



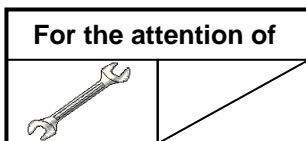
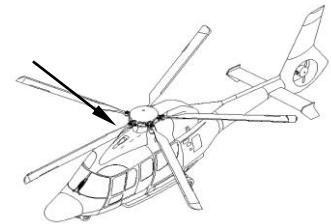
No. EC155-25-162

Civil version(s): B, B1

SERVICE BULLETIN

PROTECTIVE MEASURE

EQUIPMENT AND FURNISHINGS - Hoist system
Check for correct operation of the cable extracting device



Revision No.	Date of issue
Revision 0	2022-12-07

Summary:

The purpose of this Service Bulletin is to do periodic check of the hoist extracting device by referring to Service Bulletin No. 763XX-25-09 from Goodrich Actuation Systems.

Compliance:

Airbus Helicopters recommends that you comply with this Service Bulletin.

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1. PLANNING INFORMATION

1.A. EFFECTIVITY

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

Helicopters which have a GOODRICH variable speed electric hoist (family 76378).

NOTE

Refer to the Log Cards (FM) to identify the modification status of the helicopter/equipment.

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

Not applicable.

1.B. ASSOCIATED REQUIREMENTS



CAUTION

BEFORE YOU COMPLY WITH THIS SERVICE BULLETIN, MAKE SURE THAT THERE WAS NO ALERT SERVICE BULLETIN RELATED TO THE HYDRAULIC OR ELECTRIC HOIST BETWEEN SERVICE BULLETIN APPROVAL AND SERVICE BULLETIN EMBODIMENT DATES.

1.C. REASON

During a hoist training mission with a GOODRICH hydraulic hoist P/N 76363-300, the two first hoisting operations went correctly. At the third one, the flight engineer started the descent of two persons, but the command did not operate correctly and the hoist stopped after a cable unwinding of approximately 5 meters. The landing of the two persons was done safely in compliance with the hoist failure procedure. After checking, the flight engineer noticed a rupture of cable strands and a deformation of the cable.

Consequently, the purpose of this Service Bulletin is to do periodic check of the hoist extracting device by referring to Service Bulletin No. 763XX-25-09 from Goodrich Actuation Systems (Appendix [4.A.](#)).

1.D. DESCRIPTION

This Service Bulletin includes a check of the hoist extracting device in compliance with Service Bulletin No. 763XX-25-09 from Goodrich Actuation Systems (Appendix [4.A.](#)).

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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.](#) in this Service Bulletin.

Non-installed equipment or parts:

Not applicable.

1.F. APPROVAL



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

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: 10 minutes for the Mechanical Technician.

1.H. WEIGHT AND BALANCE

Not applicable.

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1.I. POWER CONSUMPTION

Not applicable.

1.J. SOFTWARE UPGRADES/UPDATES

Not applicable.

1.K. REFERENCES

This document is necessary to comply with this Service Bulletin:

Service Bulletin (SB):

SB: 763XX-25-09: Goodrich Actuation Systems: (See Appendix [4.A.](#)).

Information Notice (IN):

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

Not applicable.

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2. EQUIPMENT OR PARTS INFORMATION

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

Not applicable.

2.B. LOGISTIC INFORMATION

Not applicable.

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

Not applicable.

2.D. EQUIPMENT OR PARTS TO BE RETURNED

If the check result is incorrect, it is necessary to send back the hoist. Refer to instructions given in the Service Bulletin No. 763XX-25-09 from Goodrich Actuation Systems (Appendix [4.A.](#)).

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3. ACCOMPLISHMENT INSTRUCTIONS

3.A. GENERAL

Not applicable.

3.B. WORK STEPS

Comply with Service Bulletin No. 763XX-25-09 from Goodrich Actuation Systems (Appendix [4.A.](#)).

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



[SB EC155-25-162](#)

NOTE

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

3.D. OPERATING AND MAINTENANCE INSTRUCTIONS

Not applicable.

4. APPENDIX

4.A. Service Bulletin No. 763XX-25-09 from Goodrich Actuation Systems

<p>Goodrich Actuation Systems <small>DIVISION HOIST AND WINCH, 13, AVENUE DE L'ÉGUILLETTE - SAINT-QUEN-LAUMONÉ - BOITE POSTALE 7186 - 95056 CERDY PONTOISE CEDEX France - Desk-customer.Stouen@collins.com</small></p> <p>SERVICE BULLETIN</p> <p>EQUIPMENT / FURNISHING: Complementary verification for correct operation of the cable extracting device. Adding this complementary verification for correct operation of the cable extracting device during the first flight of the day verification and during the periodic verifications.</p> <p>1. <u>Planning information</u></p> <p>A. Effectivity This Service Bulletin applies to:</p> <ul style="list-style-type: none"> - Variable speed hydraulic hoists families 76365 and 76368, - Fixed speed electric hoist family 76370, - Variable speed electric hoists families 76375 and 76378. <p>B. Concurrent requirements Not applicable</p> <p>C. Reason There was one case of a blockage, on a hoist from another family than those listed in paragraph 1.A. of this Service Bulletin. This blockage was due to cable jamming on the drum. Technical investigation showed a failure of cable extracting device. The 2nd level maintenance document, CMM (Component Maintenance Manual) or IMM (Instruction and Maintenance Manual), gives a procedure to verify that motorized extracting roller is turning when cable is reeled out – that is giving tension to the cable. In case of extracting device damage, it is possible that motorized extracting roller is turning but without tensioning the cable. This procedure may not be sufficient and must be updated. This Service Bulletin is edited as a preventive action - see Paragraph 1.D. of this Service Bulletin.</p> <p>D. Description This Service Bulletin provides instruction for:</p> <ul style="list-style-type: none"> - Adding this complementary verification for correct operation of the cable extracting device to the verification before each first flight of the day verification (paragraph 3.A. of this S B). - Adding this complementary verification for correct operation of the cable extracting device during the periodic verifications (paragraph 3.B. of this Service Bulletin). <p>E. Compliance This Service Bulletin for operators introduces the recommendations for a complementary verification to the verification before the first flight of the day and to the periodic verifications.</p> <p><small>COPYRIGHT 2021 © COLLINS AEROSPACE. This document is the property of COLLINS AEROSPACE. You may not possess, use, copy or disclose this document or any information in it, for any purpose, including without limitation, to design, manufacture or repair parts, or obtain any government approval to do so, without COLLINS AEROSPACE express written permission. Neither receipt nor possession of this document alone, from any source, constitutes such permission, possession, use, copying or disclosure by anyone without COLLINS AEROSPACE express written permission is not authorized and may result in criminal and/or civil liability.</small></p> <p><small>**Printed copies are considered UNCONTROLLED – Verify current issue before use**</small></p>	<p>FA3T1</p>
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F. Approval

The technical information contained in this Equipment Manufacturer's Service Bulletin was approved by Airbus Helicopters under the prerogatives of EASA Design Organisation Approval No. 21J.700 only for the Airbus Helicopters helicopter range concerned.

G. Manpower

The time for the complementary verification to the check before the first flight of the day or the periodic checks is estimated at 10 minutes.

H. Weight and balance

Not applicable

I. Electrical load data

Not applicable

J. Software accomplishment summary

Not applicable

K. References

The Manuals 2nd level of maintenance:

- CMM 25-64-98 for hoists systems families 76365 and 76368.
- CMM 25-64-97 for hoist family 76370.
- CMM 25-64-99 for hoists systems families 76375 and 76378, except 76375-300, 76375-200, 76378-300 and 76378-200.
- IMM 712763 in association with SB 76378-300-25-03, for hoists systems 76375-300, 76375-200, 76378-300 and 76378-200.

L. Publication affected

Maintenance manuals

- CMM 25-69-72 (3rd level), for hoists family 76365, CMM 25-69-62 (3rd level), for 76368 hoists family and CMM 25-64-98 (2nd level),
- CMM 25-62-24 (3rd level) and CMM 25-64-97 (2nd level), for 76370 hoist family.
- CMM 25-69-06 (3rd level), for 76375 hoists family except 76375-300 and 76375-200, CMM 25-62-25 (3rd level), for 76378 hoists family except 76378-300 and 76378-200, and CMM 25-64-99 (2nd level),
- CMM 25-69-09 (3rd level), for hoists 76375-300 and 76375-200, CMM 25-69-10 (3rd level), for hoists 76378-300 and 76378-200, and IMM 712763 (2nd level).

M. Interchangeability or intermixability of part

- 1) Interchangeability
Not Applicable
- 2) Intermixability
Not Applicable

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2. Material information

- A. Material – Price and availability
 - 1) Material to be purchased
If investigation is returned to Goodrich Actuation Systems (see paragraph 3.A.(9)) the possible price will be determined following a technical investigation - possibility of contacting Desk-customer.Stouen@collins.com
 - 2) Material to be supplied by the operator
Not applicable.
- B. Material necessary for each equipment
Not applicable.
- C. Material necessary for each spare
Not Applicable.
- D. Re-identified parts
Not Applicable.
- E. Tool – price and availability
Not Applicable

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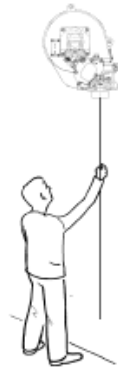
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3. Accomplishment instructions

A. Complementary verification for correct operation of the cable extracting device to the verification in down direction before each first flight of the day - to be added at the beginning of the functional check during the first flight of the day verification (paragraphs 3.A.(2) of CMM 25-64-97, 25-64-98, 25-64-99, and paragraph 5.3.1 Preflight check, item 21 of IMM 712763).

- (1) Apply power to the hoist system.
- (2) Give a manual extracting force to the hook assembly, then activate shortly control pendant in down direction to reel out about 0.5 m (1.6 ft) of cable from the up limit.
- (3) Hold manually the cable at about 0.5 m (1.6 ft) from the up limit, preventing it to move down – see figure 1.
- (4) Then activate shortly control pendant in down direction and verify that the cable forms a loop outside of the hoist – see figure 2.

CAUTION: IN CASE VERIFICATION IN PARAGRAPH 3.A.(4) IS INCORRECT, THE HOIST SHALL BE SENT TO THE REPAIR FACILITY.



Holding cable at about 0.5 m (1.6 ft) from the top

Figure 1



Formation of a loop outside of the hoist

Figure 2

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- (5) Release manual holding of the cable.
 - (6) Reel in the cable to the automatic stop at up limit.
 - (7) Release power to the hoist.
 - (8) Indicate on the Log Card the first application of SB 763XX-25-09 and the result of the verification.
 - (9) If the verification in this paragraph 3.A.(4) is not compliant the hoist must be sent for investigation to Goodrich Actuation Systems, Hoist & Winch, requesting first a RMA (*) At Desk-customer.Stouen@collins.com.
 - (*) It is reminded that RMA is a standard Return Material Authorization request to assure the correct identification of the material, a clear reason for return as well as logistic information are given.
- B. Adding the complementary verification for correct operation of the cable extracting device in accordance with paragraphs 3.A.(1) to 3.A.(5) of this Service Bulletin during the periodic verifications:
- For CMM 25-64-98: updating paragraph 4.C. «Verification of the cable extraction and winding in» (chapter CHECK).
 - For CMM 25-64-97: updating paragraph 4.C. «Check for cable extraction and winding in» (chapter CHECK).
 - For CMM 25-64-99: updating paragraph 4.C. «Verification of the cable extraction and winding in» (chapter CHECK).
 - For IMM 712763: updating paragraph 2. «Hoist system functional tests - Adjusting the cable extracting mechanism », chapter TESTING AND FAULT ISOLATION

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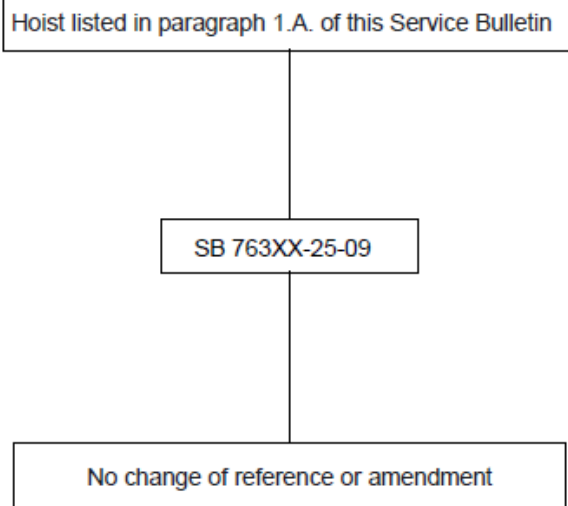
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4. Appendix

Modification table



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