provided as desired by the telephone company.

1.09 The identifier service mark detector outputs are brought to terminals on the outputser number registration and test control unit. Cross-connections at these terminals provide the desired combinations of office code and special service mark identifications.

1.10 The outputser is shown on Fig. 4. It is assembled as a unit made up from a number of functional surface-wired subunits interconnected by a unit local cable. (See Table A.)

1.11 The test equipment and control panel layout is shown on Fig. 5. The control panel is provided as an integral part of the frame lists. Other test equipment is ordered as required and listed under Part 4 of this specification.

1.12 Provision is made to arrange the test features for testing noncommon control station-to-station trunks; or combined noncommon control

station-to-station trunks and noncommon control special toll coin and noncoin trunks; or combined noncommon control station-to-station trunks and common control trunks; or combined noncommon control station-to-station trunks, noncommon control special toll coin and noncoin trunks, and common control trunks. The units involved are ordered by the telephone company according to the types of trunks used with the system.

1.13 The test equipment is associated with the trunks through manually operated rotary selector switches. The test circuit simulates the signals to the originating and terminating ends of the trunk circuits, applies marginal tests to the supervisory relays, and makes a polarity check of the tip and ring paths. Party test, calling customer identification test, line verification, and overall operational checks of the number network, identifier, and pulse generator circuits are accomplished by arranging the test circuit to identify a directory number instead of a test line number. The test circuit is associated with the desired directory number using a patch cord at the distributing frame and patching the test circuit jack to the line circuit to be tested. Test progression is displayed visually on the appropriate lamps located on the test control panel. The key and lamp panel is also

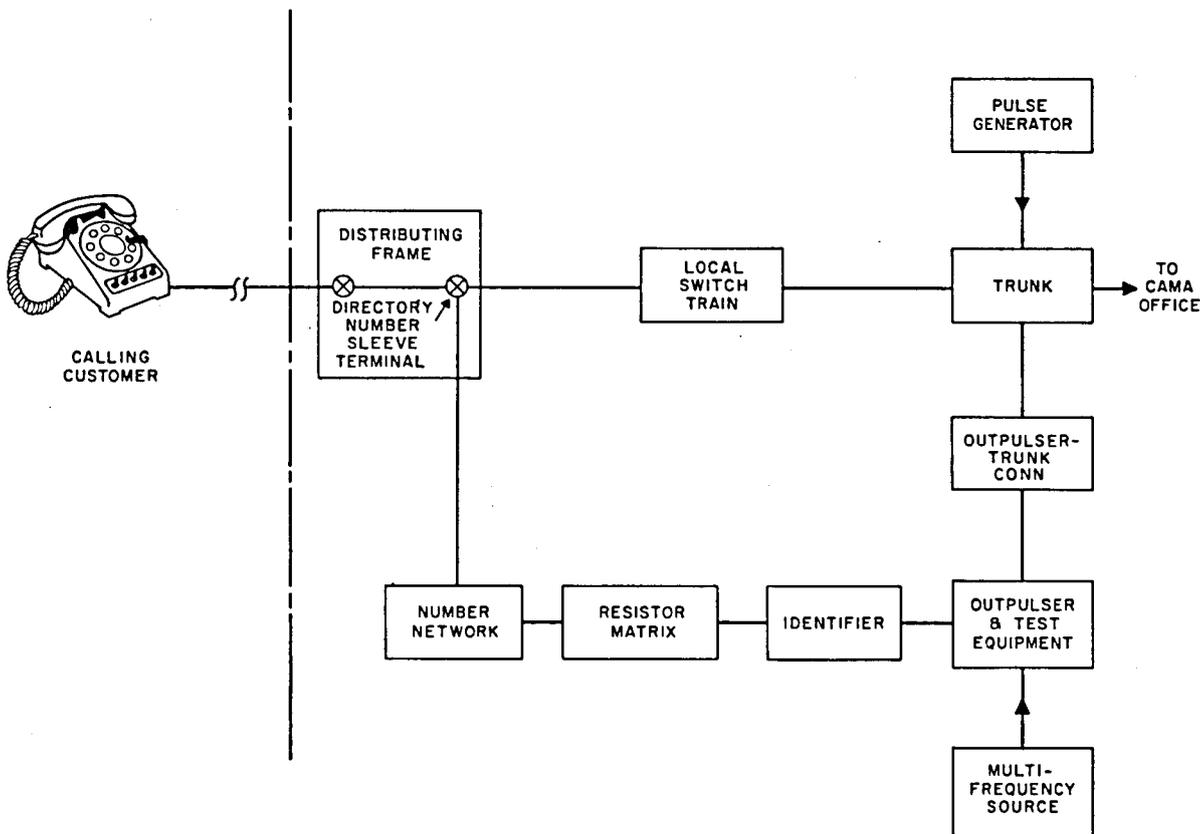


Fig. 3—ANI-Type C Block Diagram

arranged to display a directory number which does not pass the ground removal failure test made by the ANI-C trunk. In offices not equipped with an MF current supply, it is necessary to supply an MF generator unit per J99235AW for each outpulser.

FLOOR PLAN ARRANGEMENT

1.14 The OP&TST frame location should be in the immediate vicinity of the NN and ID frames. Frequently, the available space in existing offices will necessitate locating the ANI-C frames adjacent to others with guardrails of different widths. In such cases, consideration must be given to the provision of junction details.

2. SUPPLEMENTARY INFORMATION

814-000-000—Step-by-Step Systems Index
800-600-000—List of General Equipment Requirements Sections

J38941—814-203-150—Number Network and Identifier Frame

J38943—814-507-150—ANI Trunk Frames—Step-by-Step

J98609—801-620-151—Multifrequency Current Supply

J99235—801-025-166—Multifrequency Signal Generator Unit — Relay Rack Mounted — Common System

Floor Plan Data—Section 5.2, Sheet 73

Current Drain Data—

SD-31359-02—No. 1 Step-by-Step

SD-31364-02—No. 350A Step-by-Step

SD-31780-02—No. 355A Step-by-Step

SD-32325-02—35E97 Step-by-Step

3. DRAWINGS

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

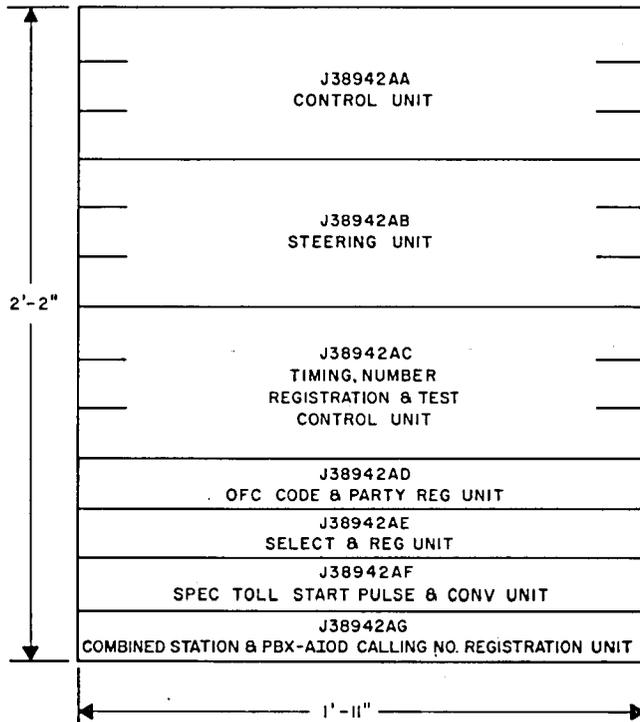


Fig. 4—ANI-Type C Outpulser Unit

Keysheets

- SD-31359-01—No. 1 Step-by-Step
- SD-31364-01—No. 350A Step-by-Step
- SD-31780-01—No. 355A Step-by-Step
- SD-32325-01—35E97 Step-by-Step

Circuits

- SD-80728-01—Battery Distributing Circuit

Equipment

- ED-25529-70—Guardrail Junction Details
- ED-32319-30—Test Control Component Assembly
- ED-90048-12 and -13—Jack Boxes (Floor-Type Distributing Frames)
- ED-91710-76—Frame Assemblies 9 Feet 0 Inch High — Angle Type
- ED-91837-71—Relay Rack Assembly — Angle Type
- ED-91839-70—Junction Details — Angle Type Relay Rack

Wiring and Cabling

- ED-31296-11—Method of Running Power Feeders

ED-32329-10—ANI-Type C—Outpulser and Test Equipment Frame—Switchboard Cabling Plan and Details

4. EQUIPMENT

J38942A—AT&T Co Std—ANI-Type C—Outpulser and Test Frame—9 Feet 0 Inch High

List 1—Framework, assembly, wiring, and common equipment for one outpulser and test frame arranged to mount two outpulsers, test, and miscellaneous equipment. (See Notes A and G.)

WIRE EQUIP NOTES

Outpulser Ckt, SD-32375-01: Fig. 1 thru 12, and Options X, S, and T	2	0	B
Test and Line Verif Ckt, SD-32379-01: Fig. 1 and Options B,E,F,J,M, N,Q,R,S,T,V,W,ZI,ZG,ZJ,ZK,ZL, ZN,ZO,ZP,ZQ,ZR,ZY, and YA Fig. 2	1	0	B,C,E
Fig. 3 and Options YD and ZV	1	1	D
Misc Ckt for Outpulser and Test Frame, SD-32381-01: Fig. 1,3,7,9 and thru 18 and Options Y and Z Fig. 2, 4, and 10 Fig. 9 and Options V, W, and X Fig. 5 With Option Q Fig. 6	1	0	K,L
	2	0	
	1	0	
	2	2	
	33	33	

List 5—Equipment, assembly, and wiring required in addition to list 1 to provide PBX-AIOD test facilities per SD-32379-01, option S.

List 6—Equipment, assembly, and wiring required in addition to lists 1 and 5 to provide PBX-AIOD test facilities per SD-32379-01, option R, when station identification store equipment is provided.

List 7—Equipment and wiring per SD-32379-01, options, N, V, YA, and ZL, required in addition to list 1 to provide for testing combined non-common control station-to-station and common control trunks, or common control trunks only.

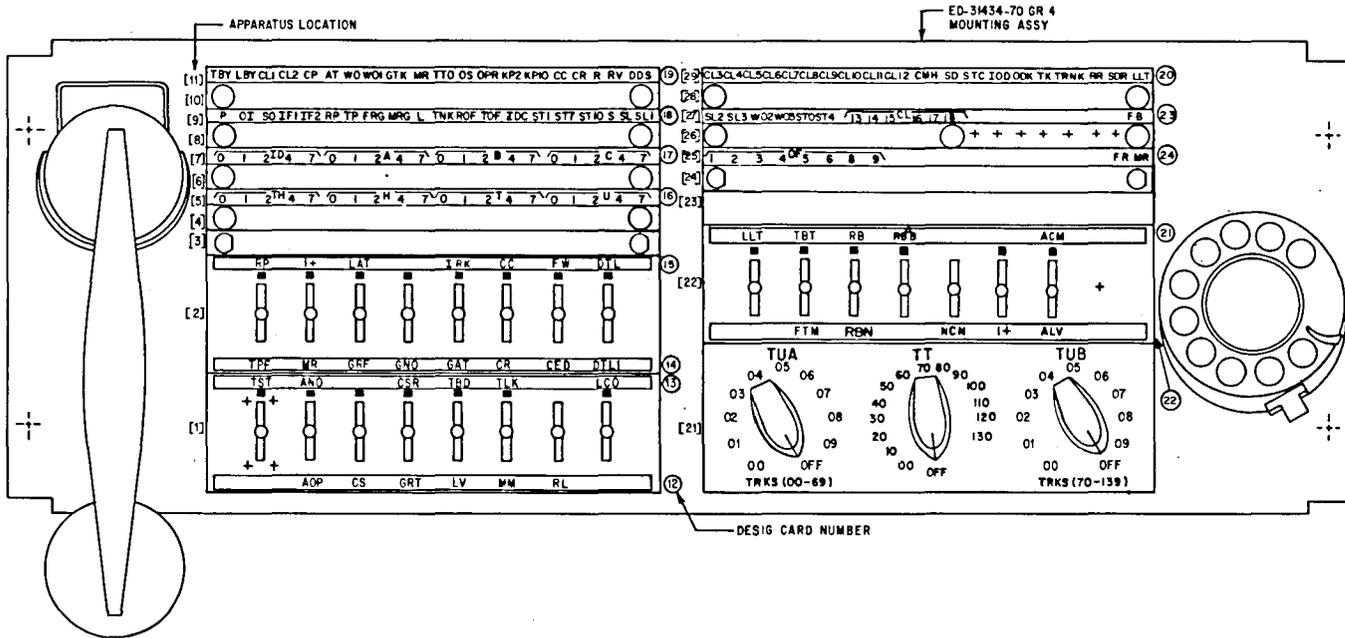


Fig. 5—ANI-Type C Jack, Key, and Lamp Panel

List 8—Equipment and wiring per SD-32379-01, options B, F, J, T, ZG, ZI, ZK, ZN, ZO, ZQ, and ZY, required in addition to list 1 to provide for testing combined noncommon control station-to-station and noncommon control special toll trunks.

List 9—Equipment and wiring per SD-32379-01, options B, M, and YA, required in addition to list 8 in installation equipped for combined noncommon control station-to-station noncommon control special toll, and common control test trunks.

List 10—Equipment and wiring per SD-32379-01, option ZP, required in addition to list 8 to provide for testing noncoin combined noncommon control station-to-station and noncommon control special toll trunks (omit option ZO).

List 11—Equipment and wiring per SD-32379-01, option ZR, required in addition to list 8 to provide for testing combined coin and non-coin, combined noncommon control station-to-station, and noncommon control special toll trunks only (omit option ZQ).

List 12—Equipment and wiring per SD-32379-01, option YB, required in addition to list 7 or 9 for installations equipped for CL16- or CL17-type trunks (omit option YA).

List 13—Equipment and wiring per SD-32379-01, option ZZ, required in addition to list 9 for in-

stallations equipped for CL15-type trunks (omit option ZY).

List 14—Equipment and wiring per SD-32379-01, Fig. 14, required in addition to list 1 when automatic message accounting recording systems (AMARS) line verification and display is provided.

List 15—Equipment and wiring per SD-32379-01, option ZH only, required in addition to list 8 for testing coin trunks arranged for multiwink coin control. Omit options ZG, ZI, and ZK.

List 16—Equipment and wiring per SD-32379-01, option YE only, required in addition to list 1 for installations having more than 70, but less than 140 ANI trunks.

List 17—Wiring and apparatus required in addition to list 1 to permit the testing of CL18 directory assistance ANI trunks per SD-32379-01, option YM.

Notes

A. The frame local cable contains all battery and ground leads for the key and lamp panel and the interconnecting wiring among the outpulsers, miscellaneous unit, and other equipments mounted on the frame, excluding the trunk test units J38942F, G, H, J, K, and L. Where J38942G, J38942G and J38942J, J38942G and L, or

- J38942G, J, and L are ordered initially, wiring will be formed within the frame local cable. Cabling for J38942F or combined J38942F, J, and K will be provided in a supplementary cable to facilitate removal of the J38942F and J38942K units at some future date.
- B. The outpulser unit, J38942C; test control unit, J38942E; trunk test units, J38942F, G, H, J, and K; and multiwink coin control unit, J38942L are ordered separately and are mounted and connected in the shop as shown on the frame layout.
 - C. Wiring per SD-32379-01, option Y shall be specified for installations serving ten or fewer trunks.
 - D. Wiring per SD-32379-01, option V, required in addition to list 1 to provide for testing combined noncommon control station-to-station and common control trunks, noncommon control station-to-station trunks only, or common control trunks only.
 - E. Wiring per SD-32379-01, option Q, required in addition to list 1, or in addition to list 8 when list 9 is not provided for installations equipped for noncommon control station-to-station or combined noncommon control station-to-station and noncommon control special toll trunk test.
 - F. A 2P11A cord, a 2P35A cord, or a 2W47B cord is required for the line verification test of the customer directory number per SD-32379-01 and shall be furnished as specified by the telephone company.
 - G. List 1 provides framework per ED-91710-76,G1. When used in No. 355A or other types of offices using the same type of framework, provide ED-91837-71,G11.
 - H. Wiring per SD-32375-01, option E, to be connected in addition to list 14 when AMARS display control is provided.
 - I. Wiring per SD-32379-01, option Z and SD-32375-01, option Z, required in addition to list 1 for installations provided with one outpulser.
 - J. Wiring per SD-32375-01, option X, required in addition to list 1 for installations provided with two outpulsers.

- K. Wiring per SD-32381-01, option Y, required in addition to list 1 when the outpulser and test frame is provided in a step-by-step No. 1, 350A, or 355A office.
- L. Wiring per SD-32381-01, option Z, required in addition to list 1 when the outpulser and test frame is provided in a step-by-step 35E97 office.

J38942B—AT&TCo Std—ANI-Type C—Outpulser and Test Frame—11 Feet 6 Inches High

List 1—Framework, assembly, wiring, and common equipment for one outpulser and test frame arranged to mount two outpulsers, test, and miscellaneous equipment. (See Note A.)

	WIRE	EQUIP	NOTES
Outpulser Ckt, SD-32375-01: Fig. 1 thru 12 and Options X, S, and T	2	0	B
Test and Line Verif Ckt, SD-32379-01: Fig. 1 and B,E,F,J,M,N, Options Q,R,S,T,V,W,ZI,ZG,ZJ, ZK,ZL,ZN,ZO,ZP,ZQ,ZR,ZY, and YA	1	0	B,C,E
Fig. 2	1	0	
Fig. 3 and Options YD and ZV	1	1	D
Misc Ckt for Outpulser and Test Frame, SD-32381-01: Fig. 1,3,7, and 9 thru 18 and Options Y and Z	1	0	K,L
Fig. 2, 4, and 10	2	0	
Fig. 9 and Options V, W, and X	1	0	
Fig. 5 With Option Q	2	2	
Fig. 6	33	33	

List 5—Equipment, assembly, and wiring required in addition to list 1 to provide PBX-AIOD test facilities per SD-32379-01, option S.

List 6—Equipment, assembly, and wiring required in addition to lists 1 and 5 to provide PBX-AIOD test facilities per SD-32379-01, option R, when station identification store equipment is provided.

List 7—Equipment and wiring per SD-32379-01, options N, V, and YA, required in addition to

list 1 to provide for testing combined non-common control station-to-station and common control trunks, or common control trunks only.

- List 8**—Equipment and wiring per SD-32379-01, options B, F, J, T, ZG, ZI, ZK, ZN, ZO, ZQ, and ZY, required in addition to list 1 to provide for testing combined noncommon control station-to-station and noncommon control special toll trunks.
- List 9**—Equipment and wiring per SD-32379-01, options B, M, and YA, required in addition to list 8 in installations equipped for combined noncommon control station-to-station, noncommon control special toll, and common control test trunks.
- List 10**—Equipment and wiring per SD-32379-01, option ZP, required in addition to list 8 to provide for testing noncoin combined noncommon control station-to-station and noncommon control special toll trunks (omit option ZO).
- List 11**—Equipment and wiring per SD-32379-01, option ZR, required in addition to list 8 to provide for testing combined coin and non-coin, combined noncommon control station-to-station, and noncommon control special toll trunks only (omit option ZQ).
- List 12**—Equipment and wiring per SD-32379-01, option YB, required in addition to list 7 or 9 for installations equipped for CL16- or CL17-type trunks (omit option YA).
- List 13**—Equipment and wiring per SD-32379-01, option ZZ, required in addition to list 9 for installations equipped for CL15-type trunks (omit option ZY).
- List 14**—Equipment and wiring per SD-32379-01, Fig. 14, required in addition to list 1 when AMARS line verification and display is provided.
- List 15**—Equipment and wiring per SD-32379-01, option ZH only, required in addition to list 8 for testing coin trunks arranged for multiwink coin control. Omit options ZG, ZI, and ZK.
- List 16**—Equipment and wiring per SD-32379-01, option YE only, required in addition to list 1 for installations having more than 70, but less than 140 ANI trunks.
- List 17**—Wiring and apparatus required in addition to list 1 to permit the testing of CL18 directory assistance ANI trunks per SD-32379-01, option YM.

Notes

- A. The frame local cable contains all battery and ground leads for the key and lamp panel and the interconnecting wiring among the outpulsers, miscellaneous unit, and other equipments mounted on the frame, excluding the trunk test units J38942F, G, H, J, K, and L. Where J38942G, J38942G and J38942J, J38942G and L, or J38942G, J, and L are ordered initially, wiring will be formed within the frame local cable. Cabling for J38942F or combined J38942F, J, and K will be provided in a supplementary cable to facilitate removal of the J38942F and J38942K units at some future date.
- B. The outpulser unit, J38942C; test control unit, J38942E; trunk test units, J38942F, G, H, J, and K; and multiwink coin control unit, J38942L are ordered separately and are mounted and connected in the shop as shown on the frame layout.
- C. Wiring per SD-32379-01, option Y shall be specified for installations serving ten or fewer trunks.
- D. Wiring per SD-32379-01, option V, required in addition to list 1 to provide for testing combined noncommon control station-to-station and common control trunks, noncommon control station-to-station trunks only, or common control trunks only.
- E. Wiring per SD-32379-01, option Q, required in addition to list 1, or in addition to list 8 when list 9 is not provided for installations equipped for noncommon control station-to-station or combined noncommon control station-to-station and noncommon control special toll trunk test.
- F. A 2P11A cord, a 2P35A cord, or a 2W47B cord is required for the line verification test of the customer directory number per SD-32379-01 and shall be furnished as specified by the telephone company.
- G. Wiring per SD-32379-01, option E, to be connected in addition to list 14 when AMARS display control is provided.
- H. Wiring per SD-32379-01, option Z and SD-32375-01, option Z, required in addition to list 1 for installations provided with one outpulser.

- I. Wiring per SD-32375-01, option X, required in addition to list 1 for installations provided with two outpulsers.
- J. Wiring per SD-32381-01, option Y, required in addition to list 1 when the outpulser and test frame is provided in a step-by-step No. 1, 350A, or 355A office.
- K. Wiring per SD-32381-01, option Z, required in addition to list 1 when the outpulser and test frame is provided in a step-by-step 35E97 office.

J38942C—AT&TCo Std—ANI-Type C—Outpulser Unit

- List 1**—Assembly, wiring, and equipment for one outpulser unit, which shall be made up from the coded functional surface wired subunits as shown in Table A.
- List 2**—Framework and unit local cable for one ANI-type C outpulser unit arranged for PBX-AIOD, which shall be made up from the coded functional subunits shown in Table A.

Notes

- A. Wiring per SD-32375-01, option E, to be connected in addition to list 1 or 2 when AMARS display control is provided.
- B. Wiring per SD-32375-01, Fig. 13 to be connected in addition to list 1 or 2, when an office is equipped with Automatic Intercept Service (AIS).

J38942D—AT&TCo Std—ANI-Type C—Outpulser Miscellaneous Unit

- List 1**—Equipment and wiring for one miscellaneous unit per SD-32381-01, Fig. 1 through 4 and 7 through 11, with options J and W. (See Notes A and B.)
- List 3**—Equipment and wiring per SD-32381-01, Fig. 9, option Z only, required in addition to list 1 for 35E97 offices.
- List 4**—Equipment per SD-32381-01, Fig. 12, 13, 14, and 15, required in addition to list 1 to provide for PBX-AIOD service.
- List 5**—Equipment and wiring per SD-32381-01, Fig. 4, Fig. 9 with option V only, and Fig. 10, required in addition to list 1 when two outpulsers are provided.
- List 6**—Equipment per SD-32381-01, Fig. 16 and 18, required in addition to list 4 for operation

with PBX-AIOD type A1 station identification frame.

- List 7**—Equipment per SD-32381-01, Fig. 16 and 17, required in addition to list 4 for operation with PBX-AIOD type A2 station identification frame.
- List 8**—Wiring and equipment per SD-32381-01, Fig. 19, option M, required in addition to list 1, when automatic message accounting recording system (AMARS) pulse generator and converter failure alarm is provided in a No. 1, 350A, or 355A Office.
- List 9**—Wiring and equipment per SD-32381-01, option N, required in addition to list 8 when list 8 is provided in a 35E97 office (omit option M).
- List 10**—Wiring and apparatus required in addition to list 1 to provide an alarm indication to CSACS per SD-32381-01, option K (omit option J).

Notes

- A. Option Y is specified for No. 1, 350A, and 355A offices.
- B. Option T is specified where remote release of time alarms is not provided.

J38942E—AT&TCo Std—ANI-Type C—Test Control Unit

- List 2**—Equipment per SD-32379-01, Fig. 2, required in addition to list 1 or 3 when a second outpulser is required.
- List 3**—Equipment and wiring per SD-32379-01, Fig. 1, for one test control unit. (See Note C.)
- List 4**—Equipment and wiring per SD-32379-01, option ZZ, required in addition to list 1 or 3 to provide for testing a CL15-type trunk.
- List 5**—Wiring and apparatus required in addition to list 3 to permit the testing of CL18 directory assistance ANI trunks per SD-32379-01, Fig. 15 (see Note E).

Notes

- A. Option Z per SD-32379-01 is specified when only one outpulser is provided.
- B. Spare plug-in component assemblies per ED-32319-30 may be ordered and stocked by the telephone company.

- C. A D54 terminal strip, designated D, shall be provided in this unit when AMARS line verification and display is provided in an office.
- D. Two D5A terminal strips, designated E and F, shall be provided on this unit when more than 70, but less than 140 trunks are provided in an office.
- E. Add option YH in addition to list 5 when option N is furnished per SD-32379-01.

J38942F—AT&TCo Std—ANI-Type C—Station-to-Station Trunk Test Unit

List 2—Assembly, wiring, and equipment for one station-to-station trunk test unit per SD-32379-01, Fig. 4 with option B, required to provide for testing noncommon control station-to-station trunks, combined noncommon control station-to-station and common control trunks, or common control trunks only. (See Note A.)

List 3—Apparatus and wiring per SD-32379-01, Fig. 4, option Q only, required in addition to list 2 in installations equipped with noncommon control station-to-station trunks only.

Note

- A. Wiring option N is specified in addition to list 2 to provide for testing combined noncommon control station-to-station and common control trunks, or common control trunks only.

J38942G—AT&TCo Std—ANI-Type C—Combined Station-to-Station and Special Toll Trunk Test Unit

List 4—Common equipment, assembly, and wiring for one combined station-to-station and special toll trunk test unit per SD-32379-01, Fig. 5, and B, F, G, YG, YL, YN, ZC, ZG, ZI, ZT, and ZY options, required to provide trunk test facilities for installations equipped with noncommon control station-to-station and noncommon control special toll trunks, or combined noncommon control station-to-station, noncommon control special toll, and common control trunks. (See Notes B, D, E, and G.)

List 5—Equipment and wiring per SD-32379-01, option ZO, required in addition to list 4 when testing of class 13 trunks is not required. (See Note C.)

List 6—Equipment and wiring per SD-32379-01, option ZP, required in addition to list 4 when testing of class 13 trunks is required. (See Note C.)

Notes

A. When a J38942G unit is provided to replace an existing J38942F unit in the field, additional equipment and wiring per list 8 of J38942A (9 feet) or J38942B (11 feet 6 inches) shall be ordered.

B. Wiring option Q is specified in addition to list 4 when combined noncommon control station-to-station and noncommon control special toll trunk test facilities only are provided.

C. Class 13 trunks are noncoin, noncommon control, special toll, person-to-person, station-to-station, operator assistance, and E and M signaling trunks.

D. Provide wiring option ZH when testing coin trunks are arranged for multiwink control (omit option ZC).

E. Wiring per option ZD required in addition to list 4 when coin return potential is detected on the tip instead of ring and trunks are not arranged for multiwink coin control (omit option ZC).

F. Provide wiring option ZQ when testing of class 14 trunks is not required.

G. Omit option YN when App Fig. 16 is required.

J38942H—AT&TCo Std—ANI-Type C—PBX-AIOD Test Unit

List 2—Assembly and common equipment required to provide PBX-AIOD test and trnl test facilities.

List 3—Equipment and wiring per SD-32379-01, Fig. 9, required in addition to list 2 to provide PBX-AIOD test facilities.

List 4—Equipment and wiring per SD-32379-01, Fig. 13, required in addition to list 2 to provide for testing combined coin and noncoin station-to-station and special toll trunks.

J38942J—AT&TCo Std—ANI-Type C—Common Control Trunk Test Unit "A"

List 1—Assembly, wiring, and equipment per SD-32379-01, Fig. 10 and option YN, less options M and N, required to provide common control trunk test facilities for combined noncommon control station-to-station noncommon control special toll, and common control trunks, noncommon control station-to-station and common control trunks only, or common control trunks only. (See Notes A and B.)

Notes

- A. Connect M wiring when test facilities are required for combined noncommon control station-to-station, noncommon control special toll, and common control trunks.
- B. Omit option YN when App Fig. 16 is required.

J38942K—AT&TCo Std—ANI-Type C—Common Control Trunk Test Unit B

List 1—Assembly, wiring, and equipment per SD-32379-01, options N and YI, required to provide common control trunk test facilities for combined noncommon control station-to-station and common control trunks, or common control trunks only.

J38942L—AT&TCo Std—ANI-Type C—Multiwink Coin Control Test Unit

List 1—Framework, assembly, equipment, and wiring per SD-32379-01, Fig. 12, for one multiwink coin control test unit. (See Note A.)

Note

- A. The J38942L unit is required in addition to J38942G, L4 to provide the multiwink coin control test feature.

J38942AA—AT&TCo Std—Outputpulser Control Unit

List 1—Framework, assembly, wiring, and equipment for one control unit per SD-32375-01, Fig. 1 with option B and ZA.

List 2—Wiring and equipment required in addition to list 1 for offices equipped with automatic intercept service (AIS) per SD-32375-01, Fig. 13 (omit option B).

Notes

- A. Wiring option V is specified in addition to list 1 when PBX-AIOD service is not required.

- B. Wiring per SD-32375-01, option E, required in addition to list 1 when AMARS display control is provided.

J38942AB—AT&TCo Std—Outputpulser Steering Unit

List 1—Framework, assembly, wiring, and equipment for one steering unit per SD-32375-01, Fig. 2. (See Note A.)

Note

- A. Option W per SD-32375-01 is specified in addition to list 1 when SD-32375-01, Fig. 9 is not furnished.

J38942AC—AT&TCo Std—Outputpulser Timing, Number Registration, and Test Control Unit

List 2—Framework, assembly, wiring, and common equipment for one timing, number registration, and test control unit per SD-32375-01, Fig. 3 and 8, with options J, G, T, and M.

List 3—Apparatus, assembly, and wiring per SD-32375-01, Fig. 6 and option V, to provide for number registration in installations not arranged for PBX-AIOD service. (Note A.)

Notes

- A. List 3, providing calling number registration relays for station calling number identification registration, must be replaced with J38942AG to provide for combined station and PBX-AIOD calling number registration when PBX-AIOD service is furnished.

- B. Wiring per SD-32375-01, option E, required in addition to list 1 when AMARS display control is provided.

J38942AD—AT&TCo Std—Outputpulser Office Code and Party Registration Unit

List 1—Assembly, wiring, and equipment for one office code and party registration unit per SD-32375-01, Fig. 4 and 5.

List 2—Equipment per SD-32375-01, Fig. 4, required in addition to list 1 for each office code beyond one (maximum three list 2).

List 3—Equipment per SD-32375-01, Fig. 5, required in addition to list 1 for each special party relay beyond one (maximum four list 3).

J38942AE—AT&TCo Std—Outpulser Select and Register Unit

List 1—Assembly, wiring, and equipment for select and register unit per SD-32375-01, Fig. 7.

J38942AF—AT&TCo Std—Outpulser Special Toll and Operator Assistance Start Pulse Converter Unit

List 1—Assembly, wiring, and equipment for one special toll and operator assistance start pulse converter unit per SD-32375-01, Fig. 9. One per outpulser required. (See Note A.)

Note

A. On units J38942AA and AB, provide option W when J38942AF, Fig. 9 is not furnished.

J38942AG—AT&TCo Std — Combined Station and PBX-AIOD Calling Number Registration Unit

List 1—Equipment, assembly, and wiring for one combined station and PBX-AIOD calling number registration unit per SD-32375-01, Fig. 10 and 11.

J38942AH—AT&TCo Std — Auxiliary Trunk Control Unit

List 1—Equipment, assembly, and wiring for one auxiliary trunk control unit for use with combined coin and noncoin (0, 0+, 1+) trunks per SD-32375-01, Fig. 12.

5. GENERAL NOTES AND INDEXES

5.01 J38942M through J38942Y 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 SHOWN IN ISSUE	REPLACING EQUIPMENT
J38942A,L2			
& L3	Mfr Disc.	3	J38942A,L16
& L4	Mfr Disc.	2	L8
J38942B,L2			
& L3	Mfr Disc.	3	J38942B,L16
L4	Mfr Disc.	2	L8
J38942D,L2	Mfr Disc.	2	J38942D,L5
J38942E,L1	Mfr Disc.	3	J38942E,L3
J38942F,L1	Mfr Disc.	2	J38942F,L2 & L3
J38942G,L1	Mfr Disc.	2	J38942G,L2
L2	Mfr Disc.	3	L4
L3	*	—	—
J38942H,L1	Mfr Disc.	3	J38942H,L2
J38942AC,L1	Mfr Disc.	2	J38942AC, L2 & L3

*List 3 was assigned but never manufactured by WE

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	CKT PER UNIT	MTG PLATES PER UNIT
J38942A	Std	ANI-Type C—Out- pulser and Test Frame	J38942A-()	SD-32375-01 SD-32379-01 SD-32381-01		
J38942B	Std	ANI-Type C—Out- pulser and Test Frame	J38942B-()	SD-32375-01 SD-32379-01 SD-32381-01		
J38942C	Std	ANI-Type C—Out- pulser unit	J38942C-()	SD-32375-01	1	12
J38942D	Std	ANI-Type C—Out- pulser Miscella- neous	J38942D-()	SD-32381-01	1	3
J38942E	Std	ANI-Type C—Test Control Unit	J38942E-()	SD-32379-01	1	3
J38942F	Std	ANI-Type C — Station-to Station Trunk Test Unit	J38942F-()	SD-32379-01	1	1
J38942G	Std	ANI-Type C—Com- bined Station-to Station and Special Toll Trunk Test Unit	J38942G-()	SD-32379-01	1	2
J38942H	Std	ANI-Type C — PBX AIOD Test Unit	J38942H-()	SD-32379-01	1	1
J38942J	Std	ANI-Type C — Common Control Trunk Test Unit "A"	J38942J-()	SD-32379-01	1	1
J38942K	Std	ANI-Type C — Common Control Trunk Test Unit B	J38942K-()	SD-32379-01	1	1
J38942L	Std	ANI-Type C — Multiwink Coin Control Test Unit	J38942L-()	SD-32379-01	1	1

EQUIPMENT CODE	AT&T RATING OF UNIT	TITLE	EQUIPMENT DRAWING	CIRCUIT DRAWING	CKT PER UNIT	MTG PLATES PER UNIT
J38942AA	Std	Outpulser Control Unit	J38942AA-()	SD-32375-01	1	3
J38942AB	Std	Outpulser Steering Unit	J38942AB-()	SD-32375-01	1	3
J38942AC	Std	Outpulser Timing, Number Registration, and Test Control Unit	J38942AC-()	SD-32375-01	1	3
J38942AD	Std	Outpulser Office Code and Party Registration Unit	J38942AD-()	SD-32375-01	1	1
J38942AE	Std	Outpulser Select and Register Unit	J38942AE-()	SD-32375-01	1	1
J38942AF	Std	Outpulser Special Toll and Operator Assistance Start Pulse Converter Unit	J38942AF-()	SD-32375-01	1	1
J38942AG	Std	Combined Station and PBX-AIOD Calling Number Registration Unit	J38942AG-()	SD-32375-01	1	2
J38942AH	Std	Auxiliary Trunk Control Unit	J38942AH-()	SD-32375-01	1	1

Circuit Schematic Index

CIRCUIT DRAWING	J38942 EQPT CODE
SD-32379-01	A,B,C,AA,AB,AC,AD,AE,AF,AG,AH
SD-32379-01	A,B,E,F,G,H,J,K,L
SD-32381-01	A,B,D

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