

MESSAGE TICKETER TEST SET
(BOX TYPE)
EQUIPMENT DESIGN REQUIREMENTS
NO. 1 CROSSBAR, PANEL, AND 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 circuit to be used in the manufacture of a test set for testing message ticketers for use in No. 1 crossbar, panel, and No. 1, 350A, 355A and intertoll dialing step-by-step offices.

1.02 This specification is being reissued to add a new BSP division number 815-453-150, and to bring it into conformity with the general Plant Series plan.

Description

1.03 The message ticketer test set is a small portable set assembled in a standard-type all-aluminum housing consisting of a panel assembly on which the equipment is mounted and a casing to enclose the equipment and wiring located on the underside of the panel. A cover is provided to protect the equipment on the face of the panel when the set is not in use. A handle is located on one side of the casing for convenience in carrying. The over-all dimensions of this set are approximately 13 inches long, 10 inches wide, and 8 inches high.

1.04 This test set is designed for testing and adjusting No. 1 message ticketers. The ticketers may be tested in position on the ticketing trunk frames or removed from the frames and tested at a workbench. When tested on the frames, the ticketers are patched to the message ticketer test set by means of a 24-conductor cord, and a 4-conductor cord for battery supply is patched

from the frame to the test set. In this case, the test set and associated battery box should be located on some suitable support such as the table-type wagon per ED-90595(). When the message ticketers are to be tested at a workbench, the ticketers are mounted on a test stand assembly and patched to the set by means of a 24-conductor cord. Battery supply is patched by local wiring or patching cords, as desired.

1.05 A 2B battery box, having a capacity of nine No. 6 dry cells, is required for use with this equipment for housing the 1-1/2 volt dry cells used to adjust the central office battery supply to the required value. Four binding posts located on the panel provide means for connection of the supplementary battery supplied to the set and a dc voltmeter for measuring the required voltage which is adjusted by means of a rheostat located on the panel. The 48-volt office battery supply and ground may be patched to the set through binding posts or jacks located on the panel for this purpose. A similar arrangement is provided for patching the 22-volt, 50- or 60-cycle ac supply to the set. A TST-REL jack is provided for the connection of a 35-type current flow test set to check the motor start relay of the message ticketer.

1.06 A message register located on the panel provides means for counting the tickets. This register operates once for each completed ticket. The selection of characters printed on the ticket is controlled by the selector switch located inside the set. A tape alarm lamp is provided on the panel to indicate by lighting when the roll of ticket paper is nearly consumed.

1.07 The functions of this test set are outlined briefly as follows.

- (a) To provide for automatic operation of the message ticketer for printing tickets using all characters of the printing index wheel.

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(b) To provide for manual control step by step or repeated operations of the message ticketer.

Equip

(c) To provide means for restoring the test circuit to normal from any operated position.

Test Stand Assembly,
ED-30885-50

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(d) To provide means for making current flow tests of the message ticketer relay.

List 3 - Equipment required in addition to list 1 or 4 for housing nine No. 6 dry cells.

(e) To provide means for making a test on low voltage.

Equip

(f) To provide means of making a static voltage adjustment of the print and cut magnets.

2B Battery Box

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(g) To provide for repeated operation of the cut magnet.

List 4 - Framework, assembly, wiring, and equipment for one message ticketer test set per SD-30849-01, Fig. 1 with "Y" option and B and D. (See notes A, B, C, D, and E.)

1.08 A small portable test stand per ED-30885-01, has been made available for supporting the No. 1 message ticketer when it is removed from the trunk frame for test. When mounted on the test stand, the plug of the test connecting cord is engaged with the test set patching cord socket. The test of the ticketer is then made by operation of the various keys of the set.

1.09 In order that the message register on the panel of the set may be used under normal operating conditions, it is desirable that the set be located in a horizontal position when in use.

Notes

A. This test set shall be surface wired.

B. The following patching cords, as specified on SD-30849-01, Fig. 1 and 3, shall be furnished with this test set.

One - M24B cord equipped with:

One - P-324-CCE-RSE-HS plug
(Howard B. Jones)

One - S-324-CCE socket
(Howard B. Jones)

One - D-178231 cord equipped with:

One - P-324-CCE-RSE-HS plug
(Howard B. Jones)

Two - 310 plugs

The terminal block of the Jones plug should be wired, and the plug shell assembled, so that terminal 1 is toward the cable clamp end.

2. SUPPLEMENTARY INFORMATION

814-000-000 - Step-by-Step Systems Index
815-000-000 - Panel Systems Index
816-000-000 - No. 1 Crossbar System Index
AA128.006 - List of General Equipment Requirements Sections

3. DRAWINGS

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

ED-30885-50 - Test Stand Assembly
ED-90595-() - Table-type Wagon
J34724A-() - Message Ticketer Test Set
SD-30849-01 - Message Ticketer Test Set

4. EQUIPMENT

J34724A (AT&TCo Std) - Message Ticketer Test Set

Equipment - J34724A-()

List 2 - Equipment required in addition to list 1 or 4 for supporting the No. 1 message ticketer when removed from the trunk frame for test.

C. A 2P9B patching cord, per Fig. 2 on SD-30849-01, shall be furnished with this set when specified on customer's order.

D. Provision shall be made for 22-volt ac and 48-volt dc supply at the workbench, as specified by the customer.

E. To minimize congestion, this test set will be wired with No. 24 gauge type "BG" wire.

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5. GENERAL NOTES

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

List of "A&M Only" and "Mfr Disc." Equipment

The following equipment has been replaced as
indicated. Where "A&M Only" items appear,

<u>Equipment</u>	<u>Rating</u>	<u>Details</u> <u>Last Shown</u> <u>in Issue</u>	<u>Replacing</u> <u>Equipment</u>
J34724A,L1	Mfr Disc.	2	J34724A,L4

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