



Airworthiness Directive

AD No.: 2019-0221

Issued: 05 September 2019

Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EU) 2018/1139 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 129 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 (EU) 2018/1139, Article 71 exemption].

Design Approval Holder's Name:

AIRBUS DEFENCE AND SPACE S.A.

Type/Model designation(s):

C-212 aeroplanes

Effective Date: 19 September 2019

TDCS Number(s): Spain No. 01-82

Foreign AD: Not applicable

Supersedure: This AD supersedes EASA AD 2018-0051 dated 02 March 2018.

ATA 27 – Flight Controls – Rudder Pedal Control System – Inspection / Modification

Manufacturer(s):

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

Applicability:

C-212-CB, C-212-CC, C-212-CD, C-212-CE, C-212-DD, C-212-DF and C-212-EE aeroplanes, manufacturer serial numbers as specified in the AOT, except aeroplanes modified in accordance with the instructions of EADS-CASA Service Bulletin (SB) SB-212-27-0057 at original issue or Airbus Defence and Space (DS) SB-212-27-0057 Revision 1.

Definitions:

For the purpose of this AD, the following definitions apply:

The SB: Airbus DS SB-212-27-0057 Revision 2.

The AOT: Airbus DS Alert Operators Transmission (AOT) AOT-C212-27-0002 original issue.

Affected part: Rudder pedal support boxes, having Part Number (P/N) 212-46195.1, and rudder pedal support shafts, having P/N 212-46120-20, as applicable to aeroplane configuration.



Reason:

Failures were reported of the rudder pedal control system support on CASA C-212 aeroplanes. Subsequent investigation revealed that the welding area of the affected support structure had broken.

This condition, if not corrected, could lead to failure of the rudder control system, possibly resulting in reduced control of the aeroplane.

To address this potential unsafe condition, EADS-CASA issued SB-212-27-0057 to provide modification instructions and EASA issued AD 2017-0036 to require that modification. During accomplishment of that modification, several operators reported difficulties or impossibility to follow the accomplishment instructions. Consequently, EASA and Airbus DS reviewed the difficulty reports and decided that the modification instructions had to be improved.

Pending the improvement of the SB instructions, and in order to reduce the risk of failure of the pedal adjustment system to an acceptable level, Airbus DS issued the AOT to provide inspection instructions for aeroplanes which had not been modified. Consequently, EASA issued AD 2018-0051 to cancel the requirements of EASA AD 2017-0036, which was superseded, to require repetitive inspections of the rudder pedal adjustment system on pre-SB 212-27-0057 aeroplanes and, depending on findings, accomplishment of applicable corrective action(s).

Since that AD was issued, Airbus DS issued the SB, as defined in this AD, to provide improved modification instructions.

For the reason described above, this AD retains the inspection requirements of EASA AD 2018-0051, which is superseded, and requires a modification to terminate the repetitive inspections.

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

Required as indicated, unless accomplished previously:

Inspection(s):

- (1) Within 150 flight hours (FH) after the last inspection in accordance with the AOT, and, thereafter, at intervals not to exceed 150 FH, inspect each affected part in accordance with the instructions of the AOT.

Corrective Action(s):

- (2) If, during any inspection as required by paragraph (1) of this AD, any discrepancy is detected, as defined in the AOT, before next flight, modify the rudder pedal adjustment system in accordance with the instructions of the SB.

Modification:

- (3) Within 12 months after the effective date of this AD, modify the rudder pedal adjustment system in accordance with the instructions of the SB.



Terminating Action:

- (4) Modification of an aeroplane as required by paragraph (2) or (3) of this AD, as applicable, constitutes terminating action for the repetitive inspections as required by paragraph (1) of this AD for that aeroplane.
- (5) Accomplishment of a repair on an aeroplane, before the effective date of this AD in accordance with repair instructions provided by Airbus DS, does not constitute terminating action for the repetitive inspections as required by paragraph (1) of this AD for that aeroplane.

Parts Installation:

- (6) From the effective date of this AD, it is allowed to install an affected part on an aeroplane, provided it is a new part, or that, before installation, the part has passed an inspection (no defect detected) in accordance with the instructions of the AOT. After the modification as required by paragraph (2) or (3) of this AD, as applicable, do not install an affected part on any aeroplane.

Ref. Publications:

Airbus DS AOT-C212-27-0002 original issue dated 28 February 2018.

EADS-CASA SB-212-27-0057 original issue dated 21 May 2014, or Airbus DS SB-212-27-0057 Revision 1 dated 11 May 2017, or Revision 2 dated 07 May 2019.

The use of later approved revisions of the above-mentioned 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 24 July 2019 as PAD 19-137 for consultation until 21 August 2019. No comments were received during the consultation period.
3. Enquiries regarding this AD should be referred to the EASA Programming and Continued Airworthiness Information Section, Certification Directorate. E-mail: ADs@easa.europa.eu.
4. Information about any failures, malfunctions, defects or other occurrences, which may be similar to the unsafe condition addressed by this AD, and which may occur, or have occurred on a product, part or appliance not affected by this AD, can be reported to the [EU aviation safety reporting system](#).
5. For any question concerning the technical content of the requirements in this AD, please contact: Airbus Defence and Space Services / Engineering Support, Fax: +34 91 585 3127, E-mail: MTA.TechnicalService@airbus.com.

Alternatively, for North American operators, contact:

E-mail: TechnicalSupport@airbusmilitaryna.com.

