

AUXILIARY TRUNK CIRCUIT FOR AUTOMATIC TIMED RELEASE SD-32540-01 TIMING TEST

1. GENERAL

1.01 This section describes a method of testing the timed automatic disconnect features of auxiliary trunk SD-32540-01.

1.02 This section affects the Equipment Test List.

1.03 The test specified in this section is designed to apply proper marginal tests (simulated critical circuit conditions) when the circuit under test has an applied voltage of 48.5 to 50. In those offices where power plants are normally operated at more than 50 volts, the battery voltage should be reduced and maintained within the required limits while the tests are being made.

1.04 *Lettered Steps:* A letter a, b, c, etc, added to a step number in Part 3 or 4 of this section indicates an action which may or may not be required, depending on local conditions. The condition under which a lettered step or a series of lettered steps should be made is given in the ACTION column, and all steps governed by

the same condition are designated by the same letter within a test. Where a condition does not apply, all steps designated by that letter should be omitted.

2. APPARATUS

2.01 KS-3008 stopwatch or equivalent.

2.02 Testing cord, 893 cord, 6 feet long, equipped with two 360A tools (1W13B cord), one KS-6278 connecting clip, and one 419A tool.

2.03 Test receiver, 716C receiver attached to a W2AB cord,, equipped with two 360A tools (2W21A cord), one KS-6278 connecting clip, and one 411A (test pick) tool (used for checking for presence of ground).

2.04 Blocking or insulating tools as required. Use and apply as covered in Section 069-020-801.

2.05 258-type (make-busy) plugs, as required.

3. PREPARATION

STEP	ACTION	VERIFICATION
1	Connect KS-6278 connecting clip attached to 893 cord to frame ground.	
2	Connect KS-6278 connecting clip attached to test receiver to -48v battery.	

4. METHOD

STEP	ACTION	VERIFICATION
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A. OPERATION TEST

3	At terminal strip on unit— Using test receiver, check for presence of ground on terminal 57 for left circuit or terminal 46 for right circuit.	If click heard in test receiver, circuit is busy. If no click is heard, circuit is idle.
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SECTION 226-504-500

STEP	ACTION	VERIFICATION
4	When circuit is idle— Insert 258-type make-busy plug into T jack. <i>Caution: Inserting plug into T jack of busy circuit will ground the sleeve of calling line, preventing calling party disconnect.</i>	
5	Using 893 cord, connect ground to terminal 57 for left circuit or to terminal 46 for right circuit.	
6	Block operated P relay.	RV relay operated.
7	Simultaneously remove blocking tool from P relay and start timing.	DIS relay operated after 12 to 17 seconds. <i>Note:</i> A 2-minute cooling interval must be allowed between successive time checks.
8a	If no further tests are to be made— Disconnect all cords; remove all blocking tools and busy plugs.	