

AIRWORTHINESS DIRECTIVE

released by DIRECTION GENERALE DE L'AVIATION CIVILE

Inspection 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' ref. : 91-272-023(B) R2
In case of any difficulty, reference should be made to the French original issue.

AIRBUS INDUSTRIE

A320 Aircraft

Elevator servocontrols

The present Airworthiness Directive applies to A320 AIRBUS INDUSTRIE aircraft, all models without AIRBUS INDUSTRIE modifications 22717 and 22932 embodied in production line.

In order to prevent in flight elevator vibration, the following measures are rendered mandatory :

- Before next flight in case significant vibration is felt on the rear part of the cabin, or at the next scheduled maintenance check, but no later than 3500 flight hours after the effective date of this Airworthiness Directive :

1/ Measure elevators deflection as per AIRBUS INDUSTRIE Service Bulletin A320-27-1043 Revision 1.

2/ For aircraft which have not incorporated AIRBUS INDUSTRIE Service Bulletin A320-27-1048 :

- a)** If measured deflection is less or equal to 4 mm, perform further measurements at intervals not exceeding 350 flight hours.
- b)** If measured deflection is greater than 4 mm but less or equal to 10 mm, perform further measurements at intervals not exceeding one week.
- c)** If measured deflection is greater than 10 mm but less or equal to 15 mm, perform a daily measurement till accomplishment within next 50 flight hours of AIRBUS INDUSTRIE Service Bulletin A320-27-1048.
- d)** If measured deflection is greater than 15 mm, accomplish AIRBUS INDUSTRIE Service Bulletin A320-27-1048 before next flight and replace worn parts.

3/ For aircraft which have incorporated AIRBUS INDUSTRIE Service Bulletin A320-27-1048 :

- a)** If the last measured deflection is less or equal to 4 mm, refer to M.P.D. task 273400-02-1 for next inspections.
- b)** If the last measured deflection is greater than 4 mm but less or equal to 10 mm, perform a new deflection measurement 3 500 flight hours(a 350 flight hours tolerance is admitted) after application of AIRBUS INDUSTRIE Service Bulletin A320-27-1048 and refer to M.P.D. task 273400-02-1 for next inspections.

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May 26, 1993

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A320 Aircraft

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4/ For aircraft having accomplished paragraphs 2.B.(2), (3) and (4) of AIRBUS INDUSTRIE Service Bulletin A320-27-1043 original issue dated October 7, 1991 for which :

- servocontrol bearings breakaway torque values are within given tolerances
- actuator attachment bolts re-tightening within given tolerances are applied,

no repetitive deflection measure is requested provided :

- accomplishment of AIRBUS INDUSTRIE Service Bulletin A320-55-1015 revision 1,

and

- re-identification of elevator servocontrol as per AIRBUS INDUSTRIE Service Bulletin A320-27-1048 paragraph 2.B.(3)

are performed at the next schedule maintenance check but not later than 3500 flight hours after December 5, 1992.

Accomplishment of these steps is equivalent to accomplishment of AIRBUS INDUSTRIE Service Bulletin A320-27-1048.

NOTE : The next deflection measure is defined by paragraph 2.A.(3) of AIRBUS INDUSTRIE Service Bulletin A320-27-1043 revision 1 since the last measured deflection.

Ref. : - M.P.D. task 273400-02-1
- AIRBUS INDUSTRIE Service Bulletins :
A320-27-1043 Revision 1 (or any further approved revision)
A320-27-1048 (or any further approved revision)
A320-55-1015 revision 1 (or any further approved revision)

The present Revision 2 replaces AD 91-272-023(B)R1 dated November 25, 1992.

EFFECTIVE DATES :

Original issue : JANUARY 3, 1992
Revision 1 : DECEMBER 5, 1992
Revision 2 : JUNE 5, 1993