



Airworthiness Directive

AD No.: 2019-0149

Issued: 24 June 2019

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 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: LEONARDO S.p.A.
Type/Model designation(s): AB139 and AW139 helicopters

Effective Date: 01 July 2019

TCDS Number(s): EASA.R.006

Foreign AD: Not applicable

Supersedure: None

ATA 71 – Powerplant – Engine Mounting Rods – Replacement

Manufacturer(s):

Leonardo S.p.A. Helicopters, formerly Finmeccanica S.p.A, AgustaWestland S.p.A., Agusta S.p.A.; and AgustaWestland Philadelphia Corporation, formerly Agusta Aerospace Corporation

Applicability:

AB139 and AW139 helicopters, all serial numbers (s/n).

Definitions:

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

Affected part: Engine mounting rods, having Part Number (P/N) 3G7120V00132 and having an s/n listed in Figures 2 and 3 of the SB.

Serviceable part: Any engine mounting rod that is not an affected part.

The SB: Leonardo Alert Service Bulletin (SB) 139-593.

Reason:

A production non-conformity has been reported on a specific batch of engine mounting rods P/N 3G7120V00132. This non-conformity degrades the material strength of the mounting rods.



This condition, if not corrected, could lead to failure of the rod, possibly resulting in loss of control of the helicopter.

To address this potential unsafe condition, Leonardo issued the SB with instructions for the replacement of the affected parts.

For the reason described above, this AD requires removal from service of each affected part, and replacement with a serviceable part.

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

Required as indicated, unless accomplished previously:

Replacement:

- (1) Within the compliance time specified in Table 1 of this AD, as applicable, remove each affected part from service and replace it with a serviceable part in accordance with the instructions of the SB.

Table 1 – Engine Mounting Rod Replacement (see Note 1 of this AD)

| Flight Hours (FH) accumulated | Compliance Time |
|-------------------------------|--|
| Less than 200 FH | Within 25 FH after exceeding 200 FH |
| 200 FH or more | Within 25 FH after the effective date of this AD |

Note 1: Unless specified otherwise, the FH indicated in Table 1 of this AD are those accumulated by the affected part, on the effective date of this AD, since its first installation on a helicopter.

Part Installation:

- (2) From the effective date of this AD, do not install an affected part on any helicopter.

Ref. Publications:

Leonardo S.p.A. Helicopters SB 139-593 original issue dated 11 June 2019, or Revision A dated 14 June 2019.

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: Leonardo S.p.A. Helicopters. E-mail: cse.aw139.AW@leonardocompany.com.

