

ALERT SERVICE BULLETIN

Bell Helicopter **TEXTRON**

A Subsidiary of Textron Inc.

NO. 427-01-03

DATE 09-18-01

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DATE

REV

MODEL AFFECTED: 427

SUBJECT: Air Speed Limitation Decal, Replacement of P/N 427-020-671-109 and 427-020-671-111 Decal (s)

HELICOPTERS AFFECTED: Model 427 Helicopters serial number 56001 through 56024 that have the IGW 6350 RETRO KIT 427-704-002-101 installed, and helicopters serial number 56025 through 56028.

[Model 427 helicopters serial numbers 56029 and subsequent, and model 427 serial numbers 58001 and subsequent, will have the intent of this bulletin accomplished prior to delivery.]

COMPLIANCE: At the next 50 Hour scheduled inspection.

DESCRIPTION:

The installed airspeed limitation decals are replaced with a new air speed limitation decal to reflect the current airspeed limitations decal as per the flight manual.

APPROVAL:

The engineering design aspect of this bulletin are Transport Canada approved.

MANPOWER:

Approximately 1 man-hour is required to complete this bulletin. Man-hours are based on hands-on time, and may vary with personnel and facilities available.

WARRANTY:

Parts are supplied with the mailed paper copy of the bulletin.

AN APPROPRIATE ENTRY SHOULD BE MADE IN THE AIRCRAFT LOG BOOK UPON ACCOMPLISHMENT
IF OWNERSHIP OF AIRCRAFT HAS CHANGED PLEASE FORWARD TO NEW OWNER

MATERIAL:

Required Material:

The following materials required for the accomplishment of this bulletin are supplied with the bulletin.

<u>Part Number</u>	<u>Nomenclature</u>	<u>Quantity</u>
427-020-671-113	DECAL	2 (see note)

Note: Two decals need to be installed when dual controls kit 427-706-702 is installed

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>Quantity</u>	<u>Reference</u>
TT-N-95,TYII 1GAL	Aliphatic Naphtha	1	C-305

SPECIAL TOOLS:

None required

WEIGHT AND BALANCE:

Not affected

ELECTRICAL LOAD DATA:

Not affected

REFERENCES:

BHT-427 –IPB Illustrated Parts Breakdown, Chapter 11 and 67
BHT-427 -MM Maintenance Manual, Chapter 11
BHT-427-FM2

PUBLICATIONS AFFECTED:

BHT-427 –IPB Illustrated Parts Breakdown, Chapter 11 and 67
BHT-427 -MM Maintenance Manual, Chapter 11
BHT-427-FM2

ACCOMPLISHMENT INSTRUCTIONS:

1. Remove existing airspeed limitation decal from the interior panel located at the top of the pilot windshield, and if dual controls kit 427-706-702 is installed, remove also the decal located above the copilot’s windshield. Use a sharp pointed knife to lift one corner of the decal and then remove the decal.
2. Remove the decal(s) adhesive that remains with aliphatic naphtha (C-305).
3. Install decal(s) P/N 427-020-671-113 in the location of the previously removed decal(s).
4. Insert BHT-427-FM-2 Rev 2 in the Flight Manual
5. Annotate the helicopter records reflecting compliance with this bulletin.

427 AIRSPEED LIMITATIONS KIAS											
OAT °C	PRESSURE ALTITUDE x 1000 FT										
	0	1	2	3	4	5	6	7	8	9	10
42.2	140	–	–	–	–	–	–	–	–	–	–
40	140	134	–	–	–	–	–	–	–	–	–
35	140	137	130	123	115	–	–	–	–	–	–
30	140	140	133	126	118	111	104	–	–	–	–
25	140	140	136	129	122	114	107	100	93	85	–
20	140	140	140	132	125	118	110	103	96	89	81
10	140	140	140	139	132	125	117	110	102	95	88
0	140	140	140	140	139	132	124	117	109	102	95
-10	140	140	140	139	137	134	132	124	117	109	102
-20	139	136	134	131	129	127	124	122	120	117	109
MAXIMUM OEI VNE 100 KIAS											
AUTOROTATION VNE 80 KIAS											

Decal P/N 427-020-671-113

Figure 1