



# 適航指令發布單

## Airworthiness Directive Issuance Form

民航局 AD 編號 AD number	CAA-2019-10-009	發布日期 Date issued	2019/10/23
適用之航空產品 Applied to (models, serial numbers or part numbers, as applicable)	AW169 helicopters, all serial numbers.		
主旨摘要	Rotors Flight Control - Yaw Pedal Assemblies - Modification / Rework		
民航局 CAA <input type="checkbox"/> 本國產品 Native products <input type="checkbox"/> 其他個案 Other	設計國民航主管機構 Original Authorities <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> FAA  <input checked="" type="checkbox"/> EASA  <input type="checkbox"/> Brazil  <input type="checkbox"/> Transport Canada Civil Aviation  <input type="checkbox"/> DGAC             </div> <div style="width: 50%;"> <input type="checkbox"/> Germany LBA  <input type="checkbox"/> CAA-NL  <input type="checkbox"/> UK CAA  <input type="checkbox"/> Japan CAB  <input type="checkbox"/> CAA of Israel  <input type="checkbox"/> Other _____             </div> </div>		
	設計國 AD 編號 Original AD number	2019-0252	
	1. 直接採用原 AD 之內容?(Is the original AD directly adopted?) <input checked="" type="checkbox"/> 是(Yes) <input type="checkbox"/> 否(No) _ a. 生效日期另訂為(Re-specify the effective date as) : _____ b. 執行時限另訂為(Re-specify the compliance time or period as) : _____ 2. 使用人是否需要將 AD 執行結果向民航局提出報告?(Do Users need to report the status of compliance to the CAA?) <input type="checkbox"/> 是(Yes) <input checked="" type="checkbox"/> 否(No)		
備註 Note	ATA 69. Ref. Publications: Leonardo S.p.A. SB 169-147 original issue dated 08 October 2019.		
註： 1. AD 內容後附。 2. 航空器產品使用人得向民航局提出豁免、替代符合方法、執行時限之展延之申請。 3. 如有任何問題，請聯絡交通部民用航空局初始適航科。Tel：(02)2349-6331~3, Fax：(02)2545-8464, e-mail： <a href="mailto:adcaa@mail.caa.gov.tw">adcaa@mail.caa.gov.tw</a> Note： 1. The AD text is enclosed. 2. Exemption, an alternative method of compliance or adjustment of the compliance time may be proposed to the CAA for approval. 3. For further information, please contact Civil Aeronautics Administration on Tel：(02)2349-6331~3, Fax：(02)2545-8464, e-mail： <a href="mailto:adcaa@mail.caa.gov.tw">adcaa@mail.caa.gov.tw</a>			



## Airworthiness Directive

**AD No.:** 2019-0252

**Issued:** 10 October 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:**

LEONARDO S.p.A.

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

AW169 helicopters

**Effective Date:** 24 October 2019

**TCDS Number(s):** EASA.R.509

**Foreign AD:** Not applicable

**Supersedure:** None

### ATA 67 – Rotors Flight Control – Yaw Pedal Assemblies – Modification / Rework

**Manufacturer(s):**

Leonardo S.p.A. Helicopters, formerly Finmeccanica S.p.A., AgustaWestland S.p.A.

**Applicability:**

AW169 helicopters, all serial numbers.

**Definitions:**

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

**Affected part:** Pilot yaw pedal assemblies, having Part Number (P/N) 6F6720A06831 or P/N 6F6720A06832, not marked with retromod 6F6720P01231; and co-pilot yaw pedal assemblies, having P/N 6F6720A06931 or P/N 6F6720A06932, not marked with retromod P/N 6F6720P01331.

**Non-affected part:** Pilot yaw pedal assemblies, having P/N 6F6720A06831 or P/N 6F6720A06832, marked with retromod 6F6720P01231; and co-pilot yaw pedal assemblies, having P/N 6F6720A06931 or P/N 6F6720A06932, marked with retromod P/N 6F6720P01331.

**The SB:** Leonardo Service Bulletin (SB) 169-147.

**Groups:**

Group 1 helicopters are those that have an affected part installed.



Group 2 helicopters are those that do not have an affected part installed. A helicopter that has embodied Leonardo modification 6F6720P01111 (introducing reworked pilot and co-pilot pedal assemblies) in production is a Group 2 helicopter, provided the helicopter remains in that configuration.

#### Reason:

An occurrence was reported of finding of a broken adjustable device, part of the pilot and co-pilot yaw pedal assembly. The results of the investigations determined that a modification of the pedal assembly is required to prevent the effect of this kind of failure.

This condition, if not corrected, could possibly result in reduced yaw control of the helicopter.

To initially address this unsafe condition, Leonardo developed a modification/rework of the pilot and co-pilot pedal assembly and published the SB to provide modification instructions.

For the reasons described above, this AD requires rework of the pilot and co-pilot pedal assembly.

This AD is considered to be an interim action and further AD action may follow.

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

Required as indicated, unless accomplished previously:

#### Modification:

- (1) For Group 1 helicopters: Within 50 flight hours or 3 months, whichever occurs first after the effective date of this AD, modify the helicopter by reworking each affected part, as defined in this AD, and re-identifying that affected part in accordance with the instructions of the SB.
- (2) Replacing an affected part with a non-affected part on a helicopter is an acceptable mean to comply with the modification requirement of paragraph (1) of this AD for that affected part of that helicopter.

#### Parts Installation:

- (3) Do not install an affected part on any helicopter, as defined in this AD, as required by paragraph (3.1) or (3.2) of this AD, as applicable:
  - (3.1) For Group 1 helicopters: After modification of that helicopter as required by paragraph (1) of this AD.
  - (3.2) For Group 2 helicopters: From the effective date of this AD.

#### Ref. Publications:

Leonardo S.p.A. SB 169-147 original issue dated 08 October 2019.

The use of later approved revisions of the above-mentioned 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. Based on the required actions and the compliance time, EASA have decided to issue a Final AD with Request for Comments, postponing the public consultation process until after publication.
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](mailto: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: Leonardo S.p.A. Helicopters, E-mail: [PSE\\_AW169.MBX.AW@leonardocompany.com](mailto:PSE_AW169.MBX.AW@leonardocompany.com).

