

**Table 2 to Paragraph (g)(2) – Compliance Time for Removal of 3rd-Stage Compressor Wheel on AE 3007A1E Model Turbofan Engines**

<b>CSN on the 3<sup>rd</sup> Stage Compressor Wheel as of April 14, 2020</b>	<b>Remove Prior to Accumulating (in cycles) After the Effective Date of this AD</b>
7,000 or more	25
4,100 to 6,999	200
Fewer than 4,100	Before reaching 5,100 CSN or at the next engine shop visit after the effective date of this AD, whichever occurs first.

#### (h) Definitions

(1) For the purpose of this AD, a part eligible for installation is a 3rd-stage compressor wheel that does not have a P/N and a serial number listed in the Applicability, paragraph (c) of this AD.

(2) For the purpose of this AD, an “engine shop visit” is the induction of an engine into the shop for maintenance involving the separation of pairs of major mating engine flanges, except that the separation of engine flanges solely for the purposes of transportation of the engine without subsequent engine maintenance does not constitute an engine shop visit.

#### (i) Special Flight Permit

(1) Special flight permits, as described in Section 21.197 and Section 21.199 of the Federal Aviation Regulations (14 CFR 21.197 and 21.199), are subject to the requirements of paragraph (i)(1)(i) of this AD.

(i) Operators may perform a one-time non-revenue ferry flight to a location where the engine can be removed from service. This ferry flight must be performed with only essential flight crew.

(ii) [Reserved]

(2) [Reserved]

#### (j) Alternative Methods of Compliance (AMOCs)

(1) The Manager, Chicago ACO, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. In accordance with 14 CFR 39.19, send your request to your principal inspector or local Flight Standards District Office, as appropriate. If sending information directly to the manager of the certification office, send it to the attention of the person identified in paragraph (k) of this AD.

(2) Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the local flight standards district office/certificate holding district office.

#### (k) Related Information

For more information about this AD, contact Kyri Zaroyiannis, Aerospace Engineer, Chicago ACO, FAA, 2300 E Devon Ave., Des Plaines, IL 60018; phone: (847) 294-7836; fax: (847) 294-7834; email: [kyri.zaroyiannis@faa.gov](mailto:kyri.zaroyiannis@faa.gov).

#### (l) Material Incorporated by Reference

None.

Issued on July 28, 2020.

**Gaetano A. Sciortino,**

*Deputy Director for Strategic Initiatives, Compliance & Airworthiness Division, Aircraft Certification Service.*

[FR Doc. 2020-16680 Filed 7-28-20; 4:15 pm]

**BILLING CODE 4910-13-P**

## DEPARTMENT OF TRANSPORTATION

### Federal Aviation Administration

#### 14 CFR Part 39

**[Docket No. FAA-2020-0215; Product Identifier 2018-SW-088-AD; Amendment 39-21181; AD 2020-15-18]**

**RIN 2120-AA64**

#### **Airworthiness Directives; Leonardo S.p.A. Helicopters**

**AGENCY:** Federal Aviation Administration (FAA), Department of Transportation (DOT).

**ACTION:** Final rule.

**SUMMARY:** The FAA is adopting a new airworthiness directive (AD) for certain Leonardo S.p.A. (Leonardo) Model AB139, AW139, AW169, and AW189 helicopters. This AD was prompted by reports of uncommanded deployment of the emergency flotation system (EFS) due to improper accomplishment of the reset procedure of the shape memory alloy (SMA) inflation system actuation device. This AD requires removal of affected SMA inflation systems and installation of serviceable SMA inflation systems. The FAA is issuing this AD to address the unsafe condition on these products.

**DATES:** This AD is effective September 3, 2020.

The Director of the Federal Register approved the incorporation by reference of a certain publication listed in this AD as of September 3, 2020.

**ADDRESSES:** For service information identified in this final rule, contact Leonardo S.p.A. Helicopters, Emanuele

Bufano, Head of Airworthiness, Viale G. Agusta 520, 21017 C. Costa di Samarate (Va) Italy; telephone +39-0331-225074; fax +39-0331-229046; or at <https://www.leonardocompany.com/en/home>. You may view this service information at the FAA, Office of the Regional Counsel, Southwest Region, 10101 Hillwood Pkwy., Room 6N-321, Fort Worth, TX 76177. For information on the availability of this material at the FAA, call 817-222-5110. It is also available on the internet at <https://www.regulations.gov> by searching for and locating Docket No. FAA-2020-0215.

#### **Examining the AD Docket**

You may examine the AD docket on the internet at <https://www.regulations.gov> by searching for and locating Docket No. FAA-2020-0215; or in person at Docket Operations between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The AD docket contains this final rule, any comments received, and other information. The address for Docket Operations is U.S. Department of Transportation, Docket Operations, M-30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue SE, Washington, DC 20590.

#### **FOR FURTHER INFORMATION CONTACT:**

Kristi Bradley, Aviation Safety Engineer, Safety Management Section, Rotorcraft Standards Branch, FAA, 10101 Hillwood Pkwy., Fort Worth, TX 76177; telephone 817-222-5485; email [Kristin.Bradley@faa.gov](mailto:Kristin.Bradley@faa.gov).

#### **SUPPLEMENTARY INFORMATION:**

##### **Discussion**

The FAA issued a notice of proposed rulemaking (NPRM) to amend 14 CFR part 39 by adding an AD that would apply to certain Leonardo Model AB139, AW139, AW169, and AW189 helicopters. The NPRM published in the **Federal Register** on April 14, 2020 (85 FR 20618). The NPRM was prompted by reports of uncommanded deployment of

the EFS due to improper accomplishment of the reset procedure of the SMA inflation system actuation device. The NPRM proposed to require removal of affected SMA inflation systems and installation of serviceable SMA inflation systems. The FAA is issuing this AD to address uncommanded EFS deployment, which could result in reduced control of the helicopter.

The European Aviation Safety Agency (now European Union Aviation Safety Agency) (EASA), which is the Technical Agent for the Member States of the European Union, has issued EASA AD 2018-0208, dated September 20, 2018 (referred to after this as the Mandatory Continuing Airworthiness Information, or “the MCAI”), to correct an unsafe condition for certain Leonardo Model AB139, AW139, AW169, and AW189 helicopters. You may examine the MCAI in the AD docket on the internet at <https://www.regulations.gov> by searching for and locating Docket No. FAA-2020-0215.

Comments

The FAA gave the public the opportunity to participate in developing this final rule. After the NPRM was published, the FAA received a comment from one commenter. However, the comment addressed neither the proposed actions nor the determination of the cost to the public. Therefore, the FAA has made no changes based on this comment.

Conclusion

The FAA reviewed the relevant data and determined that air safety and the public interest require adopting this final rule as proposed, except for minor editorial changes. The FAA has determined that these minor changes:

- Are consistent with the intent that was proposed in the NPRM for addressing the unsafe condition; and
- Do not add any additional burden upon the public than was already proposed in the NPRM.

Related Service Information Under 1 CFR Part 51

Leonardo Helicopters has issued Alert Service Bulletin (ASB) No. 139-533, dated August 30, 2018; ASB No. 169-099, dated August 30, 2018; and ASB No. 189-195, dated August 30, 2018. This service information describes procedures for removal of affected SMA inflation systems and installation of serviceable SMA inflation systems (including correcting the SMA inflation system by performing a reset procedure). These documents are distinct since they apply to different helicopter models.

This service information is reasonably available because the interested parties have access to it through their normal course of business or by the means identified in the ADDRESSES section.

Costs of Compliance

The FAA estimates that this AD affects 138 helicopters of U.S. registry. The FAA estimates the following costs to comply with this AD:

ESTIMATED COSTS FOR REQUIRED ACTIONS

Labor cost	Parts cost	Cost per product	Cost on U.S. operators
Up to 7 work-hours × \$85 per hour = Up to \$595 .....	\$*	Up to \$595* .....	Up to \$82,110.*

\* The FAA has received no definitive data that would enable the FAA to provide parts cost estimates for the actions specified in this AD.

Authority for This Rulemaking

Title 49 of the United States Code specifies the FAA’s authority to issue rules on aviation safety. Subtitle I, section 106, describes the authority of the FAA Administrator. Subtitle VII: Aviation Programs, describes in more detail the scope of the Agency’s authority.

The FAA is issuing this rulemaking under the authority described in Subtitle VII, Part A, Subpart III, Section 44701: General requirements. Under that section, Congress charges the FAA with promoting safe flight of civil aircraft in air commerce by prescribing regulations for practices, methods, and procedures the Administrator finds necessary for safety in air commerce. This regulation is within the scope of that authority because it addresses an unsafe condition that is likely to exist or develop on products identified in this rulemaking action.

Regulatory Findings

This AD will not have federalism implications under Executive Order 13132. This AD will not have a substantial direct effect on the States, on the relationship between the national

government and the States, or on the distribution of power and responsibilities among the various levels of government.

For the reasons discussed above, I certify that this AD:

- (1) Is not a “significant regulatory action” under Executive Order 12866,
- (2) Will not affect intrastate aviation in Alaska, and
- (3) Will not have a significant economic impact, positive or negative, on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

List of Subjects in 14 CFR Part 39

Air transportation, Aircraft, Aviation safety, Incorporation by reference, Safety.

Adoption of the Amendment

Accordingly, under the authority delegated to me by the Administrator, the FAA amends 14 CFR part 39 as follows:

PART 39—AIRWORTHINESS DIRECTIVES

- 1. The authority citation for part 39 continues to read as follows:

Authority: 49 U.S.C. 106(g), 40113, 44701.

§ 39.13 [Amended]

- 2. The FAA amends § 39.13 by adding the following new airworthiness directive (AD):

**2020-15-18 Leonardo S.p.A.:** Amendment 39-21181; Docket No. FAA-2020-0215; Product Identifier 2018-SW-088-AD.

(a) Effective Date

This AD is effective September 3, 2020.

(b) Affected ADs

None.

(c) Applicability

This AD applies to the Leonardo S.p.A. helicopters identified in paragraphs (c)(1) through (3) of this AD, certificated in any category.

- (1) Model AB139 and AW139 helicopters, all serial numbers, equipped with an emergency flotation system (EFS) float assembly having part number (P/N) 3G9560V00332, 3G9560V00432, 3G9560V01432, or 3G9560V01532.

- (2) Model AW169 helicopters, all serial numbers, equipped with an EFS float assembly having any part number.

- (3) Model AW189 helicopters, all serial numbers, equipped with an EFS float assembly having P/N 8G9560V00331 or 8G9560V00431.

**(d) Subject**

Joint Aircraft Service Component (JASC)  
Code 3212, Emergency Flotation Section.

**(e) Reason**

This AD was prompted by reports of uncommanded deployment of the EFS due to improper accomplishment of the reset procedure of the shape memory alloy (SMA) inflation system actuation device. The FAA is issuing this AD to address uncommanded EFS deployment, which could result in reduced control of the helicopter.

**(f) Compliance**

Comply with this AD within the compliance times specified, unless already done.

**(g) Definitions**

(1) An “affected part” is an SMA inflation system having P/N 3G9560V01052 (Model AB139 and AW139 helicopters), P/N 6F9560V00551 (Model AW169 helicopters), or P/N 8G9560V01751 (Model AW189 helicopters), as applicable, with a serial number specified in Figure 1 to paragraph

(g)(1) of this AD except those which have been corrected in accordance with the Accomplishment Instructions of Leonardo Helicopters Alert Service Bulletin (ASB) No. 139–533, dated August 30, 2018 (ASB–139–153); Leonardo Helicopters ASB No. 169–099, dated August 30, 2018 (ASB 169–099); or Leonardo Helicopters ASB No. 189–195, dated August 30, 2018 (ASB 189–195); as applicable.

**Figure 1 to Paragraph (g)(1) – Affected parts**

Helicopter Model	Affected part serial numbers (s/n)
AB139 and AW139	Up to s/n 1801 inclusive, except s/n 1783 and s/n 1784
AW169	Up to s/n 67 inclusive
AW189	Up to s/n 182 inclusive, except s/n 117

(2) A “serviceable part” is an affected part that has been corrected in accordance with the Accomplishment Instructions of ASB 139–533; ASB 169–099; or ASB 189–195; as applicable; or a part that is not affected.

**(h) Removal and Installation**

At the applicable compliance time specified in Figure 2 to paragraph (h) of this AD, remove each affected part from the

helicopter and install a serviceable part. This may be done in accordance with the Accomplishment Instructions of ASB 139–533; ASB 169–099; or ASB 189–195; as applicable.

**Figure 2 to Paragraph (h) – Removal and installation compliance times**

Helicopter Model	Compliance time (after the effective date of this AD)
AB139 and AW139	100 hours time-in-service (TIS)
AW169	45 hours TIS
AW189	

**BILLING CODE 4910–13–C****(i) Parts Installation Prohibition**

As of the effective date of this AD, no person may install an affected part on any helicopter.

**(j) Alternative Methods of Compliance (AMOCs)**

(1) The Manager, Rotorcraft Standards Branch, FAA, may approve AMOCs for this AD. Send your proposal to: Kristi Bradley, Aerospace Engineer, Safety Management Section, Rotorcraft Standards Branch, FAA, 10101 Hillwood Pkwy., Fort Worth, TX 76177; telephone 817–222–5110; email [9-ASW-FTW-AMOC-Requests@faa.gov](mailto:9-ASW-FTW-AMOC-Requests@faa.gov).

(2) For operations conducted under a 14 CFR part 119 operating certificate or under 14 CFR part 91, subpart K, notify your principal inspector or lacking a principal inspector, the manager of the local flight standards district office or certificate holding district office, before operating any aircraft complying with this AD through an AMOC.

**(k) Related Information**

(1) The subject of this AD is addressed in European Aviation Safety Agency (now European Union Aviation Safety Agency) (EASA) AD 2018–0208, dated September 20, 2018. This EASA AD may be found in the AD docket on the internet at <https://www.regulations.gov> by searching for and locating Docket No. FAA–2020–0215.

(2) For more information about this AD, contact Kristi Bradley, Aviation Safety Engineer, Safety Management Section, Rotorcraft Standards Branch, FAA, 10101 Hillwood Pkwy., Fort Worth, TX 76177; telephone 817–222–5485; email [Kristin.Bradley@faa.gov](mailto:Kristin.Bradley@faa.gov).

**(l) Material Incorporated by Reference**

(1) The Director of the Federal Register approved the incorporation by reference (IBR) of the service information listed in this paragraph under 5 U.S.C. 552(a) and 1 CFR part 51.

(2) You must use this service information as applicable to do the actions required by this AD, unless this AD specifies otherwise.

(i) Leonardo Helicopters Alert Service Bulletin No. 139–533, dated August 30, 2018.

(ii) Leonardo Helicopters Alert Service Bulletin No. 169–099, dated August 30, 2018.

(iii) Leonardo Helicopters Alert Service Bulletin No. 189–195, dated August 30, 2018.

(3) For service information identified in this AD, contact Leonardo S.p.A. Helicopters, Emanuele Bufano, Head of Airworthiness, Viale G. Agusta 520, 21017 C. Costa di Samarate (Va) Italy; telephone +39–0331–225074; fax +39–0331–229046; or at <https://www.leonardocompany.com/en/home>.

(4) You may view this service information at the FAA, Office of the Regional Counsel, Southwest Region, 10101 Hillwood Pkwy., Room 6N–321, Fort Worth, TX 76177. For information on the availability of this material at the FAA, call (817) 222–5110.

(5) You may view this service information that is incorporated by reference at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, email [fedreg.legal@nara.gov](mailto:fedreg.legal@nara.gov), or go to: <https://www.archives.gov>

[www.archives.gov/federal-register/cfr/ibr-locations.html](http://www.archives.gov/federal-register/cfr/ibr-locations.html).

Issued on July 16, 2020.

**Lance T. Gant,**

*Director, Compliance & Airworthiness  
Division, Aircraft Certification Service.*

[FR Doc. 2020-16408 Filed 7-29-20; 8:45 am]

**BILLING CODE 4910-13-P**

## DEPARTMENT OF TRANSPORTATION

### Federal Aviation Administration

#### 14 CFR Part 39

[Docket No. FAA-2020-0588; Product  
Identifier 2020-NM-048-AD; Amendment  
39-21173; AD 2020-15-10]

**RIN 2120-AA64**

#### Airworthiness Directives; Airbus SAS Airplanes

**AGENCY:** Federal Aviation  
Administration (FAA), DOT.

**ACTION:** Final rule; request for  
comments.

**SUMMARY:** The FAA is adopting a new airworthiness directive (AD) for certain Airbus SAS Model A350-941 airplanes. This AD was prompted by reports of improperly locked diagonal struts located in a certain section of the fuselage; the teeth of the lock washers were incorrectly engaged, which could lead to a loss of tightening torque of an affected strut. This AD requires inspecting the diagonal strut for correct installation and for correct locking of the lock washers, and corrective actions if necessary, as specified in a European Union Aviation Safety Agency (EASA) AD, which is incorporated by reference. The FAA is issuing this AD to address the unsafe condition on these products.

**DATES:** This AD becomes effective  
August 14, 2020.

The Director of the Federal Register approved the incorporation by reference of a certain publication listed in this AD as of August 14, 2020.

The FAA must receive comments on this AD by September 14, 2020.

**ADDRESSES:** You may send comments, using the procedures found in 14 CFR 11.43 and 11.45, by any of the following methods:

- *Federal eRulemaking Portal:* Go to <https://www.regulations.gov>. Follow the instructions for submitting comments.
- *Fax:* 202-493-2251.
- *Mail:* U.S. Department of Transportation, Docket Operations, M-30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue SE, Washington, DC 20590.
- *Hand Delivery:* U.S. Department of Transportation, Docket Operations, M-

30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue SE, Washington, DC 20590, between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays.

For the material identified in this AD that is incorporated by reference (IBR), contact the EASA, Konrad-Adenauer-Ufer 3, 50668 Cologne, Germany; telephone +49 221 89990 1000; email [ADs@easa.europa.eu](mailto:ADs@easa.europa.eu); internet [www.easa.europa.eu](http://www.easa.europa.eu). You may view this IBR material at the FAA, Airworthiness Products Section, Operational Safety Branch, 2200 South 216th St., Des Moines, WA. For information on the availability of this material at the FAA, call 206-231-3195. It is also available in the AD docket on the internet at <https://www.regulations.gov> by searching for and locating Docket No. FAA-2020-0588.

#### Examining the AD Docket

You may examine the AD docket on the internet at <https://www.regulations.gov> by searching for and locating Docket No. FAA-2020-0588; or in person at Docket Operations between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The AD docket contains this AD, any comments received, and other information. The street address for Docket Operations is listed above. Comments will be available in the AD docket shortly after receipt.

#### FOR FURTHER INFORMATION CONTACT:

Kathleen Arrigotti, Aerospace Engineer, Large Aircraft Section, International Validation Branch, FAA, 2200 South 216th St., Des Moines, WA 98198; telephone and fax 206-231-3218; email [kathleen.arrigotti@faa.gov](mailto:kathleen.arrigotti@faa.gov).

#### SUPPLEMENTARY INFORMATION:

##### Discussion

The EASA, which is the Technical Agent for the Member States of the European Union, has issued EASA AD 2020-0071, dated March 25, 2020 ("EASA AD 2020-0071") (also referred to as the Mandatory Continuing Airworthiness Information, or "the MCAI"), to correct an unsafe condition for certain Airbus SAS Model A350-941 airplanes.

This AD was prompted by reports of improperly locked diagonal struts located in a certain section of the fuselage; the teeth of the lock washers were incorrectly engaged, which could lead to a loss of tightening torque of an affected strut. The FAA is issuing this AD to address this condition, which could affect the structural integrity of the surrounding parts, possibly resulting in failure of the horizontal tail plane

attachments or rear cone joints, and consequent reduction or loss of control of the airplane. See the MCAI for additional background information.

#### Related IBR Material Under 1 CFR Part 51

EASA AD 2020-0071 describes procedures for inspecting the diagonal strut for correct installation and for correct locking of the lock washers, and corrective actions if necessary. The corrective actions include a general visual inspection of the affected strut for damage, repair of damaged struts, and re-installation of affected struts with no damage.

This material is reasonably available because the interested parties have access to it through their normal course of business or by the means identified in the **ADDRESSES** section.

#### FAA's Determination

This product has been approved by the aviation authority of another country, and is approved for operation in the United States. Pursuant to our bilateral agreement with the State of Design Authority, the FAA has been notified of the unsafe condition described in the MCAI referenced above. The FAA is issuing this AD because the FAA evaluated all pertinent information and determined the unsafe condition exists and is likely to exist or develop on other products of the same type design.

#### Requirements of This AD

This AD requires accomplishing the actions specified in EASA AD 2020-0071 described previously, as incorporated by reference, except for any differences identified as exceptions in the regulatory text of this AD.

#### Explanation of Required Compliance Information

In the FAA's ongoing efforts to improve the efficiency of the AD process, the FAA initially worked with Airbus and EASA to develop a process to use certain EASA ADs as the primary source of information for compliance with requirements for corresponding FAA ADs. The FAA has since coordinated with other manufacturers and civil aviation authorities (CAAs) to use this process. As a result, EASA AD 2020-0071 is incorporated by reference in this final rule. This AD, therefore, requires compliance with EASA AD 2020-0071 in its entirety, through that incorporation, except for any differences identified as exceptions in the regulatory text of this AD. Using common terms that are the same as the heading of a particular section in the