

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. : 2000-406-125(B)
In case of any difficulty, reference should be made to the French original issue.

AIRBUS INDUSTRIE

A330 aircraft

Inspection of the drive assemblies on the low-pressure and crossfeed fuel valves (ATA 28)

APPLICABILITY:

AIRBUS INDUSTRIE A330 aircraft models -202, -223, -243, -301, -321, -322, -323, -341, -342 and -343 all aircraft, MSN's 0012 up to 0328 inclusive, equipped with LP fuel valves P/N HTE900212 or HTE900160 and with a crossfeed valve P/N HTE900162 except MSN's 0315, 0320, 0323 and 0324 aircraft.

Operators who have the above referenced LP fuel valve and crossfeed valve as spare parts must proceed with the inspection as described in the paragraph "COMPLIANCE" of this Airworthiness Directive (AD) before the LP fuel valve or crossfeed valve is installed on aircraft.

REASONS:

An A340 operator experienced an engine shut down less than one minute after engine start up with associated ECAM messages. Investigation performed on the LP fuel valve drive of the engine, reveals that a thrust washer was found missing from the drive assembly.

It has been determined that this defect caused the origin of the malfunction of the LP fuel valve, this condition may lead to the following failures on A340 and A330:

- either impossibility to start the engine,
- or impossibility to shut-off the fuel supply to engine.

The second failure when combined with an engine fire may lead to an uncontrolled engine fire.

For ETOPS flight, the ability to complete diversion may be affected in the event of an engine failure combined with a malfunction of the drive assembly of the crossfeed valve, potentially affected by the same defect.

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COMPLIANCE:

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

- Unless already accomplished, prior to the accumulation of 1450 flight hours from the effective date of this AD, inspect the drive assembly of the LP and crossfeed fuel valves, and if necessary before next flight following this inspection, carry out the corrective action in accordance with the instructions given in AIRBUS INDUSTRIE Service Bulletin A330-28A3069.

REF.: Service Bulletin AIRBUS INDUSTRIE A330-28A3069
(Any further approved revision of this Service Bulletin is acceptable).

EFFECTIVE DATE : SEPTEMBER 30, 2000