

# AIRWORTHINESS DIRECTIVE

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*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. : 2001-518(B)  
In case of any difficulty, reference should be made to the French original issue.

## AIRBUS INDUSTRIE

### A330 aircraft

Inspection and replacement of "SAMM" elevator servo-control (ATA 27)

#### APPLICABILITY:

AIRBUS INDUSTRIE A330 aircraft, models -202, -223, -243, -301, -321, -322, -323, -341, -342 and -343, all serial numbers, fitted with "SAMM" elevator servo-control (SC) with Part Number SC4800-2 to SC4800-7 or SC4800-8 except aircraft which have received in production AIRBUS INDUSTRIE modification 47674 or in service AIRBUS INDUSTRIE Service Bulletin (SB) A330-27-3076 at initial issue or any further approved revision.

#### REASONS:

1. Airworthiness Directive (AD) 2000-025-109(B) R1 was issued in order to prevent a rupture of active elevator servo-control piston rod due to the degradation of the self lubricated liner from the eye end spherical bearing.

In case of a rupture of the piston rod on both the active and damping mode servo-controls on the same side, the elevator is no more damped and becomes uncontrollable.

**Note :** For similar reasons, "SAMM" elevator servo-controls fitted with "FRANKENJURA" eye-ends have been subject to Airworthiness Directive (AD) 98-539-088(B).

2. This new AD restates the inspection of the SC concerned by AD 2000-025-109(B) R1 until their mandatory replacement with SC newly designed by the manufacturer at thresholds required by the paragraph Compliance B of this AD. The piston rod of these new SC is fitted with roller bearing eye end.

Consequently, this AD replaces AD 2000-025-109(B) R1.

#### COMPLIANCE:

##### A. Inspection

Perform the following inspection before accumulation of 30 months in service since new for each elevator servo-control or within 500 flight hours from January 26, 2000 (effective date of AD 2000-025-109(B) at original issue), whichever occurs later.

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1. Check the play of the piston rod eye-end of the active and damping servo-controls (FIN 2CS1, 2CS2, 3CS1, 3CS2) in accordance with the instructions of the paragraph 3.B.(2) of SB A330-27-3062 R1, unless already previously accomplished in accordance with SB A330-27-3062 at initial issue or Revision 1.
2. Depending on the play measured, for each servo-control, perform the corrective action in accordance with the instructions given in SB A330-27-3062 R1, unless already previously accomplished in accordance with SB A330-27-3062 at initial issue or Revision 1.

Repeat the actions of the above paragraph 1 and 2 at interval not exceeding 15 months in service for each elevator servo-control installed on aircraft in accordance with SB A330-27-3062 Revision 1.

Report to AIRBUS INDUSTRIE the inspection results whatever are the results.

**Note :** No further inspection is required if all the elevator SC in active and damping mode have been replaced by embodiment of SB A330-27-3076 Revision 1.

#### **B. Modification**

Not later than August 31, 2004, replace all the SC (active and damping) of the two elevator with PN SC4800-2 to SC4800-7 or SC4800-8 by SC with PN SC4800-7A or SC4800-9, in accordance with the instructions given in SB A330-27-3076 Revision 1.

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REF.: AIRBUS INDUSTRIE Service Bulletin A330-27-3062 R1  
AIRBUS INDUSTRIE Service Bulletin A330-27-3076 R1  
(Any later approved revision of these SB is acceptable).  
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This AD replaces AD 2000-025-109(B) which is cancelled by its Revision 2.

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**EFFECTIVE DATE : NOVEMBER 10, 2001**