

TECHNICAL BULLETIN
Bell Helicopter
A Textron Company

No. 206L-08-231

Date FEB 22, 2008

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DATE
REV

MODEL AFFECTED: 206L-1

SUBJECT: AIRSPEED LIMITATION PLACARDS,
INTRODUCTION OF

HELICOPTERS AFFECTED: Model 206L-1 helicopters serial number 45154 through 45790 that have accomplished BHT-206-SI-2050 (engine upgrade).

COMPLIANCE: At Customer's Option

DESCRIPTION:

Bell Helicopter is introducing new airspeed limitations placard to 206L-1s that accomplish the Service Instruction BHT-206-SI-2050 (engine upgrade).

Prior to accomplishing this Technical Bulletin, it is a pre-requisite to have an airspeed indicator installed that is marked in KNOTS Indicated Airspeed (KIAS) or a dual marked indicator in Miles per Hour (MPH) and KIAS.

APPROVAL:

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

MANPOWER:

Approximately 1.5 man-hours are required to complete this bulletin. Man-hours are based on hands-on time, and may vary with personnel and facilities available.

WARRANTY:

There is no warranty credit applicable for parts or labor associated with this Bulletin.

MATERIALS:

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>Quantity</u>
206-704-734-111	PLATE (blanking)	1
206-072-348-105	BASE HOLDER ASSEMBLY	1

SPECIAL TOOLS:

None required.

WEIGHT AND BALANCE:

Not affected.

ELECTRICAL LOAD DATA:

Not affected.

REFERENCES:

BHT-206L-IPB Illustrated Parts Breakdown
BHT-206L1-MM Maintenance Manual
BHT-ELEC-SPM Electrical Standard Practice Manual
BHT-206L1-FM-1 Flight Manual

PUBLICATIONS AFFECTED:

BHT-206L-IPB Illustrated Parts Breakdown
BHT-206L1-MM Maintenance Manual
BHT-206L1-FM-1 Flight Manual

ACCOMPLISHMENT INSTRUCTIONS:

-NOTE-

Prior to accomplishing this Technical Bulletin, it is a prerequisite to have an airspeed indicator installed that is marked in Knots Indicated Airspeed (KIAS) or a dual marked indicator in Miles per Hour (MPH) and KIAS.

-NOTE-

The following steps are to be accomplished in conjunction with accomplishment of the instructions of the Service Instruction BHT-206-SI-2050 (engine upgrade).

1. Disconnect aircraft battery.
2. Refer to Figure 1. Remove four screws that retain the airspeed limitation placard to the interior trim. Retain screws for re-installation in later steps.
3. Remove connector 4A6J1 from the airspeed limitation placard. Discard removed airspeed limitations placard.
4. Gain access to terminal junction 8TB1 by removing instrument panel top cover and tilting instrument panel aft (Refer to applicable Maintenance Manual for procedure).

-NOTE-

As an alternate procedure to Step 5, the wires may be capped and stowed.

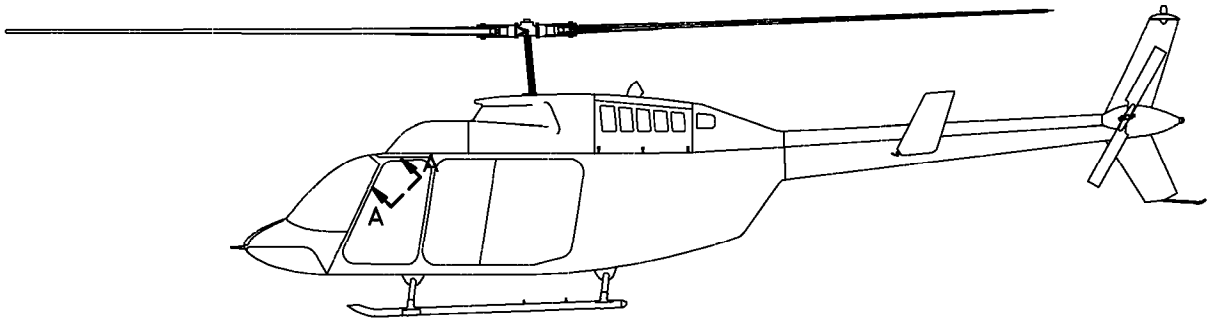
5. Remove and discard wire L157A22 from 8TB1 and ground wire L158A22N from local ground (Refer to applicable Maintenance Manual wiring diagrams).
6. Close instrument panel (Refer to applicable Maintenance Manual for procedure).

-NOTE-

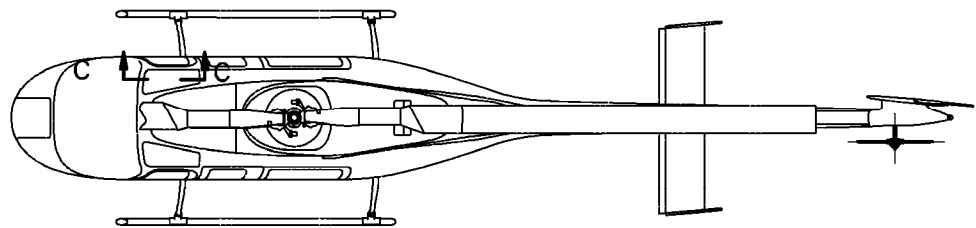
Textured side of plate is to be on the visible side when installed.

7. Install 206-704-734-111 blanking plate with the four screws removed in Step 2, in the position where the original airspeed limitations panel was installed.

8. Refer to Figure 1, view CC. Install new P/N 206-072-348-105 base holder assembly using the Velcro supplied. Ensure that the base holder assembly does not protrude below the lower surface of the crew door frame.
9. Reconnect aircraft battery.
10. Make an entry in the aircraft log books reflecting the procedures of this Technical Bulletin have been accomplished.



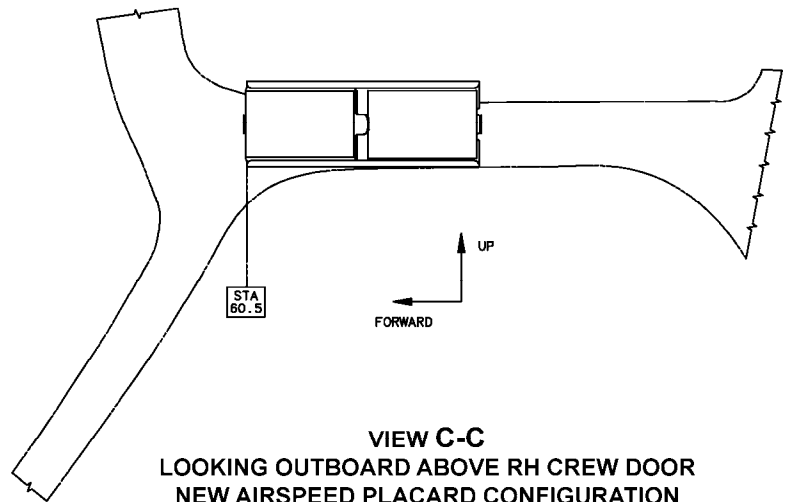
VIEW LOOKING INBOARD FROM LH SIDE



VIEW LOOKING DOWN ON AIRCRAFT

AIRSPEED LIMITATIONS INTERNAL LOADING														
HP	T000	0	2	4	6	8	10	12	14	16	18	20		
OAT ~ °C		VNE ~ IAS ~ KTS												
46	130	-	-	-	-	-	-	-	-	-	-	-	-	-
40	130	127	-	-	-	-	-	-	-	-	-	-	-	-
20	130	130	127	119	111	104	96	-	-	-	-	-	-	-
0	130	130	130	126	119	110	103	95	88	81	76	-	-	-
-20	130	130	130	128	118	110	103	95	88	80	-	-	-	-
-40	129	124	120	117	112	108	104	100	96	92	87	-	-	-
-50	118	114	110	106	102	98	95	91	88	84	82	-	-	-
		ABOVE 4050 LB												
		BELOW 4050 LB												
46	130	-	-	-	-	-	-	-	-	-	-	-	-	-
40	130	128	-	-	-	-	-	-	-	-	-	-	-	-
20	130	130	127	119	111	104	96	-	-	-	-	-	-	-
0	130	130	130	127	119	110	103	95	89	82	-	-	-	-
-20	130	130	130	127	119	110	103	95	88	80	-	-	-	-
-40	129	124	120	117	112	108	104	100	96	92	89	-	-	-
-50	118	114	110	106	102	98	95	91	88	84	82	-	-	-

VIEW A-A
VIEW LOOKING FORWARD



VIEW C-C
LOOKING OUTBOARD ABOVE RH CREW DOOR
NEW AIRSPEED PLACARD CONFIGURATION

TYPICAL 206L1
AIRSPEED LIMITATIONS PLACARD
PANEL MAY DIFFER DEPENDING ON
MODEL OF AIRCRAFT

07571_001

FIGURE 1 – 206L-1 TYPICAL and NEW AIRSPEED LIMITATION PLACARD CONFIGURATION