
SERVICE BULLETIN

N° 139-709

DATE: February 22, 2022

REV. : /

TITLE

ATA 33 – PLACARD PROVISION REMOVAL

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

AW139 helicopters S/N 41801 thru S/N 41806.

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 remove the additional V_{NE} placard complete provision P/N 3G3320A02811.

E. DESCRIPTION

This Service Bulletin is issued in order to give the instructions on how to remove the complete provision P/N 3G3320A02811 related to an additional V_{NE} (Never Exceed Velocity) placard installed through an STC. The complete provision consists of the structural provision P/N 3G5311A42911 and of the cable assy P/N 3G3320A00332 (contained in the electrical provision P/N 3G3320A02711).

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 two (2) MMH are deemed necessary.

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

H. WEIGHT AND BALANCE

WEIGHT (kg)		-0.16
LONGITUDINAL BALANCE	ARM (mm)	MOMENT (kgmm)
	1922	-307.5
LATERAL BALANCE	0	0.0

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-06-41-00-00A-010A-A	Access doors and panels - General data	-

2) ACRONYMS & ABBREVIATIONS

AMP	Aircraft Maintenance Publication
DM	Data Module
DOA	Design Organization Approval
EASA	European Aviation Safety Agency
GND	Ground
LH	Leonardo Helicopters
LIPS	Limited Ice Protection System
MMH	Maintenance Man Hours
N.A.	Not Applicable
PLT	Pilot
P/N	Part Number
PWR	Power
SB	Service Bulletin
S/N	Serial Number
VDC	Volts of Direct Current
V _{NE}	Never Exceed Velocity

3) ANNEX

N.A.

J. PUBLICATIONS AFFECTED

N.A.

K. SOFTWARE ACCOMPLISHMENT SUMMARY

N.A.

2. MATERIAL INFORMATION

A. REQUIRED MATERIALS

1) PARTS

N.A.

2) CONSUMABLES

N.A.

3) LOGISTIC MATRIX

N.A.

B. SPECIAL TOOLS

N.A.

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) Shape the cables in order to prevent interference with the structure and the other existing installations, using where necessary suitable lacing cords and plastic cable tiedown.
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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.
 2. In accordance with AMP DM 39-A-06-41-00-00A-010A-A and with reference to Figures 1 and 2, remove all external panels, internal panels and internal liners as required to gain access to the work area .
 3. Perform the removal of VNE complete provision P/N 3G3320A02811 and the modification of the additional VNE electrical variant P/N 3G3320A02711 as described in the following procedure:
 - 3.1 With reference to Figure 1 and Figure 3 Wiring Diagram, remove the VNE cable assy P/N 3G3320A00332 as described in the following procedure:
 - 3.1.1 With reference to Figure 3 Wiring Diagram, disconnect the pin 2C of the GND wire from the terminal board TB1144.
 - 3.1.2 With reference to Figure 3 Wiring Diagram, disconnect the pin 2C of the PWR (28VDC) wire from the terminal board TB1146.
 - 3.2 With reference to Figure 2 View B, remove the n°4 screws P/N MS35214-29 and the n°4 washers P/N NAS1149CN616B that secure the VNE connector plate P/N 3G5318A07851 to the LH and RH bracket assy.
 - 3.3 With reference to Figure 2 View B, remove from the helicopter the VNE connector plate P/N 3G5318A07851 and the attached wires disconnected from TB1146 and TB1144.

NOTE

After removal, retain the n°4 screws P/N A428A3B09 and the n°4 washers P/N NAS1149C0316R for later re-use.

- 3.4 With reference to Figure 2 Detail A, remove the n°4 screws P/N A428A3B09 and the n°4 washers P/N NAS1149C0316R that secure the LH bracket assy P/N 3G5317A34231 and the RH bracket assy P/N 3G5317A34331 to the canopy assy.
- 3.5 With reference to Figure 2 Detail A, remove the LH bracket assy P/N 3G5317A34231 and the RH bracket assy P/N 3G5317A34331 from the helicopter.
- 3.6 With reference to Figure 2 Detail A, re-install the n°4 screws P/N A428A3B09 and the n°4 washers P/N NAS1149C0316R to plug the holes on the canopy assy.
4. In accordance with AMP DM 39-A-06-41-00-00A-010A-A re-install all external panels, internal panels and liners previously removed.
5. Return the helicopter to flight configuration and record for compliance with this Service Bulletin on the helicopter logbook.
6. Send the attached compliance form to the following mail box:

engineering.support.lhd@leonardo.com

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

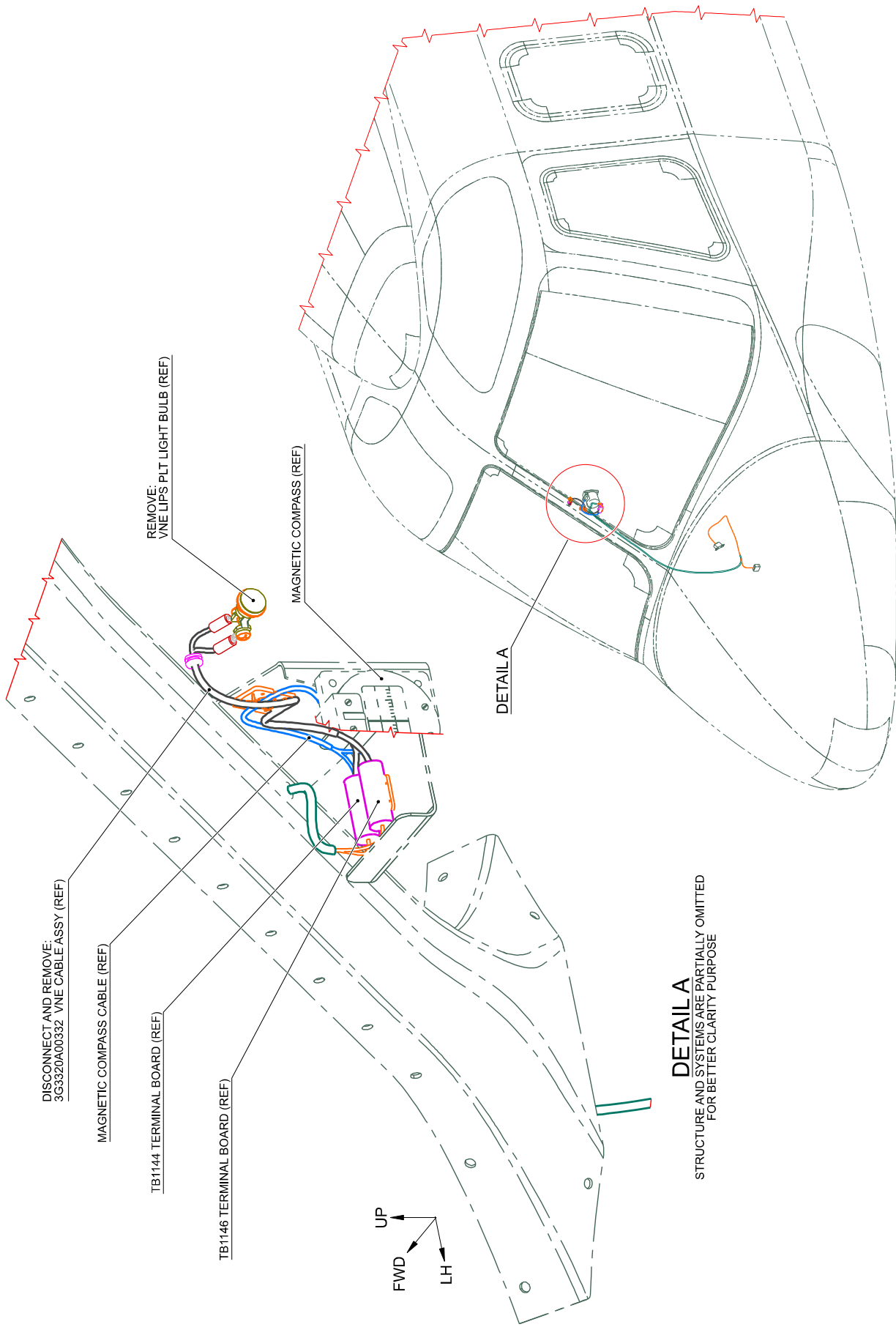
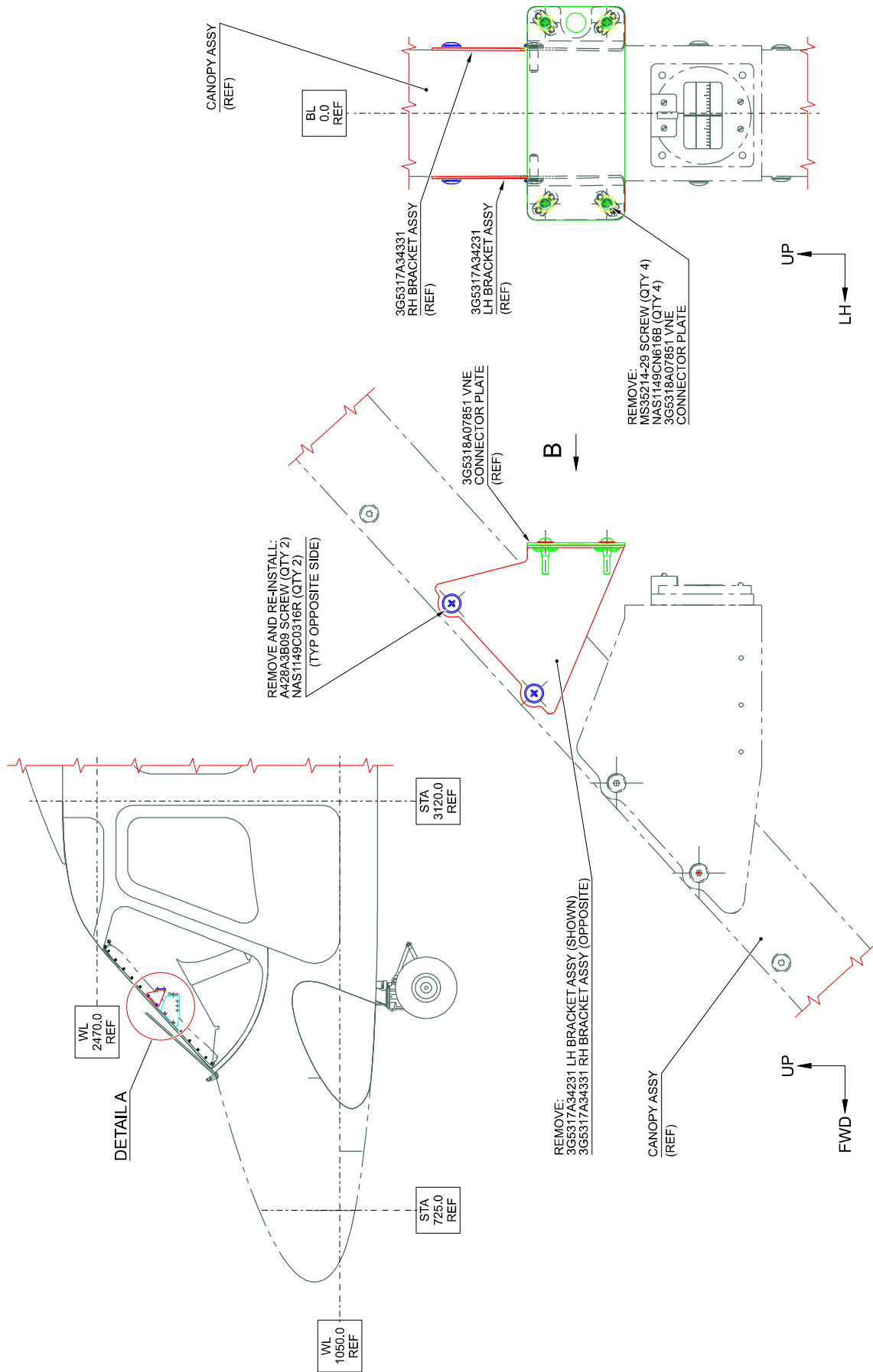


Figure 1



DETAIL A
LH SHOWN (RH OPPOSITE)
STRUCTURE AND SYSTEMS ARE PARTIALLY OMITTED FOR BETTER CLARITY PURPOSE

Figure 2

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.