
SERVICE BULLETIN

N° **189-392**

OPTIONAL

DATE: June 25, 2024

REV. : /

TITLE

ATA 50 – BAGGAGE DOORS LATCHES RETROMOD

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

All AW189 helicopters from S/N 49007 to S/N 49053, S/N 49055, S/N 49057, from S/N 89001 to S/N 89012 and from S/N 92001 to S/N 92010.

B. COMPLIANCE

At Customer's option.

C. CONCURRENT REQUIREMENTS

N.A.

D. REASON

This Service Bulletin is issued in order to provide the necessary instruction on how to perform the installation of the “Baggage doors latches retromod” P/N 8G5010P00511.

LHD issued this SB for the following reason:

Helicopter Reliability/Maintainability	
Product Improvement	✓
Obsolescence	
Customization	
Product/Capability Enhancement	

E. DESCRIPTION

This Service Bulletin is issued in order to provide the necessary instruction on how to perform the installation of the “Baggage doors latches retromod” P/N 8G5010P00511. This retromod introduces two buttons on both of the helicopter’s baggage doors in order to make the opening easier.

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

WEIGHT (kg)	ARM (mm)	MOMENT (kg-mm)
		0.07
LONGITUDINAL BALANCE	7684.4	537.90
LATERAL BALANCE	-0.58	-0.04

I. REFERENCES

I.1 PUBLICATIONS

Following Data Modules refer to AMP:

<u>DATA MODULE</u>	<u>DESCRIPTION</u>	<u>PART</u>
DM01 89-A-00-20-00-00A-120A-A	Helicopter on ground for a safe maintenance.	-
DM02 89-A-06-41-00-00A-010A-A	Access doors and panels - General data	-

I.2 ACRONYMS & ABBREVIATIONS

AMDI	Aircraft Material Data Information
AMP	Aircraft Maintenance Publication
AR	As Required
DM	Data Module
DOA	Design Organization Approval
EASA	European Union Aviation Safety Agency
IPD	Illustrated Parts Data Publication
ITEP	Illustrated Tools and Equipment Publication
LH	Left Hand
LHD	Leonardo Helicopters Division
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

#	P/N	ALTERNATIVE P/N	DESCRIPTION	Q.TY	LVL	NOTE	LOG P/N
1	8G5010P00511		BAGGAGE DOORS LATCHES RETROMOD	REF	.		-
2	8G5010A49451		Shell	4	..		-
3	NAS1352C08-6		Screw	8	..		-

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

A.2 CONSUMABLES

The following consumable materials, or equivalent, are necessary to accomplish this Service Bulletin:

#	SPEC./LH CODE NUMBER	DESCRIPTION	Q.TY	NOTE	PART
4	ASTM-D5363 Code No. 900004956	Adhesive LOCTITE 222 (C361)	AR	(1)	-
5	AWMS05-001 Type I, Class A, Grade 2	Sealant MC-780 Class A (C465)	AR	(1)	-

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

A.3 LOGISTIC MATRIX

N.A.

NOTES

(1) Item to be procured as local supply.

B. SPECIAL TOOLS

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

C. INDUSTRY SUPPORT INFORMATION

Product improvement.

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.
 - b) Exercise extreme care during drilling operations to prevent instruments, cables and hoses damage.
 - c) After drilling, remove all swarf and sharp edges. Apply on bare metal a light film of primer unless the hole is used for ground connection.
 - d) Let adhesive cure at room temperature for at least 24 hours unless otherwise specified.
 - e) Exposed thread surface and nut must be protected using a layer of tectyl according to MIL-C-16173 grade I.
 - f) All lengths are in mm.
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 AMP DM 89-A-06-41-00-00A-010A-A and with reference to Figure 1, remove all external panels, internal panels and internal liners as required to gain access to the area affected by the installation.
 3. With reference to Figure 1 Detail C, drill n°2 thru holes $\varnothing 4.52 \div 4.65$ in the indicated positions on the baggage door latch P/N H3032-7-063.

NOTE

Apply some drops of sealant MC-780 Class A (C465) under screw head.

4. With reference to Figure 1 View A and View B, install the shell P/N 8G5010A49451 by means of adhesive LOCTITE 222 (C361) and n°2 screw P/N NAS1352C08-6 on the baggage door latch P/N H3032-7-063.
5. With reference to Figure 1 View B, seal between the baggage door latch P/N 8G5010A49451 and the shell P/N H3032-7-063 using sealant MC-780 Class A (C465).

6. Repeat steps 3 thru 5 to install the shell P/N 8G5010A49451 on the two baggage door latches P/N 8G5010A49451 of each baggage door assy.
7. In accordance with weight and balance changes, update the Chart A (see Rotorcraft Flight Manual, Part II, section 6).
8. Return the helicopter to flight configuration and record for compliance with this Service Bulletin on the helicopter logbook.
9. 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

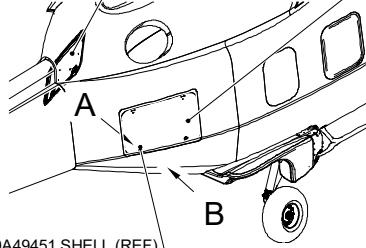
and (for North, Central and South America) also to:

AWPC.Engineering.Support@leonardocompany.us

8G5010P00511 BAGGAGE DOORS LATCHES RETROMOD

BAGGAGE DOOR ASSY LH
(REF)

BAGGAGE DOOR ASSY RH
(REF)



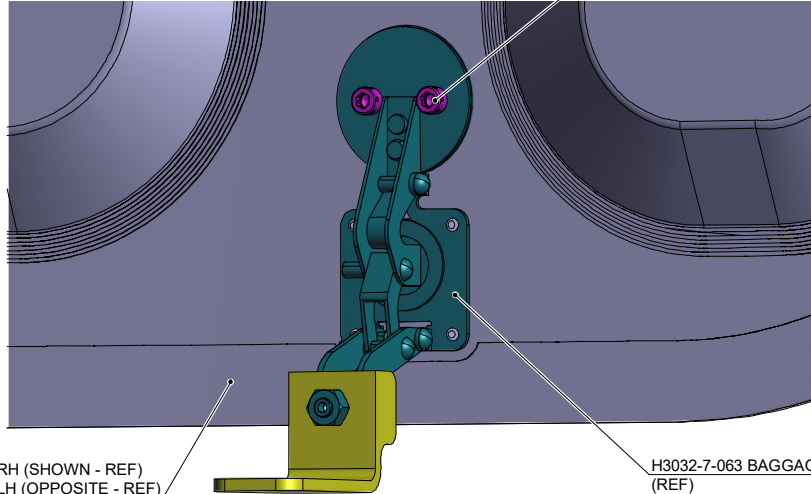
8G5010A49451 SHELL (REF)
(TYP 4 PLACES)

NOTES:

1. APPLY SOME DROPS OF SEALANT MC-780 CLASS A (C465) UNDER SCREW HEAD.
2. SEAL BETWEEN BAGGAGE DOOR LATCH P/N 8G5010A49451 AND SHELL P/N H3032-7-063 USING SEALANT MC-780 CLASS A (C465).

INSTALL:
NAS1352C08-6 SCREW (SEE NOTE 1)
(TYP 2 PLACES)

UP
FWD



BAGGAGE DOOR ASSY RH (SHOWN - REF)
BAGGAGE DOOR ASSY LH (OPPOSITE - REF)

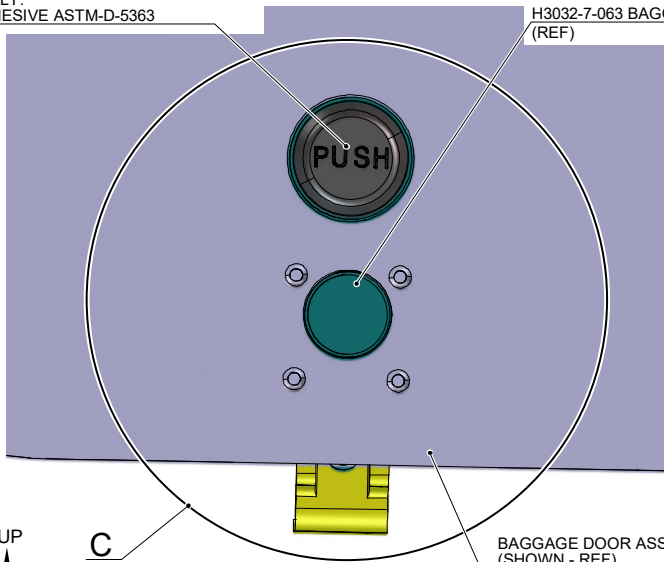
H3032-7-063 BAGGAGE DOOR LATCH
(REF)

VIEW A

(TYP 2 PLACES ON BAGGAGE DOOR ASSY RH)
(TYP 2 PLACES ON BAGGAGE DOOR ASSY LH)
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE

INSTALL:
8G5010A49451 SHELL (SEE NOTE 2)
APPLY:
ADHESIVE ASTM-D-5363

H3032-7-063 BAGGAGE DOOR LATCH
(REF)



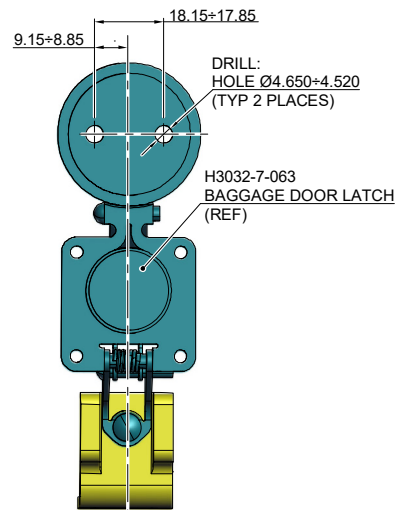
UP
FWD

C

VIEW B

(TYP 2 PLACES ON BAGGAGE DOOR ASSY RH)
(TYP 2 PLACES ON BAGGAGE DOOR ASSY LH)
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE

BAGGAGE DOOR ASSY RH
(SHOWN - REF)
BAGGAGE DOOR ASSY LH
(OPPOSITE - REF)



DETAIL C

(TYP 2 PLACES ON BAGGAGE DOOR ASSY RH)
(TYP 2 PLACES ON BAGGAGE DOOR ASSY LH)
STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE

Figure 1

S.B. N°189-392 OPTIONAL
DATE: June 25, 2024
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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.				