

NO. 6A ANNOUNCEMENT SYSTEM
MACHINE INTERCEPTING
DISTRIBUTING AND ALARM CIRCUIT
TESTS

1. GENERAL

1.01 This section describes a method of testing the distributing and alarm circuit for the announcement machine used with intercepting trunks that are arranged for machine intercepting.

1.02 The tests are as follows:

- (A) Test of AL1 Alarm: This test checks the audible and visual major alarm AL1, which operates when the distributing circuit fails to release.
- (B) Test of AL2 Alarm: This test checks the audible and visual major alarm AL2 which operates when the distributing circuit fails to operate once every announcement cycle.
- (C) Test of AL3 Alarm: This test checks the audible and visual minor alarm AL3 which operates when the minor switch fails to step off normal or fails to restore to normal.

2. APPARATUS

2.01 The apparatus required for each test is shown in the following list. The details of each item are covered in the individual paragraphs.

<u>Apparatus</u>	<u>A</u>	<u>B</u>	<u>C</u>
Test Cord (2.02)	1	1	1
Stop Watch (2.03)	-	1	1
Toothpicks (2.04)	-	-	1

2.02 No. 893 Cord, 6 feet long, equipped with two No. 360A Tools (1W13B Cord Assembly) and two KS-6278 Tools (for use in establishing test connections to terminals).

2.03 KS-3008 Stop Watch or equivalent.

2.04 Toothpicks for blocking the rotary and release magnets of the 204-type selector (minor switch).

3. PREPARATION

PREPARATION FOR TESTS A, B AND C

<u>STEP</u>	<u>ACTION</u>	<u>VERIFICATION</u>
1	If OLL lamp is dark operate OLL key.	OLL lamp lights.
2	Release OLL key.	OLL lamp remains lighted.
3	Connect ground to the ST lead on terminal 1 of terminal strip A using a 1W13B cord.	

4. METHOD

<u>STEP</u>	<u>ACTION</u>	<u>VERIFICATION</u>
<u>(A) Test of AL1 Alarm</u>		
4	Block operated any RA relay.	After a short time interval, major alarm sounds and AL1 lamp lights.
5	Release RA relay.	Major alarm continues to sound. AL1 lamp remains lighted.

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<u>STEP</u>	<u>ACTION</u>	<u>VERIFICATION</u>
6	Operate MJ-AR key.	Major alarm silenced. AL1 lamp extinguished. MJ-GD lamp lights.
7	Restore MJ-AR key to normal.	MJ-GD lamp is extinguished.
8	Operate OL2 key.	OL1 lamp is extinguished. OL2 lamp lights.
9	Release OL2 key.	OL2 lamp remains lighted.
10	Block operated any RB relay.	After a short time interval, major alarm sounds and AL1 lamp lights.
11	Release RB relay.	Major alarm continues to sound - AL1 lamp remains lighted.
12	Operate MJ-AR key.	Major alarm silenced. AL1 lamp extinguished. MJ-GD lamp lights.
13	Restore MJ-AR key to normal.	MJ-GD lamp extinguished.
14	Remove ground from ST lead on terminal 1 of terminal strip A.	

(B) Test of AL2 Alarm

4	Block non-operated any RA relay and start timing.	Within the minimum and maximum time interval for which the announcement cycle is set - Major alarm sounds and AL2 lamp lights.
5	Remove blocking tool from RA relay.	Major alarm continues to sound. AL2 lamp remains lighted.
6	Operate MJ-AR key.	Major alarm silenced. AL2 lamp extinguished. MJ-GD lamp lights.
7	Restore MJ-AR key to normal.	MJ-GD lamp extinguished.
8	Operate OL2 key.	OL1 lamp extinguished. OL2 lamp lights.
9	Release OL2 key.	OL2 lamp remains lighted.
10	Block non-operated any RB relay and start timing.	Within the minimum and maximum time interval for which the announcement cycle is set - Major alarm sounds and AL2 lamp lights.
11	Remove blocking tool from RB relay.	Major alarm continues to sound. AL2 lamp remains lighted.
12	Operate MJ-AR key.	Major alarm silenced. AL2 lamp extinguished. MJ-GD lamp lights.

<u>STEP</u>	<u>ACTION</u>	<u>VERIFICATION</u>
13	Restore MJ-AR key to normal.	MJ-GD lamp extinguished.
14	Remove ground from ST lead on terminal 1 of terminal strip A.	
<u>(C) Test of AL3 Alarm</u>		
4	Block rotary magnet A non-operated using a toothpick.	Minor alarm sounds. AL3 lamp lights.
5	Remove toothpick from rotary magnet A.	Minor alarm continues to sound. AL3 lamp remains lighted.
6	Operate MN-AR key.	Minor alarm silenced. AL3 lamp extinguished. MN-GD lamp lights.
7	Restore MN-AR key to normal.	MN-GD lamp extinguished.
8	Block release magnet A non-operated using a toothpick and start timing.	Within the minimum and maximum time interval for which the announcement cycle is set - Minor alarm sounds and AL3 lamp lights.
9	Remove toothpick from release magnet A.	Minor switch restores. Minor alarm continues to sound. AL3 lamp remains lighted.
10	Operate MN-AR key.	Minor alarm silenced. AL3 lamp extinguished. MN-GD lamp lights.
11	Restore MN-AR key to normal.	MN-GD lamp extinguished.
12	Operate OL2 key.	OL1 lamp extinguished. OL2 lamp lights.
13	Release OL2 key.	OL2 lamp remains lighted.
14	Block rotary magnet B non-operated using a toothpick.	Minor alarm sounds. AL3 lamp lights.
15	Remove toothpick from rotary magnet B.	Minor alarm continues to sound. AL3 lamp remains lighted.
16	Operate MN-AR key.	Minor alarm silenced. AL3 lamp extinguished. MN-GD lamp lights.
17	Restore MN-AR key to normal.	MN-GD lamp extinguished.
18	Block release magnet B non-operated using a toothpick and start timing.	Within the minimum and maximum time interval for which the announcement cycle is set - Minor alarm sounds and AL3 lamp lights.

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<u>STEP</u>	<u>ACTION</u>	<u>VERIFICATION</u>
19	Remove toothpick from release magnet B.	Minor switch restores. Minor alarm continues to sound. AL3 lamp remains lighted.
20	Operate MN-AR key.	Minor alarm silenced. AL3 lamp extinguished. MN-GD lamp lights.
21	Restore MN-AR key to normal.	MN-GD lamp extinguished.
22	Remove ground from ST lead on terminal 1 of terminal strip A.	