



## Airworthiness Directive

**AD No.:** 2017-0256

**Issued:** 22 December 2017

Note: This Airworthiness Directive (AD) is issued by EASA, acting in accordance with Regulation (EC) 216/2008 on behalf of the European Union, its Member States and of the European third countries that participate in the activities of EASA under Article 66 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 (EC) 216/2008, Article 14(4) exemption].

### Design Approval Holder's Name:

LEONARDO S.p.A.

### Type/Model designation(s):

AW189 helicopters

**Effective Date:** 29 December 2017

**TCDS Number(s):** EASA.R.510

**Foreign AD:** Not applicable

**Supersedure:** None

## ATA 25 – Equipment & Furnishings – Emergency Flotation System – Inspection

### Manufacturer(s):

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

### Applicability:

Leonardo AW189 helicopters, all serial numbers, if equipped with an Aero Sekur Emergency Flotation System (EFS) float assembly, having a Part Number (P/N) and serial number (s/n) as indicated in Appendix 1 of this AD, except if Aero Sekur SB-189-25-004 has been applied (SB number marked on part identification label and part logcard) on that float assembly.

### Reason:

Corrosion was detected in service on the banjo fitting P/N 311793A installed on the inlet check valves of the EFS float assemblies.

This condition, if not detected and corrected, could lead to reduced inflation functionality of the EFS of the helicopter, possibly affecting the helicopter buoyancy capability in a ditching event.

To address this potential unsafe condition, Leonardo issued Alert Service Bulletin (ASB) 189-174, providing maintenance instructions for affected EFS float assemblies.

For the reason described above, this AD requires a one-time visual inspection of all banjo fittings of each affected EFS float assembly, replacement in case of findings, and application of corrosion inhibiting compounds.



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

Required as indicated, unless accomplished previously:

Note 1: For the purpose of this AD, an EFS float assembly, as listed in Appendix 1 of this AD, on which Aero Sekur SB-189-25-004 has not been applied, is hereafter referred to in this AD as “affected EFS float assembly”.

**Inspection:**

- (1) Within the compliance time as specified in Table 1 of this AD, visually inspect all banjo fittings P/N 311793A of each affected EFS float assembly in accordance with the instructions of Leonardo ASB 189-174.

Table 1 – Banjo Fitting Inspection

EFS Condition	Compliance Time
Modified in accordance with Leonardo SB 189-135 or Aerosekur SB-189-25-003 (EASA AD 2016-0263-E)	Within 12 months after that modification
Not modified in accordance with Leonardo SB 189-135 or Aerosekur SB-189-25-003 (EASA AD 2016-0263-E)	Within 6 months after the effective date of this AD

**Corrective action(s):**

- (2) If, during the inspection as required by paragraph (1) of this AD, any corrosion is found on any banjo fitting of an affected EFS float assembly, before next flight, replace that banjo fitting with a serviceable part in accordance with the instructions of Leonardo ASB 189-174.
- (3) Concurrently with the inspection as required by paragraph (1) of this AD, or with accomplishment of the corrective action(s) as required by paragraph (2) of this AD, as applicable, apply corrosion inhibiting compounds to all banjo fittings of each affected EFS float assembly in accordance with the instructions of Leonardo ASB 189-174.

**Parts installation:**

- (4) From the effective date of this AD, installation on a helicopter of an affected EFS float assembly (see Note 1 of this AD) is allowed, provided that, prior to installation, all banjo fittings have passed an inspection (no corrosion found), or corrective action(s), depending on findings, have been accomplished, as applicable, and corrosion inhibiting compounds have been applied, in accordance with the instructions of Leonardo ASB 189-174, or Aero Sekur SB-189-25-004.

**Ref. Publications:**

Leonardo S.p.A. Helicopters ASB 189-174 original issue, dated 22 December 2017.

The use of later approved revisions of the above-mentioned document is acceptable for compliance with the requirements of this AD.

Aero Sekur SB-189-25-004 original issue, dated 22 November 2017.



**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 Safety Information Section, Certification Directorate. E-mail: [ADs@easa.europa.eu](mailto:ADs@easa.europa.eu).
4. For any question concerning the technical content of the requirements in this AD, please contact: Leonardo S.p.A. Helicopters, E-mail: [PSE\\_AW189.MBX@leonardocompany.com](mailto:PSE_AW189.MBX@leonardocompany.com).

Appendix 1 – Affected EFS Float assembly – Location, P/N and s/n

Location	Leonardo P/N (Aero Sekur P/N)	s/n
Float assembly LH FWD	8G9560V00131 (310633A)	up to s/n 075 inclusive, except s/n 073 and 074
Float assembly RH FWD	8G9560V00231 (310634A)	up to s/n 073 inclusive
Float assembly LH aft	8G9560V00331 (310635A)	up to s/n 073 inclusive
Float assembly RH aft	8G9560V00431 (310636A)	up to s/n 075 inclusive

