



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

Anchorage Flight Standards District Office

949 East 36 Ave, Suite 600
Anchorage, AK 99508

December 14, 2021

SUBJECT: Notification Letter for Wiring Issue STC2154AK

Grant Aviation Inc.



Anchorage, AK 99502

The notification letter is in regard to an aircraft that incorporated STC2154AK. The accident aircraft experienced an in-flight fire that originated under the floorboards. The pilot made a successful emergency landing and there were no injuries to the pilot or passengers. Post fire investigation revealed the improper installation of original CAPSTONE phase 1 equipment wiring installed under STC2154AK.

The purpose of this letter is to inform registered aircraft owners and operators of the need to inspect the area inside inspection panels from the rear door frame forward under the pilots and passengers floorboards at the next maintenance function, 100 hour, or Annual. Emphasis should be the wires in proximity to the fuel line passing through this area. The accident aircraft had wires secured across the fuel line that appear to have chaffed and caused arcing and a hole in the fuel line.

The accident aircraft that experienced the in-flight fire was a Cessna 207 operated in Alaska. It appears to have been caused by chafing of the CAPSTONE phase 1 equipment wiring due to not being secured correctly in the wire bundle. The investigation is ongoing and the root cause of this situation has not been determined. However, the preliminary information indicated that the fire could have been avoided if good wiring installation practices had been used. The original CAPSTONE equipment had been removed but the wiring remained and was reused for other equipment.

Records indicate there is over 200 aircraft that had the CAPSTONE phase 1 equipment installation under STC2154AK and therefore need to be inspected.

Photos attached below.



