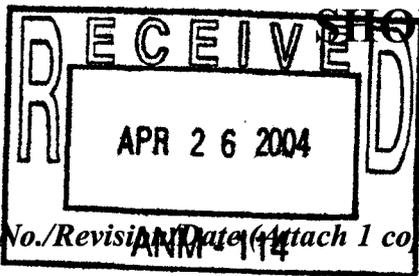


299314

Aircraft Certification Service

Hyperlinked AD Forms



SHORT' WORKSHEET

D. Rodina

DOCKET NUMBER: 2004-1190A
TECH WRITER:

FCAA AD No./Revision/Date (Attach 1 copy): French AD No F-2004-019 dated February 4, 2004

Manufacturer Service Information/Revision/Date (Attach 2 clean copies): Airbus Service Bulletin A320-24-1106 dated May 26, 2003, and Hamilton Sundstrand/Goodrich Service Bulletin 90EGS01AG-24-18 dated February 13, 2003

concurrent with 24-1082 D. Rodina

PROPOSED CORRESPONDING ACTION:

- | | |
|--|--|
| <input type="checkbox"/> Emergency AD | <i>Is this action one of the following?</i> |
| <input type="checkbox"/> Immediately Adopted AD | <input type="checkbox"/> Supersedure of AD (Docket No. _____) |
| <input checked="" type="checkbox"/> Notice of Proposed Rulemaking | <input type="checkbox"/> Revision of AD (Docket No. _____) |
| <input type="checkbox"/> Final rule after NPRM
<i>(If FRAN, complete Attachment A.)</i> | <input type="checkbox"/> Supplemental NPRM (Docket No. _____)
<i>(If any of the above is checked, complete Attachment B.)</i> |
| <input type="checkbox"/> Other (NFR/DFR) | <input type="checkbox"/> Scratch Criteria |

Project Engineer Name/Title: Tim Dulin, Aerospace Engineer
 Branch: ANM-116 Telephone: 425-227-2141
 Backup engineer: Dan Rodina Telephone: 425-227-2125

For each AD item numbered below, provide draft text and/or FCAA AD or SB references. WHERE POSSIBLE, answer items using markup of FCAA AD or SB, & mark with the AD item number.

1. Model, Applicability, # Airplanes (both U.S. & worldwide) - Refer to FCAA AD or SB; state any differences for the U.S. AD:

Airbus Model A319, A320, and A321 series airplanes equipped with Hamilton Sundstrand Auxiliary Power Unit (APU) Alternating Current Generator Part Numbers 5906732, 5909006, or 5910047 up to amendment 17, except for airplanes with Airbus Modification 32614 incorporated in production. (537 in US)

AD Summary and Discussion Sections:

2. What has the FCAA/mfgr told the FAA? *"The FCAA advises that ..."*
Describe background/events that prompted the AD in 1-2 sentences. Refer to FCAA AD or SB 'Reason.'

One operator reported an explosion in the APU compartment during passenger disembarking that blew open the APU compartment doors. The airplane tail cone structure and the left elevator surface were damaged. Subsequent investigation revealed that the explosion was caused by oil vapor leakage from the APU generator combined with arcing at the electrical receptical which ignited the vapor. The oil vapor leakage was caused by vibrations in the generaor which loosened the electrical receptable retaining bolts. There have been several cases where the APU electrical receptacle retaining bolts have lossened due to vibration.

3a. What is the unsafe condition AND its cause? *"These actions are intended to prevent..."*
Describe unsafe condition and its cause in 2-3 sentences (non-technical terms). Refer to FCAA AD or SB 'Reason.'

Oil vapor leakage from the APU generator

3b. What is the end-level effect on the airplane? *"...which could result in..."*
Provide a 1-sentence description; use non-technical terms.

A possible explosion in the APU compartment and damage to the airplane and/or persons or property on the ground

4. (Yes or No) Is the corrective action required in this AD considered to be interim action?

No

5. (Yes or No) Is this action considered sensitive, or is it related to a Safety Recommendation?
(If yes, state why sensitive, and/or provide copy of FAA/NSTB Safety Recommendation.)

No

6. AD Differences or Exceptions to Policy (if needed): "This AD differs from the FCAA AD..."

Check if: Flight with Cracks (exception to policy) ___; No Flight with Cracks ___; Mandate Term Action ___;
Not Mandating Term Action (exception to policy) ___; Contact Mgr, FAA ___; Compliance time ___;
Mandate AFM Action ___; Contact Mgr or FCAA ___
Describe any other differences between service bulletin (or exceptions to policy) and this proposed FAA AD.

None

AD Cost Impact Section:

7a. Work hours for corrective action(s) required: (List hours or reference SB 'Manpower').

6 workhours

7b. Parts Cost, if any: (List costs or reference SB 'Material - Cost and Availability').

FOC

AD Body Section:

For EACH corrective action, mark up FCAA AD or SB, if usable -OR- fill out Corrective Action Table below.

8a: Action # 1

What is the corrective action? Replace all 4 bolts Part Number 5907194 that retain the electrical receptacle of the APU generator by new bolts Part Number 5910191-30 with lock wire in accordance with Airbus Service Bulletin A320-24-1106 dated May 26, 2003.

What is its compliance time? 20 months per French AD + TD
(Add grace period if not available)

What is repetitive interval? N/A

8b: Action # 2

What is the corrective action?

What is its compliance time?
(Add grace period if not available)

What is repetitive interval?

9. (Yes or No) Should corrective action(s) required in this AD to be applied to spares as well?

Yes

10. Should a a ferry flight permitbe: Permitted ___ Permitted with limitations* ___ Prohibited
*List limitations.

11. Check the category that best describes the cause of the unsafe condition addressed by this AD:
 Design Problem ___ Unapproved Parts ___ Operational
 Maintenance ___ Quality Control Problem** ___ Other (specify):
**Reporting Reqt Needed? ___