

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. : 2001-519(B)
In case of any difficulty, reference should be made to the French original issue.

AIRBUS INDUSTRIE

A340 aircraft

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

APPLICABILITY:

AIRBUS INDUSTRIE A340 aircraft, models -211, -212, -213, -311, -312 and -313, 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) A340-27-4083 at initial issue or any further approved revision.

REASONS:

1. Airworthiness Directive (AD) 2000-024-135(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) 98-541-109(B).

2. This new AD restates the inspection of the SC concerned by AD 2000-024-135(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 2000-024-135(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 2000-024-135(B) at original issue), whichever occurs later.

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 A340-27-4072 R1, unless already previously accomplished in accordance with SB A340-27-4072 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 A340-27-4072 R1, unless already previously accomplished in accordance with SB A340-27-4072 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 A340-27-4072 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 A340-27-4083 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 A340-27-4083 Revision 1.

REF.: AIRBUS INDUSTRIE Service Bulletin A340-27-4072 R1
AIRBUS INDUSTRIE Service Bulletin A340-27-4083 R1
(Any further approved revision of these SB is acceptable).

This AD replaces AD 2000-024-135(B) which is cancelled by its Revision 2.

EFFECTIVE DATE : NOVEMBER 10, 2001