
SERVICE BULLETIN

N° **139-240**

DATE: June 23, 2011

REV. : D - March 31, 2021

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 issues of this Service Bulletin do not need any additional action.

Revision D is issued to divide the procedure in two parts, so to allow the replacement of the collective grip of only side, if needed.

*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

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).

Revision D of the present Service Bulletin introduces the possibility to install the pilot or the co-pilot collective grip independently one to each other, by dividing the Service Bulletin in two parts:

- Part I allows the replacement of the pilot collective grip.
- Part II allows the replacement of the co-pilot collective grip.

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, the following MMH are deemed necessary:

Part I: approximately twelve (14) MMH;

Part II: approximately twelve (14) MMH.

MMH are based on hands-on time and can change with helicopter configuration, 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	I, II
DM02 39-A-25-21-01-00A-520A-K	Cabin seat - Remove procedure	I, II
DM03 39-A-06-41-00-00A-010A-A	Access doors and panels - General data	I, II
DM04 39-A-67-11-01-01A-520A-B	Handgrip (pilot collective stick) - Remove procedure	I
DM05 39-A-67-11-02-01A-520A-B	Handgrip (co-pilot collective stick) - Remove procedure	II
DM06 39-A-67-11-01-01A-720A-B	Handgrip (pilot collective stick) - Install procedure	I

<u>DATA MODULE</u>	<u>DESCRIPTION</u>	<u>PART</u>
DM07 39-A-67-11-02-01A-720A-B	Handgrip (co-pilot collective stick) - Install procedure	II
DM08 39-A-67-11-01-00A-720A-A	Pilot collective stick - Install procedure	I
DM09 39-A-67-11-01-00B-720A-A	Pilot collective stick - Install procedure	I
DM10 39-A-67-11-02-00A-720A-A	Co-pilot collective stick - Install procedure	II
DM11 39-A-25-21-01-00A-720A-K	Cabin seat - Install procedure	I, II

2) ACRONYMS & ABBREVIATIONS

AMP	Aircraft Maintenance Publication
DM	Data Module
DOA	Design Organization Approval
EASA	European Aviation Safety Agency
IPD	Illustrated Part Data
ITEP	Illustrated Tool and Equipment Publication
LHD	Leonardo Helicopters Division
MMH	Maintenance Man Hours
P/N	Part Number
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

PART I

#	P/N	ALTERNATIVE P/N	DESCRIPTION	Q.TY	LVL	NOTE	LOG P/N
1	3G6711V00951		Pilot collective grip assy	1	.	(1)	-
2	M39029/58-360		Pin	75	.		-

PART II

#	P/N	ALTERNATIVE P/N	DESCRIPTION	Q.TY	LVL	NOTE	LOG P/N
3	3G6711V01051		Co-pilot collective grip assy	1	.	(2)	-
4	M39029/58-360		Pin	75	.		-

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

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
5	M22520/2-01	Crimping tool	1		I, II
6	M22520/2-09	Locator	1		I, II

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 the equipment not removed from area affected by the modification during installation procedure

PART I

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.

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 step 5.

5. In accordance with AMP DM 39-A-67-11-01-01A-720A-B, install the handgrip P/N 3G6711V00951 on pilot collective stick.
6. 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.
7. Mark the pilot collective stick as P/N 3G6711A00437.
8. In accordance with the applicable AMP DM 39-A-25-21-01-00A-720A-K, install the first row of cabin seats.
9. Return the helicopter to flight configuration and record for compliance with Part I of this Service Bulletin on the helicopter logbook.

10. 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".

PART II

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-67-11-02-01A-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 step 5.

5. In accordance with AMP DM 39-A-67-11-02-01A-720A-B, install the handgrip P/N 3G6711V01051 on co-pilot collective stick.
6. In accordance with AMP DM 39-A-67-11-02-00A-720A-A, install the co-pilot collective stick.
7. Mark the co-pilot collective stick as P/N 3G6711A00536.
8. In accordance with the applicable AMP DM 39-A-25-21-01-00A-720A-K, install the first row of cabin seats.
9. Return the helicopter to flight configuration and record for compliance with Part II of this Service Bulletin on the helicopter logbook.
10. 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".

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.				