
AIRWORTHINESS DIRECTIVE

On the effective date specified below, and for the reasons set out in the background section, the CASA delegate whose signature appears below revokes Airworthiness Directive (AD) AD/A320/11 Amdt 1 and issues the following AD under subregulation 39.001(1) of CASR 1998. The AD requires that the action set out in the requirement section (being action that the delegate considers necessary to correct the unsafe condition) be taken in relation to the aircraft or aeronautical product mentioned in the applicability section: (a) in the circumstances mentioned in the requirement section; and (b) in accordance with the instructions set out in the requirement section; and (c) at the time mentioned in the compliance section.

Airbus Industrie A319, A320 and A321 Series Aeroplanes

**AD/A320/11
Amdt 2**

Engine Rear Mount Barrel Nuts

**13/2008
DM**

Applicability: AIRBUS A319-131, A319-132, A319-133, A320-231, A320-232, A320-233, A321-131, A321-231 and A321-232 aircraft models, all serial numbers with IAE V2500-A1 or V2500-A5 engines installed.

Requirement: **1. For aircraft with IAE V2500-A1 engines installed:**

- a. Carry out the applicable documentation checks and establish if barrel nut part number (P/N) 83644-1612 may be installed, in accordance with paragraph 5.1 of Airbus All Operator Telex (AOT) A320-71A1045, dated 17 October 2008 or later.
- b. For aircraft on which the correct standard of installation cannot be established by data records, or where data records indicate the affected part may be installed - carry out the visual inspections in accordance with paragraph 5.2 of Airbus AOT A320-71A1045, dated 17 October 2008 or later, and:
 - (i) if one or more barrel nuts are found broken contact Airbus for corrective actions and embody these, or
 - (ii) if two or more barrel nuts P/N 83644-1612 are found installed, correct the installation in accordance with paragraph 5.2 of Airbus AOT A320-71A1045, dated 17 October 2008 or later, or
 - (iii) if only one barrel nut P/N 83644-1612 is found installed, remove and replace in accordance with paragraph 5.2 of Airbus AOT A320-71A1045, dated 17 October 2008 or later.
- c. Do not install engine mount barrel nuts P/N 83644-1612 on an aircraft.

2. For aircraft with IAE V2500-A5 engines installed:

- a. Carry out the applicable documentation checks and establish if barrel nut part number (P/N) 83644-1612 may be installed, in accordance with paragraph 4.1 of Airbus AOT A320-71A1045, dated 17 October 2008 or later.

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- b. For aircraft on which the correct standard of installation cannot be established by data records, or where data records indicate the incorrect part may be installed - carry out the visual inspections in accordance with paragraph 4.2 of Airbus AOT A320-71A1045, dated 17 October 2008 or later, and
 - (i) if one or more barrel nuts are found broken contact Airbus for corrective actions and embody these, or
 - (ii) if two or more barrel nuts P/N 83644-1612 are found installed, correct the installation in accordance with paragraph 4.2 of Airbus AOT A320-71A1045, dated 17 October 2008 or later, or
 - (iii) if only one barrel nut P/N 83644-1612 is found installed, remove and replace in accordance with paragraph 4.2 of Airbus AOT A320-71A1045, dated 17 October 2008 or later.
- c. Do not install engine mount barrel nuts P/N 83644-1612 on an aircraft.

Note: EASA AD 2008-0191-E dated 20 October 2008 refers. This AD supersedes DGAC AD 90-079-009(B) R1 dated 6 July 1991.

Compliance: For Requirement 1.a. - Within 7 days after the effective date of this AD, unless previously accomplished.

For Requirement 1.b. - Within 7 days after the effective date of this AD, unless previously accomplished.

For Requirement 1.b.(i) and 1.b.(ii) - Before further flight.

For Requirement 1.b.(iii) - Within 1,200 Flight Hours or 960 Flight Cycles since installation of the part, whichever occurs first.

For Requirement 1.c. - After the effective date of this AD.

For Requirement 2.a. - Within 7 days after the effective date of this AD, unless previously accomplished.

For Requirement 2.b. - Within 7 days after the effective date of this AD, unless previously accomplished.

For Requirement 2.b.(i) and 2.b.(ii) - Before further flight.

For Requirement 2.b.(iii) - Within 1,200 Flight Hours or 960 Flight Cycles since installation of the part, whichever occurs first.

For Requirement 2.c. - After the effective date of this AD.

Airbus Industrie A319, A320 and A321 Series Aeroplanes

AD/A320/11 Amdt 2 (continued)

This Amendment becomes effective on 29 October 2008.

Background: Cracking of the engine rear mount barrel nuts has been reported.

Amendment 2 is in response to advice that Airbus has incorporated an incorrect part number in the Illustrated Parts Catalogue, (reference 71-22-11 Figure 80B item 180) for the rear engine mount barrel nut. This problem affects Airbus A319, A320 and A321 models with IAE V2500-A5 engines.

The part number introduced in error is not certificated for the IAE V2500-A5 engine installation and, if installed, may fail in service. This amendment mandates the inspections required to determine the standard of barrel nut installed and the corrective actions, as necessary, for the aircraft with V2500-A1 or -A5 engines installed.

Amendment 1 changed the applicability to only include those aircraft not modified or incorporating a certain service bulletin.

Amendment 1 of this AD became effective on 28 October 2004.

The original issue of this Directive became effective on 12 July 1990.



James Coyne
Delegate of the Civil Aviation Safety Authority

24 October 2008