

Sektion 2. Utlandstillverkad flygmateriel

TITEL: Modifiering av frihjulets axelenhet

GÄLLER: Turbomeca Arriel 1B, 1D och 1D1 installerade i helikoptrar
Aerospatiale AS350.

ÅTGÄRD: För att undvika felaktig frihjulsfunktion utför åtgärder i enlighet med
bifogad kopia av DGAC AD 90-105(B)R1.

**TID FÖR
ÅTGÄRD:** Före flygning.

UNDERLAG: Modifiering TURBOMECA TU 211 (TURBOMECA Service ARRIEL
72-292-0140) eller modifiering TU 212 (TURBOMECA Service
ARRIEL 72-292-0141).

REFERENS: DGAC AD 90-105(B)R1.

**UTGIVNINGS-
DATUM:** 1991-11-07

LFS: 1991:29

Åtgärd enligt LVD utgör nödvändig förutsättning för ifrågavarande flygmateriels luftvärdighet. Referens BCL M 1.11.
Anteckning om åtgärd, som vidtagits i enlighet med LVD, skall införas i teknisk journal för berörd flygmateriel med
hänvisning till ifrågavarande LVD-nummer. Angivet underlag refererar till senaste gällande revision/utgåva. LVD utges
i luftfartsverkets författningssamlingar LFS.

BUREAU VERITAS

AIRWORTHINESS DIRECTIVE

released by DIRECTION GENERALE DE L'AVIATION CIVILE

Inspections and/or modifications described below are mandatory. No person may operate a product to which this Airworthiness Directive applies except in accordance with the requirements of this Airworthiness Directive

Translation of 'Consigne de Navigabilité'
Réf.: 90-105(B)R1

In case of any difficulty, reference should
be made to the French original issue.

Turbo-Shaft engines TURBOMECA ARRIEL 1**Free wheel**

This Airworthiness Directive is applicable to Turbo-shaft engines TURBOMECA ARRIEL 1B, 1D and 1D1 (installed on single engine helicopters AEROSPATIALE AS 350).

A/ Following some incidents of free wheel creeping resulting either in sudden yaw jerks when resynchronizations are delayed, or in landing without power, the following restrictions are applicable to engines equipped with free wheel shaft assemblies with serial numbers :

- higher than 793 inclusive, or
 - lower than 793 if the equipment Log Card shows factory (engine manufacturer) intervention or work (performed by an approved agent), since 1/10/88 (for serial numbers, see equipment Log Card and engine log book section "C",) :
- 1) Autorotation training without shutting down the engine is prohibited.
 - 2) Deliberate desynchronizations of the engine (torque less than 10 per cent) are prohibited.
 - 3) For autorotation training flights operate under the conditional revisions n° RCa AS 350 B, AS 350 B1 and AS 350 B2.

B/ Modify as soon as possible or by October 31, 1990, the free wheel shaft assemblies concerned by paragraph A above, in accordance with either the modification TURBOMECA TU 211 (see TURBOMECA Service ARRIEL 72-292-0140) or the modification TU 212 (see TURBOMECA Service ARRIEL 72-292-0141).

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e/E

July 18, 1990

Turbo-Shaft engines
TURBOMECA ARRIEL 1

90-105(B)R1

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After modification TU 211 or TU 212, the requirements of paragraph A of this AD are no longer applicable.

- C/ Helicopters powered by engines equipped with free wheel shaft assemblies with serial numbers lower than 793 and which have not undergone factory (engine manufacturer) intervention or repair work (by an approved repair agent) since 1/10/88 (see equipment Log Card) are not subject to the restrictions of use stipulated in paragraph A of this Airworthiness Directive.

Cf. : TURBOMECA Service ARRIEL 72-292.0140
72-292-0141

This revision 1 cancels and replaces the original AD 90-105(B) dated May 30, 1990.

EFFECTIVE DATE : 28 JUILLET 1990