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## SERVICE BULLETIN

N° **139-240**

**DATE:** June 23, 2011

**REV. :** C - January 12, 2021

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## TITLE

**ATA 67 - INSTALLATION OF PILOT/CO-PILOT COLLECTIVE GRIP P/N 3G6711V00951  
AND P/N 3G6711V01051**

## REVISION LOG

Helicopters that have complied with previous issue of this Service Bulletin do not need any additional action.

Revision C is issued to:

- Update the accomplishment instructions;
- Update the Service Bulletin to the latest standards.

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

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## **1. PLANNING INFORMATION**

### **A. EFFECTIVITY**

AB139/AW139 helicopters from S/N 31005 onward (except S/N 31007) and from S/N 41001 onward.

### **B. COMPLIANCE**

At Customer's option.

### **C. CONCURRENT REQUIREMENTS**

N.A.

### **D. REASON**

This Service Bulletin is issued in order to provide all necessary instructions on how to perform the installation of the collective grips P/N 3G6711V00951 and P/N 3G6711V01051.

### **E. DESCRIPTION**

Aim of this Service Bulletin is to replace the existing collective grip assemblies with P/N 3G6711V00951 and P/N 3G6711V01051 in order to introduce an improvement with respect to the previous ones P/N 3G6711V00652, P/N 3G6711V00653 and P/N 3G6711V00552.

The new collective grips installed by this Service Bulletin introduce the following features with respect to the previously installed grips:

- Label GA modified in GA/TU
- Removal of hand support
- Introduction of a new Eng Gov switch barrier (applicable to pilot collective grip only).

### **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 twenty-five (25) 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

<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-25-21-01-00A-520A-K	Cabin seat - Remove procedure	-
DM03 39-A-06-41-00-00A-010A-A	Access doors and panels - General data	-
DM04 39-A-67-11-01-01A-520A-B	Handgrip (pilot collective stick) - Remove procedure	-
DM05 39-A-67-11-02-01A-520A-B	Handgrip (co-pilot collective stick) - Remove procedure	-
DM06 39-A-67-11-01-01A-720A-B	Handgrip (pilot collective stick) - Install procedure	-
DM07 39-A-67-11-02-01A-720A-B	Handgrip (co-pilot collective stick) - Install procedure	-
DM08 39-A-67-11-01-00A-720A-A	Pilot collective stick - Install procedure	-
DM09 39-A-67-11-01-00B-720A-A	Pilot collective stick - Install procedure	-
DM10 39-A-67-11-02-00A-720A-A	Co-pilot collective stick - Install procedure	-
DM11 39-A-25-21-01-00A-720A-K	Cabin seat - Install procedure	-

### 2) ACRONYMS

AMP	Aircraft Maintenance Publication
DM	Data Module
DOA	Design Organization Approval
EASA	European Aviation Safety Agency

ITEP      Illustrated Tool and Equipment Publication  
LHD      Leonardo Helicopters Division  
MMH      Maintenance Man Hours

### **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	3G6711V00951		Pilot collective grip assy	1	.	(1)	-
2	3G6711V01051		Co-pilot collective grip assy	1	.	(2)	-
3	M39029/58-360		Pin	150	.		-

#### 2) CONSUMABLES

N.A.

#### 3) LOGISTIC MATRIX

N.A.

#### NOTES

- (1) This item may be also obtained by reworking the Pilot collective grip assy P/N 3G6711V00652. Send the Pilot collective grip assy P/N 3G6711V00652 to LHD for rework.
- (2) This item may be also obtained by reworking the Co-pilot collective grip assy P/N 3G6711V00552. Send the Co-pilot collective grip assy P/N 3G6711V00552 to LHD for rework.

### B. SPECIAL TOOLS

The following special tools, or equivalent, are necessary to accomplish this Service Bulletin:

#	P/N	DESCRIPTION	Q.TY	NOTE	PART
4	M22520/2-01	Crimping tool	1		-
5	M22520/2-09	Locator	1		-

Refer also 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.
  - b) Protect properly all those equipments not removed from area affected by the modification during installation procedure
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 the applicable AMP DM 39-A-25-21-01-00A-520A-K, remove the first row of cabin seats.
  3. In accordance with AMP DM 39-A-06-41-00-00A-010A-A, gain access to the area affected by the installation.
  4. In accordance with AMP DM 39-A-67-11-01-01A-520A-B, remove the handgrip already present (P/N 3G6711V00652 or P/N 3G6711V00653 or equivalent) from pilot collective stick.
  5. In accordance with AMP DM 39-A-67-11-02-01A-520A-B, remove the handgrip already present (P/N 3G6711V00552 or equivalent) from co-pilot collective stick.

#### **NOTE**

Use pins P/N M39029/58-360 and tools P/N M22520/2-01 and P/N M22520/2-09 to connect grip cables to the stick electrical connectors at following steps 6 and 7.

6. In accordance with AMP DM 39-A-67-11-01-01A-720A-B, install the handgrip P/N 3G6711V00951 on pilot collective stick.
7. In accordance with AMP DM 39-A-67-11-02-01A-720A-B, install the handgrip P/N 3G6711V01051 on co-pilot collective stick.
8. In accordance with AMP DM 39-A-67-11-01-00A-720A-A or AMP DM 39-A-67-11-01-00B-720A-A, install the pilot collective stick.
9. In accordance with AMP DM 39-A-67-11-02-00A-720A-A, install the co-pilot collective stick.

10. Mark the pilot collective stick as P/N 3G6711A00437.
11. Mark the co-pilot collective stick as P/N 3G6711A00536.
12. In accordance with the applicable AMP DM 39-A-25-21-01-00A-720A-K, install the first row of cabin seats.
13. Return the helicopter to flight configuration and record for compliance with this Service Bulletin on the helicopter logbook.
14. Send the attached compliance form to the following mail box:

[engineering.support.lhd@leonardocompany.com](mailto:engineering.support.lhd@leonardocompany.com)

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

Please send to the following address:  <b>LEONARDO S.p.A.</b> <b>CUSTOMER SUPPORT &amp; SERVICES - ITALY</b>  <b>PRODUCT SUPPORT ENGINEERING &amp; LICENSES DEPT.</b> Via Giovanni Agusta, 520 21017 Cascina Costa di Samarate (VA) - ITALY Tel.: +39 0331 225036 Fax: +39 0331 225988	<b>SERVICE BULLETIN COMPLIANCE FORM</b>	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.