



## Notification of a Proposal to issue an Airworthiness Directive

**PAD No.:** 23-008

**Issued:** 23 January 2023

Note: This Proposed Airworthiness Directive (PAD) is issued by EASA, acting in accordance with Regulation (EU) 2018/1139 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 129 of that Regulation.

In accordance with the EASA Continuing Airworthiness Procedures, the Executive Director is proposing the issuance of an EASA Airworthiness Directive (AD), applicable to the aeronautical product(s) identified below.

All interested persons may send their comments, referencing the PAD Number above, to the e-mail address specified in the 'Remarks' section, prior to the consultation date indicated.

**Design Approval Holder's Name:**

AIRBUS S.A.S.

**Type/Model designation(s):**

A330 and A340 aeroplanes

**Effective Date:** [TBD - standard: 14 days after AD issue date]

**TCDS Numbers:** EASA.A.004, EASA.A.0015

**Foreign AD:** Not applicable

**Supersedure:** None

### ATA 49 – Airborne Auxiliary Power – Auxiliary Power Unit Scroll Housing Assembly – Replacement

**Manufacturer(s):**

Airbus, formerly Airbus Industrie

**Applicability:**

Airbus A330-201, A330-202, A330-203, A330-223, A330-223F, A330-243, A330-243F, A330-301, A330-302, A330-303, A330-321, A330-322, A330-323, A330-341, A330-342 and A330-343 aeroplanes, all manufacturer serial numbers (MSN); and

Airbus A340-211, A340-212, A340-213, A340-311, A340-312 and A340-313 aeroplanes, all MSN.

**Definitions:**

For the purpose of this AD, the following definitions apply:

**The SB:** Honeywell Service Bulletin (SB) 5053-181-49-7895.

**Affected part:** Auxiliary Power Unit (APU) Scroll Housing Assemblies, having Part Number (P/N) 5053-181-001-501 or P/N 0331207990.



**SR-1 Affected Part:** An affected part marked with 'SR-1' near its P/N marking.

**Serviceable part:** APU Scroll Housing Assemblies, having P/N 5053-181-002-501 or P/N 5053-881-002-501.

**Affected APU:** Honeywell GTCP331-350[C] APUs that have an affected part installed.

**Serviceable APU:** Any Honeywell GTCP331-350[C] APU which is not an affected APU. The SB provides instructions to modify an affected APU into a serviceable APU.

**Groups:** Group 1 aeroplanes are those that have an affected part installed. Group 2 aeroplanes are those that do not have an affected part installed.

**Reason:**

Occurrences have been reported where cracks were found in the scroll housing assembly of GTCP331-350 APUs.

This condition, if not corrected, could lead to hot air leakage, with consequent damage to the APU compartment and loss of the APU doors, possibly resulting in damage to the aeroplane.

To address this potential unsafe condition, Honeywell issued the SB, providing instructions to replace the affected part with serviceable part, as defined in this AD.

For the reason described above, this AD requires replacement of affected APU with serviceable APU, and prohibits (re)installation of affected APU.

**Required Action(s) and Compliance Time(s):**

Required as indicated, unless accomplished previously:

**Modification:**

- (1) For Group 1 aeroplanes: Within 36 months after the effective date of this AD, replace the affected APU with a serviceable APU. This can be accomplished in accordance with the instructions of the applicable Airbus aircraft maintenance manual (AMM).
- (2) Re-identification of an SR-1 affected part on an aeroplane in accordance with the instructions of the SB is an acceptable method to comply with the requirements of paragraph (1) of this AD for that aeroplane.

**Part Installation:**

- (3) Do not install an affected APU on any aeroplane, as required by paragraph (3.1) or (3.2) of this AD, as applicable:
  - (3.1) For Group 1 aeroplanes: After modification of the aeroplane as required by paragraph (1) of this AD, or as specified in paragraph (2) of this AD, as applicable.
  - (3.2) For Group 2 aeroplanes: From the effective date of this AD.



**Ref. Publications:**

Honeywell SB 5053-181-49-7895 original issue dated 21 July 2006.

**Remarks:**

1. This Proposed AD will be closed for consultation on 20 February 2023.
2. Enquiries regarding this PAD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: [ADs@easa.europa.eu](mailto:ADs@easa.europa.eu).
3. Information about any failures, malfunctions, defects or other occurrences, which may be similar to the unsafe condition addressed by this PAD, and which may occur, or have occurred on a product, part or appliance not affected by this PAD, can be reported to the [EU aviation safety reporting system](#). This may include reporting on the same or similar components, other than those covered by the design to which this PAD applies, if the same unsafe condition can exist or may develop on an aircraft with those components installed. Such components may be installed under an FAA Parts Manufacturer Approval (PMA), Supplemental Type Certificate (STC) or other modification.
4. For any question concerning the technical content of the requirements in this PAD, please contact: AIRBUS – IIAL (Airworthiness Office), E-mail: [airworthiness.A330-A340@airbus.com](mailto:airworthiness.A330-A340@airbus.com).

