

ALARMS
OPERATION TESTS
755A PBX

1. GENERAL

- 1.01 This section describes methods of testing the alarms in a No. 755A P B X
- 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 P B X 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 P B X 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 P B X
- 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 P B X 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 P B X 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 P B X used for this connection.

4. REPORTS

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