

Dear Federal Warning Systems Valued Customer:

This notice is being sent to inform you that Federal Warning Systems is conducting a voluntary customer satisfaction program that affects the charger 8402B073C.

We have identified a batch of regulator chips, which may cause the charger voltage to drift.

Only the model DCFCTB, DCFCB or DCB series are affected. If you have one of these models, please follow the attached instruction IS052 on how to test. If the test passes then no action is required. If the test fails, please contact our Customer Care Department at 800-548-7229, and request the 2001141C board, in reference to service bulletin 52.

Federal Warning System is pleased to offer these improvements to you. We will do our best to provide the utmost customer service before, during, and after the sale. Federal Warning Systems is committed to providing you with the highest quality warning products in the industry.

Sincerely,

Greg Alcorn  
System Applications and Technical Support  
Federal Signal Corp-Public Safety Systems Division

**Charger 8402B073C Test for Service Bulletin IS052A**

- I. **Purpose:** The purpose of this document is to establish a written procedure for field testing the 8402B073C battery charger with the 254254B test fixture.
- II. **Qualifications:** A properly trained technician/electrician who is qualified to do maintenance.
- III. **Precautions:** Electrical and ESD precautions must be followed. Follow order of procedure, or the test is invalid. During activation, keep the battery cabinet door closed. Refer to battery manufacturer for battery safety procedures.
- IV. **Applicable Documents:**
  1. Manuals for the units, being tested.
- V. **Required Equipment:**
  1. Standard technician tool kit with a flat head and #2 Phillips screwdriver. Ratchet/socket set.
  2. Bucket Truck or Ladder may be needed to access the site.
  3. Voltmeter.
  4. Battery Charger Test Fixture 254254B
- VI. **Battery Charger Test:**
  1. Open the upper cabinet and ensure that the door stop is engaged.
  2. Turn off AC power to the cabinet.
  3. Disconnect charger plugs P1, P2, P3 and P4 from the wiring harness. Refer to Figure 1 for connector references.
  4. Plug the charger P1 connector into the test fixture.
  5. Power up the test fixture by plugging into 120VAC outlet. There is a 120VAC outlet in the battery cabinet.
  6. **CAUTION: If using the battery cabinet 120VAC power, then the AC power will need to be turned on to measure the output of the charger. Remove the AC power when disconnecting and connecting the charger connector plugs.**
  7. Measure the charger output voltage using a volt meter.
  8. Repeat the measurement for each of the remaining chargers.
  9. Record each charger output below.
    - i. Charger 1 \_\_\_\_\_ VDC
    - ii. Charger 2 \_\_\_\_\_ VDC
    - iii. Charger 3 \_\_\_\_\_ VDC
    - iv. Charger 4 \_\_\_\_\_ VDC
  10. Re-connect charger plugs P1, P2, P3 and P4 back into the wiring harness.
  11. The charger output voltages should be in the range of 13.5VDC to 13.8VDC.
  12. If the charger output is not in the specified range, then please contact our Customer Care Department at 800-548-7229, and request the 2001141C-01 board.

**Chargers**

