

**ALARMS**  
**OPERATION TESTS**  
**755A PBX**

**1. GENERAL**

- 1.01 This section describes methods of testing the alarms in a No. 755A PBX
- 1.02 This section is reissued to specify a W1AF cord (190 ohms resistance) instead of a test receiver for testing fuse alarms and to revise the central office alarms to cover additional circuit arrangements.
- 1.03 The tests cover the operation of the alarm circuit when a fuse fails and the operation of the major alarm at the central office (when the alarm is extended to the central office).
- 1.04 When the PBX alarm is extended to the central office, call and notify the proper person at the central office before and after tests are made.

**2. APPARATUS**

- 2.01 No. 1011B Dial Hand Test Set (or equivalent).
- 2.02 Testing Cord—W1AF Cord, 8 feet, 6 inches long, equipped with one KS-6278 Clip and one No. 411A Tool (for use in connecting battery to alarm bars).
- 2.03 Testing Cord—W1U (or No. 760) Cord, 1 foot, 8 inches long (for use in strapping terminals).

**3. METHOD**

- 3.01 Before starting the test, observe that no alarm lamps are lighted.
- 3.02 When the PBX alarm is extended to the central office, establish a connection to an idle central office trunk at the equipment cabinet as follows: Connect the dial hand test set to the T and R terminals of an idle key station which is not restricted for outgoing trunk service. Next, strap the idle station G terminal and trunk terminal (1, 2, 3 or 4 depending on the trunk to be used) together. These terminals are located at the PBX
- 3.03 After these connections have been established, call the proper person at the central office and arrange to have the Class A (major) alarm observed at the central office.

- 3.04 Connect battery to the alarm bus-bar on the fuse panel.

Note: Do not use the fuse on the fuse panel designated "FA" for making this test as the alarm is not connected to this fuse.

- 3.05 Check that the (F) fuse alarm lamp on the fuse panel lights and when provided the alarm bell rings.
- 3.06 When provided, momentarily operate the (A) alarm key and check that the alarm bell is silenced and the (F) alarm lamp remains lighted.
- 3.07 When the PBX alarm is extended to the central office, have the central office attendant check that the red Class A (major) lamp is lighted at the central office and the alarm bell rings.
- 3.08 Have the central office attendant operate the associated PBX-A or DA key and check that the red Class A (major) lamp remains lighted and the alarm bell is silenced.
- 3.09 Remove the battery from the alarm bar and check that the (F) fuse alarm lamp on the fuse panel is extinguished.
- 3.10 Have the central office attendant check that the red Class A (major) lamp is extinguished, the white supervisory lamp is lighted and the alarm bell rings.
- 3.11 Have the central office attendant reoperate the PBX-A or DA key and check that the white supervisory lamp is extinguished and the alarm bell is silenced.
- Note: If the PBX is connected to a central office using alarm circuit SD-21482-01 the PBX-A or DA key will have to be restored to extinguish the supervisory lamp and silence the bell.
- 3.12 When a connection has been established to the central office, disconnect from the central office by removing the dial hand test set and strap from the terminals at the PBX used for this connection.

**4. REPORTS**

- 4.01 The required record of these tests should be entered on the proper form.