

# 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. : 2001-556(B)  
In case of any difficulty, reference should be made to the French original issue.

## AIRBUS INDUSTRIE

### A330 aircraft

GE powerplant - Forward mount bolts (ATA 71)

#### APPLICABILITY:

AIRBUS INDUSTRIE A330 aircraft, models -202, -301, all serial numbers.

#### REASONS:

The analyses of the new test campaign conducted on the forward engine mounts have revealed that the previous inspection intervals defined for the bolts of these mounts are not appropriate.

These intervals have now been reduced.

This situation if not corrected could lead to a risk of engine separation in the event of a failure of a bolt followed by the failure of a second bolt.

The purpose of this Airworthiness Directive (AD) is to introduce reduced inspection intervals and to request that the bolt torque be modified in order to restore the inspection intervals initially provided for.

#### ACTIONS:

The following measures are rendered mandatory from the effective date of this AD:

#### 1. Inspection of the forward engine mount bolts

##### 1.1. Configuration 1: A330-301 aircraft equipped with CF6-80E1A2 engines

##### 1.1.1. Aircraft which have not been supplied with modification 48159 in production or AIRBUS INDUSTRIE Service Bulletin (SB) A330-71-3013 in service

- Before accumulation of 5,100 flights since the first flight of the forward engine mount or before December 31, 2001, whichever occurs later, perform an inspection of the bolts on each forward engine mount in accordance with AMM Task 71-00-00-400-802, subtask 71-00-00-230-051.
- Repeat this inspection at intervals not exceeding 5,100 flights since the previous inspection.

**1.1.2. Aircraft which have been supplied with modification 48159 in production or SB A330-71-3013 in service**

The mandatory inspection thresholds and intervals to be applied during engine removal and reinstallation are defined in the A330 Airworthiness Limitation Item (ALI) SSI 71-21-03 which will be issued before December 31, 2001.

**1.2. Configuration 2: A330-202 aircraft equipped with CF6-80E1A4 engines**

**1.2.1. Aircraft which have not been supplied with modification 48159 in production or SB A330-71-3013 in service**

- Before accumulation of 4,480 flights since the first flight of the forward engine mount or before December 31, 2001, whichever occurs later, perform an inspection of the bolts on each forward engine mount in accordance with AMM Task 71-00-00-400-802, subtask 71-00-00-230-051 (Dye penetrant inspection, no cracks permitted).
- Repeat this inspection at intervals not exceeding 4,480 flights since the previous inspection.

**1.2.2. Aircraft which have been supplied with modification 48159 in production or SB A330-71-3013 in service**

The mandatory inspection thresholds and intervals to be applied during engine removal and reinstallation are defined in the A330 Airworthiness Limitation Item (ALI) SSI 71-21-03 which will be issued before December 31, 2001.

**2. Modification to the bolt torques of engines CF6-80E1**

On the occasion of the first engine removal following the effective date of this AD, modify the torque of the forward engine mount bolts, in accordance with the instructions of AIRBUS INDUSTRIE Service Bulletin A330-71-3013.

This new torque must be applied during each subsequent engine re-installation.

**Note:** The application of this modification makes it possible to increase the inspection intervals of the bolts up to the values defined in paragraphs 1.1.2. and 1.2.2. of this AD.

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REF.: AIRBUS INDUSTRIE Service Bulletin A330-71-3013  
(Any later approved revision is acceptable).

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**EFFECTIVE DATE : NOVEMBER 24, 2001**