

AIRWORTHINESS DIRECTIVE

released by DIRECTION GENERALE DE L'AVIATION CIVILE

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. : 1999-046-091(B) R4
In case of any difficulty, reference should be made to the French original issue.

AIRBUS INDUSTRIE

A330 aircraft

Fuel trim transfer - Inspection of the trim transfer line between frames FR77 and FR86 and associated flight operational procedure (ATA 28)

APPLICABILITY:

AIRBUS INDUSTRIE A330 aircraft, models -202, -223, -243, -301, -321, -322, -323, -341, -342 and -343, which have not received either AIRBUS INDUSTRIE modification 47293 nor AIRBUS INDUSTRIE Service Bulletin A330-28-3063.

REASONS:

Cases of fuel leaks have been reported by A340 operators in pressurized area in the vicinity of the aft pressure bulkhead located between frames FR77 and FR86 resulting from pressure build up within the trim fuel transfer line leading to over-angulation of fuel pipes and shroud disconnection.

Fuel leaks may occur in a zone where there is no fire detection/extinction capability.

The Revision 1 released the constraint on inspection threshold and interval.

The Revision 2 modified the compliance time conditions of paragraph 1.1.

The Revision 3 introduced a temporary revision (T/R) of the Aircraft Flight Manual (AFM) as a new flight operational procedure.

This Revision 4 introduces an Alternate Means of Compliance (AMOC) which cancels the repeat inspection and the flight operational procedure.

COMPLIANCE:

In order to ensure fuel system integrity of the trim transfer fuel line and to prevent pressure build up within this trim line, the following measures are rendered mandatory on the effective date of this Airworthiness Directive :

1. Inspection of the trim transfer line

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- 1.1. Within 1000 flight hours at the latest from the effective date of the original issue of this Airworthiness Directive, or within 1000 flight hours from the date of the last inspection accomplished at intervals of 140 flight hours in accordance with paragraph 1.3 of the original issue of this AD, whichever occurs later, perform a detailed visual inspection of the trim transfer fuel line, between FR77 and FR86 in accordance with the instructions given in AIRBUS INDUSTRIE Service Bulletin A330-28A3060 Rev. 2.
- 1.2. Depending upon the results the inspection will produce, if necessary, proceed before the next flight with the corrective action in accordance with the instructions given in AIRBUS INDUSTRIE Service Bulletin A330-28A3060 Rev. 2 and the synoptic chart (figure 2) of this Service Bulletin.
- 1.3. Repeat the inspection at intervals not to exceed 1000 flight hours.
- 1.4. Report the inspection to AIRBUS INDUSTRIE whatever the result is.

2. Flight operational procedure.

From the effective date of this revision 3, introduce in AFM the following T/R:

T/R 4.03.00/09 (A330-200 aircraft) or

T/R 4.03.00/12 (A330-200 Post Mod. 46825 aircraft) or

T/R 4.03.00/10 (A330-300 aircraft)

Approved by DGAC on July 23, 1999 and perform the relevant procedure.

This procedure replaces the operational procedure addressed by AIRBUS INDUSTRIE OEB 27/1 or 28/1 dated March 1999.

ALTERNATE SOLUTION:

Installation of two additional pressure relief valves on the fuel line in the trim tank in accordance with instructions given in AIRBUS INDUSTRIE Service Bulletin A330-28-3063 constitutes an alternate means of compliance (AMOC) which cancels the repeat inspection and the flight operational procedure (AFM T/R) of the here above mentioned mandatory actions.

REF.: AIRBUS INDUSTRIE Service Bulletin A330-28A3060 Rev. 2
(or any further approved revision)

AIRBUS INDUSTRIE Service Bulletin A330-28-3063
(or any further approved revision)

Temporary AFM revisions :

T/R 4.03.00/09 (A330-200 aircraft) or

T/R 4.03.00/12 (A330-200 Post Mod. 46825 aircraft) or

T/R 4.03.00/10 (A330-300 aircraft)

Approved by DGAC on July 23, 1999 or any further approved revision.

This Revision 4 replaces Airworthiness Directive 1999-046-091(B) R3 dated September 08, 1999.

EFFECTIVE DATES:

Original AD : On receipt from FEBRUARY 10, 1999
Revision 1 : JUNE 26, 1999
Revision 2 : JULY 23, 1999
Revision 3 : SEPTEMBER 18, 1999
Revision 4 : DECEMBER 25, 1999