
SERVICE BULLETIN

N° 139-664

DATE: October 28, 2021

REV. : /

TITLE

ATA 25 - D-LOCK HOOK BREEZE HOIST INSTALLATION

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 AW139 Helicopters equipped with Breeze Eastern 90m Rescue Hoist Kit P/N 3G2591F00113.

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 hook assy D-LOK P/N 3G2591V01054.

E. DESCRIPTION

This SB is issued in order to introduce a new rescue hoist hook called D-Lock that allows swivel and adaptation to the rescue hoist's swaged ball at the end of the wire rope assembly. Also, the keeper assembly is designed to prevent unintentional opening of the hook assembly.

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 LHD 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 three (3) MMH are deemed necessary.

MMH are based on hands-on time and can change with personnel and facilities available.

H. WEIGHT AND BALANCE

N.A.

I. REFERENCES

1) PUBLICATIONS

Following Data Modules refer to AMP:

<u>DATA MODULE</u>	<u>DESCRIPTION</u>	<u>PART</u>
DM01 39-A-00-20-00-00A-120A-A	Helicopter on ground for a safe maintenance.	-
DM02 39-A-25-91-01-01A-520A-K	Hook assembly (rescue hoist) - Remove procedure	-
DM03 39-A-25-91-01-01A-720A-K	Hook assembly (rescue hoist) - Install procedure	-
DM04 39-A-25-91-01-01B-520A-K	Hook assembly (rescue hoist) - Remove procedure	-
DM05 39-A-25-91-01-01B-720A-K	Hook assembly (rescue hoist) - Install procedure	-

2) ACRONYMS & ABBREVIATIONS

AMDI	Aircraft Material Data Information
AMP	Aircraft Maintenance Publication
AR	As Required
DM	Data Module
DOA	Design Organization Approval
EASA	European Aviation Safety Agency
IPD	Illustrated Part Data
ITEP	Illustrated Tool and Equipment Publication
LH	Left Hand
LHD	Leonardo Helicopters Division
MMH	Maintenance Man Hours
N.A.	Not Applicable
P/N	Part Number
SB	Service Bulletin
S/N	Serial Number

3) ANNEX

N.A.

J. PUBLICATIONS AFFECTED

N.A.

K. SOFTWARE ACCOMPLISHMENT SUMMARY

N.A.

2. MATERIAL INFORMATION

A. REQUIRED MATERIALS

1) PARTS

#	P/N	ALTERNATIVE P/N	DESCRIPTION	Q.TY	LVL	NOTE	LOG P/N
1	3G2591P02111	3G2591P02211	RESCUE HOIST AND HOOK ASSY RETROMOD	REF	.	(1)	
2	3G2591V01054		Hook assy D-LOCK	1	..		

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

2) CONSUMABLES

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

3) LOGISTIC MATRIX

N.A.

NOTE

(1) P/N 3G2591P02111 is applicable only to AW139 helicopters equipped with hook assy P/N 3G2591V02931. Instead P/N 3G2591P02211 is applicable only to AW139 helicopters equipped with hook assy P/N 3G2591V02932.

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 enhancement.

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 39-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.

NOTE

The following step 2 is applicable to helicopters equipped with hoist and hook assy P/N 3G2591V02931.

2. With reference to Figures 1 and 3, perform the rescue hoist and hook assy retromod P/N 3G2591P02111 as described in the following procedure:
 - 2.1 In accordance with AMP DM 39-A-25-91-01-01B-520A-K and with reference to Figure 1, remove hook assy D-LOCK P/N 3G2591V01053 from the hoist and hook assy P/N 3G2591V02931.
 - 2.2 In accordance with AMP DM 39-A-25-91-01-01B-720A-K and with reference to Figure 1, install hook assy D-LOCK P/N 3G2591V01054 on the hoist and hook assy P/N 3G2591V02931.

NOTE

The following step 3 is applicable to helicopters equipped with hoist and hook assy P/N 3G2591V02932.

3. With reference to Figures 2 and 3, perform the rescue hoist and hook assy retromod P/N 3G2591P02211 as described in the following procedure:
 - 3.1 In accordance with AMP DMs 39-A-25-91-01-01A-520A-K or 39-A-25-91-01-01B-520A-K and with reference to Figure 2, remove hook assy D-LOCK P/N 3G2591V01051 or hook assy D-LOCK P/N 3G2591V01052 from the hoist and hook assy P/N 3G2591V02932.
 - 3.2 In accordance with AMP DM 39-A-25-91-01-01B-720A-K and with reference to Figure 2, install hook assy D-LOCK P/N 3G2591V01054 on the hoist and hook assy P/N 3G2591V02932.

4. Return the helicopter to flight configuration and record for compliance with this Service Bulletin on the helicopter logbook.
5. Send the attached compliance form to the following mail box:
engineering.support.lhd@leonardocompany.com

As an alternative, gain access to My Communications section on Leonardo WebPortal and compile the “Service Bulletin Application Communication”.

3G2591P0211
RESCUE HOIST AND HOOK ASSY
RETROMOD

3G2591V02931 HOIST AND HOOK ASSY
(REF)

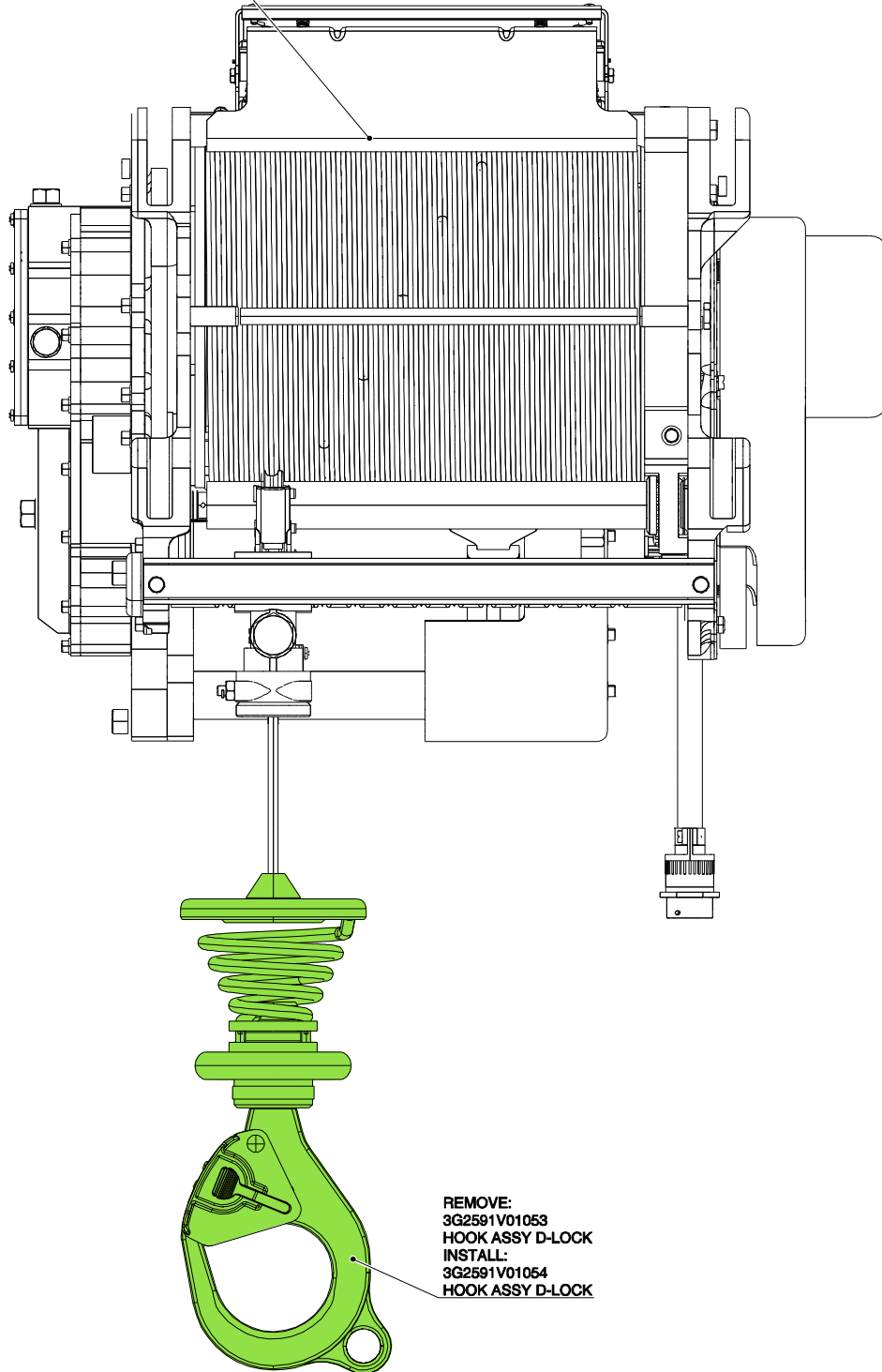


Figure 1

3G2591P02211
RESCUE HOIST AND HOOK ASSY
RETROMOD

3G2591V02832 HOIST AND HOOK ASSY
(REF)

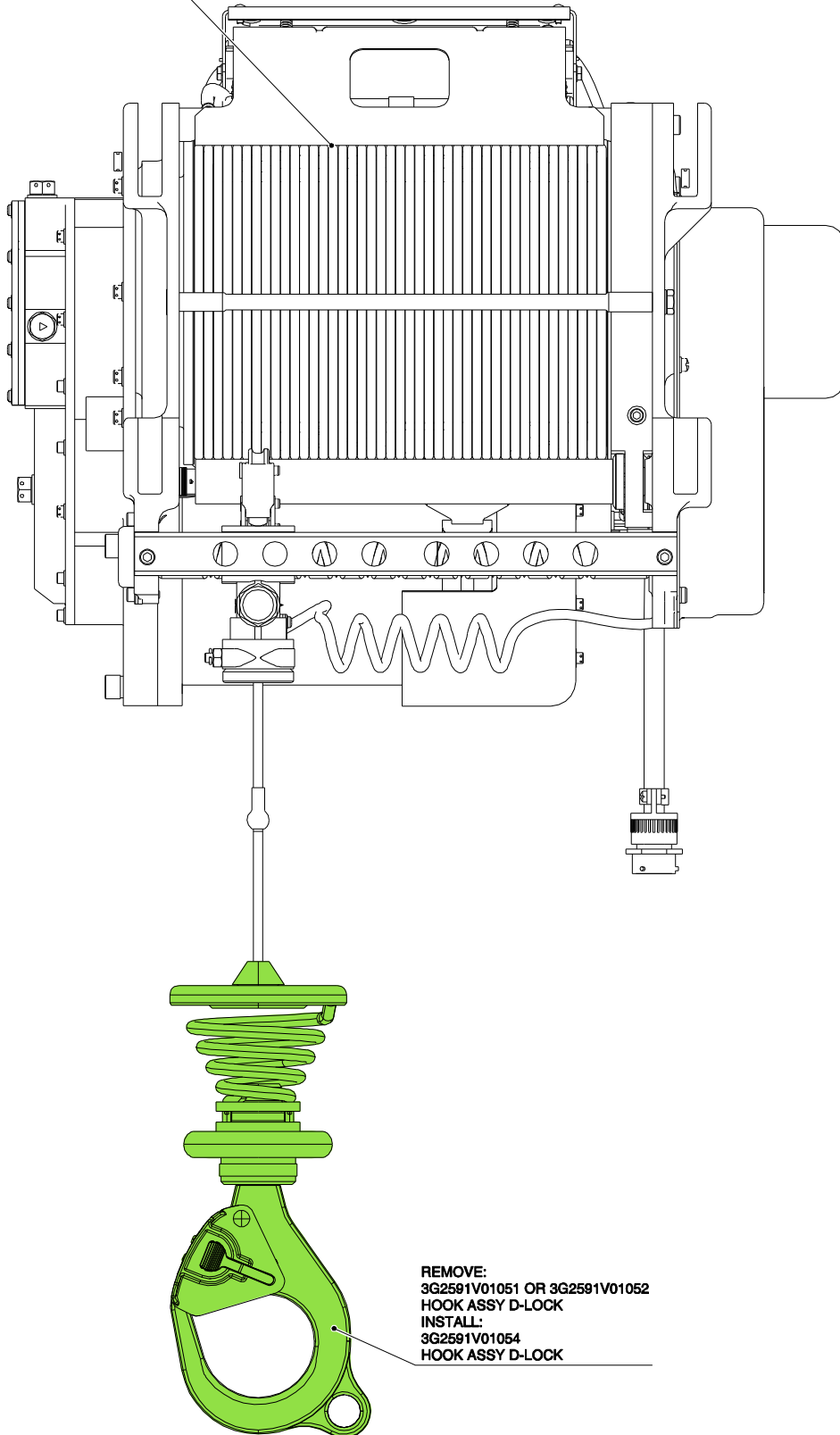
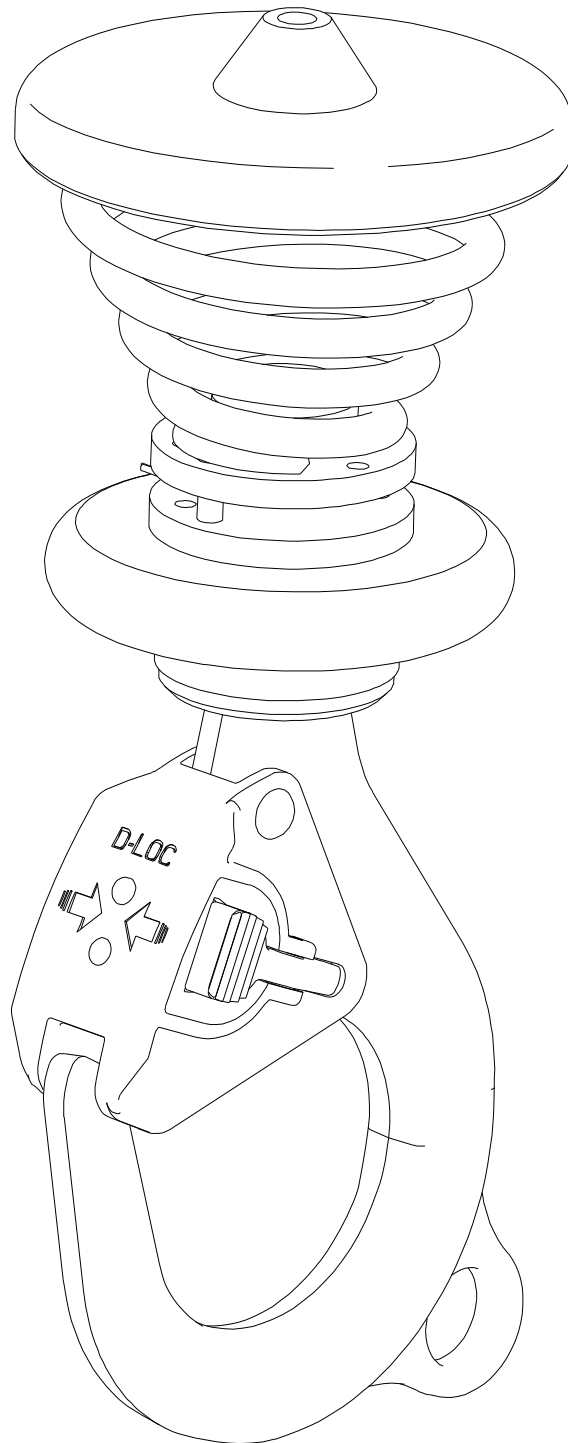


Figure 2

3G2591V01054
HOOK ASSY D-LOCK



ISOMETRIC VIEW

Figure 3

