

BUREAU VERITAS

AIRWORTHINESS DIRECTIVE

released by Direction Générale 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. : 87-046-006 (B) R1
In case of any difficulty, reference should
be made to the French original issue.

ATR 42 aircraft

Attitude and heading system

This Airworthiness Directive applies to ATR 42-200 and ATR 42-300 aircraft, all serial numbers.

It results from in flight incidents where primary informations of attitude and heading on both sides froze without warning. This situation is a consequence of the susceptibility of attitude and heading reference (AHRU SPERRY AH-600) to spurious signals ASCB bus.

The AHRU SPERRY Part Numbers concerned are :

700 3360-902 (AB), 700 3360 922 (AB),
700 3360-902 (AC), 700 3360 922 (AC),
700 3360-924.

A/ - To prevent this situation to occur, accomplish the following :

1/ - Within 21 days after the date of March 23th, 1987 :

1.1/ - First assure that ATR Service Bulletin ATR 42 34-0004 or ATR modification 1071 that install symbol generator units P/N 7004544-411-(U) is applied.

1.2/ - Then disconnect AHRU 1 (pilot side) from ASCB bus in accordance with ATR Service ATR 42 34-A0016, unless the equivalent ATR 42 modification 1397 has been applied before delivery.

2/ - Following the application of Service Bulletin ATR 42 34-A0016, the minimum height for use of autopilot becomes 200 ft. CAT.II operations are temporarily forbidden.

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Date : 10/06/87

ATR 42 aircraft

Ref. : 87-046-005(B)R1

This may be accomplished by including a copy of this Airworthiness Directive in the Aircraft Flight Manual pending the receipt of temporary revision 6 to D.G.A.C. Approved AFM issued by the Manufacturer.

- B/ - The appliance of Service Bulletin ATR 42-34-0018 (modification 1466) allows to remove all temporary limitations of paragraph A (2) above.

This Service Bulletin consists in :

- installing a SPERRY AHRU, part number 700 3360 934,
- reconnecting the AHRU 1 (pilot side) to ASCB bus.

Cf. : B.S. ATR 42 34-0004 - February 1987
B.S. ATR 42 34-A0016 - March 1987
B.S. ATR 42 34-0018 - May 1987

The text of revision 1 of the Airworthiness Directive n° 87-046-005(B) replaces the text of the original issue, April 1st, 1987.

EFFECTIVE DATE : June 20th, 1987