

INCOMING TRUNKS
 CONTINUITY TEST TO MDF

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1. GENERAL INFORMATION

1.1 Description

1.11 This section provides information for verify continuity of tip, ring and sleeve conductors between incoming trunk circuits and main distributing frame.

1.2 Drawings

1.21 Test of cable leads associated with the following incoming trunks are included in this section.

SD Drawings

25024	25322
25025	25329
25202	25351
25255	25353
25294	25420
25302	25432
25303	25436
25306	25876
	26204

1.3 Meter Calibration

1.31 Meter indications may differ somewhat from values given in Figure 1 due to operating voltage and calibration of the meter. Ordinarily this variation will be less than 5% and readings in any group of similiar trunks should not vary.

2. TEST EQUIPMENT

2.1 Test Sets and Accessories

<u>Amt</u>	<u>ITE</u>	<u>Description</u>	<u>With</u> <u>ITE</u>
1	4015	Continuity Test Set	4023
11	258C	Fiber Plug	4023
2	2260	Call Wire Jack	4023
1	2370 or 4046	Contact Fixture	4043
3	2455	Banana Plug	4023
4	8507	Alligator Clip	4023

2.2 Cords

<u>Amt</u>	<u>ITE</u>	<u>Lgth</u>	<u>Cdrs</u>	<u>One End</u>	<u>Other End</u>	<u>With</u> <u>ITE</u>
3	9547	12'	1	ITE-2455	ITE-2455	4023
2	9650	6'	1	Trans. & Rec.	289A Plug	4023

3. TEST SETUP

3.1 Locate ITE-4015 at MDF and connect 48V and ground to B and G terminal of test set.

3.2 Set up a talking line between MDF and incoming trunk frame under test.

3.3 Install 258C plugs into GBO to GB9 jacks to terminating sender link frame associated with incoming trunk under test.

3.4 Using ITE-2370 or 4046 fixture, 3 ITE-2455 plugs and four feet of 3 conductor wire, prepare a cord having plugs attached at one end and fixture at other end. Connect leads to plunger contacts that will make contact with T, R and S terminals on MDF incoming trunk terminal strips. Mark associated plugs T, R and S and patch them as indicated in Figure 1.

4. TEST OPERATIONS

4.1 With contact fixture connected to MDF terminal strip punchings associated with trunk cable, verify that meter readings agree with those given in Figure 1.

4.2 The trouble condition meter readings apply to test operations only where specific cross reference is provided.

4.3 Each test operation is independent of preceding operation except that fixture is held to the terminal strip for duration of test. Restore equipment to normal between test operations except when otherwise specified.

4.4 The following trunk circuits may include compensating resistance which must be temporarily shunted while readings are being taken.

Incoming Trunk SD

25302
25329
26204

NOTE 1:

<u>Trunk Under Test</u>	<u>Test(a)</u> <u>Insulate</u>	<u>Test(b)</u> <u>Insulate</u>
25420	4T of D	3B of D
25302	1T of D1	5T of D
25329	3B of D	3T of D
26204	2 of D	8 of D

NOTE 2: When neither Z or Y wiring is provided, apply tests indicated for Z wiring.

NOTE 3: When testing SD-26204 insulate contact 7 of D relay if X option is provided.

ITE 4015 Meter Reading R-Right L-Left		25302 25329 25420			25025				25202 25303 25322		25024 25306 25255 25353 25294		25436	25351	25432	26204		25876		
		No Tertiary Winding			With Tert. WDG. Wired															
		A Rel. Type		A Rel. Type		Apparatus				See Note 2 Wiring				See Note 3 Wiring						
		S	B	S	B	U	V	W	X	Y	Z	Y	Z	Y	Z	Y	Z	Y	Z	
Connect Special Cord Plugs To Associated ITE-4015 Jacks		TIP	Ring	T	R	T	R	T	R	T	R	T	R	T	R	T	R	T	R	
		ITE-4015 Jacks	ITE-4015 Jacks	IT	T	IT	T	IT	T	IT	T	IT	T	IT	T	IT	T	IT	T	
Test Operations		Trouble Condition																		
Connect Fixture to MDF T.S.		1-4		R10	R14	L13	L16													
Test (a) See Note 1						L13.8	L17.6					L6.6		L6.6	R17	R11.5	R11.5	R12		
Test (b) See Note 1						R11.4	R16.7									R30	R30			
Insert 25B Plug in T Jack		5,6		0	0	0	0									L14	L14			
Open The Tip at the D1 or D Relay				L16	L9.3															
Open the Ring at the D1 or D Relay				R35	R27															
Connect Fixture to MDF T.S.		5,6						0	0	0			R2	0						
Ground IT of S Relay		1-4						L7.5	L8.7											
Operate S Relay (IT of S Ground)								L43	L43											
Ground Tip at F Relay		1,3,4																		
Ground Ring at F Relay		2																		
Connect S Plug to T Jack of ITE-4015																				
Open Tip at TR Relay		5,6																		
Open Ring at TR Relay																				
Connect S Plug to T Jack of ITE-4015																				
Ground Ring at TR Relay		1-4																		
Open Tip at TR Relay (R-Ground)																				
Connect S Plug to T Jack of ITE-4015 (R-Ground)																				
Ground 6T CT Relay		1,3,4																		
Operate CT Relay																				
Ground 6B CT Relay																				
Open Tip at SD Relay		5,6																		
Open Ring at SD Relay																				
Connect S Plug to T Jack of ITE-4015																				
Open Tip at SW Relay		5,6																		
Open Ring at SW Relay																				
Trouble Conditions				L16	L9.3	L30	L30	L0.3	L0.6	L0.7	L8.3	L17	L0.6	L8.2	R46	R30	L14	0		
1. Tip Open				R35	R27	L36	L30	L7.3	L8.3	L0.6	R2	R2	0	R2	L17	L14	R30	R21		
2. Ring Open				R43	R31	L31	L31	L23	L37	L48	L10.4	L48	L48	L10.4	L48	R36	R36	R32		
3. Tip and Ring Crossed				R50	R40	R50	R43	L25	L47	L48	L10.5	L48	L48	L10.5	L48	R	R	R30		
4. Tip and Ring Reversed				R	R	R	R	R	R	R	R	R	R	R	R	R	R	R		
5. Battery on Tip or Ring				L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
6. Ground on Tip or Ring																				

FIG. 1 METER READINGS

→ Arrowed lines indicate new or changed information.

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Reason for Reissue:
Complete revision and addition of SD-26204-01.

Replaces Section 208 of 1-20-49.