
SERVICE BULLETIN

N° **189-391**

RECOMMENDED

DATE: June 26, 2024

REV. : /

TITLE

ATA 25 – RESCUE HOIST CARTRIDGE TORQUE CHECK

REVISION LOG

First Issue

An appropriate entry should be made in the aircraft log book upon accomplishment.
If ownership of aircraft has changed, please, forward to new owner.

1. PLANNING INFORMATION

A. EFFECTIVITY

AW189 S/N 49032, S/N 49038, S/N 49046, S/N 49047, S/N 49052, S/N 49061, S/N 49062, S/N 49063, S/N 89001, S/N 89003, S/N 89004, S/N 89012 and S/N 89015 equipped with double rescue hoist kit P/N 8G2591F00311.

B. COMPLIANCE

NOTE

The compliance time is subject to the same tolerances as per AMPI Chap. 05 DM 89-A-05-11-00-00A-028E-P Inspection/task interval tolerances - General.

Within and not later than 6 months after the issue of this Service Bulletin.

LH recommends the implementation of this SB in accordance with the indicated compliance time, with related tolerances as applicable. It is Operator's responsibility to properly plan and execute the SB application in accordance with LH recommendations. The Operator remains liable for any deviation.

C. CONCURRENT REQUIREMENTS

N.A.

D. REASON

Leonardo helicopters identified a batch of double rescue hoists installed on AW189 helicopters on which the cutter cartridge has been installed using a tightening torque lower than the value recommended in the hoist supplier Component Maintenance Manual.

Leonardo issued this SB as corrective action, in order to restore the correct torque value of the rescue hoist cartridge.

LH issued this SB for the following reason:

Helicopter Reliability/Maintainability	✓
Product Improvement	
Obsolescence	
Customization	

Product/Capability Enhancement	
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E. DESCRIPTION

This Service Bulletin gives instruction on how to perform the correct tight on the cartridge installed on the double rescue hoist on the affected helicopters.

F. APPROVAL

The technical content of this Service Bulletin is approved under the authority of DOA nr. EASA.21.J.005. For helicopters registered under other Aviation Authorities, before applying the Service Bulletin, applicable Aviation Authority approval must be checked within Leonardo Helicopters customer portal.

EASA states mandatory compliance with inspections, modifications or technical directives and related time of compliance by means of relevant Airworthiness Directives.

If an aircraft listed in the effectivity embodies a modification or repair not LH certified and affecting the content of this Service Bulletin, it is responsibility of the Owner/Operator to obtain a formal approval by Aviation Authority having jurisdiction on the aircraft, for any adaptation necessary before incorporation of the present Service Bulletin.

G. MANPOWER

To comply with this Service Bulletin, approximately two (2) MMH are deemed necessary.

MMH are based on hands-on time and can change with helicopter configuration, personnel and facilities available. MMH are not comprehensive of the overall hours necessary to get access to work areas and to remove all the equipment that interferes with the application of the prescribed instructions.

H. WEIGHT AND BALANCE

N.A.

I. REFERENCES

I.1 PUBLICATIONS

Following Data Modules refer to AMPI:

<u>DATA MODULE</u>	<u>DESCRIPTION</u>	<u>PART</u>
DM01 89-A-05-11-00-00A-028E-P	Permitted inspection/check interval tolerances – General	-

Following Data Modules refer to AMP:

<u>DATA MODULE</u>	<u>DESCRIPTION</u>	<u>PART</u>
DM02 89-A-00-20-00-00A-120A-A	Helicopter on ground for a safe maintenance.	-
DM03 89-A-25-93-01-05A-520A-A	Cable cutter cartridge (Number 1 rescue hoist assembly) - Remove procedure	
DM04 89-A-25-93-01-05A-720A-A	Cable cutter cartridge (Number 1 rescue hoist assembly) - Install procedure	
DM05 89-A-25-93-02-06A-520A-A	Cable cutter cartridge (Number 2 rescue hoist assembly) - Remove procedure	
DM06 89-A-25-93-02-06A-720A-A	Cable cutter cartridge (Number 2 rescue hoist assembly) - Install procedure	

I.2 ACRONYMS & ABBREVIATIONS

AMP	Aircraft Maintenance Publication
AR	As Required
CMM	Component Maintenance Manual
DM	Data Module
DOA	Design Organization Approval
EASA	European Union Aviation Safety Agency
IPD	Illustrated Parts Data Publication
LH	Left Hand
MMH	Maintenance Man Hours
N.A.	Not Applicable
P/N	Part Number
RH	Right Hand
SB	Service Bulletin
S/N	Serial Number

I.3 ANNEX

N.A.

J. PUBLICATIONS AFFECTED

N.A.

K. SOFTWARE ACCOMPLISHMENT SUMMARY

N.A.

2. MATERIAL INFORMATION

A. REQUIRED MATERIALS

A.1 PARTS

Refer to IPD for the spares materials required to comply with the AMP DMs referenced in the accomplishment instructions.

A.2 CONSUMABLES

Refer to AMDI for the consumable materials required to comply with the AMP DMs referenced in the accomplishment instructions.

A.3 LOGISTIC MATRIX

N.A.

B. SPECIAL TOOLS

Refer to ITEP for the special tools required to comply with the AMP DMs referenced in the accomplishment instructions.

C. INDUSTRY SUPPORT INFORMATION

N.A.

3. ACCOMPLISHMENT INSTRUCTIONS

GENERAL NOTES

- a) Place an identification tag on all components that are re-usable, including the attaching hardware that has been removed to gain access to the modification area and adequately protect them until their later re-use.
1. In accordance with AMP DM 89-A-00-20-00-00A-120A-A, prepare the helicopter on ground for a safe maintenance. Disconnect the battery, all electrical power sources and/or the external power supply.
2. In accordance with the applicable steps of AMP DM 89-A-25-93-01-05A-520A-A, get access to the Number 1 rescue hoist cutter cartridge. Remove the safety wire and fully unscrew the cartridge without removing it.
3. In accordance with the applicable steps of AMP DM 89-A-25-93-01-05A-720A-A, torque the cutter cartridge to 5.7 thru 8.5 N m (50 thru 75 lbf in) and secure it with the safety wire.
4. In accordance with applicable steps of AMP DM 89-A-25-93-02-06A-520A-A and 89-A-25-93-02-06A-720A-A, perform again Step 2 and Step 3 for the Number 2 rescue hoist cutter cartridge.
5. Return the helicopter to flight configuration and record for compliance with this Service Bulletin on the helicopter logbook.
6. Gain access to My Communications section on [Leonardo Customer Portal](#) and compile the "Service - Technical Bulletin Application".

As an alternative, send the attached compliance form to the following mail box:

engineering.support.lhd@leonardo.com

and (for North, Central and South America) also to:

AWPC.Engineering.Support@leonardocompany.us

Please send to the following address: LEONARDO S.p.A. CUSTOMER SUPPORT & SERVICES - ITALY PRODUCT SUPPORT ENGINEERING & LICENSES DEPT. Via Giovanni Agusta, 520 21017 Cascina Costa di Samarate (VA) - ITALY Tel.: +39 0331 225036 Fax: +39 0331 225988		SERVICE BULLETIN COMPLIANCE FORM		Date:
		Number:		
		Revision:		
Customer Name and Address:			Telephone:	
			Fax:	
			B.T. Compliance Date:	
Helicopter Model	S/N	Total Number	Total Hours	T.S.O.
Remarks:				
Information: We request your cooperation in filling this form, in order to keep out statistical data relevant to aircraft configuration up-to-date. The form should be filled in all its parts and sent to the above address or you can communicate the application also via Technical Bulletin Application Communication Section placed in Leonardo AW Customer Portal - MyCommunications Area. We thank you beforehand for the information given.				