



A Textron Company

ALERT SERVICE BULLETIN

429-16-31

PSL 700000221

17 October 2016

Revision A, 27 July 2017

MODEL AFFECTED: 429

SUBJECT: WHEELED LANDING GEAR COCKPIT CONTROL PANEL LIMITATIONS, CHANGE OF.

HELICOPTERS AFFECTED: Serial numbers 57150, 57168, 57176, 57210, 57211, 57212, 57213, 57214, 57215, 57216, 57265, 57266, 57267, and 57287

[Serial number 57289 and subsequent will have the intent of this bulletin accomplished prior to delivery.]

COMPLIANCE: **Part I:** Within 50 flight hours or 30 December 2016, whichever occurs first.
Part II: No later than July 31, 2019.

DESCRIPTION:

The limitation indication (VLO/VLE) on the edge-lit wheeled landing gear cockpit control panel (CCP) does not match Flight Manual Supplement (FMS), BHT-429-FMS-10, Revision 7, which has been reduced from 120 Knots Indicated Air Speed (KIAS) to 80 KIAS. This Alert Service Bulletin (ASB) is to introduce a decal that will be installed over the original panel limitations, reflecting the new limitations. Applicability of this bulletin to any spare part shall be determined prior to its installation on an affected helicopter.

Revision A of this ASB adds **Part II** which introduces a mandatory wheeled landing gear control panel 429-336-304-101 upgrade to the -103 configuration. The new panel configuration incorporates an edgelit panel with a limitation indication (VLO/VLE) that matches with the Flight Manual Supplement (FMS) BHT-429-FMS-10, Revision 7 limitations. Due to the limited number of reconditioned panels, customers must file a warranty claim referencing the Product Service Letter (PSL). Parts will be provided on a first come first served basis. Compliance with **Part II** is the terminating action for this ASB. Operators already having performed the initial release of the ASB meet the intent of **Part I**.

APPROVAL:

The engineering design aspects of this bulletin are Transport Canada Civil Aviation (TCCA) approved.

CONTACT INFO:

For any questions regarding this bulletin, please contact:

Bell Helicopter Product Support Engineering - Intermediate Helicopters
Tel: 450-437-2077 / 1-800-463-3036 / pseinter@bh.com

MANPOWER:

Approximately 0.5 hours are required to complete **Part I** of this bulletin.

Approximately 4.0 man-hours are required to complete **Part II** of this bulletin. This estimate is based on a hands-on time and may vary with personnel and facilities available.

WARRANTY:

Owners/operators of Bell helicopters who comply with the instructions in this bulletin will be eligible to receive non-prorated replacement panels, listed in the bulletin. Only those aircraft 57150,57168,57176 thru 57215, 57216, 57265 thru 57267, and 57287 are eligible to receive a control head under warranty. There is a limited rotatable pool, and claims will be processed on a first come basis. Cores must be shipped on a RMA within 14 days of receipt of your replacement part. Failure to return the core within 14 days will result in a billing at full list price.

Bell Helicopter has recently introduced enhancements to the VISTA Portal, which allocates specific warranty entitlement for a helicopter by serial number. The Product Service Letter (PSL) number, which will be listed below the bulletin number on the introduction page, is going to be a required field when submitting a claim for replacement parts, labor, and/or freight. If you receive an ASB or TB that does not have a PSL number, then there is no warranty entitlement for that bulletin.

Labor entitlement: None.

To receive parts, under warranty:

- Comply with the instructions contained in this bulletin not later than the applicable date in the Compliance Section.
- If there is a PSL number identified in the bulletin, you will be required to enter this PSL number which will validate warranty entitlement for the selected helicopter. Please make sure that you use the Bulletin tab on the warranty section in VISTA to file your claim.

NOTE:

Customers who fail to comply with the instructions in this bulletin before the **July 31st 2019**, is not eligible for the special warranty listed above.

MATERIAL:

Required Material:

The following material is required for the accomplishment of this bulletin and may be obtained through your Bell Helicopter Textron Supply Center.

<u>Part Number</u>	<u>Nomenclature</u>	<u>Qty (Note)</u>
31-138-1	Decal	1 (1)
429-336-304-103	Cockpit Control Panel	1 (2)

NOTES:

1. Part required for **Part I** of this ASB. Decal (Figure 1, Detail B) may be locally manufactured using information in Figure 2.
2. Part required for **Part II** of this ASB.

Consumable Material:

The following material is required to accomplish this bulletin, but may not require ordering, depending on the operator's consumable material stock levels. This material may be obtained through your Bell Helicopter Textron Supply Center.

<u>Part Number</u>	<u>Nomenclature</u>	<u>Qty (Note)</u>	<u>Reference *</u>
299-947-117, Type II	Polyurethane Enamel	A/R (1)	C-233
2110-00010-00	Aliphatic Naphtha	A/R (1)	C-305
2110-06227-00	Toluene	A/R (1)	C-306
2010-06640-00	Edge Sealer	A/R (1)	C-349
2100-06673-00	Isopropyl Alcohol	A/R (1)	C-385
2000-06383-00	Masking tape	A/R (1)	C-426
N/A	Cloth Cleaning, Low-Lint	A/R (1) (2)	C-516
NAS820-XX	Caps and Plugs	A/R (1) (3) (4)	C-156

* C-XXX numbers refer to the consumables list in the BHT-ALL-SPM, Standard Practices Manual

NOTES:

1. Only required for **Part I** of this ASB.
2. Commercially available products.
3. Various sizes exist. Cap and plug of the appropriate size should be selected.
4. Required only for **Part II** of this ASB.

SPECIAL TOOLS:

None required.

WEIGHT AND BALANCE:

Not affected

ELECTRICAL LOAD DATA:

Not affected.

REFERENCES:

BHT-ALL-SPM, Standard Practice Manual
BHT-429-MM Maintenance Manual
BHT-429-FMS-10, Flight Manual Supplement
Information Letter GEN-04-98

PUBLICATIONS AFFECTED:

BHT-429-IPB Illustrated Parts Breakdown
BHT-429-FMS-10, Flight Manual Supplement

ACCOMPLISHMENT INSTRUCTIONS:

Part I – Installation of Decal

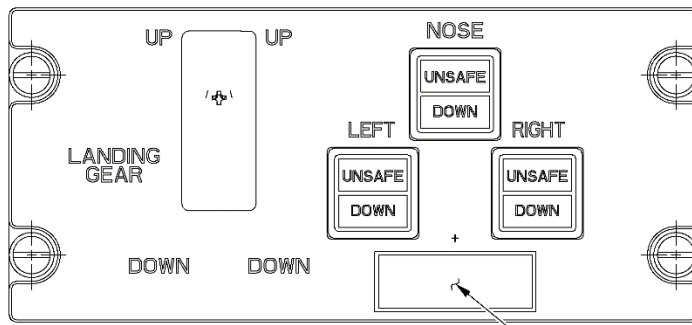
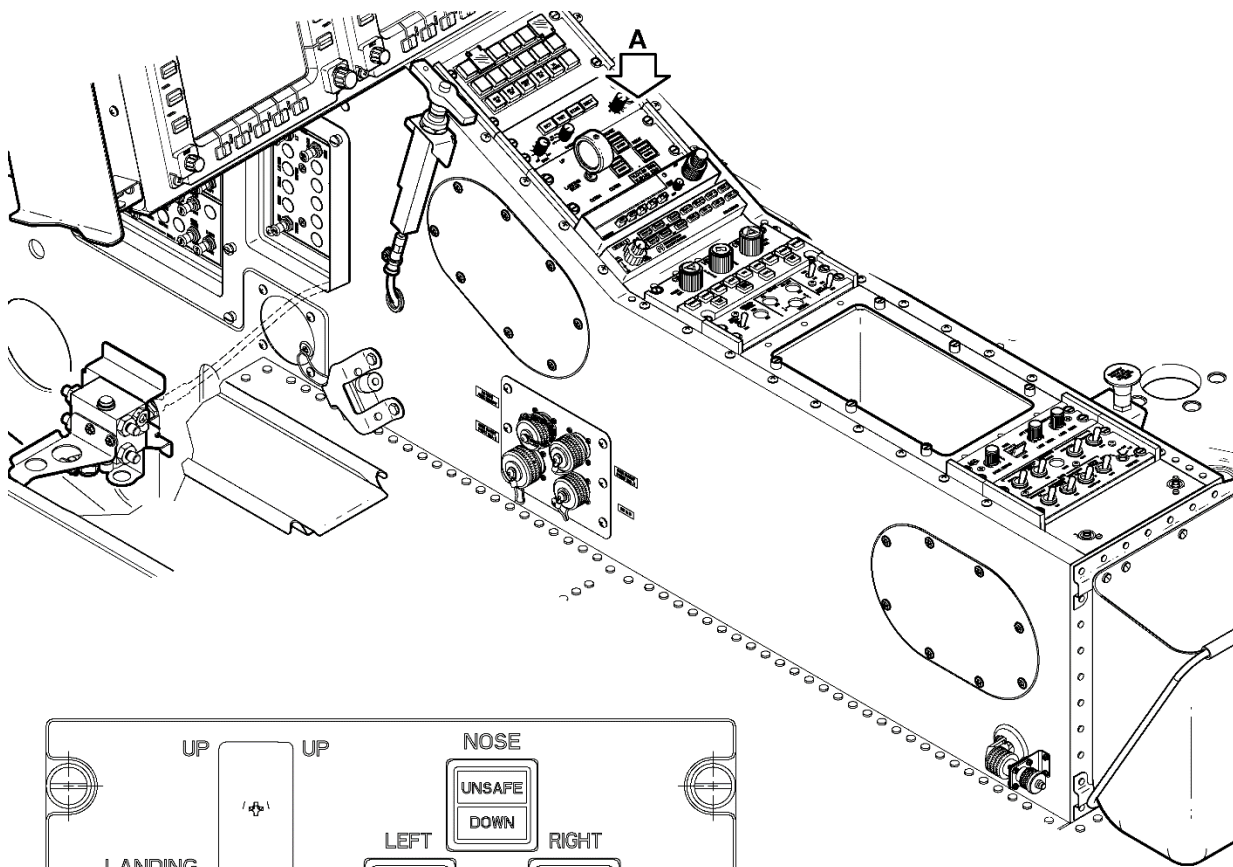
1. Prepare the helicopter for maintenance.
2. Locate area on the wheeled landing gear cockpit control panel on the pedestal (Figure 1) to which decal will be applied (Figure 1, View A).
3. Install the decal (Figure 1, Detail B Post Bulletin) in the location noted on the wheeled landing gear cockpit control panel (Figure 1, View A) of the pedestal. BHT-429-MM-1 Chapter 11 for Application of decal.
4. Make an entry in the helicopter logbook and historical service records indicating compliance with **Part I** of this Alert Service Bulletin.

Part II – Replacement of Control Panel

-NOTE-

Prior to accomplishing **Part II**, make sure that a warranty claim has been submitted (follow instructions provided in **WARRANTY** section) and that a replacement wheeled landing gear control panel 429-336-304-103 has been received.

1. Prepare the helicopter for maintenance.
2. Remove wheeled landing gear control panel 429-336-304-101 (BHT-429-MM-2, Chapter 96).
3. Return the wheeled landing gear control panel 429-336-304-101 to Bell Helicopter Customer Property Return (CPR) (IL GEN-04-98).
4. Install new wheeled landing gear control panel 429-336-304-103 (BHT-429-MM-2, Chapter 96).
5. Make an entry in the helicopter logbook and historical service records indicating compliance with **Part II** of this Alert Service Bulletin.



VIEW A

SEE DETAIL B

VLO= 120 KIAS
VLO= 140 KIAS

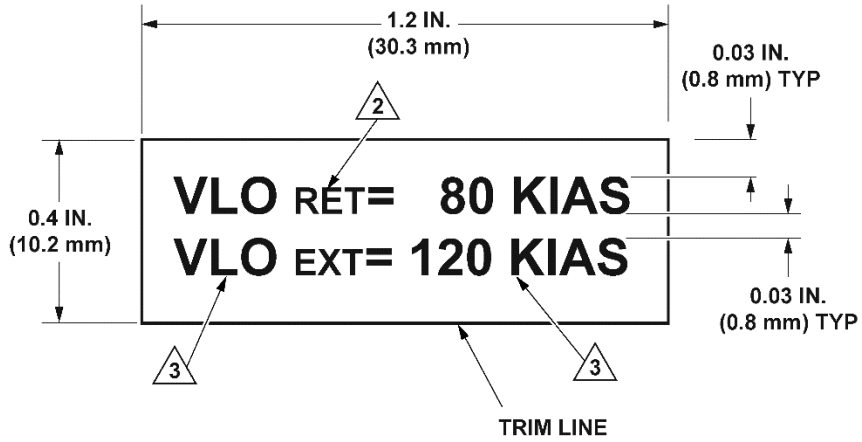
DETAIL B
(PRE BULLETIN)

VLO RET= 80 KIAS
VLO EXT= 120 KIAS

DETAIL B
(PPOST BULLETIN)

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Figure 1 – Cockpit Control Panel Decal Installation



PN 31-138-1

NOTES

1. To comply with MIL-DIL-43719/2 type 1, class 1.
- 2 Letters to be white (color). All characters shall be 10 points (height) futura condensed.
- 3 Letters to be white (color). All characters shall be 14 points (height) futura condensed.
4. Background shall be black, color.
5. A clear gloss self-adhesive polyester or vinyl film shall be applied over the finished decal.

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Figure 2 – Decal Local Manufacturing Information