

# 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. : 2001-070(B)  
In case of any difficulty, reference should be made to the French original issue.

## AIRBUS INDUSTRIE

### A330 aircraft

Reinforcement of frame 40 (ATA 53)

#### APPLICABILITY:

AIRBUS INDUSTRIE A330 aircraft models -202, -223, -301, -321, -322, -341 and -342 which have not received AIRBUS INDUSTRIE modification 45899 (or AIRBUS INDUSTRIE Service Bulletin (SB) A330-53-3093 at initial issue or any further approved revision).

#### REASONS:

1. To prevent crack initiation and propagation in several parts of the fuselage at frame 40 (at the front fitting, the connecting bracket, the circumferential strap, stringer 40 and on the fuselage skin), as evidenced during fatigue tests and which could lead to a reduced structural integrity.
2. Further to the introduction of CPC (Cabin Pressure Controller) selecting automatically the cabin differential pressure (delta P) depending on flight duration, structure SB's referenced by Airworthiness Directive (AD) 1999-449-105(B) and that had accomplishment values dependant on delta P have been revised in order to mention only the most restrictive accomplishment timescales independently on the delta P.

Therefore, AD 1999-449-105(B) is replaced by this AD.

#### COMPLIANCE:

The following measures are rendered mandatory on the effective date of this AD, unless already previously accomplished:

##### For A330-301, -321, -322, -341 and -342 aircraft

- Before accumulation of 7320 flights or 26130 flight hours since first flight, whichever occurs first, reinforce the frame 40 in accordance with the instructions given in the SB A330-53-3093 Revision 4.

##### For A330-202 and -223 aircraft

- Before accumulation of 9700 flights or 28800 flight hours since first flight, whichever occurs first, reinforce the frame 40 in accordance with the instructions given in the SB A330-53-3093 Revision 4.

**Note :** To minimize the risk of extensive damage that could lead to expensive repairs and extended grounding of the aircraft, it is recommended by the manufacturer to accomplish SB A330-53-3093 R4:

- Before accumulation of 4100 flights or 12000 flight hours, whichever occurs first for A330-301, -321, -322, -341 and -342 aircraft.
- Before accumulation of 4300 flights or 12800 flight hours, whichever occurs first for A330-202, -223 aircraft.

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**REF:** AIRBUS INDUSTRIE Service Bulletin A330-53-3093 R4  
(Any further approved revision of this SB is acceptable)

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This Airworthiness Directive replaces AD 1999-449-105(B) which is cancelled by its Revision 1.

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**EFFECTIVE DATE : MARCH 03, 2001**