

OUTGOING TRUNK CIRCUITS
OPERATION TEST
USING TEST AND LINE VERIFICATION TEST CIRCUIT SD-35019-01
AND TRUNK TEST CIRCUIT SD-35038-01
STEP-BY-STEP OFFICES ARRANGED FOR ANI-TYPE D

1. GENERAL

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1.01 This section describes a method of testing trunks in No. 1, 350A, 355A, or 35E97 offices arranged for Automatic Number Identification-Type D (ANI-D) using test and line verification circuit SD-35019-01 and trunk test circuit SD-35038-01. During these tests, an operational check of the pulse generator, number network-identifier, outpulser, and coin and operator functions of ANI-D trunks are also made.

assistance functions of the trunks with loop or E&M signaling.

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D. Supplemental Operation Test SD-35023-01 and SD-35024-01 ANI-D Trunks Provided With Multiwink Coin Control Feature: This test checks the coin, noncoin, special toll, and operator assistance functions of the trunks with either loop or E&M signaling which are provided with multiwink coin control feature.

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1.02 This section is reissued to revise Test A to include the outgoing trunk circuit failure trap feature options. The Equipment Test List is not affected.

1.04 Outpulser information is displayed on a lamp panel on the test and line verification circuit. Outpulser information displayed by this lamp panel includes progression lamps, office codes, KP digits, identification digit, 4-digit calling directory number, and ST digit.

1.03 The tests covered are:

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A. All Trunks Operation Test: This test checks the functions of the trunk and verifies that it will provide the outpulser with the proper start pulse.

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B. Supplemental Operation Test SD-35021-01 and SD-35022-01 ANI-D Trunks: This test checks the special toll and operator assistance functions of the trunks with either loop or E&M signaling.

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1.05 Test access to the trunk is provided by a test jack. When more than one class of service is provided by a trunk, additional test jacks are furnished.

1.06 The trunks are tested by making line verification tests from each test jack. The line or lines selected should be compatible with the type of trunk and test jack selected.

C. Supplemental Operation Test SD-35023-01 and SD-35024-01 ANI-D Trunks: This test checks the coin, noncoin, special toll, and operator

1.07 Supplemental tests of coin, special toll, and operator assist features are made by connecting the trunk test jacks to the trunk test circuit.

NOTICE

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1.08 Local instructions should be followed for recording and reporting any register operations caused by performing these tests.

2. APPARATUS

Test A

2.01 Test and line verification circuit SD-35019-01.

2.02 W2FE cord, 19 feet 6 inches long, equipped with one 347C plug and two KS-16336, L1 clips (2W47B cord) for use in connecting the B jack to the line sleeve at the distributing frame.

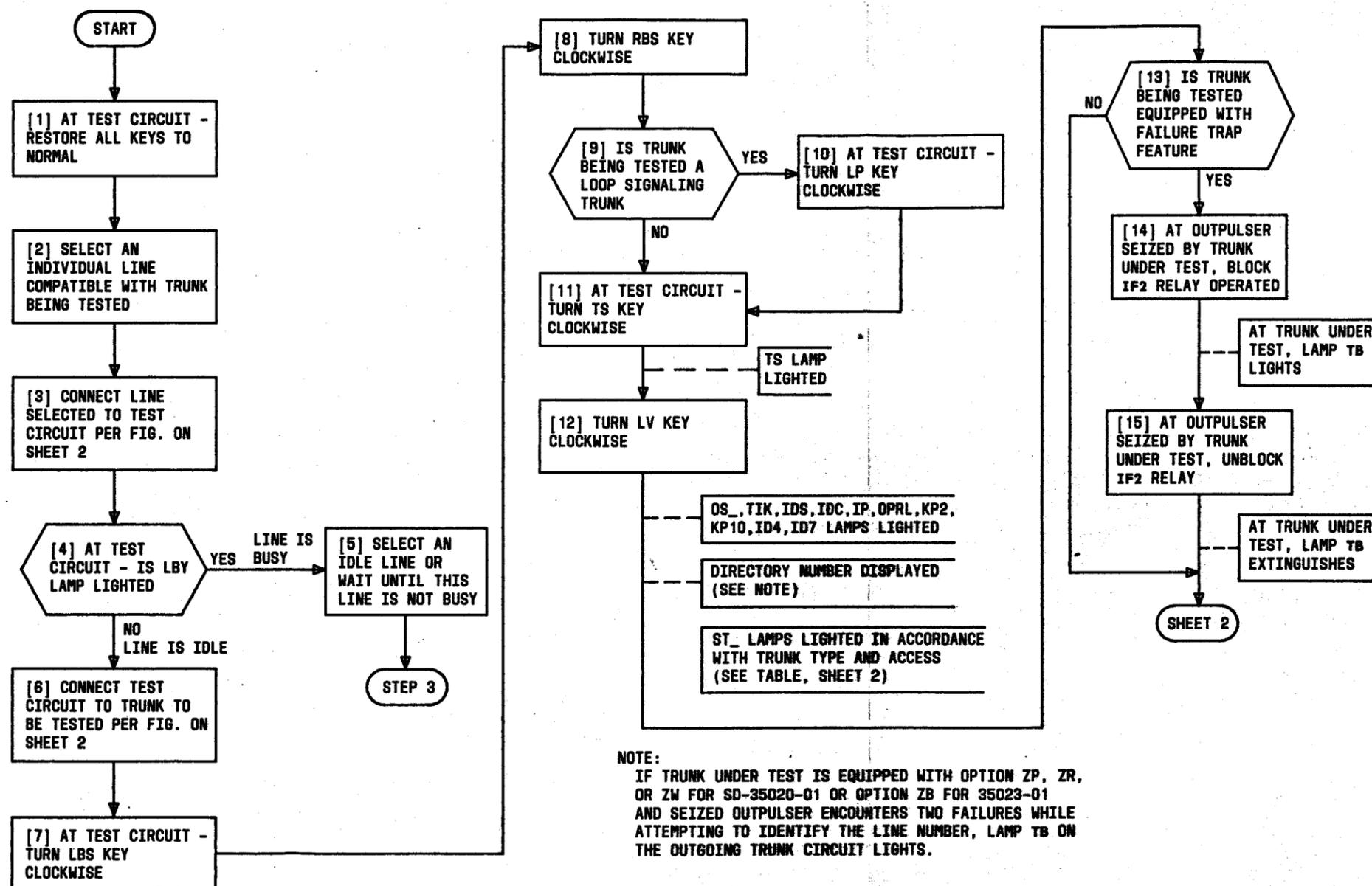
2.03 Two P3E cords, 6 feet long, equipped with 310 plugs (3P7A cord) used to connect test and line verification circuit to trunks.

Tests B, C, and D

2.04 Trunk test circuit J34731A (SD-35038-01).

2.05 Three 3PE cords, 10 feet long, equipped with 310 plugs (3P6F cord) used to patch trunk test circuit to trunk test jacks.

2.06 P2J cord, 9 feet long, equipped with 310 plugs (2P9A cord) used to patch -48 volt battery to trunk test circuit.



NOTE:
 IF TRUNK UNDER TEST IS EQUIPPED WITH OPTION ZP, ZR, OR ZW FOR SD-35020-01 OR OPTION ZB FOR 35023-01 AND SEIZED OUTPUTPULSER ENCOUNTERS TWO FAILURES WHILE ATTEMPTING TO IDENTIFY THE LINE NUMBER, LAMP TB ON THE OUTGOING TRUNK CIRCUIT LIGHTS.

Fig. 1—Test A: All Trunks Operation Test (Sheet 1 of 2)

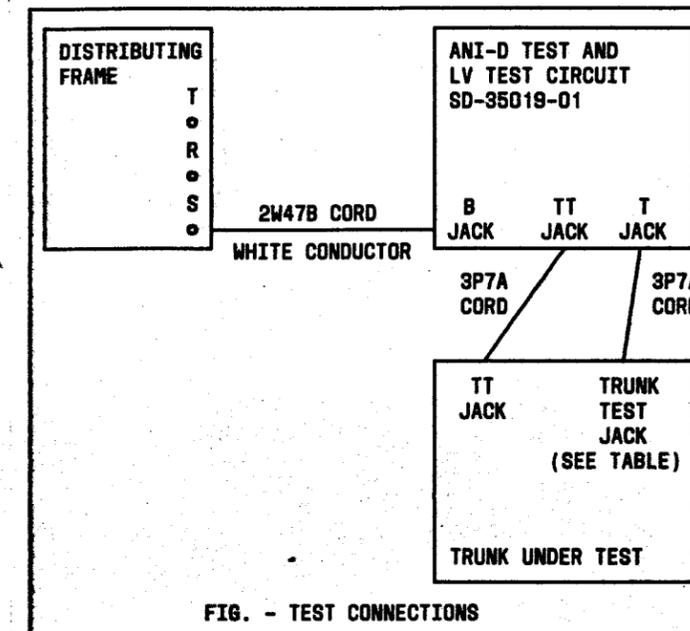
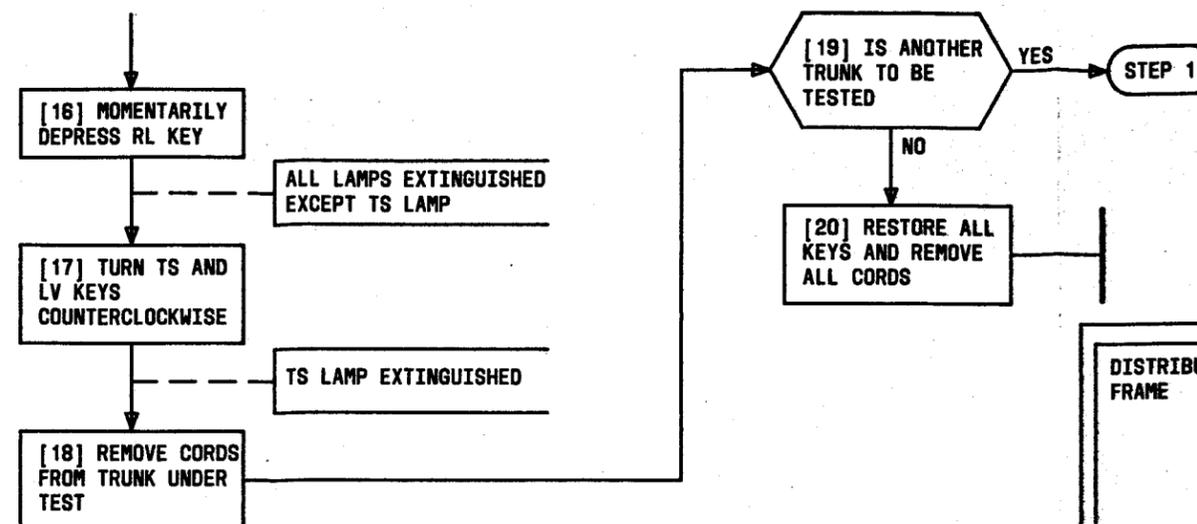


FIG. - TEST CONNECTIONS

TABLE

ANI-D TRUNK	NON COIN	COIN	TRUNK ACCESS	TRUNK TEST JACK	TEST & LINE VERIFICATION TEST JACK	START PULSE DESIGNATION	ST LAMPS LIGHTED
SD-35020-01	X		1	T	T	ST	7 AND 10
SD-35021-01	X		0+, 0-	TO	T	STP	1 AND 10
SD-35022-01	X		1+	T	T	ST	7 AND 10
	X		0+, 0-	TO	T	STP	1 AND 10
SD-35023-01		X	1+	TC	T	ST	7 AND 10
		X	0+, 0-	TOC	T	STP	1 AND 10
SD-35024-01	X		1+	T	T	ST2P	4 AND 10
	X		0+, 0-	TO	T	ST3P	0 AND 10
		X	1+	TC	T	ST	7 AND 10
		X	0+, 0-	TOC	T	STP	1 AND 10
SD-35041-01	X	X	411	T	T	ST	1 AND 10

Fig. 1—Test A: All Trunks Operation Test (Sheet 2 of 2)

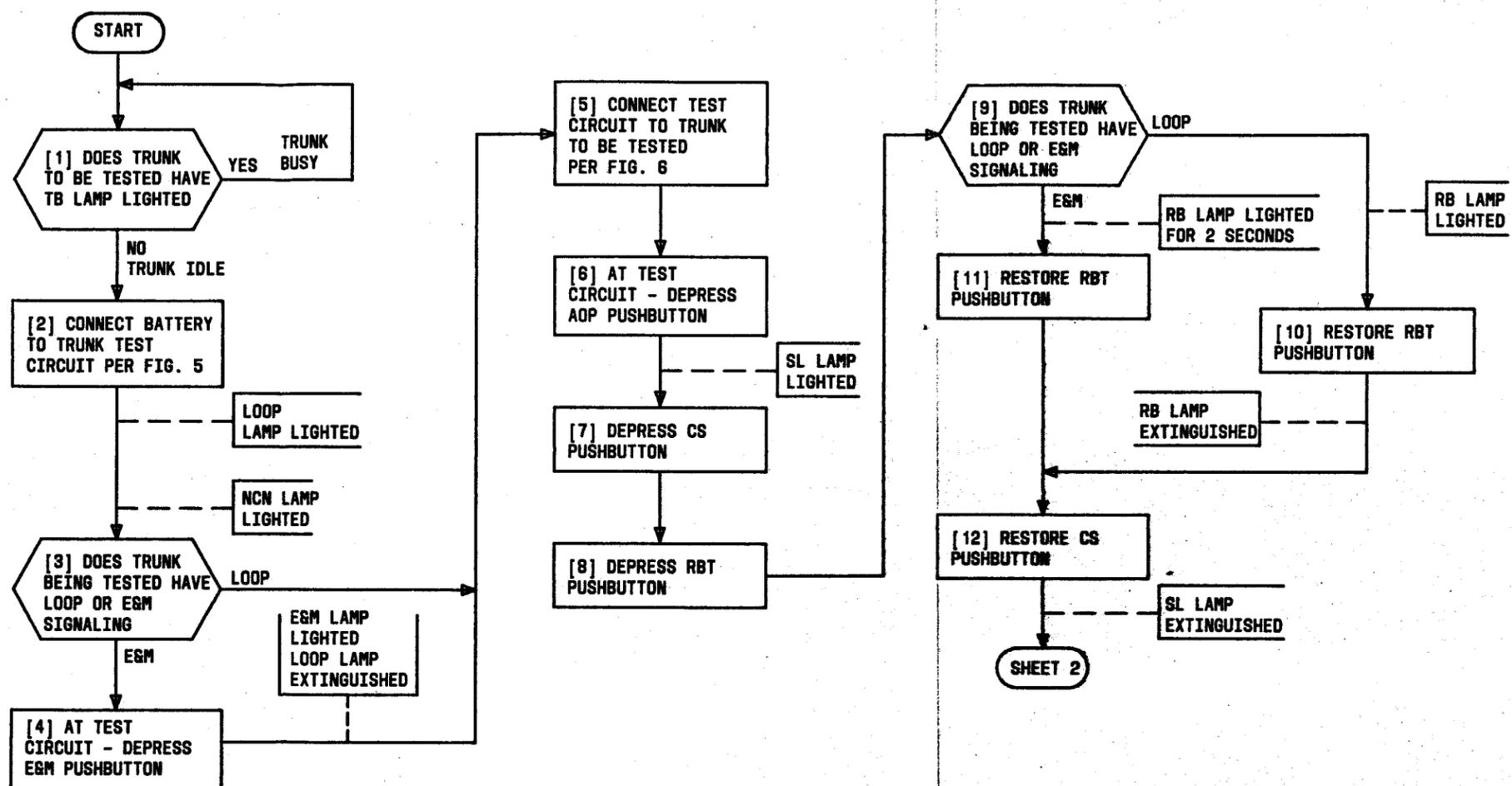


Fig. 2—Test B: Supplemental Operation Test-SD-35021-01 and SD-35022-01 ANI-D Trunks (Sheet 1 of 2)

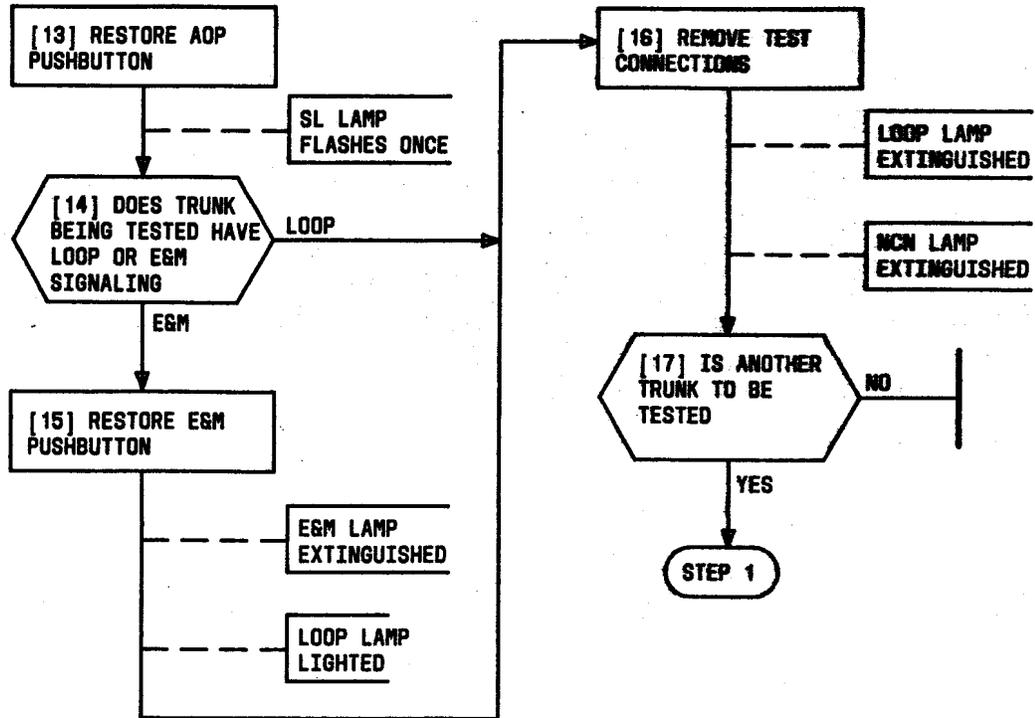


Fig. 2—Test B: Supplemental Operation Test-SD-35021-01 and SD-35022-01 ANI-D Trunks (Sheet 2 of 2)

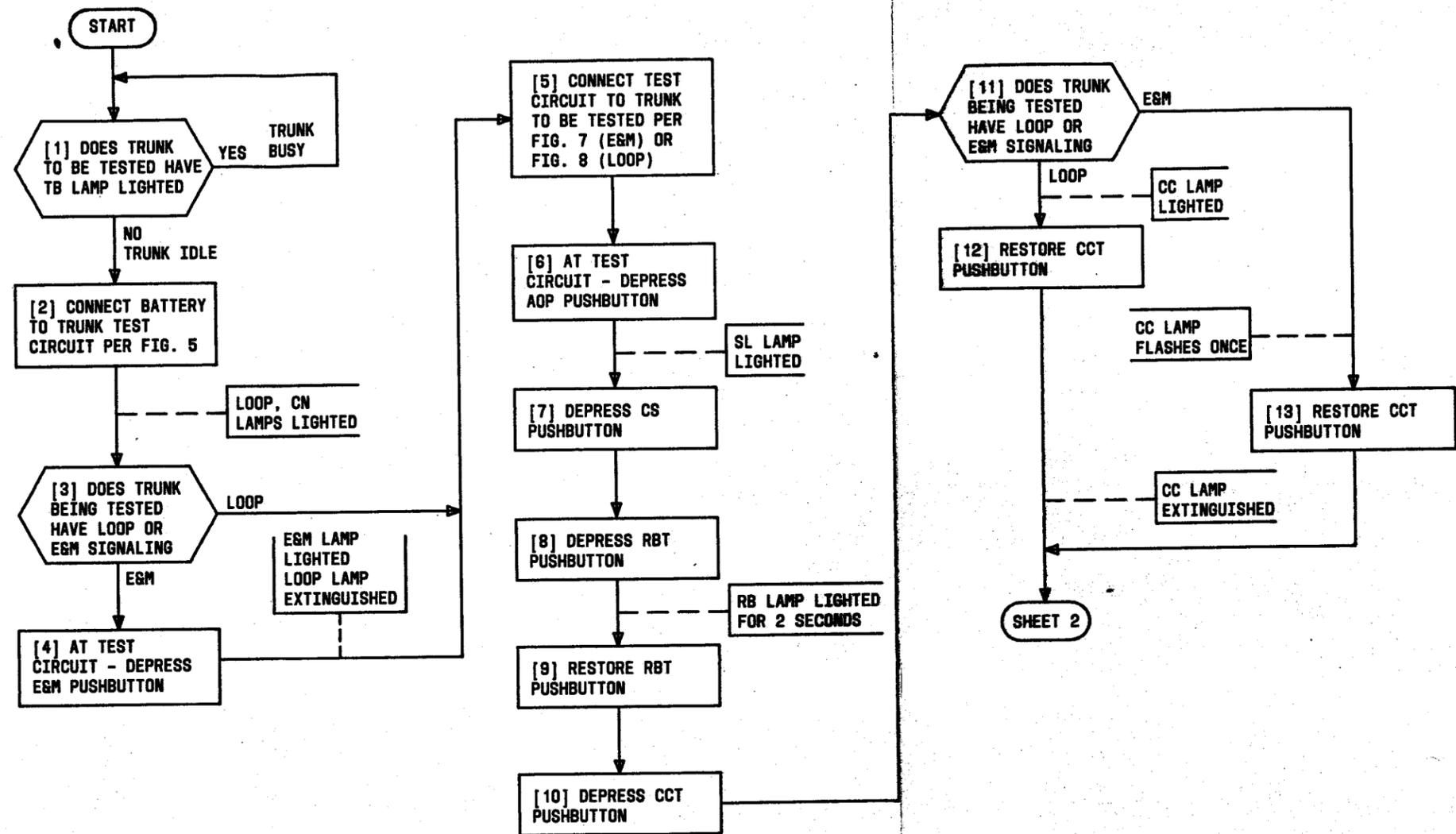


Fig. 3—Test C: Supplemental Operation Test-SD-35023-01 and SD-35024-01 ANI-D Trunks (Sheet 1 of 2)

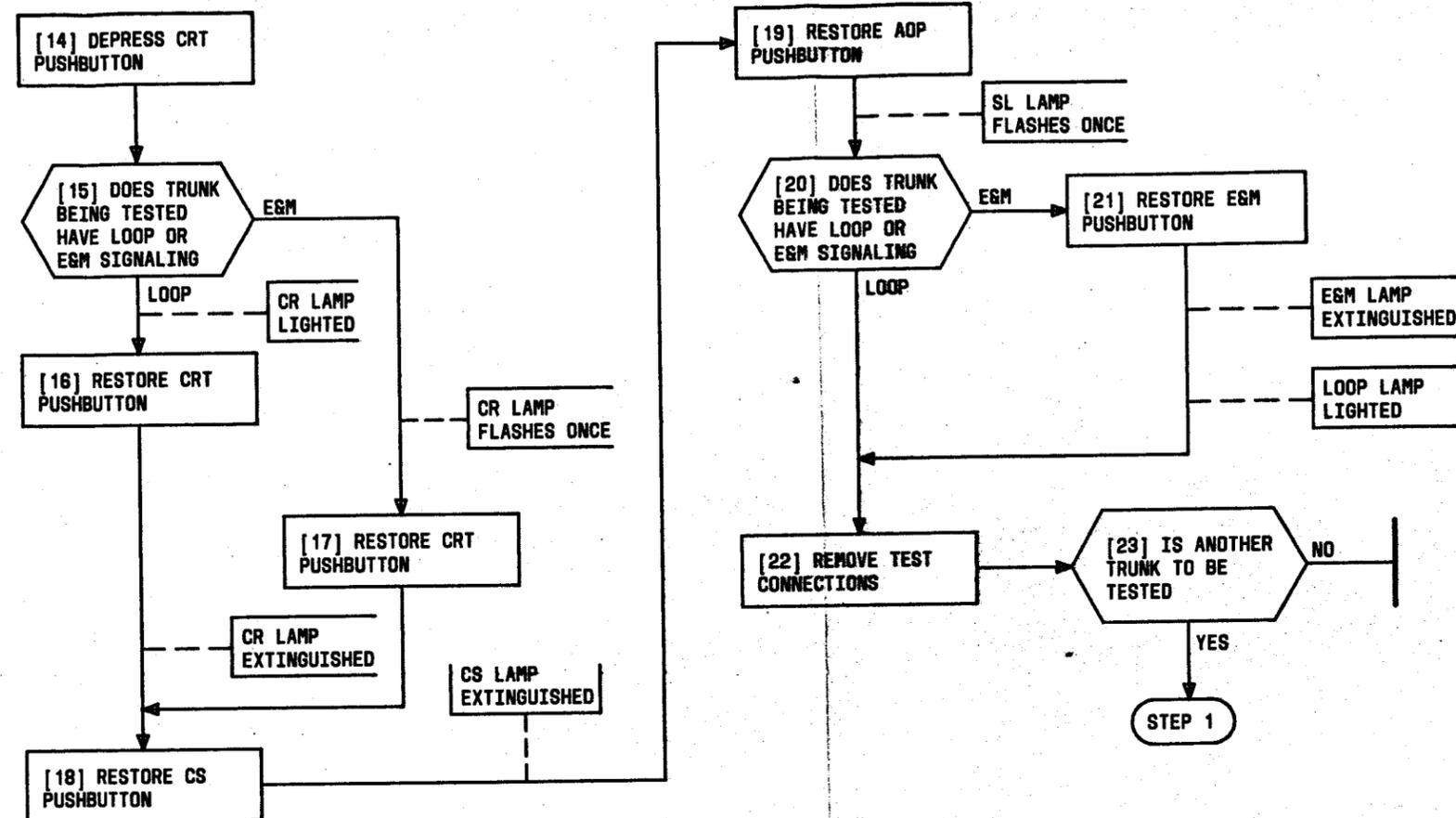


Fig. 3—Test C: Supplemental Operation Test-SD-35023-01 and SD-35024-01 ANI-D Trunks (Sheet 2 of 2)

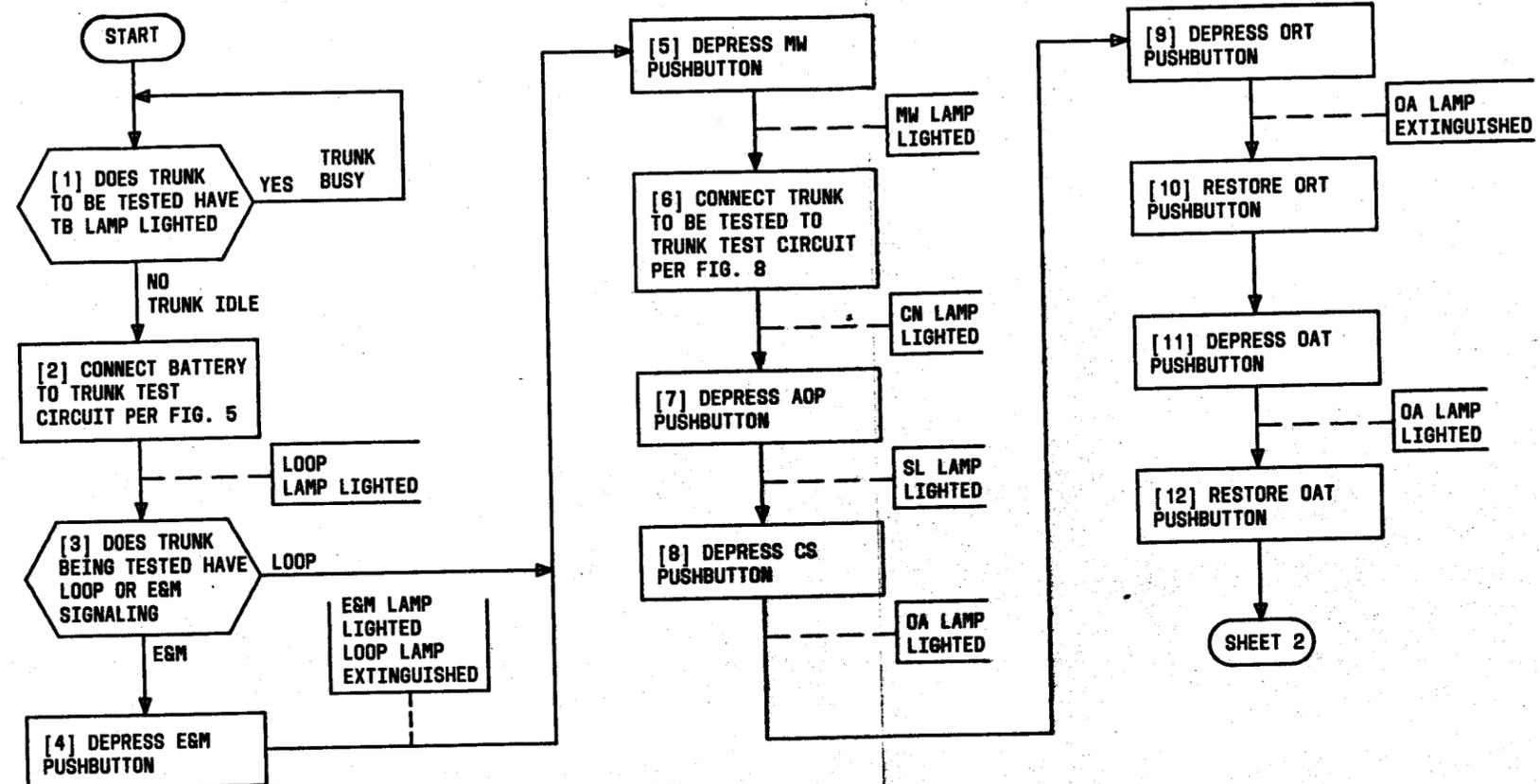


Fig. 4—Test D: Supplemental Operation Test-SD-35023-01 and SD-35024-01 ANI-D Trunks Provided With Multiwink Coin Control Feature (Sheet 1 of 2)

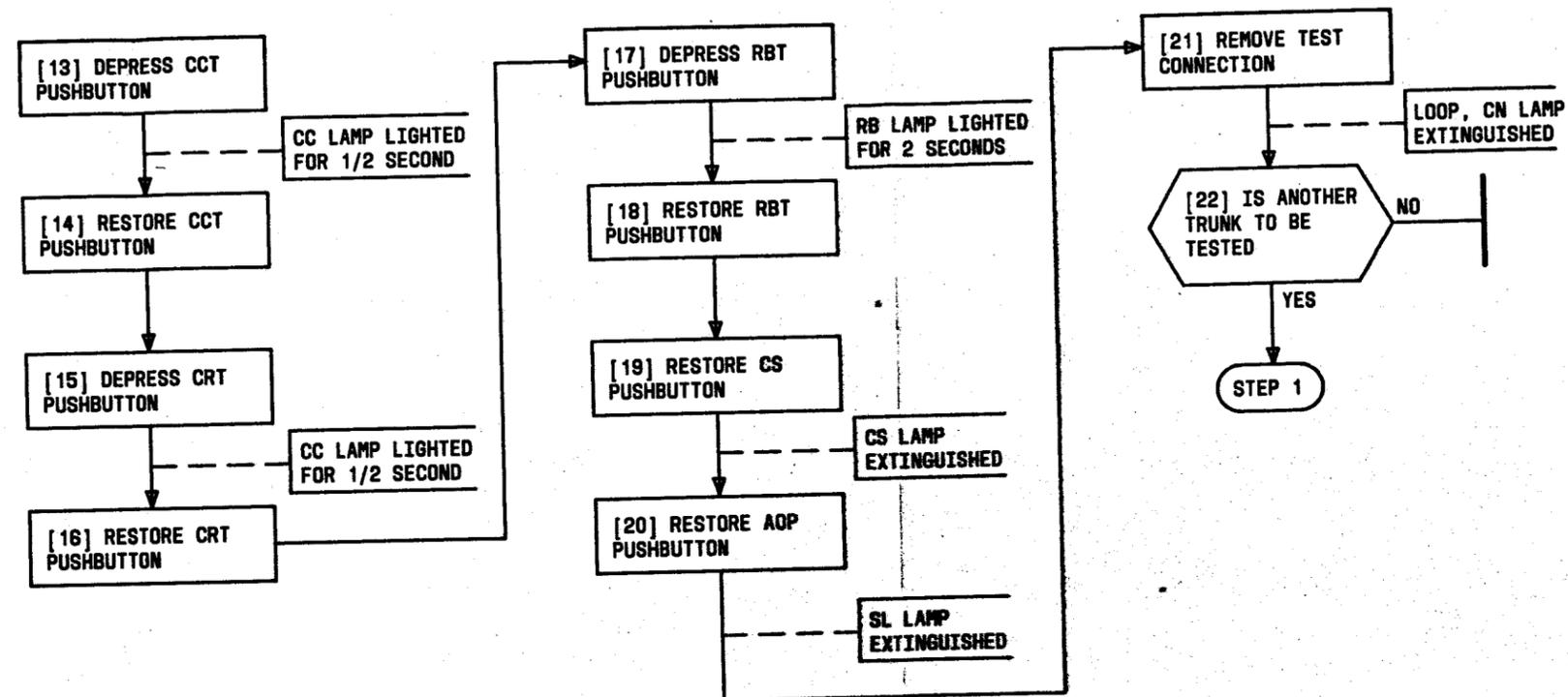


Fig. 4—Test D: Supplemental Operation Test-SD-35023-01 and SD-35024-01 ANI-D Trunks Provided With Multwink Coin Control Feature (Sheet 2 of 2)

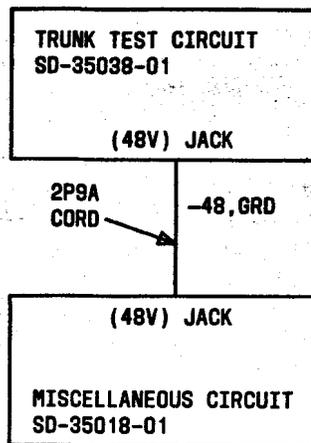


Fig. 5—Trunk Test Circuit Battery Connection

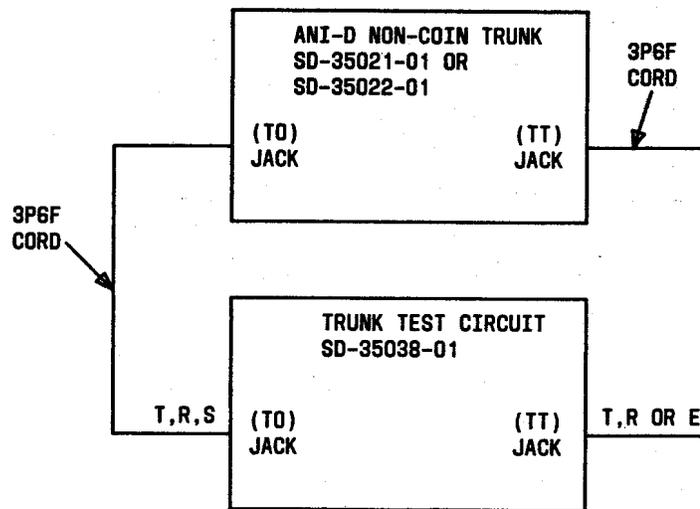


Fig. 6—Noncoin ANI-D Trunk Test Connection

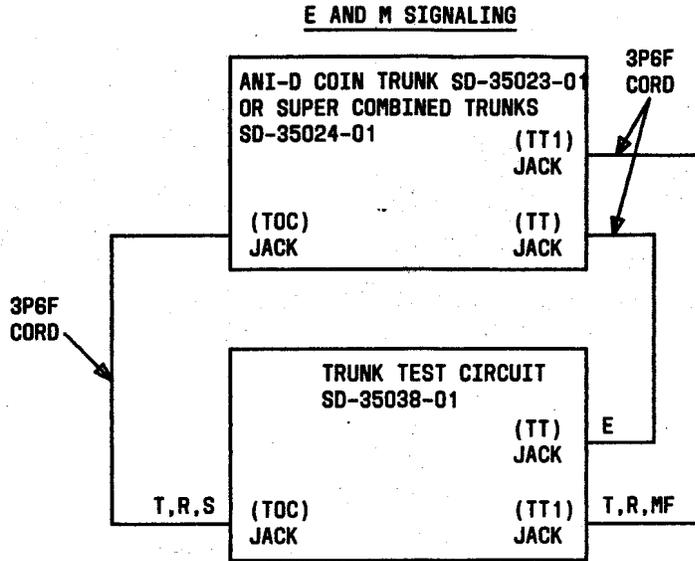


Fig. 7—Coin, Combined Coin, and Noncoin ANI-D Trunk With E&M Signaling but Without Multiwink Coin Control Feature Test Connection

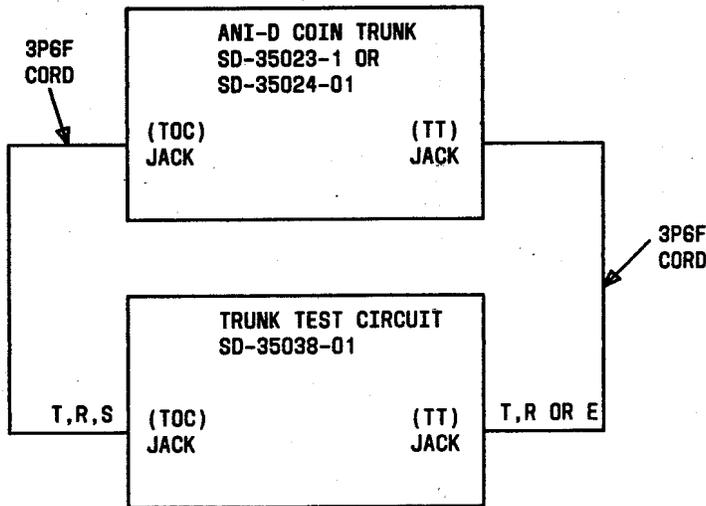


Fig. 8—Coin, Combined Coin, and Noncoin ANI-D Trunk (Loop) Test Connection