



## Airworthiness Directive

**AD No.:** 2015-0234

**Issued:** 08 December 2015

Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EC) 216/2008 on behalf of the European Union, 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 Regulation (EU) 748/2012, Part 21.A.3B. In accordance with Regulation (EU) 1321/2014 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 AD, unless otherwise specified by the Agency [Regulation (EU) 1321/2014 Annex I, Part M.A.303] or agreed with the Authority of the State of Registry [Regulation (EC) 216/2008, Article 14(4) exemption].

### Design Approval Holder's Name:

AIRBUS

### Type/Model designation(s):

A319, A320 and A321 aeroplanes

**Effective Date:** 22 December 2015

**TCDS Number(s):** EASA.A.064

**Foreign AD:** Not applicable

**Supersedure:** None

### ATA 52 – Doors – Main Landing Gear Door Tie Rod Assembly – Inspection

#### Manufacturer(s):

Airbus (formerly Airbus Industrie)

#### Applicability:

Airbus A319-115, A319-132, A320-214, A320-216, A320-232, A321-211, A321-213 and A321-231 aeroplanes, manufacturer serial numbers (MSN) as listed in Airbus Service Bulletin (SB) A320-52-1167.

#### Reason:

A production quality issue was identified concerning tie rod assemblies, having Part Number (P/N) starting with D52840212000 or D52840212002, which are installed on the main landing gear (MLG) hinged fairing assembly. This quality issue affects the cadmium plating surface treatment which was inadvertently omitted from the rod end threads of the assembly. The absence of cadmium plating reduces the corrosion protection scheme.

This condition, if not detected and corrected, could lead to galvanic corrosion of the tie rod end threads, possibly resulting in rod end failure, loss of a MLG door, and consequent injury to persons on ground.



To address this unsafe condition, Airbus identified the affected MSN and issued SB A320-52-1167 to provide inspection instructions.

For the reason described above, this AD requires a one-time inspection of the affected MLG hinged fairing tie rod assemblies, and, depending on findings, replacement of the affected tie rod assembly.

**Required Action(s) and Compliance Time(s):**

Required as indicated, unless accomplished previously:

Within 80 months after aeroplane first flight, accomplish the actions as specified in paragraphs (1) and (2) of this AD.

- (1) Accomplish a detailed inspection (DET) of each MLG hinged fairing tie rod assembly, having the P/N starting with D52840212000 or D52840212002, in accordance with the instructions of Airbus SB A320-52-1167.
- (2) If, during the DET as required by paragraph (1) of this AD, a tie rod assembly is identified without any cadmium plating (silver threads surface finish), replace the tie rod assembly with a serviceable part (same P/N), determined to have cadmium plating (gold threads surface finish), in accordance with the instructions of Airbus SB A320-52-1167.

**Ref. Publications:**

Airbus SB A320-52-1167 original issue, dated 06 August 2015.

The use of later approved revisions of this document 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 04 November 2015 as PAD 15-136 for consultation until 02 December 2015. No comments were received during the consultation period.
3. Enquiries regarding this AD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: [ADs@easa.europa.eu](mailto:ADs@easa.europa.eu).
4. For any question concerning the technical content of the requirements in this AD, please contact: AIRBUS – Airworthiness Office – EIAS; Fax +33 5 61 93 44 51;  
E-mail: [account.airworth-eas@airbus.com](mailto:account.airworth-eas@airbus.com).

