

No. EC120-62-021

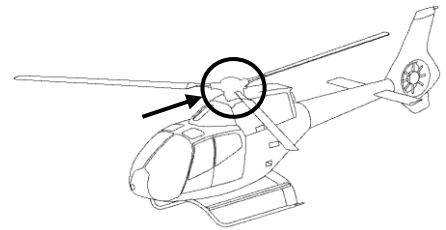
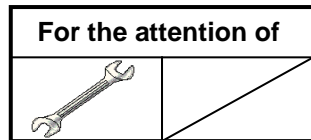
Civil version(s): B

SERVICE BULLETIN

PRODUCT IMPROVEMENT

MAIN ROTOR

Installation of steel AMPEP bushes on the equipped scissors links



Revision No.	Date of issue
Revision 0	2023-02-08

Summary:

The objective of this Service Bulletin is to:

- Replace the equipped scissors links with the former design
- Replace the carbide bushes of the equipped scissors links and the swashplate link with steel AMPEP bushes.

Compliance:

It is the operator's decision to comply or not to comply with this Service Bulletin.

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1. PLANNING INFORMATION



CAUTION

MAKE SURE THAT THE MODIFICATIONS RELATED TO THIS SERVICE BULLETIN AGREE WITH THE HELICOPTER CONFIGURATION AT THIS TIME. IF THE MODIFICATIONS DO NOT AGREE WITH THE HELICOPTER CONFIGURATION:

- PREPARE THE NECESSARY ADAPTATION WORK.**
- GET THE APPROVAL BY THE APPLICABLE LOCAL AIR TRANSPORT AUTHORITIES.**
- COMPLY WITH THE AIRWORTHINESS REQUIREMENTS.**

THIS SERVICE BULLETIN IS WRITTEN FOR THE INITIAL HELICOPTER CONFIGURATION SPECIFIED IN THE INDIVIDUAL INSPECTION LOG BOOK. IT INCLUDES ONLY THE POST-DELIVERY CONFIGURATION CHANGES WHICH ARE KNOWN AND APPROVED BY AIRBUS HELICOPTERS.

1.A. EFFECTIVITY

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

Helicopters with equipped scissors links reference C623A2005103.

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

- Scissor assembly P/N C623A2110104 or C623A2110105
- Equipped scissor link P/N C623A2005103
- Carbide bush P/N 7050A3623029.

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1.B. ASSOCIATED REQUIREMENTS



THIS SERVICE BULLETIN INSTALLS A STEEL AMPEP BUSHES ON THE "DIAPASON" SCISSORS LINKS. BEFORE YOU COMPLY WITH THIS SERVICE BULLETIN, MAKE SURE THAT THERE WAS NO ALERT SERVICE BULLETIN RELATED TO THIS INSTALLATION. IF THERE IS SUCH AN ALERT SERVICE BULLETIN, MAKE SURE THAT IT IS NOT ISSUED BETWEEN THESE DATES THAT FOLLOW:

- THE DATE OF APPROVAL OF THIS SERVICE BULLETIN
- THE TIME YOU DO THE WORK (GIVEN IN THIS SERVICE BULLETIN) ON THE HELICOPTER.



BEFORE YOU START THE WORK, MAKE SURE THAT THE MAINTENANCE PROGRAM (MSM) IS AT THE LATEST UPDATE. MAKE SURE THAT THIS UPDATED THE MAINTENANCE PROGRAM (MSM) IS APPROVED BY THE APPLICABLE AUTHORITIES OR THROUGH A DELIVERY NOTE.

1.C. REASON

A few cases of seizure have been reported with scissors assemblies of carbide bushes.

The objective of this Service Bulletin is to:

- Replace the equipped scissors links with the former design
- Replace the carbide bushes of the equipped scissors links and the swashplate link with steel AMPEP bushes.

1.D. DESCRIPTION

This Service Bulletin includes the work steps that follow:

- Removal of equipped scissors links
- Removal of carbide bushes
- Installation of AMPEP steel bushes
- Installation of equipped scissors links.

1.E. COMPLIANCE

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

Not applicable.

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1.E.2. Compliance in service

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

Helicopters/installed equipment or parts:

Comply with paragraph [3](#).

Non-installed equipment or parts:

It is the operator who makes the decision on the level of stock related to the compliance with this Service Bulletin.

1.F. APPROVAL



The technical content of this document is approved under the authority of the Design Organization Approval ref. EASA. 21J. 700.

For helicopters operated outside the terrain regulated by the EASA, the application of this document is subject to validation provided by the responsible aviation authority of the state of the registry.

1.G. MANPOWER



Airbus Helicopters recommends that the personnel who will do this Service Bulletin have this qualification:

Qualification: 1 Mechanical Technician.



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

Estimated Man-hours: 3 hours for the Mechanical Technician.



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

The estimate of the helicopter downtime is half a day.

1.H. WEIGHT AND BALANCE



There is no change in weight and moment.

1.I. POWER CONSUMPTION

Not applicable.

1.J. SOFTWARE UPGRADES/UPDATES

Not applicable.

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1.K. REFERENCES

These documents are necessary to comply with this Service Bulletin:

Aircraft Maintenance Manual (AMM):

- AMM: 20-10-00, 3-1: Locking - Airframe
- AMM: 24-00-00, 3-1: General Safety Instructions - Electrical Power Supply System
- AMM: 62-00-00, 3-1: General Safety Instructions - Main Rotor
- AMM: 62-00-00, 6-2: Checks after Maintenance Work - Main Rotor
- AMM: 62-32-00, 4-1: Removal / Installation - Flared Housing / Swashplates / Hub Couplings
- AMM: 71-10-00, 4-1: Removal / Installation - Upper Cowlings

Standard Practices Manual (MTC):

- MTC: 20-02-05-404: Assembly by screws and nuts - Joining
- MTC: 20-02-06-402: Safelying with lockwire - Safelying and locking assemblies
- MTC: 20-02-06-403: Safelying with lockplates - Safelying and locking assemblies
- MTC: 20-02-06-404: Safelying with cotter pins - Safelying and locking assemblies
- MTC: 20-02-06-405: Safelying with check nuts and toothed washers - Safelying and locking assemblies
- MTC: 20-02-06-409: Safelying with Loctite compound - Safelying and locking assemblies
- MTC: 20-07-02-201: Helicopter parked in a repair shop - Safety instructions
- MTC: 20-07-03-408: Appearance checks on an aircraft after an inspection or repair - Technical instructions

Master Servicing Manual (MSM)

Information Notice (IN):

- IN: 3481-I-00: The Marketplace: an AirbusWorld eOrdering service
- IN: 3785-I-00: Introduction of the digital Service Bulletin reporting service SB Insight

1.L. OTHER AFFECTED PUBLICATIONS

Not applicable.

1.M. PART INTERCHANGEABILITY OR MIXABILITY

Interchangeability:

Refer to the table below:

Key Word	Former Reference	New Reference	Interchangeability
Scissor assembly	C623A2110104 or C623A2110105	C623A2110103	No
Equipped scissor link	C623A2005103	C623A2005102	No

Mixability:

Refer to the table below:

Key Word	Former Reference	New Reference	Mixability
Scissor assembly	C623A2110104 or C623A2110105	C623A2110103	Prohibited
Equipped scissor link	C623A2005103	C623A2005102	Prohibited

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2. EQUIPMENT OR PARTS INFORMATION

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

Price

For information about the price of the modification kits and/or components, or for aid, contact the Airbus Helicopters Network Sales and Customer Relations Department.

Availability

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

Procurement

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

Components to be ordered for one helicopter or one assembly:

Key Word	Qty	New Reference	Item	Former Reference	→	Instruction
Equipped scissor link	2	C623A2005102	1	C623A2005103		Put into storage
Bush	8	7050A3623027	2	7050A3623029		Put into storage
Split pin	6	EN2367-18014	3	EN2367-18014		Discard

Consumables to be ordered separately:

Refer to the Work Cards and Tasks identified in this Service Bulletin.

You can send an order for the consumables from the AirbusWorld Marketplace through e-ordering (IN No.3481-I-00).

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

Special tools:

Refer to the Work Cards and Tasks identified in this Service Bulletin.

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2.D. EQUIPMENT OR PARTS TO BE RETURNED

Not applicable.

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3. ACCOMPLISHMENT INSTRUCTIONS

3.A. GENERAL

- Comply with the instructions on locking. Refer to Task 20-10-00, 3-1 (AMM).
- Comply with the general safety instructions on the electrical power supply system. Refer to Task 24-00-00, 3-1 (AMM).
- Comply with the general safety instructions on the main rotor. Refer to Task 62-00-00, 3-1 (AMM).
- Comply with the instructions to safety with lockwire. Refer to Work Card 20-02-06-402 (MTC).
- Comply with the instructions to safety with lockplates. Refer to Work Card 20-02-06-403 (MTC).
- Comply with the instructions to safety with cotter pins. Refer to Work Card 20-02-06-404 (MTC).
- Comply with the instructions to safety with check nuts and toothed washers. Refer to Work Card 20-02-06-405 (MTC).
- Comply with the instructions on the safetying and locking of assemblies with Loctite compound. Refer to Work Card 20-02-06-409 (MTC).
- Comply with the general safety instructions on helicopters parked in a repair shop. Refer to Work Card 20-07-02-201 (MTC).

Unless specified differently, apply the standard values of tightening torque. Refer to Work Card 20-02-05-404 (MTC).

3.B. WORK STEPS

NOTE 1

Only the procedure for one scissor assembly is given. Do the same procedure for the other scissor assembly, unless differently specified.



CAUTION

MAKE SURE THAT YOU PREVENT ALL POSSIBLE FOD.

3.B.1. Preliminary steps

- Park the helicopter in a hangar.
- Install the applicable access equipment.
- Disconnect all the electrical power supplies.
- Remove the upper cowlings. Refer to Task 71-10-00, 4-1 (AMM).



WARNING

DO NOT PRESSURIZE THE HYDRAULIC SYSTEM AND DO NOT OPERATE THE FLIGHT CONTROLS DURING THE WORK STEPS BELOW.

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3.B.2. Procedure

3.B.2.a. Removal of the scissor assembly ([Figure 1](#))

- Remove and disassemble the scissor assembly. Refer to Task 62-32-00, 4-1 (AMM).
- Do detailed Checks. Refer to Task 62-32-00, 4-1 (AMM).
- Put into storage as per condition:
 - . The equipped scissor link (a)
 - . The carbide bushes (b).
- Discard the split pins (c).

3.B.2.b. Installation of the equipped scissor link ([Figure 1](#))

- Assemble and install the the equipped scissor link (1). Refer to Task 62-32-00, 4-1 (AMM) with:
 - . The AMPEP bushes (2)
 - . The split pins (3).
- Give a new identification to the scissor assembly. Refer to paragraph [3.C](#).

3.B.3. 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 Service Bulletin). Refer to Task 71-10-00, 4-1 (AMM).
- Connect all the electrical power supplies again.
- Remove the access equipment.

3.C. RECORD OF COMPLIANCE

Compliance with this document:

- Record the full compliance with this Service Bulletin, with the revision number, in the helicopter documents.
- Record the full compliance with this Service Bulletin (see IN 3785-I-00 for instructions):
QR code or hypertext link



NOTE 2

The recording of compliance with Service Bulletins in the SB Insight tool does not replace the recording in the helicopter documents.

[SB EC120-62-021](#)

Tracking of modifications in the documentation:

Record the modification of the Scissors assembly C623A2110103 in its Log Card. Refer to Work Card 20-08-50-101 (MTC).

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Identification of modifications on equipment or parts:

Identify parts/assemblies. Refer to the table below and/or Work Card 20-08-05-103 (MTC).

Key Word	Former Reference	New Reference	MOD	Marking type
Scissor assembly	C623A2110104 or C623A2110105	C623A2110103	SB No. EC120-62-021	Ink

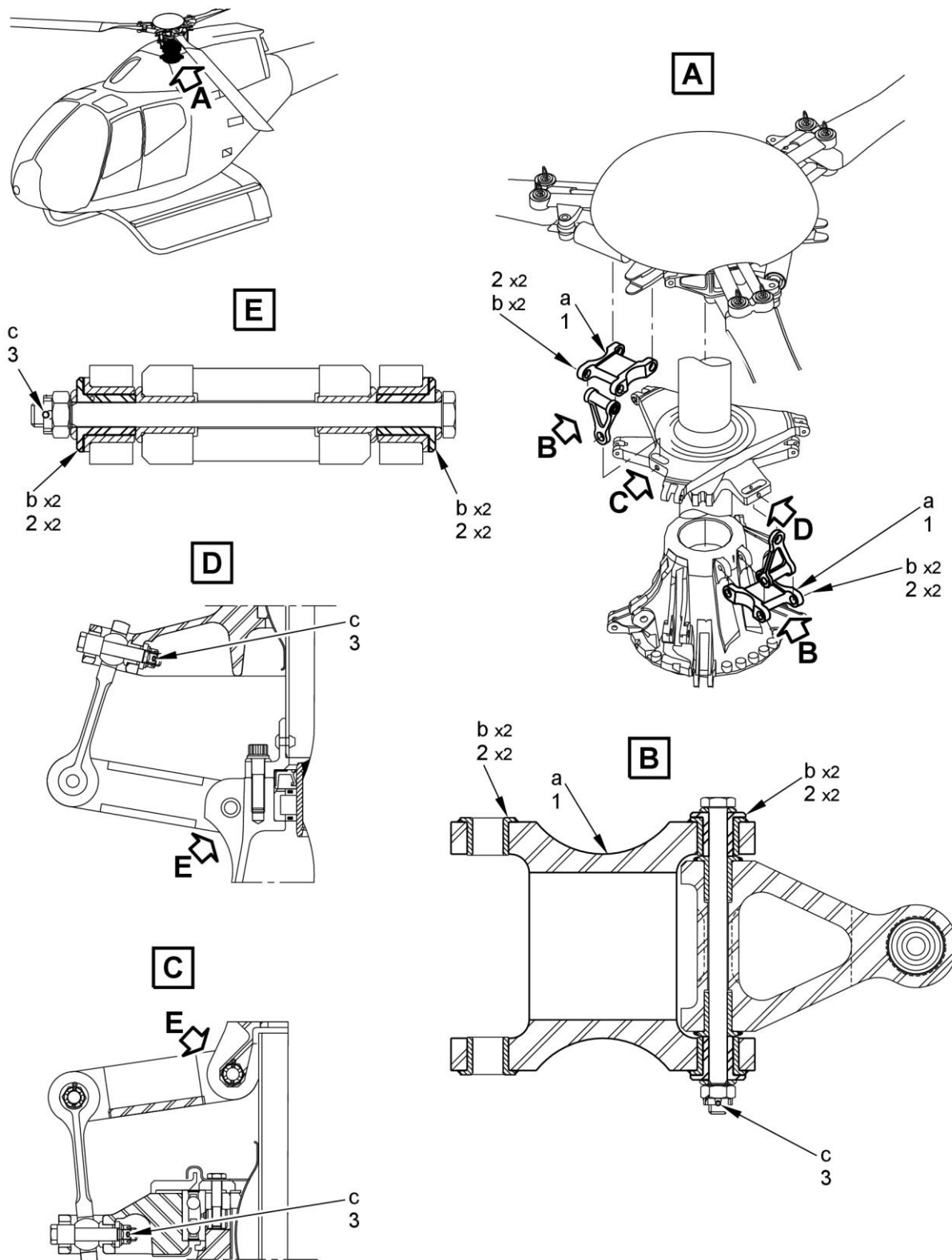
3.D. OPERATING AND MAINTENANCE INSTRUCTIONS

Operating instructions:

Not applicable.

Maintenance instructions:

Refer to the Aircraft Maintenance Manual (AMM).



Back to paragraph [3.B.2.a.](#)

Figure 1