

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. : 2000-139-143(B) R1
In case of any difficulty, reference should be made to the French original issue.

AIRBUS

A340-200/-300 aircraft

Hydraulic reservoir pressurizing system -
Inspection of Pressurization Unit Air (PUA) (ATA 29)

1. APPLICABILITY:

AIRBUS A340 aircraft, models -211, -212, -213, -311, -312 and -313, all serial numbers, fitted with PUA PN 4020 Q8-3.

2. REASONS:

Three PUA failures have been identified on different individual A330 aircraft.

There are two potential failure modes identified on PUAs linked to internal PRV seal quality defect, either:

- Close mode failure where the debonded seal will obstruct the outlet in certain bleed air pressure circumstances, however the air pressure inside the reservoirs is maintained for a certain time period via the reservoir check valves.
- Open mode with no more regulation of the air pressure at the level of the pressure-reducing valve due to seal defect.

A combined failure of two PUA, simultaneously, could lead in the worse case, to the loss of three hydraulic circuits. There is likelihood that two potentially defective PUA are fitted on a same aircraft leading to this mandated inspection.

Revision 1 of this Airworthiness Directive (AD) consists of revising the "Applicability" paragraph which limits AIRBUS A340 aircraft models as listed in the paragraph 1.

3. MANDATORY ACTIONS AND COMPLIANCE TIMES:

The following measures are rendered mandatory and must be accomplished within 500 flight hours from effective date of this AD at original issue:

- 3.1. Perform a check of the PN and Serial Numbers (SN) of PRVs (Pressure Reduce Valve) on the PUAs (Pressure Unit Air) fitted on aircraft in accordance with instructions given in AIRBUS Service Bulletin (SB) A340-29A4058.

- 3.2. If the PN and SN are belonging to the affected equipment (PRV/PUA) and depending upon the inspection results, perform the test in accordance with instructions given in AIRBUS SB A340-29A4058 and if necessary repair before next flight any faulty (PRV/PUA) equipment.
- 3.3. The actions required in paragraphs 3.1. and 3.2. here above must also be accomplished for any replacement of PUA PN 4020 Q8-3.

REF.: AIRBUS Service Bulletin A340-29A4058
(or any later approved revision).

| This Revision 1 replaces original AD 2000-139-143(B) dated March 22, 2000.

EFFECTIVE DATES :

| **Original issue : APRIL 1st, 2000**
Revision 1 : SEPTEMBER 27, 2003