



# AIRWORTHINESS DIRECTIVE

*This Airworthiness Directive (AD) is issued pursuant to Canadian Aviation Regulation (CAR) 521.427. No person shall conduct a take-off or permit a take-off to be conducted in an aircraft that is in their legal custody and control, unless the requirements of CAR 605.84 pertaining to ADs are met. Standard 625 - Aircraft Equipment and Maintenance Standards Appendix H provides information concerning alternative means of compliance (AMOC) to ADs.*

**Number:**

CF-1997-18R1

**Effective Date:**

26 March 2018

**ATA:**

62

**Type Certificate:**

H-79

**Subject:**

Main Rotor System – Cracking of Rotor Mast

**Cancellation:**

Cancels AD CF-97-18, issued 14 November 1997.

**Applicability:**

Airbus Helicopters Deutschland GmbH (formerly Eurocopter) model BO105 LS A-3 helicopters, all serial numbers.

**Compliance:**

Not applicable.

**Background:**

Cracks of critical magnitude were found on the main rotor mast flange of a model BO105 helicopter. Pending further corrective action, a repetitive visual inspection for cracks was mandated by the civil aviation authority for the state of design of the BO-105, the Luftfahrt-Bundesamt, with AD 97-276.

Because of mast similarity, the same inspection was mandated on Eurocopter Canada model BO105 LS A-3 helicopters by the initial issue of this AD. At the time, Transport Canada had responsibility for this model of helicopter. The Canadian Type Certificate, H-94, was transferred to the European Aviation Safety Agency in 2009.

Airbus Helicopters has recently concluded that the main rotor mast part numbers that are approved for installation on the model BO105 LS A-3 helicopter are not vulnerable to cracking. Airbus Helicopters has cancelled/withdrawn Alert Service Bulletin (ASB) BO105 LS-10-9. That ASB provided instructions for inspections of the main rotor mast flange. For that reason the recurring magnified visual inspections of the mast that were specified by the original issue of this AD are no longer required. Therefore, we are cancelling this AD by issuing this revision.

**Corrective Actions:**

Not applicable.

**Authorization:**

For the Minister of Transport,

*ORIGINAL SIGNED BY*

Rémy Knoerr

Chief, Continuing Airworthiness

Issued on 12 March 2018

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