



## Airworthiness Directive

**AD No.:** 2016-0148

**Issued:** 22 July 2016

Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EC) 216/2008 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation.

This AD is issued in accordance with Regulation (EU) 748/2012, Part 21.A.3B. In accordance with Regulation (EU) 1321/2014 Annex I, Part M.A.301, the continuing airworthiness of an aircraft shall be ensured by accomplishing any applicable ADs. Consequently, no person may operate an aircraft to which an AD applies, except in accordance with the requirements of that AD, unless otherwise specified by the Agency [Regulation (EU) 1321/2014 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [Regulation (EC) 216/2008, Article 14(4) exemption].

**Design Approval Holder's Name:**

CEAPR

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

DR400 aeroplanes

**Effective Date:** 05 August 2016

**TCDS Number(s):** EASA.A.367

**Foreign AD:** Not Applicable

**Supersedure:** None

### ATA 71 – Powerplant – Engine-Heated Air Intake Duct – Inspection / Replacement

#### Manufacturer(s):

Centre est Aéronautique, Avions Pierre Robin, Robin Aviation, Constructions Aéronautiques de Bourgogne, APEX Industries, Robin Aircraft

#### Applicability:

DR400/120 aeroplanes, serial numbers (s/n) 2676 and 2685; and DR400/180, DR400/180R, DR400/120, DR400/120A and DR400/180S aeroplanes, all s/n, if equipped with engine-heated air intake duct Part Number (P/N) 71.26.51.025 delivered new with CEAPR EASA Form 1 N°1419796 or N°1523805 (including parts removed from a serviceable aeroplane between 17<sup>th</sup> of December 2014 and the effective date of this AD).

#### Reason:

A manufacturing defect was detected on the internal side of the engine-heated air intake duct P/N 71.26.51.025. The inner plastic film can come off the wall. It was determined that only specific batches of these parts are affected.

This condition, if not detected and corrected, could lead to an obstruction of the duct, possibly resulting in engine in-flight shut-down prompting an emergency landing, with consequent damage to the aeroplane and injury to occupants.

To address this potential unsafe condition, CEAPR published Service Bulletin (SB) N° 160301, providing inspection and replacement instructions.



For the reasons described above, this AD requires a one-time inspection of the affected air ducts and, depending on findings, replacement.

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

Required as indicated, unless accomplished previously:

- (1) Within 3 months or 110 flight hours, whichever occurs first after the effective date of this AD, inspect the inner plastic film of the engine heated air intake duct P/N 71.26.51.025 in accordance with the instructions of CEAPR SB N°160301.
- (2) If, during the inspection as required by paragraph (1) of this AD, any defect is found, such as peeled off areas, or detachment of the inner plastic film, before next flight, replace damaged part with a serviceable part in accordance with the instructions of CEAPR SB N°160301.
- (3) From the effective date of this AD, it is allowed to install on an aeroplane an engine heated air intake duct P/N 71.26.51.025, delivered with CEAPR EASA Form 1 N°1419796 or N°1523805, provided that, prior to installation, it has passed an inspection in accordance with the inspection instructions of CEAPR SB N°160301.

**Ref. Publications:**

CEAPR SB N°160301 original issue dated 29 March 2016.

The use of later approved revisions of this document is acceptable for compliance with the requirements of this AD.

**Remarks:**

1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD.
2. This AD was posted on 31 May 2016 as PAD 16-080 for consultation until 28 June 2016. No comments were received during the consultation period.
3. Enquiries regarding this AD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: [ADs@easa.europa.eu](mailto:ADs@easa.europa.eu).
4. For any question concerning the technical content of the requirements in this AD, please contact: CEAPR, Bureau de Navigabilité, 1 Route de Troyes – 21121 Darois, FRANCE  
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