

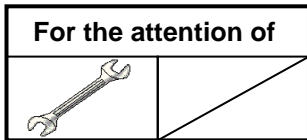
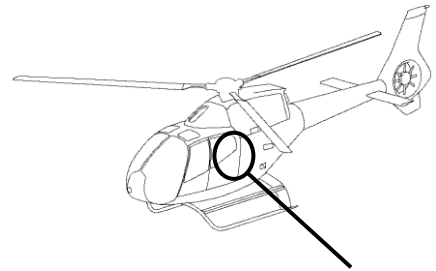
**No. EC120-63A024**

Civil version(s): B

# ALERT SERVICE BULLETIN

## PROTECTIVE MEASURE

**MAIN ROTOR DRIVE – Main Gear Box (MGB) Main Module  
Replacement of the lower housing S/N M1274  
Manufacturer P/N (MP/N) C632A2117101 of the MGB**



Revision No.	Date of issue
Revision 0	2022-05-13

### **Summary:**

The aim of this ALERT SERVICE BULLETIN is to replace the lower housing S/N M1274 (MP/N C632A2117101) of the MGB, potentially affected by a manufacturing non-conformity.

### **Compliance:**

For Airbus Helicopters, it is essential to comply with the instructions contained in this ALERT SERVICE BULLETIN

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### 1. PLANNING INFORMATION

#### 1.A. EFFECTIVITY

##### 1.A.1. Helicopters/installed equipment or parts

Helicopter equipped with main module S/N M394 with the lower housing S/N M1274 (MP/N C632A2117101).

#### **NOTE 1**

*The main module S/N M394 was originally installed on the helicopter S/N 1094.*

##### 1.A.2. Non-installed equipment or parts

Main module S/N M394 with the lower housing S/N M1274 (MP/N C632A2117101).

#### **NOTE 2**

*The main module S/N M394 was originally installed on the helicopter S/N 1094.*

#### 1.B. ASSOCIATED REQUIREMENTS

Not applicable.

#### 1.C. REASON

Airbus Helicopters was informed of a potential manufacturing non-conformity on the lower housing S/N M1274 (MP/N C632A2117101) of the MGB because some quality controls were not performed within standards.

As a precautionary measure, Airbus Helicopters requires the removal and the discard of the MGB lower housing S/N M1274 (MP/N C632A2117101).

Consequently, the aim of this ALERT SERVICE BULLETIN is to replace the lower housing S/N M1274 (MP/N C632A2117101) of the MGB, potentially affected by a manufacturing non-conformity.

The safety level of the helicopter complies with the airworthiness regulations but the issue of this ALERT SERVICE BULLETIN makes the safety standards of Airbus Helicopters higher.

#### 1.D. DESCRIPTION

This ALERT SERVICE BULLETIN includes the work steps that follow:

- . Removal of the MGB.
- . Sending of the MGB to usual authorized repair center or Airbus Helicopters in order to replace the lower housing S/N M1274 (MP/N C632A2117101).
- . Installation of the MGB equipped with a new lower housing on the helicopter.

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#### 1.E. COMPLIANCE

##### 1.E.1. Compliance at H/C manufacturer level

Not applicable.

##### 1.E.2. Compliance in service

Helicopters/installed equipment or parts:

It is the operator who does the work on the helicopter.

Comply with [paragraph 3.](#) not more than 50 Flight Hours (FH) or 6 months (the first limit you meet to is applicable) after you received revision 0 of this ALERT SERVICE BULLETIN (refer to the issue date on the page footer).

Non-installed equipment or parts:

Send the MGB for replacement of the lower housing S/N M1274 (MP/N C632A2117101) with [paragraph 2.D.](#) not more than 6 months after you received revision 0 of this ALERT SERVICE BULLETIN (refer to the issue date on the page footer).

#### 1.F. APPROVAL

Approval of modifications:

Not applicable.



Approval of this document:

The technical information contained in this ALERT SERVICE BULLETIN Revision 0 was approved on May 11, 2022 under the authority of EASA Design Organization Approval No. 21J.700 for civil version helicopters subject to an Airworthiness Certificate.

#### 1.G. MANPOWER



Airbus Helicopters recommends that the personnel who will do this ALERT SERVICE BULLETIN have this qualification:

Qualification: 2 Mechanical Technicians.



The man-hours are an estimate given for information only and for a standard helicopter configuration.

Estimated Man-hours: 16 hours for the removal and the installation of the MGB.



The helicopter downtime is an estimate given for information only and for a standard helicopter configuration.

The estimate of the helicopter downtime is: 2 days.

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#### 1.H. WEIGHT AND BALANCE

Not applicable.

#### 1.I. POWER CONSUMPTION

Not applicable.

#### 1.J. SOFTWARE UPGRADES/UPDATES

Not applicable.

#### 1.K. REFERENCES

These documents are necessary to comply with this ALERT SERVICE BULLETIN.

Aircraft Maintenance Manual (AMM):

AMM: 24-00-00, 3-1: General Safety Instructions - Electrical Power Supply System

AMM: 29-00-00, 3-1: General Safety Instructions - Hydraulic Power

AMM: 63-00-00, 3-1: General Safety Instructions - Main Rotor Drive

AMM: 63-00-00, 4-1: Removal - MGB / MRH

AMM: 63-00-00, 4-2: Installation - MGB / MRH

AMM: 63-00-00, 6-3: Checks after Maintenance Work - Main Rotor Drive

AMM: 67-00-00, 3-1: General Safety Instructions - Rotors Flight Controls

Information Notice (IN):

IN: 2832-I-00: Procedure for returning parts to Airbus Helicopters for overhaul/repair/  
technical investigation/core unit return

IN: 3481-I-00: The Marketplace: an AirbusWorld eOrdering service

IN: 3785-I-00: Introduction of the digital Service Bulletin reporting service SB Insight

Standard Practices Manual (MTC):

MTC: 20-07-02-201: Helicopter parked in a repair shop - Safety instructions

MTC: 20-07-03-406: Instructions applicable when working on an aircraft electrical circuit and power  
generating systems - Technical instructions

MTC: 20-07-03-408: Appearance checks on an aircraft after inspection or repair -  
Technical instructions

MTC: 20-08-05-102: Rules in force applicable for repair and maintenance of aircraft -  
General rules applicable to aircraft

#### 1.L. OTHER AFFECTED PUBLICATIONS

Not applicable.

#### 1.M. PART INTERCHANGEABILITY OR MIXABILITY

Not applicable.

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## 2. EQUIPMENT OR PARTS INFORMATION

### 2.A. EQUIPMENT OR PARTS: PRICE - AVAILABILITY - PROCUREMENT

#### Price

The Airbus Helicopters Program Department will do the tasks and/or supply the components free of charge.

#### Availability

Contact the Sales and Customer Relations Department to know the delivery lead times.

#### Procurement Conditions

Send an order for the necessary quantities to the Airbus Helicopters Network Sales and Customer Relations Department:

Airbus Helicopters  
Etablissement de Marignane  
Direction Ventes et Relations Client  
13725 MARGNANE CEDEX  
FRANCE

In the purchase order, write the information that follows:

- The mode of transport
- The destination
- The serial numbers of the helicopters to change.

### 2.B. LOGISTIC INFORMATION

Not applicable.

### 2.C. EQUIPMENT OR PARTS REQUIRED PER HELICOPTER/COMPONENT

#### Consumables to be ordered separately:

You can send an order for the consumables from the AirbusWorld Marketplace through e-ordering (IN 3481-I-00).

If you cannot get access to e-ordering, please contact your Logistic Focal Point.

#### Special tools:

Refer to the Work Cards given in this ALERT SERVICE BULLETIN.

### 2.D. EQUIPMENT OR PARTS TO BE RETURNED

Use the procedure given in Information Notice No. 2832-I-00 to send the main module back.

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## 3. ACCOMPLISHMENT INSTRUCTIONS

### 3.A. GENERAL

- Comply with the general rules applicable to the repair and maintenance of aircraft. Refer to Work Card 20-08-05-102 (MTC).
- Comply with general instructions on electrical power supply systems. Refer to Task 24-00-00, 3-1 (AMM).
- Comply with general instructions on hydraulic power. Refer to Task 29-00-00, 3-1 (AMM).
- Comply with general instructions on main rotor drive. Refer to Task 63-00-00, 3-1 (AMM).
- Comply with general instructions on rotor flight controls. Refer to Task 67-00-00, 3-1 (AMM).

### 3.B. WORK STEPS

#### 3.B.1. Preliminary steps

- Park the helicopter in a hangar. Refer to Work Card 20-07-02-201 (MTC).
- Install the appropriate access equipment.
- Disconnect all the electrical power supplies. Refer to Work Card 20-07-03-406 (MTC).
- Remove and/or open all applicable cowlings, panels, doors and other items of equipment to get access to the different work areas.

#### 3.B.2. Procedure

- Remove the MGB. Refer to Task 63-00-00, 4-1 (AMM).
- Send the MGB for repair. Refer to [paragraph 2.D.](#)
  - . Remove and scrap the lower housing S/N M1274 (MP/N C632A2117101).
  - . Install a compliant lower housing.
- Install the set MGB. Refer to Task 63-00-00, 4-2 (AMM).

#### 3.B.3. Tests

Comply with checks after maintenance work. Refer to Task 63-00-00, 6-3 (AMM).

#### 3.B.4. Final steps

- Clean and apply the close-up procedure to the work areas and the helicopter. Refer to Work Card 20-07-03-408 (MTC).
- Install or close all cowlings, panels, doors and items of equipment that you removed and/or opened during the preliminary steps (paragraph 3.B.1. of this ALERT SERVICE BULLETIN).
- Connect all the electrical power supplies. Refer to Work Card 20-07-03-406 (MTC).
- Remove the access equipment.
- Set the helicopter back to flight condition.

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#### 3.C. RECORD OF COMPLIANCE

Compliance with this document:

- Record full compliance with this ALERT SERVICE BULLETIN, with the revision number, in the helicopter documents.
- Record the full compliance with this ALERT SERVICE BULLETIN, with the revision number, in the Log Card (FM).
- Record the full compliance with this ALERT SERVICE BULLETIN (see IN 3785-I-00 for instructions):  
QR code and hypertext link



**NOTE**

*The recording of compliance with ALERT SERVICE BULLETINS in the SB Insight tool does not replace the recording in the helicopter documents.*

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#### 3.D. OPERATING AND MAINTENANCE INSTRUCTIONS

Not applicable.