

**SELECTIVE ROUTING CIRCUITS USED WITH DIRECT LINES  
ASSOCIATED WITH 520-TYPE PBX  
TESTS  
EMERGENCY REPORTING SYSTEM**

**1. GENERAL**

**1.01** This section describes a method of testing the selective routing circuits used on direct station lines to fire and police headquarters.

**1.02** The test checks the routing of a call to fire and police headquarters from the selective routing circuit location.

**1.03** The selective routing circuit is provided as a 5-circuit unit. The station loop terminals for the five circuits on a unit are; tip terminals 44, 45, 46, 47, and 48, and ring terminals 34, 35, 36, 37, and 38, respectively.

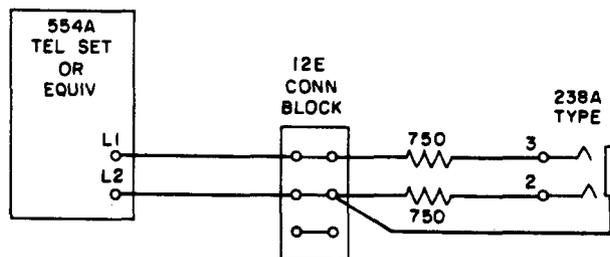
**1.04** The circuits on which this test is performed are part of a fire and police-emergency reporting system and precaution must be taken that service from station lines is not affected. If a station loop appears to be in the off-hook condition while the associated selective routing circuit is being tested, the test connection shall be removed immediately and remain disconnected until the line is again idle.

**1.05** If during the test a service call should come in to the switchboard or an alarm condition should occur, the test shall be discontinued until the call or alarm condition has been disposed of.

**2. APPARATUS**

**2.01** One No. 554A wall-type telephone set, two 750-ohm, 1-watt resistors, one No. 238A jack, and one No. 12E connecting block, or equivalent, assembled as shown in Fig. 1 and mounted on a board convenient for locating at the relay rack frame of the equipment.

**2.02** Testing cord, W3M cord, 6 feet long, equipped with a No. 310 plug and three 360-type tools (No. 3W4A cord), and three No. 419A test connector tools (for use in connecting test station to selective routing circuits).



**Fig. 1 - Test Station**

**3. METHOD**

STEP	ACTION	VERIFICATION
1	At test station — Connect plug of No. 3W4A cord to No. 238A jack.	
2	At selective routing unit — Connect tip and ring of No. 3W4A cord to circuit under test.	

**SECTION 067-304-501**

<b>STEP</b>	<b>ACTION</b>	<b>VERIFICATION</b>
<b>Call to Fire Headquarters</b>		
3	At test station — Remove handset from switchhook.  When attendant answers, tester should announce, "This is a test call," and request attendant to disconnect when release signal is received.	At fire headquarters — Attendant answers. Transmission satisfactory.
4	At test station — Replace handset on switchhook.	At fire headquarters — Release signal received.
<b>Call to Police Headquarters</b>		
5	At selective routing unit — Touch sleeve of No. 3W4A cord to ground terminal 11, remove test station handset from switchhook, and then remove sleeve from ground terminal.  When attendant answers, tester should announce, "This is a test call," and request attendant to disconnect when release signal is received.	At police headquarters — Attendant answers. Transmission satisfactory.
6	At test station — Replace handset on switchhook.	At police headquarters — Release signal received.
7	At selective routing unit — Remove tip and ring of No. 3W4A cord from circuit.	
8	Repeat Steps 2 through 7 for all assigned selective routing circuits.	Same as Steps 2 through 7.