



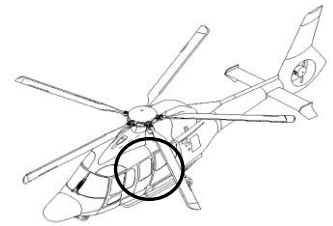
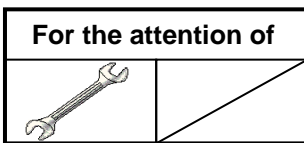
No. EC155-25A157

Civil version(s): B, B1

ALERT SERVICE BULLETIN

PROTECTIVE MEASURE

EQUIPMENT AND FURNISHING - Electrical Hoist Complementary maintenance of the electrical hoist



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

Summary:

This ALERT SERVICE BULLETIN provides complements to 2nd level maintenance operations to prevent damage to the winding screw and guide pin due to pollution for the hoist P/N 76378-XXX.

Compliance:

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

No. EC155-25A157

1. PLANNING INFORMATION

1.A. EFFECTIVITY

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

Helicopters EC155 all versions with hoist P/N 76378-XXX.

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

Hoist P/N 76378-XXX.

1.B. ASSOCIATED REQUIREMENTS

Not applicable.

1.C. REASON

During winch training, hoist 76368-240-D has been found jammed by end-user, due to premature wear of the winding screw and the guide pin preventing the guide pin to change direction when requested. Wear of both parts is caused by presence of sand in the lubricating grease.

This ALERT SERVICE BULLETIN provides complements to 2nd level maintenance operations to prevent damage to the winding screw and guide pin due to pollution for the hoist P/N 76378-XXX.

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

1.D. DESCRIPTION

This ALERT SERVICE BULLETIN consists to give a complementary maintenance of the hoist P/N 76378-XXX.

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 the instructions of paragraph [3](#). of this ALERT SERVICE BULLETIN at the next periodic maintenance check without you exceed 50 Hoist Cycles (HC) or 6 months after you received the Revision 0 of this ALERT SERVICE BULLETIN (the first limit you meet is applicable). Refer to the date in the page footer.

No. EC155-25A157

Then, the periodic maintenance operations will be provided in accordance with GOODRICH manuals update.



WARNING

**IF HOIST OPERATIONS ARE CONTINUED WITH A SEVERELY DAMAGED CABLE, A CABLE JAM OR A MISWRAP, THE CABLE COULD MISWRAP OR JAM WITHIN THE HOIST.
THIS COULD CAUSE THE CABLE TO BREAK.**

Non-installed equipment or parts:

Before the installation of the hoist on the helicopter, comply with the instructions of paragraph [3.](#) of this ALERT SERVICE BULLETIN.

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 02, 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: 1 Mechanical Technician.



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

Estimated Man-hours: half an hour for one Mechanical Technician for the complementary maintenance.



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 complementary maintenance.

1.H. WEIGHT AND BALANCE

Not applicable.

No. EC155-25A157

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.

Service Bulletin (SB):

SB: 763XX-25-08: Goodrich Actuation Systems: (see Appendix [4.A.](#))

Information Notice (IN):

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

1.L. OTHER AFFECTED PUBLICATIONS

Not applicable.

1.M. PART INTERCHANGEABILITY OR MIXABILITY

Not applicable.

No. EC155-25A157

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

Not applicable.

No. EC155-25A157

3. ACCOMPLISHMENT INSTRUCTIONS

3.A. GENERAL

Not applicable.

3.B. WORK STEPS

Comply with the Goodrich Service Bulletin No. 763XX-25-08, refer to Appendix [4.A.](#)

3.C. RECORD OF COMPLIANCE

Compliance with this document:

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



NOTE

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

[ASB EC155 25A157](#)

3.D. OPERATING AND MAINTENANCE INSTRUCTIONS

Not applicable.

4. APPENDIX

4.A. GOODRICH SERVICE BULLETIN No. 763XX-25-08

Goodrich Actuation Systems

DIVISION HOIST AND WINCH, 13, AVENUE DE L'EGUILLETTE - SAINT-OUEN-LAUMONE -
BOITE POSTALE 7195 - 95095 CERDY PONTAISE CEDEX FRANCE - TEL: 33134326300

FA3T1

SERVICE BULLETIN

EQUIPMENT / FURNISHING: Check of the condition of the winding screw

1. Planning information

A. Effectivity

This Service Bulletin applies to:

- Hydraulic hoists families 76365 and 76368.
- Electric hoists families 76375 and 76378.

B. Concurrent requirements

Not applicable.

C. Reason

A 76368-240-D hoist jam occurred due to premature wear of the winding screw caused by the presence of sand in the lubricating grease. Wear on the threads of the screw weakened the tips at the intersection of the left and right threads and, as a result, one of the tips bent - see figure 1.



Localization of tips at the intersection of the left and right threads
of a winding screw

Figure 1

This Service Bulletin is edited to provide a spot check of the correct condition of the winding screw.

D. Description

This bulletin service provides the spot check procedure for the correct condition of the winding screw according to the following steps:

- Cleaning the winding screw,
- Checking the condition of the winding screw,
- Lubrication of the winding screw.

COPYRIGHT 2022 © 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.

Printed copies are considered UNCONTROLLED – Verify current issue before use

DATE: 28 FEB 2022

REVISION: 0

763XX-25-08

Page 1 / 7

EXPORT CONTROL: This document contains technology or technical data not controlled under French regulations. COLLINS AEROSPACE PROPRIETARY. Subject to the restriction on the title or cover page.

**Printed copies are considered UNCONTROLLED – Verify current issue before use **

Goodrich Actuation Systems

DIVISION HOIST AND WINCH, 13, AVENUE DE L'EGUILLETTE - SAINT-OUEN-LAUMONIE -
BOITE POSTALE 7186 - 95056 CERGY PONTOISE CEDEX FRANCE - TEL. 33194326300

FA3T1

SERVICE BULLETIN

E. Compliance

This recommended Service Bulletin is applicable by operators.

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 additional daily maintenance is estimated between 20 minutes and 30 minutes.

H. Weight and balance

Not applicable.

I. Electrical load data

Not applicable.

J. Software accomplishment summary

Not applicable.

K. References

The 2nd level Component Maintenance:

- CMM 25-64-98 for hoists systems of families 76365 and 76368,
- CMM 25-64-99 for hoists systems of families 76375 and 76378, excluded 76375-300, 76375-200, 76378-300 and 76378-200.
- Instruction and Maintenance Manual (IMM) 712763 for hoists systems 76375-300 and 76378-300, and in association with SB 76378-300-25-03 for hoists 76375-200 and 76378-200.

L. Publication affected

Not applicable.

M. Interchangeability or intermixability of parts

(1) Interchangeability

Not applicable.

(2) Intermixability

Not applicable.

DATE: 28 FEB 2022

REVISION: 0

763XX-25-08

Page 2 / 7

EXPORT CONTROL: This document contains technology or technical data not controlled under French regulations.
COLLINS AEROSPACE PROPRIETARY. Subject to the restriction on the title or cover page.

****Printed copies are considered UNCONTROLLED – Verify current issue before use ****

Goodrich Actuation Systems

DIVISION HOIST AND WINCH, 13, AVENUE DE L'EGUILLETTE - SAINT-OUEN-LAUMONIE -
BOITE POSTALE 7199 - 95096 DERGY PONTOISE CEDEX FRANCE - TEL: 33194326300

FA3T1

SERVICE BULLETIN

2. Material information

- A. Material – Price and availability
 - (1) Material to be purchased
None.
 - (2) Material to be supplied by the operator
None.
- B. Industry support information
Not applicable.
- C. Material necessary for each equipment
Not applicable.
- D. Material necessary for each spare
Not applicable.
- E. Re-identified parts
Not applicable.
- F. Tooling – price and availability
 - Starnet (degreaser for industriale use),
 - Isopropyl Alcohol,
 - Grease AIR 4217 (NATO G-353).

DATE: 28 FEB 2022

REVISION: 0

763XX-25-08

Page 3 / 7

COLLINS AEROSPACE PROPRIETARY. Subject to the restriction on the title or cover page.

**Printed copies are considered UNCONTROLLED – Verify current issue before use **

EXPORT CONTROL: This document contains technology or technical data not controlled under French regulations.

Goodrich Actuation Systems

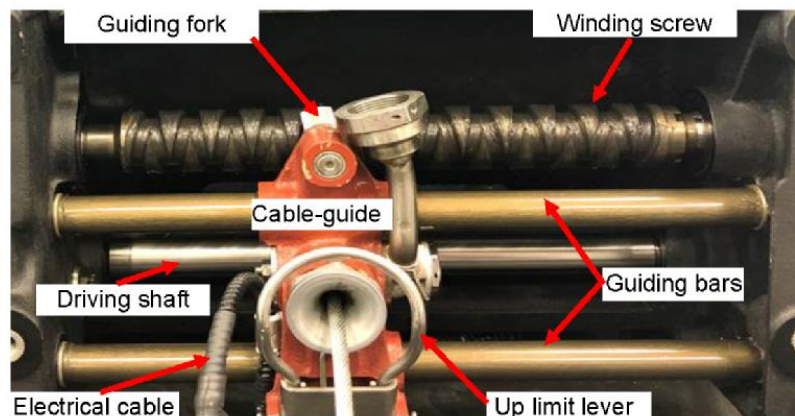
DIVISION HOIST AND WINCH, 13, AVENUE DE L'EGUILLETTE - SAINT-OUEN-LAUMONIE -
BOITE POSTALE 7189 - 95056 CERGY PONTOISE CEDEX FRANCE - TEL: 33194326300

FA3T1

SERVICE BULLETIN

3. Accomplishment instructions

- A. Cleaning the winding screw of the cable guide system - see figures 2 and 3
- Clean the winding screw and guide fork with a non-metallic brush and / or with a lint-free cloth using Starnet or Isopropyl Alcohol.



Cable-guide area including winding screw and guiding fork

Figure 2

- Move the cable-guide, reeling out up to 5 m (16.4 ft) of cable in order to completely clean the winding screw.
- Make sure there is no more grease, sand or dust deposit.
- In particular, ensure the complete cleaning of guiding fork inversion areas on the winding screw – see figure 3.



Guiding fork inversion areas
(inducing the reversal of direction of displacement of the cable guide)

Figure 3

Note: Do not use compressed air, even at low pressure.

DATE: 28 FEB 2022

REVISION: 0

763XX-25-08

Page 4 / 7

COLLINS AEROSPACE PROPRIETARY. Subject to the restriction on the title or cover page.

**Printed copies are considered UNCONTROLLED – Verify current issue before use **

EXPORT CONTROL: This document contains technology or technical data not controlled under French regulations.

Goodrich Actuation Systems

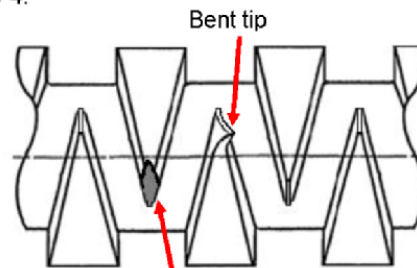
DIVISION HOIST AND WINCH, 13, AVENUE DE L'EGUILLETTE - SAINT-OUEN-LAUMONIE -
BOITE POSTALE 7199 - 95056 DERGY PONTOISE CEDEX FRANCE - TEL: 33194326300

FA3T1

SERVICE BULLETIN

B. Checking the correct condition of the winding screw - see figures 4 and 5

- (1) Check for damaged (bent or broken) tips on the winding screw – see figure 4.



Example of a winding screw with damaged tips
Figure 4

This check of all the tips is to be performed over the entire length of the winding screw

- By checking from one side of the winding screw to the other side by rotating half a turn of the winding screw by reeling out or reeling in about 1 m (3.28 ft) of cable – see figure 5.
- By checking specially at the inversion areas of the guiding fork – see Figure 5.



Guiding Guide fork inversion areas
Figure 5

- By checking in particular the area where the guiding fork is located in the hook assembly stowage position - moving the cable guide by reeling out about 5 m (16.4 ft) of cable.
- (2) If there is one or several bent or broken tips on the winding screw, the hoist must be sent for repair 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 in order to assure that identification of the material, a clear reason for return as well as logistic information are given.
 - (3) If the winding screw does not have a damaged tip, lubricate in accordance with paragraph 3.C. of this Service Bulletin.

DATE: 28 FEB 2022

REVISION: 0

763XX-25-08

Page 5 / 7

COLLINS AEROSPACE PROPRIETARY. Subject to the restriction on the title or cover page.

**Printed copies are considered UNCONTROLLED – Verify current issue before use **

EXPORT CONTROL: This document contains technology or technical data not controlled under French regulations.

Goodrich Actuation Systems

DIVISION HOIST AND WINCH, 13, AVENUE DE L'EGUILLETTE - SAINT-OUEN-LAUMONIE -
BOITE POSTALE 7189 - 95056 CERIGY PONTOISE CEDEX FRANCE - TEL: 33194326300

FA3T1

SERVICE BULLETIN

C. Lubrication of the winding screw – see figure 6

- (1) Lubricate the winding screw with grease AIR 4217 (NATO G-353).

The amount of grease to use is approximately 1 cm³ (0.06 in³) and the grease is to be distributed evenly on the surface of the thread of the winding screw with a brush – see figure 6. Wind a few meters of cable to move the cable guide so that the winding screw can be completely greased.



Correct application of grease to the winding screw

Figure 6

- (2) Write down on the Log Card of the hoist the application of SB 763XX-25-08 and the result of the verification.

DATE: 28 FEB 2022

REVISION: 0

COLLINS AEROSPACE PROPRIETARY. Subject to the restriction on the title or cover page.

**Printed copies are considered UNCONTROLLED – Verify current issue before use **

EXPORT CONTROL: This document contains technology or technical data not controlled under French regulations.

763XX-25-08

Page 6 / 7

No. EC155-25A157

Goodrich Actuation Systems

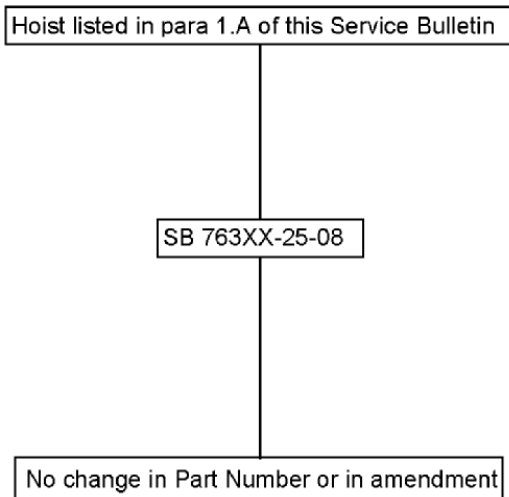
DIVISION HOIST AND WINCH, 13, AVENUE DE L'EGUILLETTE - SAINT-OUEN-LAUMONIE -
BOITE POSTALE 7186 - 95056 DERGY PONTOISE CEDEX FRANCE - TEL. 33194326300

FA3T1

SERVICE BULLETIN

4. Appendix

A. Modification table



DATE: 28 FEB 2022

REVISION: 0

763XX-25-08

Page 7 / 7

COLLINS AEROSPACE PROPRIETARY. Subject to the restriction on the title or cover page.

**Printed copies are considered UNCONTROLLED - Verify current issue before use **

EXPORT CONTROL: This document contains technology or technical data not controlled under French regulations.