



No. EC155-26A007

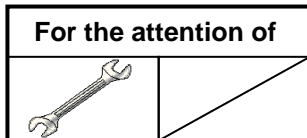
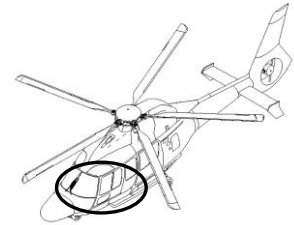
Civil version(s): B1

ALERT SERVICE BULLETIN

PROTECTIVE MEASURE

FIRE PROTECTION - Cabin fire extinguisher Inspection of the portable fire extinguisher

Corresponds to modifications 0726B32 and MC26B33



Revision No.	Date of issue
Revision 0	2021-05-17
Revision 1	2022-02-09
Revision 2	2022-12-14

Summary:

The purpose of this ALERT SERVICE BULLETIN is to prescribe a first time and a scheduled inspection of the portable fire extinguisher until its replacement by the new portable fire extinguisher P/N U262A50T1003 (MP/N P3APP003010D).

Reason for last revision:

The purpose of the Revision 2 of this ALERT SERVICE BULLETIN is to propose to do the replacement of the portable fire extinguisher P/N U262A50T1001 (MP/N P3APP003010A) by the new one P/N U262A50T1003 (MP/N P3APP003010D).

Compliance:

It is mandatory to comply with this ALERT SERVICE BULLETIN.

1. PLANNING INFORMATION

1.A. EFFECTIVITY

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

Helicopters EC155 version B1 with portable fire extinguisher P/N U262A50T1001 (MP/N P3APP003010A).



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

Portable fire extinguisher P/N U262A50T1001 (MP/N P3APP003010A).

1.B. ASSOCIATED REQUIREMENTS

Not applicable.

1.C. REASON

Revision 0

Supplier UMLAUT told Airbus Helicopters that the portable fire extinguisher P/N U262A50T1001 (MP/N P3APP003010A) can have an incorrect operation because of high temperatures (approximately 70°C) during a long period. Because of the high temperatures exposure, the pressure in the extinguisher increases and leads to an inoperative portable fire extinguisher.

Consequently, the purpose of this ALERT SERVICE BULLETIN is to do a first time inspection and to prescribe a scheduled inspection of the fire extinguisher.

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Revision 1

With Revision 1 of this ALERT SERVICE BULLETIN, the inspection in paragraph 3.B.2. is updated in accordance with the instructions defined in the Vendor Service Bulletin (VSB) No. P3VSB000003.

Inspection procedure defined in this ALERT SERVICE BULLETIN is equivalent to the instruction defined in UMLAUT Vendor Service Bulletin (VSB) No. P3VSB000003.

This VSB is related to the EASA AD No. 2021-0185.

In consequence this ALERT SERVICE BULLETIN provides instruction in accordance with EASA AD and UMLAUT Vendor Service Bulletin.

Revision 1 of this ALERT SERVICE BULLETIN has no effect on the execution of the Revision 0 of this ALERT SERVICE BULLETIN.

Revision 2

The purpose of the Revision 2 of this ALERT SERVICE BULLETIN is to propose to do the replacement of the portable fire extinguisher P/N U262A50T1001 (MP/N P3APP003010A) to the new one P/N U262A50T1003 (MP/N P3APP003010D).

This replacement is available through modifications 0726B32 (Cockpit extinguisher replacement) and MC26B33 (Cabin extinguisher replacement) as proposed in this ALERT SERVICE BULLETIN.

The new portable fire extinguisher also uses a new extinguishing agent known as 2-bromotrifluoropropene (2-BTP) and meet the new regulation of the International Civil Aviation Organization (ICAO) and the European Union (EU) parliament.

Revision 2 of this ALERT SERVICE BULLETIN has no effect on the execution of the previous revision of this ALERT SERVICE BULLETIN.

1.D. DESCRIPTION

This ALERT SERVICE BULLETIN consists to do a first time inspection and a scheduled inspection of the portable fire extinguisher until its replacement by the new portable fire extinguisher P/N U262A50T1003 (MP/N P3APP003010D).

1.E. COMPLIANCE

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

Not applicable.

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1.E.2. Compliance in service

Helicopters/installed equipment or parts:

The scheduled inspection in accordance with the MSM EC155 of the portable fire extinguisher stays unchanged.

PART 1: First time inspection of the portable fire extinguisher

Do an inspection of the portable fire extinguisher in accordance with paragraphs [3.B.1.](#), [3.B.2.](#), [3.B.3.](#) and [3.B.5.](#), within the next 30 days after receipt of revision 0 of this ALERT SERVICE BULLETIN.

If one or more portable fire extinguishers fail the test, the concerned portable fire extinguishers are not considered as inoperative and can remain in service for 10 days prior to replacement.

For the replacement of the concerned portable fire extinguisher, refer to paragraph [3.B.3.](#) or [3.B.4.](#)

PART 2: Scheduled inspection of the portable fire extinguisher

Until the compliance with PART 3, do an inspection of the portable fire extinguisher in accordance with paragraphs [3.B.1.](#), [3.B.2.](#), [3.B.3.](#) and [3.B.5.](#), together with the scheduled inspection in accordance with the relevant MSM EC155 of the portable fire extinguisher each month.

If one or more portable fire extinguishers fail the test, the concerned portable fire extinguishers are not considered as inoperative and can remain in service for 10 days prior to replacement.

For the replacement of the concerned portable fire extinguisher, refer to paragraph [3.B.3.](#) or [3.B.4.](#)

PART 3: Replacement of the portable fire extinguisher

At the latest on December 31, 2022, replace the actual portable fire extinguisher P/N U262A50T1001 (MP/N P3APP003010A) by the new one P/N U262A50T1003(MP/N P3APP003010D), in accordance with paragraph [3.B.4.](#)

NOTE

Once PART 3 is applied on a portable fire extinguisher, PART 1 and PART 2 are no longer applicable on the portable fire extinguisher.

Once PART 3 is applied on all the portable fire extinguishers, this ALERT SERVICE BULLETIN is no longer applicable on the helicopter.

Non-installed equipment or parts:

Before December 31, 2022:

- Do an inspection of the portable fire extinguisher listed in paragraph [1.A.2.](#) in accordance with paragraph [3.B.](#) before installation on the helicopter.

After December 31, 2022:

- Do not install the portable fire extinguisher listed in paragraph [1.A.2.](#)

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 registry.

1.G. MANPOWER



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

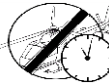
Qualification: 1 Mechanical Technician.



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

Estimated Man-hours: - one half hour for one Mechanical Technician for the inspection of one portable fire extinguisher.

- one hour for one Mechanical Technician for the replacement of one portable fire extinguisher.



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

The estimate of the helicopter downtime is: - one half hour for the inspection of one portable fire extinguisher.
- one hour for the replacement of one portable fire extinguisher.

1.H. WEIGHT AND BALANCE



For the application of the modification 0726B32 (in the cockpit)

Weight: +0.147 kg

Moments: Longitudinal: +0.10 m.kg

Lateral: +0.24 m.kg

For the application of the modification MC26B33 (in the cabin)

For under seat 90° tilted installation

Weight: +0.147 kg

Moments: Longitudinal: +0.08 m.kg

Lateral: +0.62 m.kg

For under seat standard installation

Weight: +0.147 kg

Moments: Longitudinal: +0.03 m.kg

Lateral: +0.45 m.kg

For rear VIP seat drawer

Weight: +0.147 kg

Moments: Longitudinal: +0.07 m.kg

Lateral: +0.59 m.kg

For front VIP seat drawer

Weight: +0.147 kg

Moments: Longitudinal: +0.06 m.kg

Lateral: +0.43 m.kg

After you complete the work, record the new weights and moments in your applicable document.

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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: 26-22-01-062: Removal / Installation of the cabin fire extinguisher support POST MOD 0726B30 or POST MOD MC26B31

Standard Practice Manual (MTC):

MTC: 20-02-06-409: Safety with Loctite compound - Safetying and locking assemblies

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

Delivery Note (DN):

DN: 105.0008.0

Master Servicing Manual (MSM):

MSM: 05-20-00 ATA 26

1.L. OTHER AFFECTED PUBLICATIONS



CAUTION

TO COMPLY WITH THIS SERVICE BULLETIN, THE OPERATOR MUST MAKE SURE THAT ALL THE MAINTENANCE DOCUMENTS NECESSARY FOR THE MAINTENANCE OF THIS INSTALLATION ARE AVAILABLE. IF THEY ARE NOT AVAILABLE, THE OPERATOR MUST CONTACT AIRBUS HELICOPTERS TO GET THESE DOCUMENTS.

The changes to Instructions for Continued Airworthiness (ICA) which are required as a result of this SB will be incorporated in the next Normal Revision. Refer to DN.105.0008.0 until the information is available in the published technical documentation.

Revision of the illustrated Parts Catalog (IPC) will be updated for the next revision.

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1.M. PART INTERCHANGEABILITY OR MIXABILITY

Interchangeability

The installation of PRE MOD components on POST MOD helicopters is not permitted in this ALERT SERVICE BULLETIN.

Mixability

It is permitted to use PRE MOD and POST MOD portable fire extinguisher together.

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 MARIIGNANE 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

Equipment or part to be ordered for one helicopter or one assembly:

Key Word	Qty	New reference	Item	Former reference→	Instruction
Portable fire extinguisher	1	P3APP003010D (U262A50T1003)	1	P3APP003010A (U262A50T1001)	Discard
(Metallic) bracket	1	P3APP003020J (706A42810002)	2	P3APP003020D (706A42810001)	Discard

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Consumables to be ordered separately:

Refer to the Work Cards mentioned in this ALERT SERVICE BULLETIN and list below:

<u>Designation</u>	<u>Qty</u>	<u>Consumable P/N</u>	<u>CM</u>	<u>Item</u>
Locking compound	AR	Loctite 222	CM 621	3

You can order 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.

2.D. EQUIPMENT OR PARTS TO BE RETURNED

Not applicable.

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3. ACCOMPLISHMENT INSTRUCTIONS

3.A. GENERAL

The inspection procedure as defined in this ALERT SERVICE BULLETIN is equivalent to the instructions defined in the UMLAUT VSB No. P3VSB000003.

3.B. WORK STEPS

3.B.1. Preliminary steps

Remove the portable fire extinguisher(s) from the helicopter.

3.B.2. Inspection of the portable fire extinguisher

- Put the portable fire extinguisher upright on a flat and even surface with the safety pin installed, refer to Step 1, Figure 1.
- Push the lever up carefully, with low force, using only one finger, refer to Step 2, Figure 1.
- Release the lever.

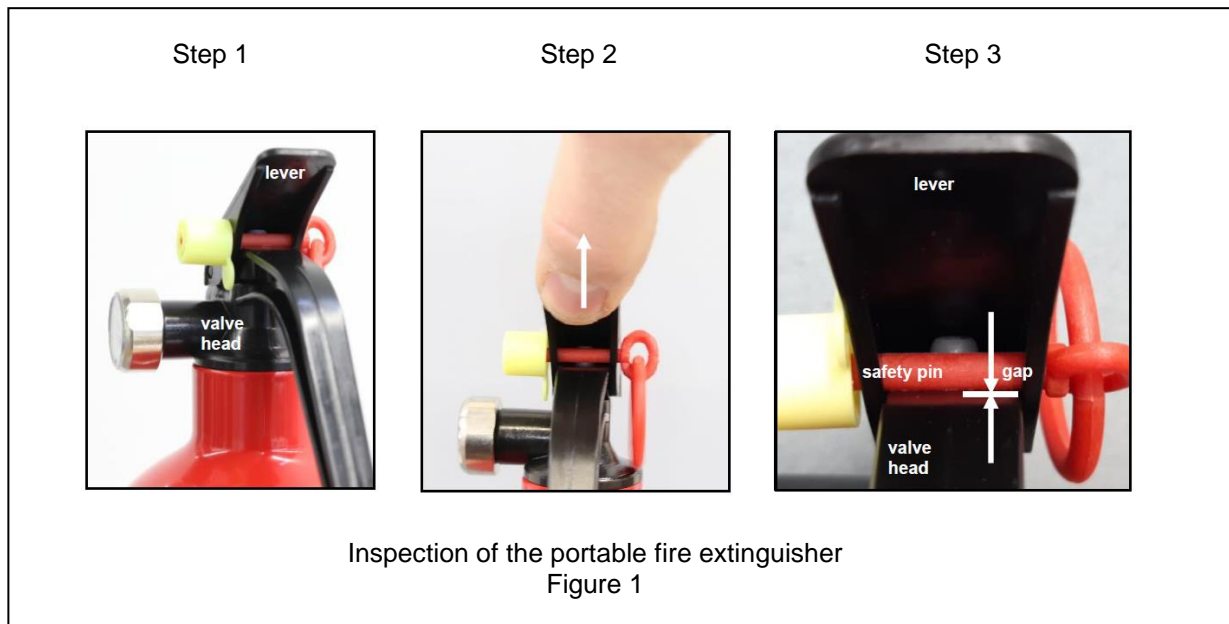
NOTE 1

The lever should move down by its own.

- Check the presence of potential gap between the safety pin and the valve head (without touching the lever): check visually if the safety pin touches the valve head, refer to Step 3, Figure 1:
 - . If there is no gap, the safety pin touches the valve head, the portable fire extinguisher is operative. Continue with paragraph [3.B.5](#).
 - . If there is a gap or in case of doubt, the safety pin does not touch the valve head, continue with the following steps.
- Push the lever down, with low force, using only one finger to close the potential gap.
- Release the lever.
- Check if the safety pin stays in its position or if it moves back up on its own after you release the lever:
 - . If the lever stays in its position without moving up on its own (without a gap between safety pin and valve head, refer to Figure 1, Step 3), the portable fire extinguisher is operative. Continue with paragraph [3.B.5](#).
 - . If the lever moves back up into its previous position on its own (the potential gap shows again), continue with paragraph [3.B.3](#).

NOTE 2

The check procedure is repeatable. Repeat the test if needed.



3.B.3. Instructions to replace the portable fire extinguisher

NOTE 3

A portable fire extinguisher which fails the inspection is not mandatorily inoperative. The proper function just cannot be granted to its full extend.

Replace the portable fire extinguisher that fails the inspection in accordance with the rectification interval as detailed in paragraph [1.E.2.](#)

3.B.4. Replacement of the portable fire extinguisher

3.B.4.a. Replacement of the portable fire extinguisher located in the cockpit

- Remove and discard the portable fire extinguisher (b) and the bracket (c) ([Figure 2](#), Details A and B). Refer to Work Card 26-22-01-062 (AMM).
- Keep the screws (d), the washers (g) and the shims (j).
- Clean the thread of the screws (d). Refer to Work Card 20-02-06-409 (MTC).
- Apply LOCTITE (3) on the threads of the screws (d) ([Figure 2](#), Detail B). Refer to the Work Card 20-02-06-409 (MTC).
- Install the bracket (2) with the screws (d), the washers (g) and the shims (j).
- Torque the screws (d). Refer to [Figure 2](#), Detail B.
- Make sure that the needle of the pressure gage on the portable fire extinguisher (1) is in the green zone.
- Position the portable fire extinguisher (1) on the bracket (2) to allow the reading of the pressure gage.
- Attach the portable fire extinguisher (1) with the strap (a) ([Figure 2](#), Detail A).

3.B.4.b. Replacement of the portable fire extinguisher located in the cabin

3.B.4.b.1. Fire extinguisher bracket attached to the floor with inserts (For under seat 90° tilted installation or under seat standard installation or rear VIP seat drawer)

- Remove and discard the portable fire extinguisher (b) and the bracket (c) ([Figure 2](#), Details A and C). Refer to Work Card 26-22-01-062 (AMM).
- Keep the screws (e) or (f), the washers (h) or (i) and the shims (j).
- Clean the thread of the screws (e) or (f). Refer to Work Card 20-02-06-409 (MTC).
- Apply LOCTITE (3) on the threads of the screws (e) or (f) ([Figure 2](#), Detail B). Refer to the Work Card 20-02-06-409 (MTC).
- Install the bracket (2) with the screws (e) or (f), the washers (h) or (i) and the shims (j).

NOTE 4

*Screws (f) and washers (i) have a diameter of 4mm.
Screws (e) and washers (h) have a diameter of 5mm.*

- Torque the screws (e) or (f). Refer to [Figure 2](#), Detail C.
- Make sure that the needle of the pressure gage on the portable fire extinguisher (1) is in the green zone.
- Position the portable fire extinguisher (1) on the bracket (2) to allow the reading of the pressure gage.
- Attach the portable fire extinguisher (1) with the strap (a) ([Figure 2](#), Detail A).

3.B.4.b.2. Fire extinguisher bracket attached to the floor with nuts (For Front VIP seat drawer)

- Remove and discard the portable fire extinguisher (b) and the bracket (c) ([Figure 3](#), Detail D and Section E-E). Refer to Work Card 26-22-01-062 (AMM).
- Keep the screws (k), the washers (m) and the nuts (n).
- Clean the thread of the screws (k). Refer to Work Card 20-02-06-409 (MTC).
- Apply LOCTITE (3) on the threads of the screws (k) ([Figure 3](#), Detail C). Refer to the Work Card 20-02-06-409 (MTC).
- Install the bracket (2) with the screws (k), the washers (m) and the nuts (n).

- Torque the screws (k). Refer to [Figure 3](#), Section E-E.
- Make sure that the needle of the pressure gage on the portable fire extinguisher (1) is in the green zone.
- Position the portable fire extinguisher (1) on the bracket (2) to allow the reading of the pressure gage.
- Attach the portable fire extinguisher (1) with the strap (a) ([Figure 3](#), Section E-E).

3.B.5. Final steps

Install the portable fire extinguisher(s) in the helicopter.

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3.C. RECORD OF COMPLIANCE

Compliance with this document:

- Record the full compliance with PART 1 / PART 2 / PART 3 of this ALERT SERVICE BULLETIN, with the revision number, in the helicopter documents.
- Record the full compliance with PART 1 / PART 2 of this ALERT SERVICE BULLETIN with the revision number, in the Log Card (FM) (if the log card exists).
- Record compliance with this ALERT SERVICE BULLETIN (see IN 3785-I-00 for instructions):
QR code or hypertext link



NOTE 5

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

[ASB EC155 26A007](#)

Tracking of modifications in the documentation:

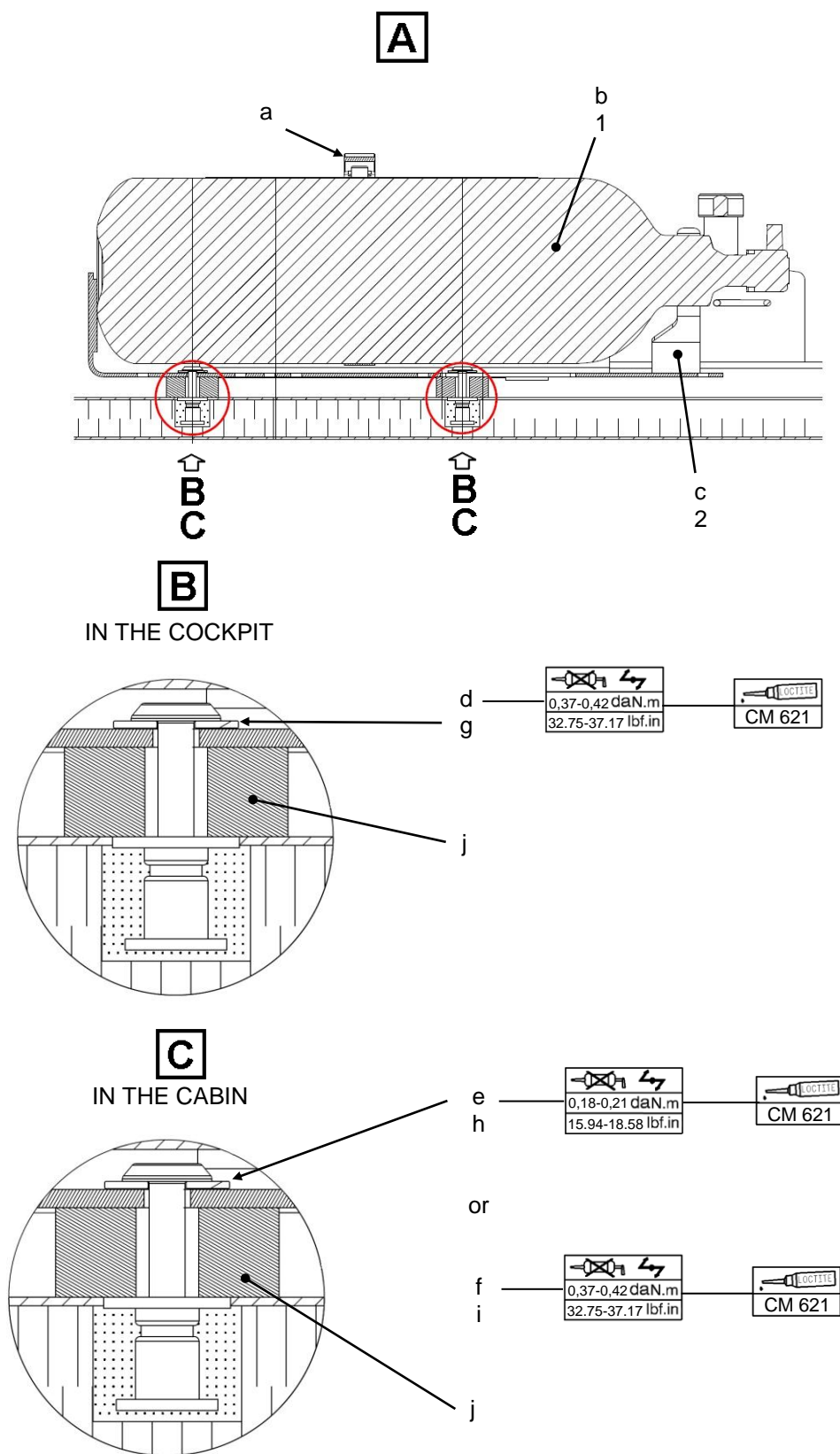
After application of paragraph [3.B.4.](#), record full embodiment of modifications, refer to table below.

Position of portable fire extinguisher	Configuration of the helicopter before application of paragraph 3.B.4.	Modification to be recorded
Cockpit	POST MOD 0726B30	0726B32
Cabin	POST MOD MC26B31	MC26B33

3.D. OPERATING AND MAINTENANCE INSTRUCTIONS

Not applicable.

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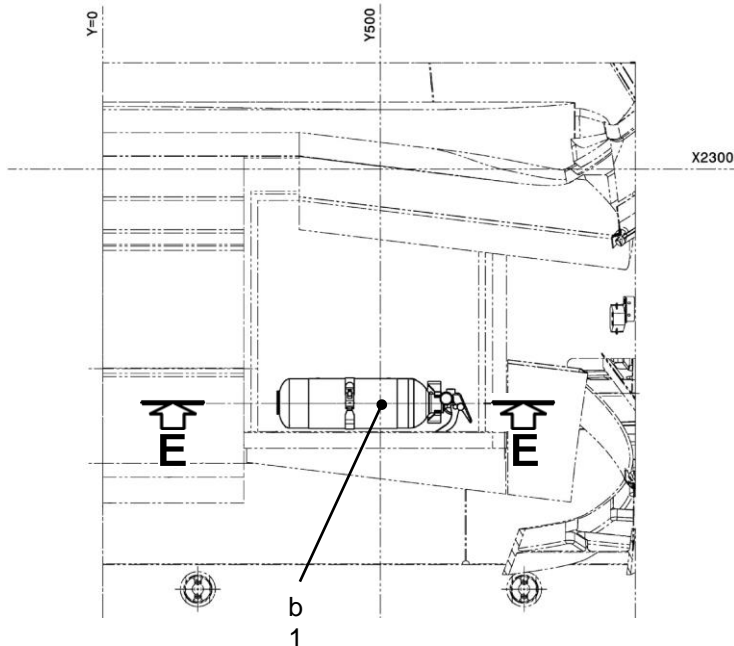
Back to paragraph [3.B.4.](#)

Figure 2

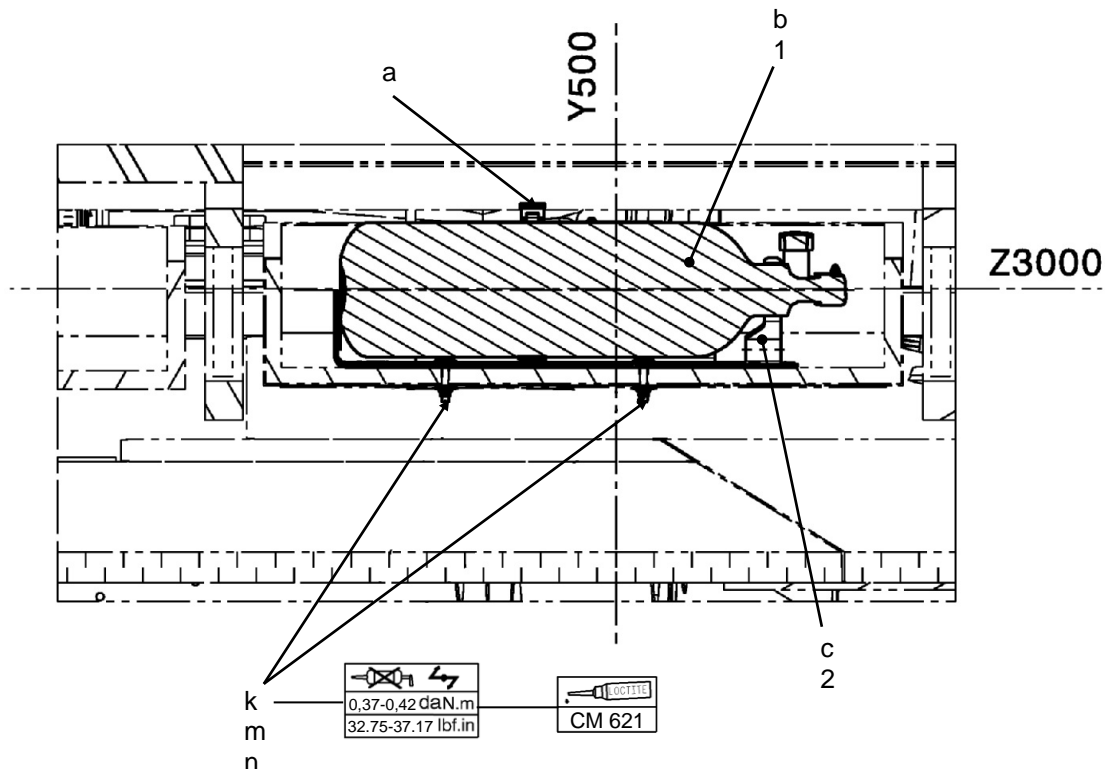
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D

IN THE CABIN



SECTION
E-E



Back to paragraph [3.B.4.b.2.](#)

Figure 3