



## Notification of a proposal to issue an Airworthiness Directive

**PAD No.: 16-005**

**Issued: 20 January 2016**

Note: This Proposed Airworthiness Directive (PAD) 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.

In accordance with the EASA Continuing Airworthiness Procedures, the Executive Director is proposing the issuance of an EASA Airworthiness Directive (AD), applicable to the aeronautical product(s) identified below.

All interested persons may send their comments, referencing the PAD Number above, to the e-mail address specified in the 'Remarks' section, prior to the consultation date indicated.

**Design Approval Holder's Name:**

EADS-CASA

**Type/Model designation(s):**

C-212 aeroplanes

**Effective Date:** [TBD - standard: 14 days after AD issue date]

**TCDS Number(s):** Spain No. 01-82

**Foreign AD:** Not applicable

**Supersedure:** None

### ATA 27 – Flight Controls – Rudder Control System / Torque Tube Shaft – Inspection

**Manufacturer(s):**

EADS-CASA; Construcciones Aeronáuticas S.A. (CASA)

**Applicability:**

C-212-CB, C-212-CC, C-212-CD, C-212-CE, C-212-CF, C-212-DD, C-212-DF, C-212-VA, C-212-DE and C-212-EE aeroplanes, all manufacturer serial numbers.

**Reason:**

Occurrences were reported of finding a damaged and cracked rudder torque tube shaft, Part Number (P/N) 212-46237-01. Subsequent investigation determined that this damage occurred after parking of the aeroplane during a heavy wind gust, without having set the flight control surfaces in locked position.

This condition, if not detected and corrected, could lead to structural failure of the affected rudder torque tube shaft, possibly resulting in reduced control of an aeroplane.

To address this potential unsafe condition, EADS-CASA issued Alert Operators Transmission (AOT) AOT-C212-27-0001 to provide inspection instructions and Service Bulletin (SB) SB-212-27-0058 providing modification instructions.



For the reasons described above, this AD requires repetitive inspections of the affected rudder torque tube shaft, and introduces an optional modification, which constitutes terminating action for those repetitive inspections.

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

Required as indicated, unless accomplished previously:

- (1) For aeroplanes equipped with a rudder torque tube shaft P/N 212-46237-01: Within 30 days after the effective date of this AD and, thereafter, before next flight after each occurrence during which the aeroplane was exposed during parking to wind gusts exceeding 28 knots, inspect the rudder torque tube shaft in accordance with the instructions of EADS-CASA AOT-C212-27-0001.
- (2) If, during any inspection as required by paragraph (1) of this AD, any discrepancy is detected, before next flight, accomplish the applicable corrective action(s) in accordance with the instructions of EADS-CASA AOT-C212-27-0001.
- (3) Inspection and corrective action on an aeroplane, accomplished before the effective date of this AD in accordance with the instructions of EADS-CASA All Operator Letter (AOL) AOL-212-037 Revision 1, is an acceptable method to comply with the initial actions as required by paragraph (1) and (2) of this AD for that aeroplane.
- (4) Modification of an aeroplane by replacing the rudder torque tube shaft P/N 212-46237-01 with an improved part in accordance with the instructions of EADS-CASA SB-212-27-0058 constitutes terminating action for the repetitive inspections as required by paragraph (1) of this AD for that aeroplane.

**Ref. Publications:**

EADS-CASA AOT-C212-27-0001 original issue, dated 15 July 2015.

EADS-CASA AOL-212-037 Revision 1, dated 11 April 2014.

EADS-CASA SB-212-27-0058 original issue, dated 25 April 2014.

The use of later approved revisions of these documents is acceptable for compliance with the requirements of this AD.

**Remarks:**

1. This Proposed AD will be closed for consultation on 17 February 2016.
2. Enquiries regarding this PAD should be referred to the EASA Safety Information Section, Certification Directorate. E-mail: [ADs@easa.europa.eu](mailto:ADs@easa.europa.eu).
3. For any question concerning the technical content of the requirements in this PAD, please contact:  
Airbus Defence and Space  
Services / Engineering Support



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Fax: +34 91 585 3127

For US operators, contact alternatively:

e-mail: [TechnicalSupport@airbusmilitaryna.com](mailto:TechnicalSupport@airbusmilitaryna.com).

