

CIVIL AIR DEFENSE WARNING SYSTEM STATION LINE TEST USING TEST CIRCUIT SD-95746-01

1. GENERAL

- 1.01 This section describes a method of testing a particular warning station using station line test circuit SD-95746-01.
- 1.02 This section is reissued to cover offices where words and digits have replaced color signals. References to white as an "All Clear" signal is discontinued as this signal is no longer in use.
- 1.03 Table C shows two signal light arrangements used at station indicators.
- 1.04 This test checks that the proper lamp will light and the ringer sound at the station.
- 1.05 Verifications will be required at the location of the station under test.
- 1.06 **WARNING:** *Permission MUST be obtained from the Telephone Company civil-defense (formerly the CADW) network control supervisor before any tests are performed on this equipment. All other Telephone Company personnel who may be concerned shall be informed when tests are to be conducted, and both the control supervisor and other concerned Telephone Company personnel shall be informed*

when the tests are completed and the equipment is restored to service.

1.07 **Lettered Steps:** A letter a, b, c, etc, added to a step number in Parts 3 and 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 Testing cord, W2W cord, 10 feet long, equipped with one No. 310 plug, two KS-6278 clips (No. 2W17C cord or equivalent), and two No. 108 cord tips (for use in establishing test connections on the terminal strip of the 200-line unit).
- 2.02 Testing cord, W3A cord, 12 feet long, equipped with one No. 310 plug, three KS-6780 clips, and three No. 108 cord tips (No. 3W3A cord) (for use in establishing test connections on the terminal strip of the 5- or 8-line units).

3. PREPARATION

STEP	ACTION	VERIFICATION
1a	If testing 200-line unit — Insert No. 310 plug of W2W cord into TLT (test line test) jack of station line test circuit.	
2a	On the unit terminal strip, connect KS-6278 clips of tip (white) and ring (blue) conductors to the T and R punchings, respectively, of the station under test.	

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STEP	ACTION	VERIFICATION
3b	If testing 5- or 8-line unit — Insert No. 310 plug of W3A cord into TLT (test line test) jack of station line test circuit.	
4b	On the unit terminal strip, connect KS-6780 clips of tip (white), ring (blue), and sleeve (red) conductors to the T, R, and T1 punchings, respectively, of the station under test.	
5b	Insulate contacts of relays associated with station under test, as shown in Table A or B.	

TABLE A

CIRCUIT SD-95685-01 — 5-LINE UNIT

STATION (LINE)	RELAYS	CONTACTS
1	R & Y	3B
2	R1 & Y1	6T
3	R1 & Y1	3T
4	R1 & Y1	3B
5	R1 & Y1	6B

TABLE B

CIRCUIT SD-95743-01 — 8-LINE UNIT

STATION (LINE)	RELAYS	CONTACTS
1	R1 & Y1	6T
2	R1 & Y1	3T
3	R1 & Y1	3B
4	R1 & Y1	6B
5	R2 & Y2	6T
6	R2 & Y2	3T
7	R2 & Y2	3B
8	R2 & Y2	6B

4. METHOD

STEP	ACTION	VERIFICATION
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TO RESTORE THIS EQUIPMENT TO SERVICE at any step in the progress of the test, immediately remove all test connections and, if used, insulators from relay contacts, and then restore the LT key.

Note: Where an "audible only" signal indicator is provided disregard reference to lamps.

6	Operate LT (line test) key.	LT (line test) lamp lighted.
7	Operate Y key.	At station under test — Position 1 lamp (TEST signal), or Y lamp (yellow signal), lighted and ringer sounds.
8	Restore Y key.	At station under test — Position 1 lamp (TEST signal), or Y lamp (yellow signal), extinguished and ringer silenced.

STEP	ACTION	VERIFICATION
Γ 9	Operate B key.	At station under test — Position 2 lamp (ALERT signal), or B lamp (blue signal), lighted and ringer sounds.
10	Restore B key.	At station under test — Position 2 lamp (ALERT signal), or B lamp (blue signal), extinguished and ringer silenced.
11	Operate R key.	At station under test — Position 3 lamp (TAKE COVER signal), or R lamp (red signal), lighted and ringer sounds.
12	Restore R key.	At station under test — Position 3 lamp (TAKE COVER signal), or R lamp (red signal), extinguished and ringer silenced.
13	Operate W key.	At station under test — Position 4 lamp (optional signal), or W lamp (white signal), lighted and ringer sounds.
14	Restore W key.	At station under test — Position 4 lamp (optional signal), or W lamp (white signal), extinguished and ringer silenced.
L 15	Remove all test connections.	
16b	If testing 5- or 8-line unit — Remove insulators from contacts of relays associated with station under test.	
17	Restore LT key.	LT lamp extinguished.

WARNING: This key MUST be restored to normal position to restore the associated dial pulse receiving circuit to service.

TABLE C

Γ	Signal Indicator Set (Words and Digits)	
	1	TEST
	2	ALERT
	3	TAKE COVER
L	4	Optional
	Signal Indicator Set (Blue Used for ALERT Signal)	
	Y	Yellow Warning Signal
	B	Blue ALERT Signal
	R	Red TAKE COVER Signal
	W	White Warning Signal