INCOMING TRUNK TEST SET
(WAGON TYPE)
EQUIPMENT DESIGN REQUIREMENTS
NO. 1 CROSSBAR 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 for the incoming trunk test set in No. 1 crossbar offices. Equipment included in this specification may be ordered by specifying the code and list numbers covered in part 4.

1.02 This specification is reissued to provide for the testing of a-c key pulsing incoming trunks, and to change Fig. 1 to show additional keyshelf equipment.

Description

1.03 The incoming trunk test set as shown in Fig. 1 and covered herein provides for the testing of incoming trunks from panel, crossbar, tandem, manual, and toll offices. It consists of the standard metal wagon type housing. The relays, resistances, condensers, etc., are located on mounting plates in the lower part of the wagon and

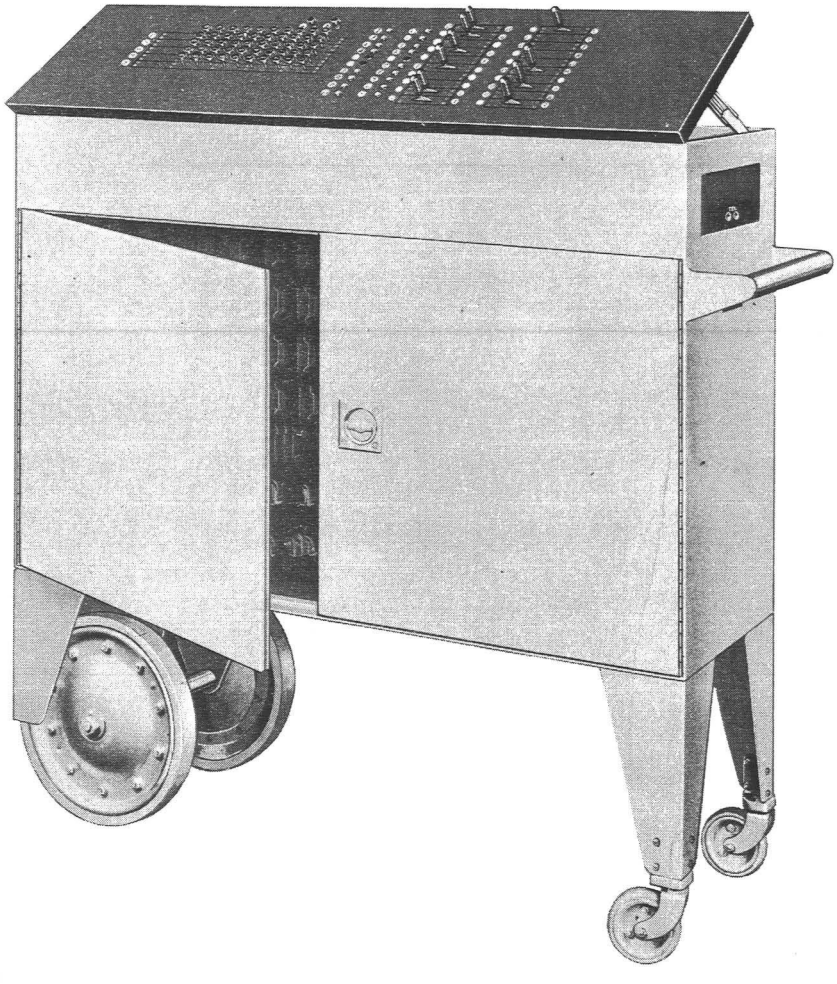

Fig. 1 - General View of Incoming Trunk Test Set

the associated keys and lamps are mounted in the keyshelf on top. Jacks are provided in the end panels for patching to the circuits under test and for the tester's telephone set.

1.04 The set is designed primarily for making the following tests:

Continuity of the trunks.
Trunk supervisory relays for operate, non-operate and release on their test current values.
Ringing start and rering tests on delayed ringing toll incomings.
Series condensers in bridged impedance incoming trunks.
Test for ground on the test jack sleeves of the trunks.
Test for overflow, busy, free line, and party ringing features.
Arrangement for sending of a-c key pulses into terminating senders when required.

1.05 Two and three conductor jacks are provided for patching to all of the trunk circuits under test except the a-c key pulsing trunks where it is necessary to patch to the multifrequency control circuit. A fifteen conductor "Jones" socket is located in the jack panel for this purpose and a fifteen conductor patching cord equipped with an associated "Jones" plug on each end is provided for patching the set to a "Jones" socket located on the incoming trunk frame.

Subdivision of Equipment

J24751A (AT&TCo Std.) - Incoming Trunk Test Set

2. SUPPLEMENTARY INFORMATION

816-000-000 - No. 1 Crossbar System Index

3. DRAWINGS

Circuit

SD-25187-01 - Incoming Trunk Test Set Circuit

Framework

ED-20732-01 - Assembly of Test Set
ED-20739-01 - Assembly of Jack Panel
ED-25241-01 - Assembly of Keyshelf
ED-90187-01 - Number Plate

Equipment

ED-25239-01 - Equipment

Cabling

ED-25240-01 - Local Cable

4. EQUIPMENT

J24751A (AT&TCo Std.) - Incoming Trunk Test Set

Equipment - ED-25239-01
Local Cable - ED-25240-01

List 1 - Framework, assembly, wiring, and common equipment for one incoming trunk test set

	Wire	Equip	See Note
Wagon Assembly ED-20732-01	-	1	
Keyshelf Assembly ED-25241-01	-	1	
Jack Panel Assembly ED-20739-01	-	1	
Inc. Trunk Test Set Ckt. SD-25187-01:			
Figs. 1, E, G, & H, "X", "Z", "N", "V", & "S" Wiring & App.	1	1	A,B, C
Figs. 1, E, G, & H, "Q" & "R" Wiring Only	1	0	A,B, C

List 2 - Equipment per SD-25187-01, Fig. 1, "Q" apparatus only, required in addition to list 1 when a-c key pulsing is not specified

List 3 - Equipment per SD-25187-01, Fig. 1, "R" apparatus only, required in addition to list 1 when a-c key pulsing is specified

Notes

A. The following patching cords and equipment shown on the circuit drawing are furnished with list 1 as a part of this set:

4 - 3P7A Cords
1 - 3P6G Cord
1 - 2P9C Cord
1 - L4R Cord equipped with 1 - 528 receiver, 1 - 396A transmitter and 1 - 289A plug

B. One M15B cord equipped with 2- H.B. Jones plugs per P-315 - CCT - RST as shown on the circuit drawing are furnished with list 3 as a part of this set.

C. The 32A test set shown on the circuit drawing shall be furnished only when specified on order by the Telephone Company.