



Airworthiness Directive

AD No.: 2020-0147

Issued: 02 July 2020

Note: This Airworthiness Directive (AD) 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.

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 (EU) 2018/1139, Article 71 exemption].

Design Approval Holder's Name:

CEAPR

Type/Model designation(s):

DR400 aeroplanes

Effective Date: 09 July 2020

TCDS Number(s): EASA.A.367

Foreign AD: Not applicable

Supersedure: None

ATA 76 – Engine Controls – Mixture Control Cable – Operational Restriction / Replacement

Manufacturer(s):

Robin Aircraft

Applicability:

DR 400/120, DR 400/140 B, DR 400/180 and DR 400/180 R aeroplanes (commercially known as "DR401"), serial number 2710, 2712, 2713, 2716, 2717, 2718, 2721, 2722 and 2723.

Definitions:

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

Affected part: Mixture control cables, having Part Number 57.18.52.020.

The SB: CEAPR Mandatory Service Bulletin (SB) N°200501.

Reason:

Occurrences were reported of uncripped cable sheaths, affecting a specific production batch of mixture control cables. Such an uncripped cable sheath could prevent regulating the fuel-air mixture.



This condition, if not corrected, could lead to loss of mixture control, possibly resulting in an engine in-flight shutdown with forced landing, with consequent damage to the aeroplane and injury to the occupants.

To address this potential unsafe condition, CEAPR published the SB to provide instructions to limit the mixture control use and to replace the affected parts.

For the reason described above, this AD requires implementation of an operational restriction by installation of a placard and amendment of the applicable Aircraft Flight Manual (AFM), and replacement of the affected parts with serviceable parts.

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

Required as indicated, unless accomplished previously:

Placard Installation:

- (1) Within 30 days after the effective date of this AD, install a new placard on the cockpit instrument panel, in full view of the pilot, and amend the applicable AFM, describing the operational restriction of the mixture control use, in accordance with the instructions of section 10 of the SB, inform all pilots and, thereafter, operate the aeroplane accordingly. Amending the applicable AFM can be accomplished by inserting a copy of section 10 of the SB into the AFM Limitations section.

Replacement:

- (2) During the next scheduled 50 flight hours (FH) check, or the next scheduled 100 FH / annual check, whichever occurs first after the effective date of this AD, replace the affected part with a serviceable part in accordance with the instructions of section 11 of the SB.

Removal of Placard and Operational Restriction:

- (3) After replacement of the affected part on an aeroplane, as required by paragraph (2) of this AD, the placard and AFM change as required by paragraph (1) of this AD can be removed from that aeroplane.

Ref. Publications:

CEAPR Mandatory SB N°200501 published on 12 June 2020, and Revision 1 published on 24 June 2020.

The use of later approved revisions of the above-mentioned 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. Based on the required actions and the compliance time, EASA have decided to issue a Final AD with Request for Comments, postponing the public consultation process until after publication.



3. Enquiries regarding this AD should be referred to the EASA Programming and Continued Airworthiness Information Section, Certification Directorate. E-mail: ADs@easa.europa.eu.
4. Information about any failures, malfunctions, defects or other occurrences, which may be similar to the unsafe condition addressed by this AD, and which may occur, or have occurred on a product, part or appliance not affected by this AD, can be reported to the [EU aviation safety reporting system](#).
5. 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, Telephone: +33 (3) 80 35 25 22, E-mail: info@ceapr.com, Website: www.ceapr.com, section “My question” and then “I have a question about airworthiness”.

