

ALERT BULLETIN

AB 2022:3/3-3

1/28/2022

1851846

TO: Airbus Industries

INFO: FAA (AVP-1, AVP-200, AFS-200, AFS-100, AFS-280, AIR-720, AIR-360, SEA-AEG, AQS-230), A4A, ALPA, AOPA, APA, ASAP, ATSAP, ATSG, CAPA, IAM, AMFA, IBT, IATA, ICAO, ICASS, IFALPA, IPA, NATCA, NBAA, NTSB, RAA

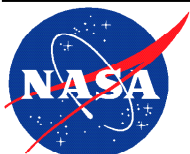
FROM: Becky L. Hooley, Director
NASA Aviation Safety Reporting System

SUBJ: A320 Avionics Vent Fan Blower Wiring Issues

We recently received ASRS reports describing a safety concern that may involve your area of operational responsibility. We do not have sufficient details to assess either the factual accuracy or possible gravity of the report. It is our policy to relay the reported information to the appropriate authority for evaluation and any necessary follow-up. We feel you should be aware of the following:

ASRS received a report from a Maintenance Technician who found evidence of arcing and fire damage to the avionics vent fan blower wiring. Reporter stated spattered metal and soot were found throughout the contactor box. Reporter stated it was his opinion that the wiring may be under-gauged from the manufacturer. Reporter further stated he has seen five aircraft with similar damage.

To properly assess the usefulness of our alert message service, we would appreciate it if you would take the time to give us your feedback on the value of the information that we have provided. Please contact Dr. Becky Hooley at (408) 541-2854 or email at becky.l.hooley@nasa.gov.



Aviation Safety Reporting System
P.O. Box 189 | Moffett Field, CA | 94035-0189



ACN 1851846

DATE / TIME

Date of Occurrence 202110
Local Time Of Day 1801 to 2400

PLACE

Locale ZZZ.Airport
State US
Altitude - AGL 0

ENVIRONMENT

Flight Conditions VMC

AIRCRAFT / EQUIPMENT X

Make Model Name A320
Operating Under FAR Part 121

COMPONENT 1

Aircraft Component Cooling Fan, any cooling fan

COMPONENT 2

Aircraft Component Electrical Wiring & Connectors

COMPONENT 3

Aircraft Component Electrical Distribution

PERSON 1

Function - Maintenance Technician
ASRS Report Number 1851846

EVENTS

Anomaly Aircraft Equipment Problem - Critical
Anomaly Flight Deck / Cabin / Aircraft Event - Smoke / Fire / Fumes / Odor
Anomaly Deviation / Discrepancy - Procedural - FAR
Anomaly Deviation / Discrepancy - Procedural - Maintenance
Anomaly Deviation / Discrepancy - Procedural - Published Material / Policy
Detector - Person Maintenance
Result - General Flight Cancelled / Delayed
Result - General Maintenance Action

NARRATIVE 1

Fan blower avionics vent 20HQ wiring and associated connector burnt. Connectors 358QF14 and 183QF14 were found burnt along with wiring between said connectors and blower fan control relay 8HQ. Spattered metal and soot found throughout contactor box 107VU126. This is my second aircraft to find this type of damage in the past 2-3 months. I believe this is occurring due to poor manufacture design of vent fan control system. Redesign of system.

CALLBACK 1

Reporter stated this involves A320 aircraft, and it's becoming a widespread issue. He stated they have now seen 5 aircraft with the same burned wiring, and it appears to him to be under-gauged wire spec from Airbus.

SYNOPSIS

Technician reported burnt wires and evidence of arcing and fire in circuits associated with the Avionics Vent Fan Blower. Reporter further stated he has now seen a total of five aircraft with similar damage.