



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

# SAFO

Safety Alert for Operators

SAFO 09006  
DATE: 2/24/09

Flight Standards Service  
Washington, DC

**[http://www.faa.gov/other\\_visit/aviation\\_industry/airline\\_operators/airline\\_safety/safo](http://www.faa.gov/other_visit/aviation_industry/airline_operators/airline_safety/safo)**

*A SAFO contains important safety information and may include recommended action. SAFO content should be especially valuable to air carriers in meeting their statutory duty to provide service with the highest possible degree of safety in the public interest. Besides the specific action recommended in a SAFO, an alternative action may be as effective in addressing the safety issue named in the SAFO.*

**Subject:** Unapproved Passenger/Crew DC Outlets installed by Eagle Aviation, Inc., Repair Station Certificate No. FEHR859D

**Purpose:** This SAFO emphasizes the possibility that Passenger/Crew DC Outlets installed by Eagle Aviation, Inc., may be improperly installed, presenting a potential airworthiness hazard and should be disabled.

**Discussion:** Inspections of aircraft have shown improper installation of DC outlets for passenger/crew use. Eagle Aviation, Inc., of West Columbia, South Carolina, manufactured adapter cables that are required to connect to the DC outlet connector. The adapter cables consist of an amp style connector on one end and a cigarette lighter type receptacle to provide connection to a personal electronic device.

Airworthiness concerns are:

- Incorrect circuit breaker selection for the aircraft wiring and intended load.
- Potential for excessive current draw through the adapter cables.
- Lack of appropriate identification placards and/or limitations.
- Deficient approval basis and documentation of the fabricated adapter cables.

As of release of this SAFO, 10 aircraft were identified as having suspect outlet installations. Owners/operators of other aircraft which had DC outlets installed by Eagle Aviation, Inc., are cautioned that the installations may not meet airworthiness standards and should be disabled and not used until an airworthiness determination of the installation is made.

**Recommended Action:** Owners/operators of aircraft with DC outlet installations performed by Eagle Aviation, Inc., should immediately discontinue use of those outlets. The outlets should be disabled and appropriately placarded until an airworthiness determination by an appropriately certificated person is made. This determination should confirm the installation is approved and documents such approval, or determine the installation is not approved and correct the installation, or permanently deactivate or remove the DC outlet.

**Contact:** Direct any questions regarding this SAFO to your local Flight Standards District Office or the Aircraft Maintenance Division at (202)385-6435.