

2010-02-01 Turbomeca S.A.: Amendment 39-16172: Docket No. FAA-2009-0503; Directorate Identifier 2009-NE-12-AD.

Effective Date

(a) This airworthiness directive (AD) becomes effective February 18, 2010.

Affected ADs

(b) None.

Applicability

(c) This AD applies to Turbomeca Arriel 1B, 1D, and 1D1 turboshaft engines. These engines are installed on, but not limited to, Eurocopter France AS350B, AS350BA, AS350B1, and AS350B2 helicopters.

Reason

(d) This AD results from several events of rupture of the Arriel 1 reduction gear box intermediate pinions. We are issuing this AD to prevent the rupture of the reduction gear box intermediate pinion, which could result in an overspeed of the power turbine, an uncommanded in-flight shutdown of the engine, and an emergency autorotation landing.

Actions and Compliance

(e) Unless already done, do the following actions.

(f) No later than 28 February 2011, replace the Reduction Gear Box Intermediate Pinions (P/N 0 292 70 779 0) with Pinions incorporating Turboméca modification TU 232 in accordance with Turboméca Mandatory Service Bulletin 292 72 0276 Version B dated 06 November 2008.

FAA AD Differences

(g) None.

(h) Alternative Methods of Compliance (AMOCs): The Manager, Engine Certification Office, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19.

Related Information

(i) Refer to MCAI EASA Airworthiness Directive 2009-0002, dated January 7, 2009, for related information.

(j) Contact James Lawrence, Aerospace Engineer, Engine Certification Office, FAA, Engine and Propeller Directorate, 12 New England Executive Park, Burlington, MA 01803; e-mail: james.lawrence@faa.gov; telephone (781) 238-7176; fax (781) 238-7199, for more information about this AD.

Material Incorporated by Reference

(k) You must use Turbomeca Mandatory Service Bulletin No. 292 72 0276, Version B, dated November 6, 2008, to do the actions required by this AD, unless the AD specifies otherwise.

(1) The Director of the Federal Register approved the incorporation by reference of this service information under 5 U.S.C. 552(a) and 1 CFR part 51.

(2) For service information identified in this AD, contact Turbomeca, 40220 Tarnos, France; telephone: 33 05 59 74 40 00; fax: 33 05 59 74 45 15, or go to: <http://www.turbomeca-support.com>.

(3) You may review copies at the FAA, New England Region, 12 New England Executive Park, Burlington, MA; or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call (202) 741-6030, or go to: <http://www.archives.gov/federal-register/cfr/ibr-locations.html>.