

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. : 2000-076-115(B) R2
In case of any difficulty, reference should be made to the French original issue.

AIRBUS INDUSTRIE

A330 aircraft

Yaw damper actuator "SAMM" and FCPC standard M12 (ATA 27)

APPLICABILITY:

AIRBUS INDUSTRIE A330 aircraft, models -301, -321, -322, -341 and -342 which have not received in production any of AIRBUS INDUSTRIE modifications 46964 or 47221.

REASONS:

Several cases of active yaw damper actuator (FIN 19CS1) hydraulic leakage have been reported in-service.

Origin of this leakage has been confirmed to be attributed to premature worn dynamic seals between the actuator piston and the piston bearing that could lead to the complete loss of green hydraulic circuit.

The Airworthiness Directive (AD) 1998-100-067(B) R2 dealing with the same subject is cancelled and replaced by this Airworthiness Directive that requires the repetitive replacement of the active yaw damper actuator (FIN 19CS1) until installation of an updated standard of FCPC and, if necessary, the replacement of the yaw damper actuators, which allows to cancel the repetitive replacement of the active yaw damper actuator (FIN 19CS1).

Revision 1 of this AD corrects paragraph "COMPLIANCE 2" where 3 FCPC's must be read instead of 2.

Revision 2 of this AD extends the mandatory modification compliance time to 6 additional months. This is in order to reduce the maintenance burden generated by this retrofit, and considering that the risk of hydraulic leak has become very low.

COMPLIANCE:

The following measures are rendered mandatory.

If the aircraft configuration does not comply with all the conditions, as given in SB A330-27-3055 R2, which allow the cancellation of the repetitive replacement of the active yaw damper actuator (FIN 19CS1):

.../...

1. Repetitive action:

- 1.1. Remove and replace the yaw damper actuator (FIN 19CS1) on active position by a new or overhauled unit with the same Part-Number SC4710 not later than 6500 operating flight hours in accordance with the instructions given in SB A330-27-3055 R2.
- 1.2. Repeat the replacement of the yaw damper actuator (FIN 19CS1) in active position at intervals not to exceed 6500 operating flight hours until accomplishment of the paragraph 2 of this Airworthiness Directive.

2. Final fix:

Not later than March 04, 2002, install three upgraded FCPC standard in accordance with the instructions given in SB A330-27-3068 or A330-27-3071 and replace, if necessary, the yaw damper actuators (FIN 19CS1 or/and FIN 19CS2) by new or overhauled actuators to comply with the conditions given the synoptic chart figure 1 SB A330-27-3055 R2 that allow to cancel the repetitive replacement of the active yaw damper actuator as required by the paragraph 1 of this AD.

REF.: AIRBUS INDUSTRIE Service Bulletin A330-27-3055 R2
(or any further approved revisions)
AIRBUS INDUSTRIE Service Bulletin A330-27-3068
(or any further approved revisions)
AIRBUS INDUSTRIE Service Bulletin A330-27-3071
(or any further approved revisions).

This Revision 2 replaces AD 2000-076-115(B) R1 issued on March 22, 2000.

EFFECTIVE DATES:

Original AD : MARCH 04, 2000
Revision 1 : APRIL 1st, 2000
Revision 2 : SEPTEMBER 1st, 2001