

GROUP ALERTING SYSTEM J95421

1. GENERAL

1.01 This section describes a method of testing the group alerting system. This system is comprised of control circuit SD-95883-01 and auxiliary line circuit SD-95884-01.

1.02 This section is reissued to cover additional timing requirements and to revise the title to include the J number for identification.

1.03 The tests covered are:

A. Register and Group Circuit: This test checks operation of the dialing circuit and the selector and its ability to select a particular group.

B. Ring Group Sequence Circuit: This test checks that the common ringing circuit is functioning properly.

C. Timing Circuit: This test checks the central office alert release timing circuit.

1.04 Consult office records for central office alert cutoff time for Test C.

1.05 Generally this circuit should not be tested on a routine basis. This circuit should never be taken out of service for any reason without the express permission of the customer. Any time a plug is inserted into the A jack this circuit will be out of service.

2. APPARATUS

Tests A and B

2.01 1011G dial hand test set equipped with a 2W38A cord assembly consisting of a W2CK cord and a 310 plug.

Test A

2.02 Insulating tools as required. Use tools and apply, as covered in Section 069-020-801.

3. PREPARATION

All Tests

STEP	ACTION	VERIFICATION
1	Operate AUD RLS key.	

Tests A and B

2	Connect handset to A jack.	A lamp lights.
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4. METHOD

STEP	ACTION	VERIFICATION
A. Register and Group Circuit		
3	Dial zero.	Selector steps to terminal 10, then returns to normal.
4	Insulate No. 1 contact of selector off-normal contacts.	

STEP	ACTION	VERIFICATION
5	Dial zero.	Selector steps to terminal 10. ALM lamp lights.
6	Operate selector release magnet manually.	Selector returns to normal.
7	Remove insulator.	
8	Operate ALM RESET key momentarily.	ALM lamp extinguished.
9	Insulate EMB2 contact of ST relay.	
10	Dial existing group.	Associated GST, GSM, SGS relays operate. BT, TR relays of associated line circuits also operate, provided line circuit is idle. <i>Note:</i> At this time an announcement should be made to the effect that a test is being conducted for the time required for this step. This announcement will be heard by anyone in this group who lifts his receiver at this time.
11	Dial zero.	Circuit restores to normal.
12	Remove insulator.	
13	Remove handset.	
14	Release AUD RLS key.	

B. Ring Group Sequence Circuit

3	Operate D- relay manually.	RSG- relays step in order. Approximately 2 seconds later, TM relay operates. RBL- relays step in order. After approximately 14 seconds, TM relay releases, RBL relays stop operating.
4	Hold W relay operated manually.	In 3 to 20 seconds, ALM lamp lights.
5	Release D and W relays.	
6	Operate RING RESET key.	
7	Operate ALM RESET key.	ALM lamp extinguished.
8	Dial zero.	Circuit restores to normal.
9	Remove handset.	
10	Release AUD RLS key.	

C. Timing Circuit

2	Operate D- relay manually.	D- relay will lock. RSG- relays step in order. After approximately 3 to 8 minutes, depending upon option used, these relays will stop stepping, circuit will restore to normal.
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