



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.
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.

