

PŘÍKAZ K ZACHOVÁNÍ LETOVÉ ZPŮSOBILOSTI

CAA-AD-T-087/2001

Datum vydání: 08. října 2001

MOTOR - PŘETOČENÍ MOTORU - KONTROLA/VÝMĚNA

Týká se: turbohřídelových motorů 250-C20, -C20B, -C20F, -C20R, -C20R/1, -C20R/2, -C20S, -C20W a turbopropových motorů 250-B17, -B17C, -B17D, -B17E, -B17F, -B17F/1, B17F/2, vyrobených firmou Rolls-Royce Corporation (dříve Allison Engine Company). Tyto motory mohou být nainstalovány na následujících letadlech ale nejen na těchto: Aerospatiale AS355; Agusta A109; A109A, A109C; Bell 206B, 206L, 206LT; Enstrom TH28; McDonnell Douglas 500C, 500D, 500E, 520N; Rogerson-Hiller FH1100; Schweizer TH330; Soloy Conversions Bell 47/47G, Hiller UH-12; American Jet Industries/Cessna 402, 414; and ASTA/GAF Nomad N-22.

Důvod vydání: zabránit možnosti uvolnění a utržení lopatek výkonové turbíny a částí rotorového disku v důsledku přetočení motoru. Což může vést k zastavení motoru, následně k jeho požáru a poškození letadla.

Datum účinnosti: ihned po obdržení

Provést v termínech: Jak je popsáno v FAA Emergency AD 2001-20-51 od data účinnosti tohoto PZZ.

Postup provedení prací: Dle FAA Emergency AD 2001-20-51 (příloha tohoto PZZ).

Poznámky: Provedení tohoto PZZ musí být zapsáno do motorové knihy. Případné dotazy týkající se tohoto PZZ adresujte na ÚCL technický inspektorát – Ing. Beneš. Pokud to vyžaduje povaha tohoto PZZ, musí být zapracován do příslušné části dokumentace pro obsluhu, údržbu a opravy letadla. Tento PZZ byl vypracován na základě FAA Emergency AD 2001-20-51.

Ing. Pavel MATOUŠEK

Ředitel technického inspektorátu

Úřad pro civilní letectví

2001-20-51 Rolls-Royce Corporation (formerly Allison Engine Company): Docket No. 2001-NE-38-AD

Applicability

This airworthiness directive (AD) is applicable to Rolls-Royce Corporation (formerly Allison Engine Company) models 250-C20, -C20B, -C20F, -C20R, -C20R/1, -C20R/2, -C20S, and -C20W turboshaft engines, and 250-B17, -B17C, -B17D, -B17E, -B17F, -B17F/1, and -B17F/2 turboprop engines. These engines are installed on, but not limited to, Aerospatiale AS355; Agusta A109; A109A, A109C; Bell 206B, 206L, 206LT; Enstrom TH28; McDonnell Douglas 500C, 500D, 500E, 520N; Rogerson-Hiller FH1100; Schweizer TH330; Soloy Conversions Bell 47/47G, Hiller UH-12; American Jet Industries/Cessna 402, 414; and ASTA/GAF Nomad N-22 aircraft.

Note 1: This airworthiness directive (AD) applies to each engine identified in the preceding applicability provision, regardless of whether it has been modified, altered, or repaired in the area subject to the requirements of this AD. For engines that have been modified, altered, or repaired so that the performance of the requirements of this AD is affected, the owner/operator must request approval for an alternative method of compliance in accordance with paragraph (d) of this AD. The request should include an assessment of the effect of the modification, alteration, or repair on the

unsafe condition addressed by this AD; and, if the unsafe condition has not been eliminated, the request should include specific proposed actions to address it.

Compliance: Required as indicated, unless already done.

To prevent uncontained release of power turbine blades and disk fragments caused by engine overspeed, resulting in an uncommanded engine shutdown, engine fire, and damage to the aircraft, do the following:

(a) Before further flight, remove helical torque-meter gearshaft assemblies P/N's 23035299 and 23038191 that have accumulated 100 hours or less time-since-new (TSN). Replace with a serviceable helical torque-meter gearshaft assembly.

(b) After the receipt of this AD, do not install any helical torque-meter gearshaft assembly P/N 23035299 or 23038191 that has accumulated 100 hours or less TSN.

Definition

(c) For the purposes of this AD, the following helical torque-meter gearshaft assemblies are considered serviceable parts:

1. P/N's 23035299 and 23038191 that have greater than 100 hours TSN.
2. An assembly with a P/N other than P/N's 23035299 and 23038191.

Alternative Methods of Compliance

(d) An alternative method of compliance or adjustment of the compliance time that provides an acceptable level of safety may be used if approved by the Manager, Certification Office. Operators shall submit their requests through an appropriate FAA Maintenance Inspector, who may add comments and then send it to the Manager, Certification Office.

Note 2: Information concerning the existence of approved alternative methods of compliance with this airworthiness directive, if any, may be obtained from the Chicago Aircraft Certification Office.

Special Flight Permits

(e) Special flight permits may be issued in accordance with sections 21.197 and 21.199 of the Federal Aviation Regulations (14 CFR 21.197 and 21.199) to operate the aircraft to a location where the requirements of this AD can be accomplished.

(f) **Emergency AD 2001-20-51, issued October 3, 2001, becomes effective upon receipt.**

FOR FURTHER INFORMATION CONTACT:

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Issued in Burlington, Massachusetts on October 3, 2001.

Mark C. Fulmer,

*Acting Manager, Engine and Propeller Directorate,
Aircraft Certification Service.*