
SERVICE BULLETIN

N° **189-310**

OPTIONAL

DATE: April 3, 2024

REV. : /

TITLE

ATA 25 – NVIS CONTROLLER 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

AW189 helicopters S/N 49054 and from S/N 49064 thru 49067.

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 complete the installation of “kit NVIS controller” P/N 8G3360F00112.

LH 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 replacement of the miscellaneous control panel installed on the helicopter with the NVG compatible one P/N 8G3110V00551 and to complete the installation of the kit NVIS controller P/N 8G3360F00112.

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 six (6) 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 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 door panels – General Data	-
DM03 89-A-11-00-01-00A-720A-A	Decal - Install procedure	-
DM04 89-A-33-11-01-00A-520A-A	Miscellaneous control panel - Remove procedure	-
DM05 89-A-33-11-01-00A-720A-A	Miscellaneous control panel – Install procedure	-

I.2 ACRONYMS & ABBREVIATIONS

AMDI	Aircraft Material Data Information
AMP	Aircraft Maintenance Publication
DM	Data Module
DOA	Design Organization Approval
EASA	European Aviation Safety Agency
MMH	Maintenance Man Hours
NVG	Night Vision Goggle

P/N Part Number
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

PART I

#	P/N	ALTERNATIVE P/N	DESCRIPTION	Q.TY	LVL	NOTE	LOG P/N
1	8G3360F00112		KIT NVIS CONTROLLER	REF	.		-
2	8G3110V00551		Miscellaneous & Lights Control Panel	1	..		-
3	999-2000-06-220		Decal	1	..		-

Refer also 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 DM referenced in the accomplishment instructions.

C. INDUSTRY SUPPORT INFORMATION

Customization.

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) Let adhesive cure at room temperature for at least 24 hours unless otherwise specified.
 - c) 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-33-11-01-00A-520A-A and with reference to Figure 1 Detail A, remove the miscellaneous control panel P/N 8G3110V00451.
 3. In accordance with AMP DM 89-A-33-11-01-00A-720A-A and with reference to Figure 1 Detail A, install the miscellaneous and lights control panel P/N 8G3110V00551.
 4. With reference to Figure 17, remove the existing decal P/N 999-2000-06-221.
 5. In accordance with AMP DM 89-A-11-00-01-00A-720A-A and with reference to Figure 2, install the decal P/N 999-2000-06-220 in the indicated position.
 6. In accordance with weight and balance changes, update the Chart A (see Rotorcraft Flight Manual, Part II, section 6).
 7. Return the helicopter to flight configuration and record for compliance with this Service Bulletin on the helicopter logbook.
 8. Gain access to My Communications section on Leonardo WebPortal and compile the "Service Bulletin Application Communication".

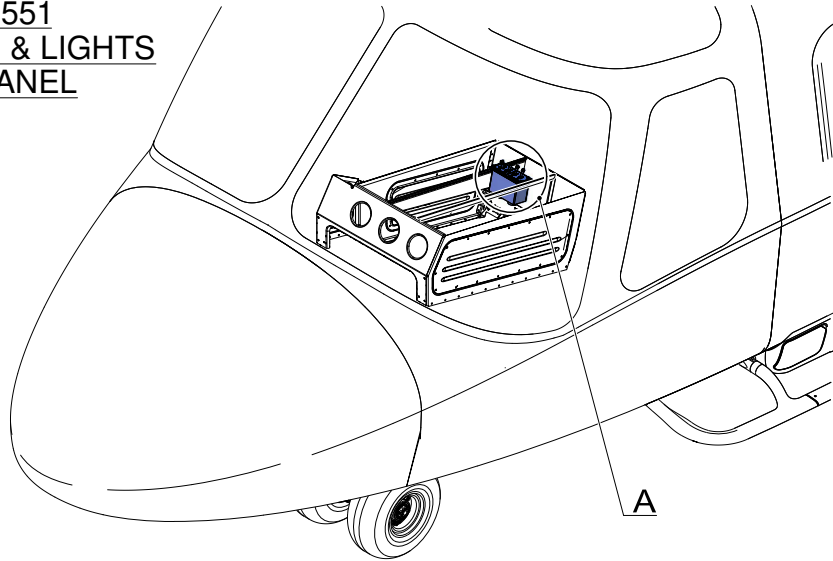
As an alternative, send the attached compliance form to the following mail box:

engineering.support.lhd@leonardo.com

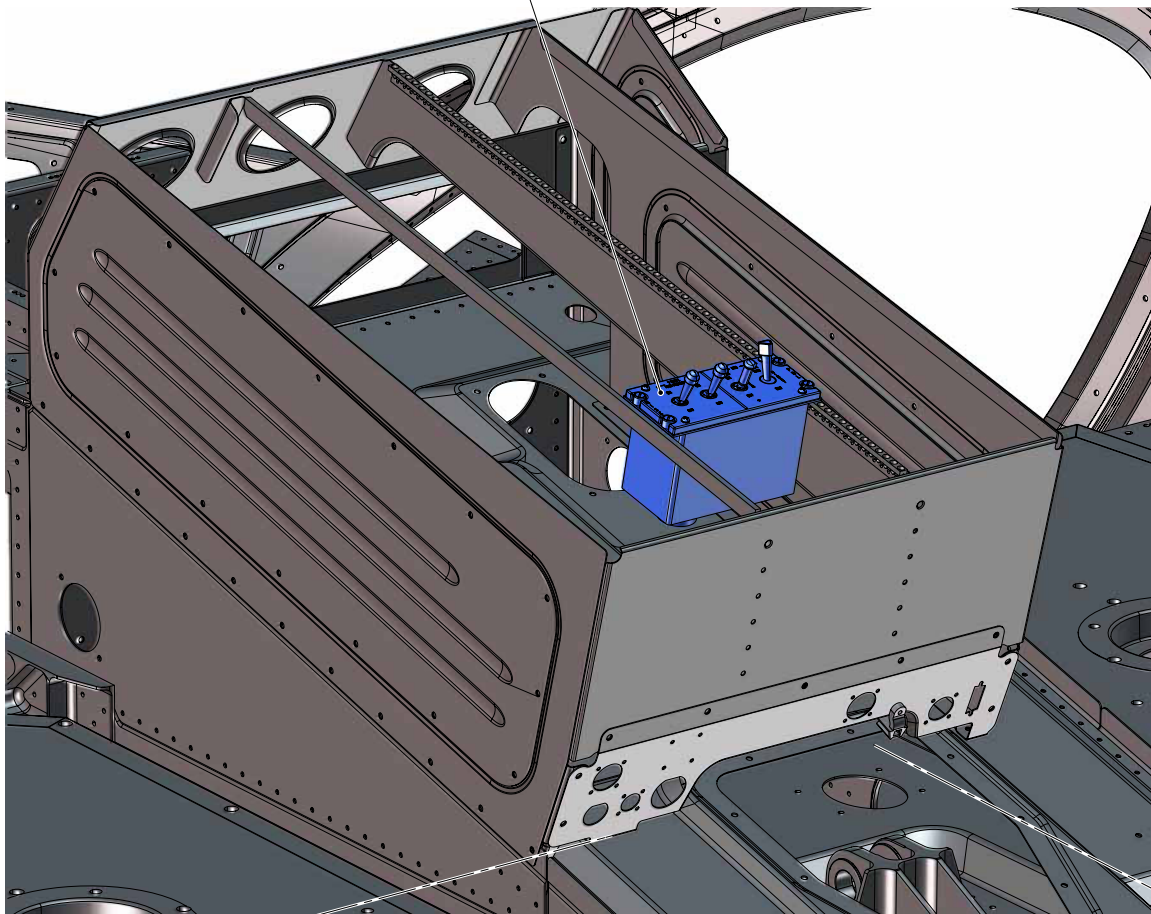
and (for North, Central and South America) also to:

AWPC.Engineering.Support@leonardocompany.us

8G3110V00551
MISCELLANEOUS & LIGHTS
CONTROL PANEL



REMOVE:
8G3110V00451 MISCELLANEOUS CONTROL PANEL
INSTALL:
8G3110V00551 MISCELLANEOUS & LIGHTS CONTROL PANEL



STA
2492.0
(REF)

BL
0.0
(REF)

DETAIL A

STRUCTURES AND SYSTEMS ARE PARTIALLY
OMITTED FOR BETTER CLARITY PURPOSE

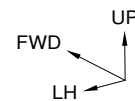
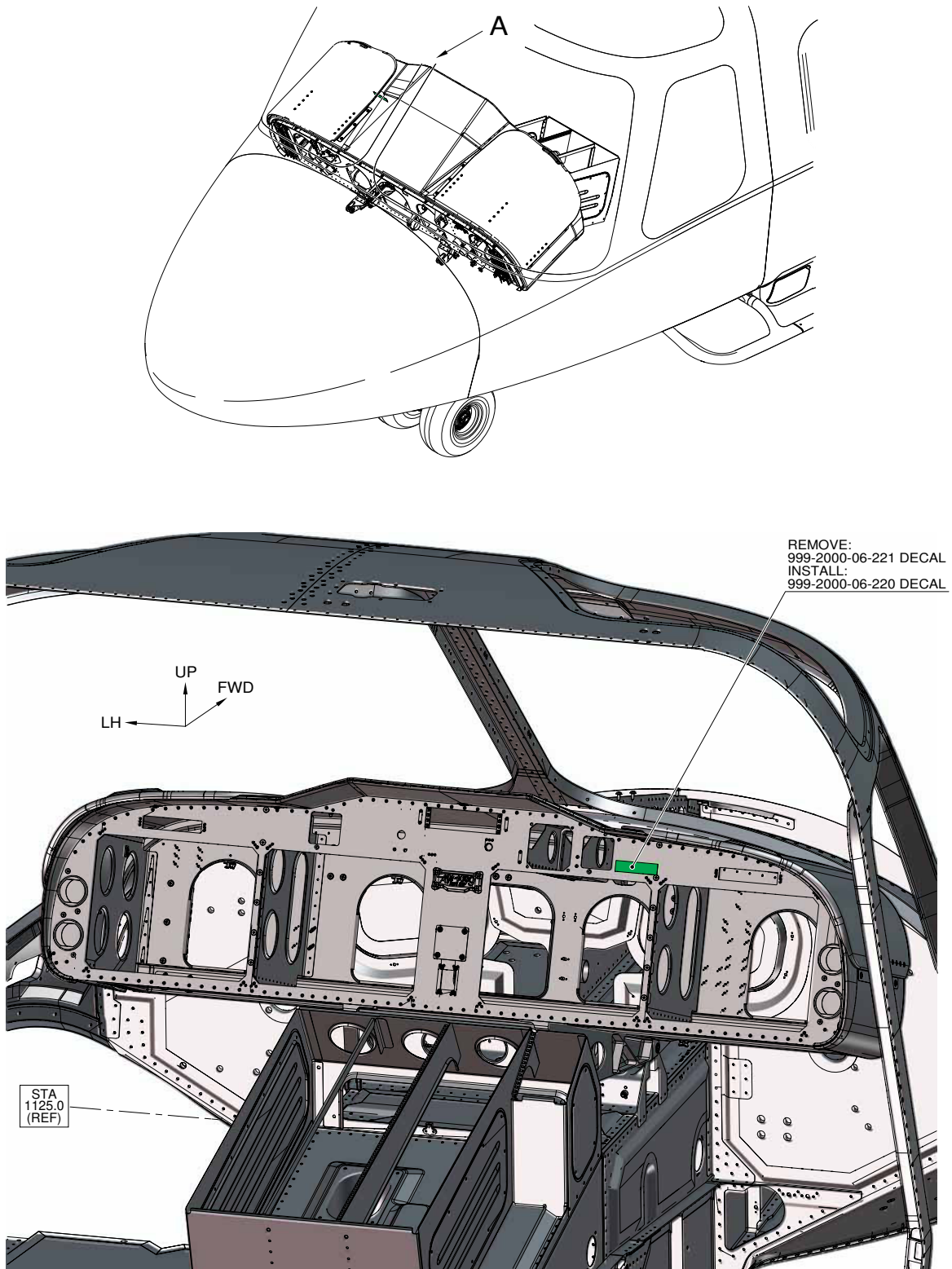


Figure 1



VIEW A

STRUCTURES AND SYSTEMS ARE PARTIALLY
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Figure 2

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