

EASA	AIRWORTHINESS DIRECTIVE
	AD No.: 2010-0083 Date: 03 May 2010 Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EC) No 216/2008 on behalf of the European Community, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation.
This AD is issued in accordance with EC 1702/2003, Part 21A.3B. In accordance with EC 2042/2003 Annex I, Part M.A.301, the continuing airworthiness of an aircraft shall be ensured by accomplishing any applicable ADs. Consequently, no person may operate an aircraft to which an AD applies, except in accordance with the requirements of that Airworthiness Directive unless otherwise specified by the Agency [EC 2042/2003 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [EC 216/2008, Article 14(4) exemption].	
Type Approval Holder's Name : AIRBUS	Type/Model designation(s) : A330 and A340-200/-300 aeroplanes
TCDS Number : EASA.A.004, EASA.A.015	
Foreign AD : Not applicable	
Supersedure : This AD supersedes EASA AD 2008-0209 dated 27 November 2008.	
ATA 28	Fuel – Fuel Pump Non-Return Valve (NRV) – Operational Test
Manufacturer(s):	Airbus (formerly Airbus Industrie)
Applicability:	Airbus A330 aeroplanes, models -201, -202, -203, -223, -243, -301, -302, -303, -321, -322, -323, -341, -342 and -343, all manufacturer serial numbers. Airbus A340 aeroplanes, models -211, -212, -213, -311, -312 and -313, all manufacturer serial numbers.
Reason	An A340 operator has reported an uncommanded engine n°4 shut down during taxi after landing. The root cause of this event has been identified as the failure of the fuel pump Non-Return Valve preventing the collector cell jet pump from working correctly. This led to the n°4 collector cell fuel level to drop below the pump inlet level and consequently causing engine n°4 flame out. A330 aeroplanes which have a similar design are also impacted by this condition. Multiple NRV failures in combination with certain trapped fuel cases could potentially increase the quantity of unusable fuel on the aeroplane, possibly leading to fuel starvation which could result in engines in-flight shut down and would constitute an unsafe condition. To prevent and detect this condition, EASA AD 2008-0209 required repetitive operational tests to check the correct operation of NRV and to apply the associated corrective actions.

	This AD retains the requirements of EASA AD 2008-0209, which is superseded, and requires for aeroplanes which have replaced a NRV to perform an additional operational test to confirm that corrective maintenance action has been successful for the affected collector cell.
Effective Date:	17 May 2010
Required action(s) and Compliance Time(s):	Required as indicated: (1) Unless already accomplished, Perform an operational test for correct functioning of NRV and apply the associated corrective actions in accordance with the instructions defined in Airbus Service Bulletin (SB) A330-28-3108 Revision 01 or SB A340-28-4123 Revision 01, as applicable: <u>For A330 aeroplanes :</u> (a) Before accumulating 10 000 Flight Hours (FH) after the aeroplane first flight or (b) within 2 years or 8 000 FH after 11 December 2008 [the effective date of EASA AD 2008-0209], whichever occurs first, whichever occurs later between (a) and (b). <u>For A340-200/-300 aeroplanes :</u> (c) Before accumulating 25 000 FH after the aeroplane first flight or (d) within 2 years or 9 000 FH after 11 December 2008 [the effective date of EASA AD 2008-0209], whichever occurs first, whichever occurs later between (c) and (d). (2) Repeat this operational test defined in paragraph (1) of this AD at interval not exceeding: <u>For A330 aeroplanes:</u> 10 000 FH, <u>For A340-200/-300 aeroplanes:</u> 25 000 FH. (3) The results of the operational tests required by paragraphs (1) and (2) of this AD, whatever they are, must be reported to Airbus within 1 month after the test accomplishment date. (4) Aeroplanes that have already been tested, before the effective date of this AD, in accordance with SB A330-28-3108 at original issue or SB A340-28-4123 at original issue, as applicable, and on which the operational test for correct functioning of NRV was successful, are already compliant with the requirements of paragraph (1) of this AD, but the repetitive operational tests required by paragraph (2) of this AD must be performed in accordance with the instructions defined in SB A330-28-3108 Revision 01 or SB A340-28-4123 Revision 01, as applicable. (5) Aeroplanes that have already been tested, before the effective date of this AD, in accordance with the instructions defined in SB A330-28-3108 at original issue or SB A340-28-4123 at original issue, as applicable, and on which at least one NRV has been replaced: No later than 15 January 2011, perform an additional operational test of the affected collector cell to confirm that corrective maintenance action has been successful for the affected collector cell, in accordance with the instructions defined in SB A330-28-3108 Revision 01 or SB A340-28-4123 Revision 01, as applicable.

Ref. Publications:	Airbus Service Bulletin A330-28-3108 at Original issue or Revision 01; Airbus Service Bulletin A340-28-4123 at Original issue or Revision 01. The use of later approved revisions of these documents is acceptable for compliance with the requirements of this AD.
Remarks:	1. If requested and appropriately substantiated, EASA can approve Alternative Methods of Compliance for this AD. 2. This AD was posted on 15 March 2010 as PAD 10-028 for consultation until 12 April 2010. The Comment Response Document can be found at http://ad.easa.europa.eu/. 3. Enquiries regarding this AD should be referred to the Airworthiness Directives, Safety Management & Research Section, Certification Directorate, EASA. E-mail: ADs@easa.europa.eu . 4. For any question concerning the technical content of the requirements in this AD, please contact: AIRBUS SAS – Airworthiness Office – EAL. Fax: +33 1 61 93 45 80. E-mail: airworthiness.A330-A340@airbus.com .

CANCELLED BY EASA AD 2010-0083-CN