

Airworthiness Directive

AD No.: 2025-0051

Issued: 28 February 2025

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:

AIRBUS HELICOPTERS

AIRBUS HELICOPTERS DEUTSCHLAND GmbH
LEONARDO S.p.A.

Type/Model designation(s):

H160-B, EC 225 LP, EC 175 B, AS 332 L2
and AS 365 N3 helicopters
EC135 and MBB-BK117 helicopters
AW109SP, AB139, AW139, AW169 and
AW189 helicopters

Effective Date: 14 March 2025

TCDS Number(s): EASA.R.002, EASA.R.005, EASA.R.006, EASA.R.009, EASA.R.010, EASA.R.105,
EASA.R.150 EASA.R.509, EASA.R.510 and EASA.R.516

Foreign AD: Not applicable

Supersedure: None

ATA 25 – Equipment / Furnishings – Hoist – Replacement

Manufacturer(s):

Airbus Helicopters (AH), formerly Eurocopter, Eurocopter France, Aerospatiale, Sud Aviation

Airbus Helicopters Deutschland (AHD) GmbH, formerly Eurocopter Deutschland GmbH; and Airbus Helicopters Inc., formerly American Eurocopter LLC; Kawasaki Heavy Industries, Ltd

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:

AH H160-B, EC 225 LP, EC 175 B, AS 365 N3 and AS 332 L2 helicopters, all serial numbers (s/n).

AHD EC135 P1, EC135 P2, EC135 P2+, EC135 P3, EC135 T1, EC135 T2, EC135 T2+, EC135 T3, EC635 P2+, EC635 P3, EC635 T1, EC635 T2+ and EC635 T3 helicopters, all variants, all s/n.

AHD MBB-BK117 C-2, MBB-BK117 D-2, MBB-BK117 D-3 and MBB-BK117 D-3m helicopters, all variants, all s/n.

Leonardo AW109SP, AB139, AW139, AW169 and AW189 helicopters, all s/n.

Definitions:

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

The ASB: AH Alert Service Bulletin (ASB) H160-25-97-0011, ASB EC225-25-97-0005, ASB EC175-25-97-0001, ASB AS365-25-97-0003 or ASB AS332-25-97-0005;

AH ASB MBB-BK117-25-97-0008 or ASB EC135-25-97-0004;

Leonardo ASB 109SP-167, ASB 139-805, ASB 169-281 or ASB 189-403;

as applicable.

Affected part: Rescue hoist assembly as identified in Table 1 of this AD, as applicable, and having a s/n as identified in the ASB, except those which have been modified in accordance with the instructions of Onboard Systems (formerly Goodrich) Service Bulletin 44314-398-01 (for Leonardo helicopters) or of Onboard Systems (formerly Goodrich) Service Bulletin 44301-398-01 (for AH and AHD helicopters). The leading digit in the Rescue Hoist assembly s/n, as listed in the ASB, is irrelevant (0XXXX is the same as 4XXXX or 5XXXX). The leading digit may differ depending on prior modifications or conversions.

Table 1 – Rescue Hoist Assembly

Helicopter Type / Model	Rescue Hoist Assembly	
	Part Number	Vendor Part Number
AH H160-B	(AH reference) M259A70A1001	42325-19-106
AH EC 225 LP	(AH reference) 704A41815104	42325-16-4
	(AH reference) 704A41815124	44318-11-103
	(AH reference) 704A41815128	44318-16-103
AH EC 175 B	(AH reference) 704A41815120	42325-16-6
	(AH reference) M259A70A1001	42325-19-106



Helicopter Type / Model	Rescue Hoist Assembly	
	Part Number	Vendor Part Number
AH AS 365 N3	(AH reference) 704A41815112	42325-16-5
	(AH reference) 704A41815120	42325-16-6
AH AS 332 L2	(AH reference) 704A41815104	42325-16-4
AHD EC135	n/a	44301-10-10
	n/a	44301-10-13
	n/a	44301-12-110
	n/a	44301-12-111
	n/a	44301-12-113
	n/a	44301-12-113
AHD MBB-BK117	n/a	44301-10-4
	n/a	44301-10-7
	n/a	44301-12-113
Leonardo AW109SP	3G9521V01532	44316-12-104
Leonardo AB139/AW139	3G2591V01532	44316-12-104
Leonardo AW169	8G2591V00331	44316-10-104
	6F2591V00431	44316-10-106
Leonardo AW189	8G2591V00331	44316-10-104
	8G2591V01131	44318-11-104
	3G2591V01532	44316-12-104

Serviceable part:

For Leonardo helicopters: Affected parts which have accumulated less than 24 months, less than 1 600 lifts and less than 1 200 cycles since hoist manufacturing date or since last overload clutch replacement, as applicable;

Rescue hoist assemblies, eligible for installation in accordance with instructions issued by Leonardo, which are not affected parts.

For AH and AHD helicopters: Affected parts which have accumulated less than 24 months and less than 1 200 cycles since hoist manufacturing date or since last overload clutch replacement, as applicable;

Rescue hoist assemblies, eligible for installation in accordance with instructions issued by AH, which are not affected parts.



Groups:

Group 1 helicopters are those that have an affected rescue hoist assembly installed.

Group 1L helicopters are Group 1 Leonardo S.p.A helicopters.

Group 1A helicopters are Group 1 AH and AHD helicopters.

Group 2 helicopters are those that do not have an affected rescue hoist assembly installed.

Reason:

The manufacturer of the affected rescue hoists reported that certain hoist assemblies may have been equipped, during manufacturing or maintenance, with a non-conformant overload clutch assembly.

This condition, if not corrected, could lead to failure of the rescue hoist assembly, possibly resulting in injuries to a human load, or to persons on ground.

To address this potential unsafe condition, AH and Leonardo published the ASB, providing replacement instructions.

For the reason described above, this AD requires replacement of affected parts, and introduces conditions for (re)installation of affected parts.

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

Required as indicated by this AD, unless the action(s) required by this AD have been already accomplished:

Replacement:

- (1) For Group 1 helicopters: Within the compliance time as identified in Table 2 or Table 3 of this AD, as applicable, replace each affected part with a serviceable part in accordance with the instructions of the ASB.

Table 2 – Group 1L helicopters - Compliance Time

Compliance Time - A or B, whichever occurs later	
A	Within 24 months, 1 600 lifts or 1 200 cycles, whichever occurs first since hoist manufacturing date or since last overload clutch replacement
B	Within 30 days, 66 lifts or 50 cycles, whichever occurs first from the effective date of this AD

Table 3 – Group 1A helicopters - Compliance Time

Compliance Time - A or B, whichever occurs later	
A	Within 24 months or 1 200 cycles, whichever occurs first since hoist manufacturing date or since last overload clutch replacement
B	Within 30 days or 50 cycles, whichever occurs first from the effective date of this AD



Part(s) Installation:

- (2) For Group 1 and Group 2 helicopters: From the effective date of this AD, it is allowed to install an affected part on a helicopter, provided it is a serviceable part, as defined in this AD, and that, thereafter, it is replaced as required by paragraph (1) of this AD.

Ref. Publications:

AH ASB H160-25-97-0011 original issue dated 05 February 2025.

AH ASB EC225-25-97-0005 original issue dated 05 February 2025.

AH ASB EC175-25-97-0001 original issue dated 05 February 2025.

AH ASB AS365-25-97-0003 original issue dated 05 February 2025.

AH ASB AS332-25-97-0005 original issue dated 05 February 2025.

AH ASB MBB-BK117-25-97-0008 original issue dated 05 February 2025.

AH ASB EC135-25-97-0004 original issue dated 05 February 2025.

Leonardo ASB 109SP-167 original issue dated 02 December 2024.

Leonardo ASB 139-805 original issue dated 28 November 2024.

Leonardo ASB 169-281 original issue dated 28 November 2024.

Leonardo ASB 189-403 original issue dated 28 November 2024.

The use of later approved revisions of the above-mentioned documents 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. 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. All interested persons may send their comments, referencing the AD Number, to the E-mail address specified in below Remark 3, prior to 28 March 2025. Only if any comment is received during the consultation period, a Comment Response Document will be published in the [EASA Safety Publications Tool](#), in a 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@leonardocompany.com.

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