



Airworthiness Directive

AD No.: 2023-0101

Issued: 15 May 2023

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, 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):

AB139 and AW139 helicopters

Effective Date: 29 May 2023

TCDS Number(s): EASA.R.006

Foreign AD: Not applicable

Supersedure: None

ATA 25 – Equipment/Furnishings – Life Raft Inflation System – Replacement

Manufacturer(s):

Leonardo S.p.A. Helicopters, formerly Finmeccanica S.p.A, AgustaWestland S.p.A., Agusta S.p.A.; and AgustaWestland Philadelphia Corporation, formerly Agusta Aerospace Corporation

Applicability:

AB139 and AW139 helicopters, all serial numbers (s/n).

Definitions:

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

The ASB: Leonardo Alert Service Bulletin (ASB) 139-734.

Affected part: Life raft inflation systems Part Number (P/N) 202402A (45521002) and P/N 202256A (45521003) that have an s/n as specified in the ASB; except those that have been modified in accordance with the instructions of Aero Sekur Service Bulletin (SB) SB-139-25-005 or Survitec SB 25-225-A.

Serviceable part: Any life raft inflation system P/N 202402A (45521002) and P/N 202256A (45521003) that is not an affected part, as defined in this AD.



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.

Reason:

Occurrences were reported of damaged spare inflation systems of the life raft kits P/N 3G9560F00111, P/N 3G9560F00112 and P/N 4G2560F00811. Subsequent investigation results revealed that the damage has been caused by the inappropriate shipment of the parts.

This condition, if not corrected, may lead to inability to inflate a life raft, possibly affecting the safe evacuation of occupants in case of ditching.

To address this potential unsafe condition, Leonardo issued the ASB to provide the list of affected parts and replacement instructions.

For the reason described above, this AD requires replacement of the affected parts.

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

Required as indicated, unless accomplished previously:

Replacement:

- (1) For Group 1 helicopters: Within 300 flight hours or 12 months, whichever occurs first after the effective date of this AD, replace any affected part with a serviceable part in accordance with the instructions of section 3 of the ASB.

Part(s) Installation:

- (2) For Group 1 and Group 2 helicopters: From the effective date of this AD, do not install an affected part on any helicopter.

Ref. Publications:

Leonardo ASB 139-734 original issue dated 13 April 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. This AD was posted on 13 April 2023 as PAD 23-046 for consultation until 11 May 2023. The Comment Response Document can be found in the [EASA Safety Publications Tool](#), in the compressed (zipped) file attached to the record for this AD.
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.

