

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.: 90-109-029(B)
In case of any difficulty, reference should
be made to the French original issue.

ATR 42 aircraft

Main frames

This Airworthiness instruction applies to ATR 42 aircraft, all types, serial number 168 to 181.

As a result of cracks observed on blank forgings used for manufacturing main frames 25 and 27, the following steps are made mandatory :

- As soon as possible and, in any any case, before 250 flight hours, inspect both sides of the web of main frames 25 and 27 (on the right and left sides) between stringers 6 and 7, following the instructions of Service Bulletin ATR 42-53-0057.
- A/ If no crack is detected, no further action is required, in addition to the one described in ATR 42 MPD.
- B/ Should a crack be detected :
 - 1) If its length is less than 51 mm (2 inches)
 - a) Before any further flight, stop the crack by complying with the indications of Service Bulletin ATR 42-53-0057.
 - b) Before 425 additional flight hours at the latest, apply repair P/N 15 S 535 R 00 38 defined by the manufacturer.
 - 2) If the length of the crack is higher than 51 mm (2 inches), before any additional flight, apply repair P/N 15 S 535 R 00 38 defined by the manufacturer.

Ref. :Service Bulletin ATR 42-53-0057.

EFFECTIVE DATE : JUNE 23, 1990

June, 13,1990

ATR 42 aircraft

90-109-029(B)