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**FAA APPROVED
ROTORCRAFT FLIGHT MANUAL SUPPLEMENT
FOR
Hinge, Locking Assembly
(P/N 429-003-901DEC)**

ON

**Bell Helicopter Textron Canada Limited (BHTCL) Model 429 Helicopters
Report No. DEC13052-RFMS**

REGISTRATION NO. _____

SERIAL NO. _____

This supplement shall be attached to the appropriate FAA Approved BHTCL 429 Rotorcraft Flight Manual when the **DEC Technologies, Inc. Hinge, Locking Assembly** is installed in accordance with STC SR04210AT.

The information contained herein supplements or supersedes the information of the Basic Rotorcraft Flight Manual only in those areas listed herein. For limitations, procedures, and performance data not contained in this supplement, consult the Basic Rotorcraft Flight Manual and applicable Rotorcraft Flight Manual Supplements.

APPROVED: _____

A handwritten signature in blue ink, appearing to read "David Green".

Manager, Atlanta Aircraft Certification Office
Federal Aviation Administration

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LOG OF REVISIONS

Rev	Date	Description	Pages Affected
IR	05/28/15	Initial Release FAA Approved <u>See title page.</u>	All

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SECTION 1: LIMITATIONS

No change from basic Rotorcraft Flight Manual.

SECTION 2: NORMAL PROCEDURES

No change from basic Rotorcraft Flight Manual

SECTION 3: EMERGENCY / MALFUNCTION PROCEDURES

Advisory (Green, White or Cyan) Lights/Messages

<u>Message</u>	<u>System Condition</u>	<u>Required Action</u>
BAG DOOR	In conjunction with DOOR caution; Respective door ajar	If Baggage Bay Door is open, land as soon as possible; depress red button on top of Hinge, Locking Assembly; close and secure door normally.

SECTION 4: PERFORMANCE

No change from basic Rotorcraft Flight Manual.

SECTION 5: OPTIONAL EQUIPMENT SUPPLEMENT

No change from basic Rotorcraft Flight Manual.

MANUFACTURER'S DATA**SECTION 6: WEIGHT AND BALANCE**

Description of Installation	Weight	Station	Lateral Arm
Hinge, Locking Assembly P/N 429-003-901DEC	Negligible net weight change	260.0 in (6604 mm)	32.0 in (Right) (812.8 mm)

SECTION 7: SYSTEM DESCRIPTION

The Hinge, Locking Assembly P/N 429-003-901DEC is a modification that is installed on the Baggage Bay Door of Bell 429 model rotorcraft. The purpose of the modification is to provide a mechanism to automatically lock the baggage door in a stable, open position for convenient loading and unloading of cargo (see Figure 1). The Hinge, Locking Assembly also provides a simple means of releasing the lock to allow the Baggage Bay Door to close normally.

The Hinge, Locking Assembly replaces the existing Bell Hinge, Upper and Clevis, Upper, Baggage Door. The Hinge, Locking Assembly adds a securing feature that will hold the Baggage Bay Door open while the baggage compartment is accessed.

The locking action of the Hinge Locking, Assembly is completely mechanical and automatic (see Figures 2 and 3). As the Baggage Bay Door is opened, a spring loaded shoulder pin travels in a slot allowing free movement of the door. When the Baggage Bay Door is rotated to the fully open position, the shoulder pin drops into a detent at the end of the slot, locking the door in the open position. An audible "snap" will be heard.

To unlock the Baggage Bay Door, depress the red button on the Hinge, Locking Assembly and close the door normally. Closing force should not be applied to the Baggage Bay Door until the red button is fully depressed.

A decal is installed on the inside surface of the Baggage Bay Door to provide instruction to the operator on how to release the lock and close the Baggage Bay Door (see Figure 4).

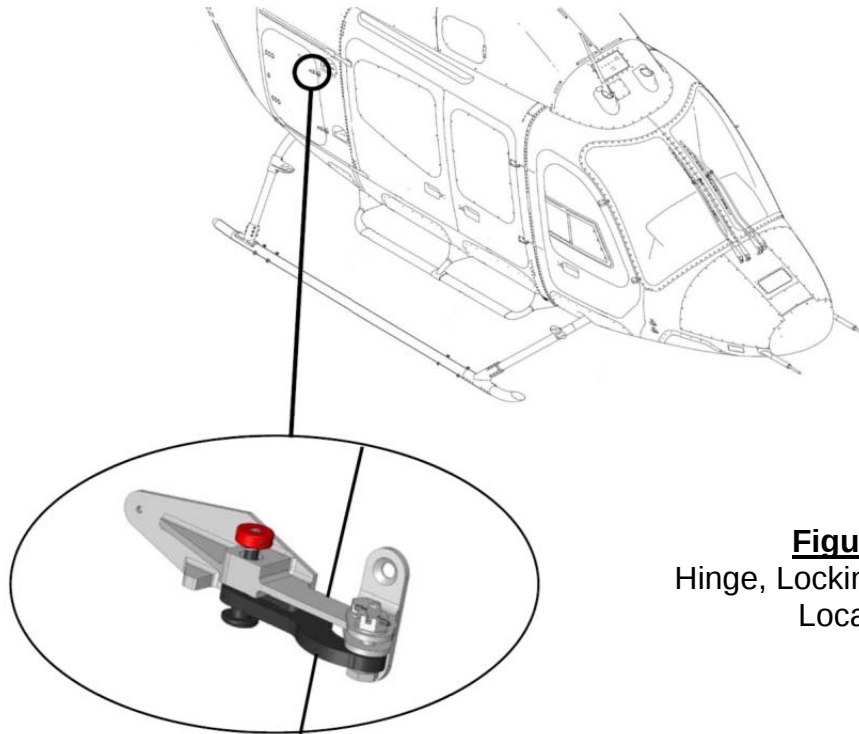


Figure 1
Hinge, Locking Assembly
Location

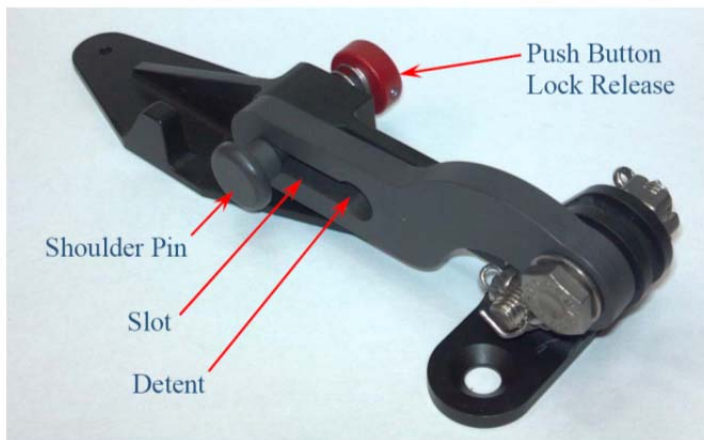


Figure 2
Hinge, Locking Assembly
(Baggage Bay Door Closed)



Figure 3
Hinge, Locking Assembly
(Baggage Bay Door Locked Open)

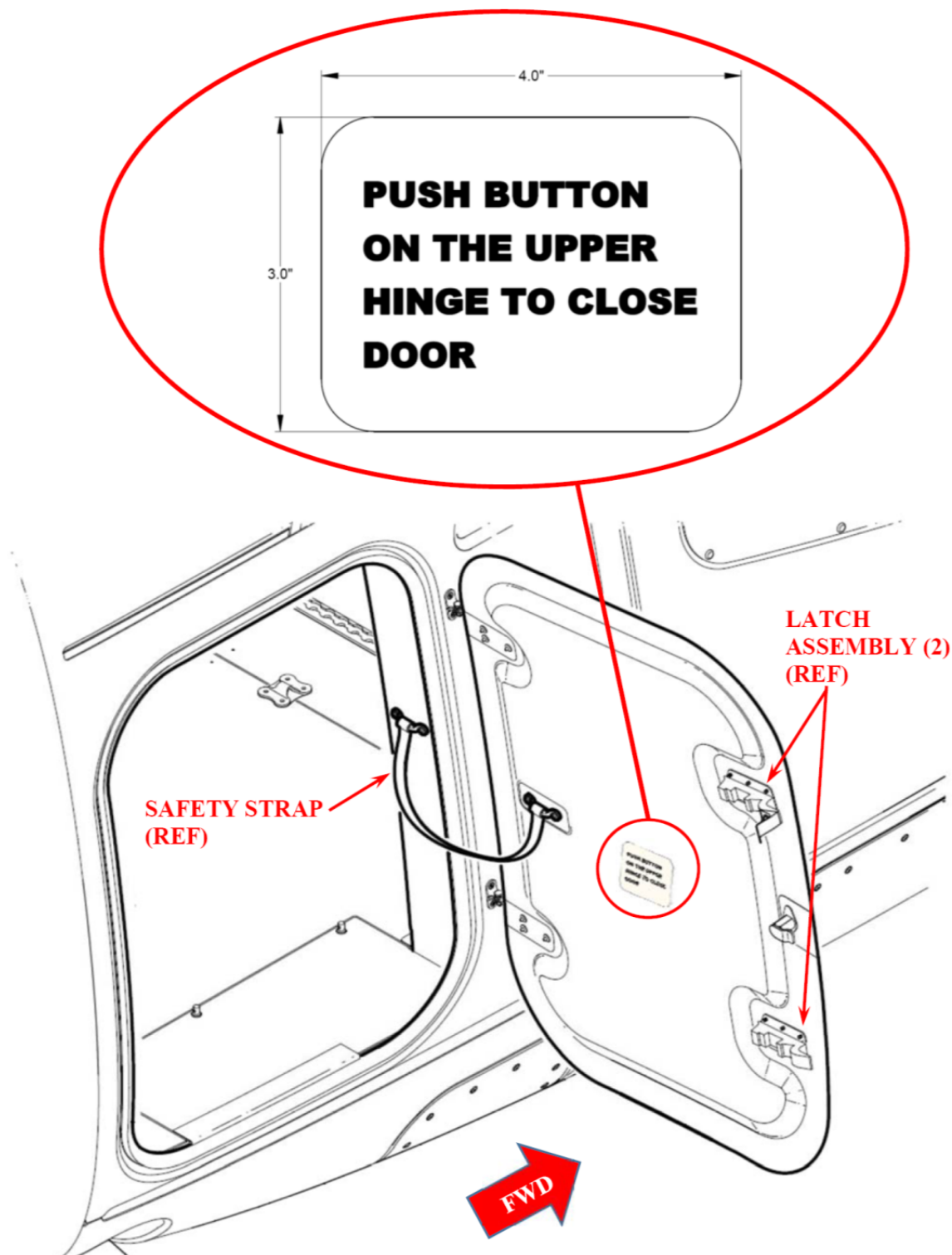


Figure 4
Decal Location