

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.: 91-081-040(B)R1

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

ATR 42 aircraft all series

Main landing gear

This Airworthiness Directive applies to ATR 42 aircraft series 200 and 300 whose main landing gears have accumulated more than 6 000 cycles on April 1, 1991.

In order to prevent failure of the main landing gear wheel axle, the following steps are made mandatory :

A/ Before May 1, 1991 for main landing gears that have accumulated more than 10 000 cycles as of April 1, 1991 ; before July 1, 1991 for main landing gears that have accumulated more than 8 000 cycles as of April 1, 1991 ; before August 1, 1991 for main landing gears that have accumulated more than 6 000 cycles as of April 1, 1991 :

- Perform a boroscope inspection of the wheel axle at the jacking dome hole level following the instructions of S.B. ATR 42-32-0038 R1.

B/ If the boroscope inspection reveals the presence of corrosion, perform an eddy current inspection of the incriminated area following the instructions of S.B. ATR 42-32-0038 R1.

- 1 - If no crack is detected, change the landing gear swinging lever assembly before 50 landings have been performed.
- 2 - If a crack is detected, change the landing gear swinging lever assembly before any additional flight.

June 6, 1991

ATR 42 aircraft all series

91-081-040(B)R1

C/ If the boroscope inspection of the wheel axle does not reveal the presence of corrosion, no further action is required under this Airworthiness Directive.

Ref. : S.B. ATR 42-32-0038 R1
S.B. MESSIER BUGATTI 631-32-071 R1

The present R1 cancels and replaces the original AD 91-081-040(B) dated April 17, 1991.

EFFECTIVE DATE : UPON RECEIPT