



# 適航指令發布單 Airworthiness Directive Issuance Form

民航局AD編號 AD number	CAA-2023-10-008緊急	發布日期 Date issued	2023/10/31												
適用之航空產品 Applied to (models, serial numbers or part numbers, as applicable)	Leonardo AW169 helicopters, all serial numbers (s/n).														
主旨摘要 Subject	Equipment / Furnishings - Float Assemblies - Replacement														
民航局 CAA  <input type="radio"/> 本國產品 Native product  <input type="radio"/> 其他個案 Other	設計國民航主管機構 Original Authority  <table><tr><td><input type="radio"/> FAA</td><td><input type="radio"/> Germany LBA</td></tr><tr><td><input checked="" type="radio"/> EASA</td><td><input type="radio"/> CAA-NL</td></tr><tr><td><input type="radio"/> Brazil</td><td><input type="radio"/> UK CAA</td></tr><tr><td><input type="radio"/> Transport Canada Civil Aviation</td><td><input type="radio"/> Japan CAB</td></tr><tr><td><input type="radio"/> DGAC</td><td><input type="radio"/> CAA of Israel</td></tr><tr><td></td><td><input type="radio"/> Other_____</td></tr></table>			<input type="radio"/> FAA	<input type="radio"/> Germany LBA	<input checked="" type="radio"/> EASA	<input type="radio"/> CAA-NL	<input type="radio"/> Brazil	<input type="radio"/> UK CAA	<input type="radio"/> Transport Canada Civil Aviation	<input type="radio"/> Japan CAB	<input type="radio"/> DGAC	<input type="radio"/> CAA of Israel		<input type="radio"/> Other_____
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	<input type="radio"/> Other_____														
	設計國AD編號 Original AD number	2023-0188-E													
	1. 直接採用原AD之內容? (Is the original AD directly adopted?) <input checked="" type="radio"/> 是(Yes) <input type="radio"/> 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="radio"/> 需要(Yes) <input checked="" type="radio"/> 不需要(No)														
備註 Note	ATA 25. Ref. Publications: Leonardo S.p.A. ASB 169-257 original issue dated 30 October 2023.														

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)2349-6330 / 6332, Fax：(02)2545-8464,

[adcaa@mail.caa.gov.tw](mailto:adcaa@mail.caa.gov.tw)

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)2349-6330 / 6332,

Fax：(02)2545-8464, [adcaa@mail.caa.gov.tw](mailto:adcaa@mail.caa.gov.tw)



# Emergency Airworthiness Directive

**AD No.:** 2023-0188-E

**Issued:** 30 October 2023

Note: This Emergency 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, or Annex Vb Part ML.A.301, as applicable, 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 Annex Vb Part ML.A.303, as applicable] 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:** 01 November 2023

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

**Foreign AD:** Not applicable

**Supersedure:** None

## ATA 25 – Equipment / Furnishings – Float Assemblies – Replacement

**Manufacturer(s):**

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

**Applicability:**

Leonardo AW169 helicopters, all serial numbers (s/n).

**Definitions:**

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

**The ASB:** Leonardo S.p.A. Alert Service Bulletin (ASB) 169-257.

**Group 1 affected part(s):** DART Aerospace aft float with life raft assembly, having Part Number (P/N) 6F9560V01931 or P/N 6F9560V02031, and a s/n listed in Table 1 of the ASB, except parts marked with letter “R” after the s/n.

**Group 2 affected part(s):** DART Aerospace forward float assembly, having P/N 6F9560V01731 or P/N 6F9560V01831, and a s/n listed in Table 2.A of the ASB; DART Aerospace aft float with life raft assembly, having P/N 6F9560V01931 or P/N 6F9560V02031, and a s/n listed in Table 2.B of the ASB; except parts marked with letter “R” after the s/n.



**Serviceable part:** DART Aerospace forward and aft float assembly eligible for installation and having an s/n not listed in Table 1, Table 2.A or Table 2.B of the ASB, or Group 1 and Group 2 affected part(s) marked with letter “R” after the s/n.

**Helicopter Groups:** Group A helicopters are those that have an affected part (Group 1 or Group 2) installed. Group B helicopters are those that do not have an affected part installed.

**Reason:**

Manufacturing deficiencies were reported affecting three defined batches of DART Aerospace forward and aft float assemblies.

This condition, if not corrected, could lead to float assembly failure, possibly preventing a timely egress from the helicopter during ditching event and consequent injury to helicopter occupants.

To address this potential unsafe condition, Leonardo issued the ASB to provide replacement instructions.

For the reasons described above this AD requires replacement of each affected part, as defined in this AD, with a serviceable part and introduces part(s) installation requirement.

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

Required as indicated, unless accomplished previously:

**Replacement:**

- (1) For Group A helicopters: Within the compliance time defined in Table 1 of this AD, as applicable, replace each affected part with a serviceable part in accordance with the instructions of the ASB.

Table 1 – Float Assembly Replacement

Affected Part Group	Compliance Time
Group 1	Within 25 flight hours after the effective date of this AD
Group 2	Within 24 months or during next accomplishment of maintenance task 95-24 or 95-25 in accordance with the Leonardo Aircraft Maintenance Manual Data Module (DM) 69-A-05-21-00-00A-028A-A, whichever occurs first after the effective date of this AD

**Alternative Method:**

- (2) Deactivating the emergency flotation system of a helicopter in accordance with the instructions of the ASB is an acceptable method to comply with the replacement requirement of paragraph (1) of this AD for that helicopter. After replacement of each affected part with serviceable part(s), it is allowed to reactivate the emergency flotation system in accordance with approved Leonardo maintenance instructions.

**Part(s) Installation:**

- (3) For Group A and Group B helicopters: From the effective date of this AD, do not install any affected part on a helicopter.



**Ref. Publications:**

Leonardo S.p.A. ASB 169-257 original issue dated 30 October 2023.

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. The results of the safety assessment have indicated the need for immediate publication and notification, without the full consultation process.
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. 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](#). This may include reporting on the same or similar components, other than those covered by the design to which this AD applies, if the same unsafe condition can exist or may develop on an aircraft with those components installed. Such components may be installed under an FAA Parts Manufacturer Approval (PMA), Supplemental Type Certificate (STC) or other modification.
5. For any question concerning the technical content of the requirements in this AD, please contact: Leonardo S.p.A. Helicopters,  
E-mail: [engineering.support.lhd@leonardo.com](mailto:engineering.support.lhd@leonardo.com).

