

AUTOMATIC NUMBER ANNOUNCEMENT
 FUSING AND TONE SUPPLY TESTS

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1. GENERAL INFORMATION

1.1 Description of Test

1.11 This section describes fusing tests to be applied to the Automatic Number Announcement Circuits for Automatic Message Accounting and Automatic Number Identification.

2. RECORDS AND REQUIREMENTS

2.1 Records

2.11 The results of these tests should be recorded on forms SD-97-1313 and SD-97-1315.

2.2 Requirements

2.21 The tests of this section are based on the following:

NS-02500-01
 NS-02501-01
 NS-02502-01
 NS-02503-01
 NS-02504-01
 NS-02516-01

3. TEST EQUIPMENT

3.1 Test Sets

<u>Amt</u>	<u>Code</u>	<u>Description</u>
1	ITE-4442A	Volt-Ohmmeter

3.2 Accessories

<u>Amt</u>	<u>Code</u>	<u>Description</u>
1	R-9572	Test Receiver

4. FUSING TESTS

4.1 Remove the fuses if they are installed.

4.2 Using the ITE-4442A Volt-Ohmmeter and R-9572 Test Receiver, check that all fuse posts are clear of foreign battery and ground.

4.3 Install the fuses one at a time and check with the volt-ohmmeter that the correct potential is received at one point in the fused circuit, observing the Special Test Precautions for Electronic Devices per Section 71, Handbook 3.

4.4 After each fuse is installed recheck the adjacent fuse post for absence of foreign battery before installing the next fuse and verify that the correct potential is present at the terminals indicated in Table A.

NS DRAWING	POTENTIAL	UNIT	TERMINAL STRIP	TERMINAL	REMARKS	
02500-01	-48V (E)	02500A	E	46	Option ZD	
	GRD (E)		E	48	Option ZD	
	-48V (B)		D	11	Option ZB	
	GRD (B)		D	31	Option ZB	
	120 IPM TONE		D	41	Options K, X, Y	
	120 IPM TONE (ST)		D	16	Option K	
	HT		D	51		
	AUD. RING		D	22		
	-48V RES LP (connected to 13A RES LP)		D	32	Option R	
	-48V (D)		J	11	App. Fig. 6	
	GRD (D)	J	41	App. Fig. 6		
	-48V (B)	02500B	D	11	Option ZB	
	-48V (D)		D	21		
	-48V (E)		D	31	Option ZD	
	GRD (B)		D	41	Option ZB	
	GRD (D)		D	51		
	GRD (E)		D	12	Option ZD	
	120 IPM TONE		D	33		
	120 IPM TONE (ST)		D	43		
AUD. RING	D		13			
HT	D		23			
-48V (Connected to 13A RES LP)	D	52	Option R			
105+ RING GRD	-----	UNIT	34A	255A KEY TEST UNIT WITH E & M SIGNALING		
GRD	-----	UNIT	40A			
BAT	-----	UNIT	2B			
-24V	-----	UNIT	3B		See NOTE 2	
GRD	-----	UNIT	37B			
-48V	-----	UNIT	38B			
GRD	-----	UNIT	39B			
120V AC	-----	UNIT	40B			
			-	AUDIO PLAYBACK UNIT		
02501-01	-48V	02501A	A	11		
	60 IPM TONE		A	21		
	60 IPM TONE (ST)		A	31		
	HT1		A	51		
	GRD		A	18		
	-48V		"A" LAMP	L		See NOTE 1
GRD	"ST" JACK	1		See NOTE 1		
02502-01	-48V	02502A	A	11		
	GRD		A	31		
	AC DC AUD		A	51		
	HT		A	38		
	60 IPM TONE		A	48		
	-48V		"A" LAMP	L		See NOTE 1
GRD	"ST" JACK	1		See NOTE 1		
02503-01	-48V (B)	02503A	A	11		
	120 IPM TONE		A	21		
	120 IPM TONE (ST)		A	31		
	HT		A	32		
	MR, RI or MR SUP-		A	33		
	60 IPM TONE (ST)		A	24		
	60 IPM TONE (ST)		A	34		
	GRD (B)		A	17		
	-48V		"A" LAMP	L		See NOTE 1
	GRD		"ST" LAMP	1		See NOTE 1
	-48V (F)		A	13		Options ZV, ZW, ZX
	GRD (F)		A	23		Options ZV, ZW, ZX
	-48V (D)		B	11		App. Fig. 3
	GRD (D)		B	51		App. Fig. 3
-48V (H)	A	16				

NS DRAWING	POTENTIAL	UNIT	TERMINAL STRIP	TERMINAL	REMARKS
	-48V (B) GRD (B) -48V (F) GRD (F) HT MR, RI or SUP- 120 IPM TONE 120 IPM TONE (ST) 60 IPM TONE 60 IPM TONE (ST)D -48V (H)	02503B	A A B B A A A A A A B	11 51 11 52 33 43 14 24 44 34 21	Options ZV, ZW, ZX Options ZV, ZW, ZX
	-48V (G)	02503E	H	11	
02503-01	-48V (D) GRD (D)	02503B	A A	31 16	
	-48V (E) GRD (E)	02503C	C C	11 51	App. Fig. 5 & 6 App. Fig. 5 & 6
	T(HT1) R(HT1) T(MR SUP-) R(MR SUP-) T(LT 120) R(LT 120) T(LT 60) R(LT 60)	02503A	A A A A A A A A	12 33 22 43 32 14 42 44	ESS #1 and #2
	105+ RING GRD GRD BAT -24V (A) GRD -48V GRD 120V AC	----- ----- ----- ----- ----- ----- ----- -----	UNIT UNIT UNIT UNIT UNIT UNIT UNIT UNIT	34A 40A 2B 3B 37B 38B 39B 40B -	255A KEY TEL UNIT WITH E & M SIGNALING See NOTE 2 AUDIO PLAYBACK UNIT
02504-01	-48V (B) 120 IPM TONE 120 IPM TONE (ST) HT MR, RI or MR SUP- 60 IPM TONE (ST) 60 IPM TONE GRD (B) -48V GRD -48V (E) GRD (E) -48V (D) GRD (D) -48V (F)	02504A	A A A A A A A A "A" LAMP "ST" JACK A A B B A	11 21 31 32 33 24 34 17 L 1 12 22 11 51 16	Option ZG Option ZG See NOTE 1 See NOTE 1 Option ZH Option ZH App. Fig. 3 App. Fig. 3
	-48V (B) -48V (D) -48V (E) GRD (E) GRD (B) GRD (D) HT MR, RI or MR SUP- 120 IPM TONE 120 IPM TONE (ST) 60 IPM TONE 60 IPM TONE (ST) -48V (F)	02504B	A A B B A A A A A A A A A B	11 21 11 51 41 51 42 52 23 33 53 43 21	Option ZG Option ZH Option ZH Option ZG

NS DRAWING	POTENTIAL	UNIT	TERMINAL STRIP	TERMINAL	REMARKS
	105+	-----	UNIT	34A	255A KEY TEL UNIT WITH E & M SIGNALING
	RING GRD	-----	UNIT	40A	
	GRD	-----	UNIT	2B	See NOTE 2
	BAT	-----	UNIT	3B	
	-24V (A)	-----	UNIT	37B	
	GRD	-----	UNIT	38B	
	-48V	-----	UNIT	39B	
	GRD	-----	UNIT	40B	
	120V AC	-----	UNIT	-	AUDIO PLAYBACK UNIT
02516-01	-48 GRD	02516A	A	11	

NOTE 1: This equipment is mounted on Distributing Frame only when 10-digit frame access is provided.

NOTE 2: The BAT potential at this point depends upon the voltage rating of lamps in equipment provided by the Telephone Company. The lamps are connected to terminal 1B of the 255A Key Tel. Unit.

Manager, Product Engineering
Control Center

Reason for Reissue:
Change Fuse Table.