



Airworthiness Directive

AD No.: 2016-0117

Issued: 17 June 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:

FINMECCANICA S.p.A.

Type/Model designation(s):

AB206 helicopters

Effective Date: 01 July 2016

TCDS Number(s): EASA.R.140

Foreign AD: Not applicable

Supersedure: None

ATA 63 – Main Rotor Drive – Freewheel Lubrication System – Inspection / Cleaning / Modification

Manufacturer(s):

Agusta S.p.A. (formerly Costruzioni Aeronautiche G. Agusta S.p.A.)

Applicability:

AB206A and AB206B helicopters, all serial numbers.

Reason:

Occurrences were reported of blockage of the restrictor installed in the oil supply line of the freewheel assembly on Bell Helicopter Textron Canada (BHTC) 206 helicopters. Presence of debris in the restrictor orifice could affect the freewheel lubrication. To address this issue, Transport Canada, the primary certification authority for the BHTC 206 helicopter, recently issued AD CF-2016-13, which was adopted by EASA.

An occurrence of finding debris in the restrictor was also reported on an AB206 helicopter, having a freewheel installation design very similar to that on the BHTC 206 helicopters.

This condition, if not detected and corrected, could lead to internal damage of the freewheel assembly, possibly resulting in reduced control of the helicopter.



To address this potential unsafe condition, Agusta Westland (AW) issued BT 206-251, later revised as Finmeccanica Helicopter Division (FHD) BT 206-251 Revision (Rev.) A, providing instructions to prevent these occurrences.

For the reason described above, this AD requires repetitive inspections and cleaning of the freewheel assembly oil supply line. This AD also requires, for certain helicopters, a modification of the freewheel oil supply system, replacing the reducer with a filter.

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

Required as indicated, unless accomplished previously:

- (1) **Repetitive Inspections / Cleaning:** Within 100 flight hours (FH) or 6 months, whichever occurs first after the effective date of this AD, and, thereafter, at intervals not to exceed 100 FH or 12 months, whichever occurs first, inspect and clean the freewheel oil supply line in accordance with the instructions of Part I of BT 206-251 Rev. A.
- (2) **Modification:** For helicopters having serial number up to 8570 inclusive and not embodying the Costruzioni Aeronautiche Giovanni Agusta BT 206-151: Within 100 FH or 6 months, whichever occurs first after the effective date of this AD, modify the freewheel oil supply system in accordance with the instructions of Part II of FHD BT 206-251 Rev. A.
- (3) **Corrective Action(s):** If, during any inspection as required by paragraph (1) of this AD, any restrictor or filter is found clogged or contaminated by debris, before next flight, accomplish the applicable corrective action(s) in accordance with the instructions of Part I of FHD BT 206-251 Rev. A.
- (4) Modification of a helicopter, as required by paragraph (2) of this AD, or accomplishment of corrective action(s) on a helicopter, as required by paragraph (3) of this AD, does not constitute terminating action for the repetitive inspections as required by paragraph (1) of this AD for that helicopter.

Ref. Publications:

Costruzioni Aeronautiche Giovanni Agusta BT 206-151, original issue, dated 18 August 1982.

FHD BT 206-251 Rev. A, dated 11 May 2016.

The use of later approved revisions of these documents 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 17 May 2016 as PAD 16-074 for consultation until 14 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.
4. For any question concerning the technical content of the requirements in this AD, please contact: Finmeccanica Helicopter Division, Customer Support & Services Product Support Engineering DPT, via Giovanni Agusta 520, 21017 Cascina Costa di Samarate (VA) – Italy
Tel.: +39 0331 711439, Fax: +39 0331 225988,
E-mail: absereng.AW@finmeccanica.com.

Superseded

