

**ALERT SERVICE BULLETIN**

REVISION NOTICE



A Textron Company

DATE Mar 03, 2009

**TO: All Owners/Operators of Bell 206L Helicopters**

**SUBJECT: REVISION "A" TO ALERT SERVICE BULLETIN ASB 206L-08-150:  
POWER TURBINE RPM (N2) STEADY STATE OPERATION  
AVOIDANCE, INTRODUCTION OF.**

Revision "A" to this bulletin introduces a new decal removing the "60 SEC MAX" wording.

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

# ALERT SERVICE BULLETIN



NO. 206L-08-150

DATE MAY 20, 2008

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DATE Mar 03, 2009

REV A

## MODEL AFFECTED:

206L1, 206L3, 206L4

## SUBJECT:

POWER TURBINE RPM (N2) STEADY STATE OPERATION AVOIDANCE, INTRODUCTION OF

## HELICOPTERS AFFECTED:

206L1 helicopter serial number 45494 with Tridair Helicopter FAA STC SR00036SE.

206L3 helicopter serial number 51368 with Tridair Helicopter FAA STC SR00036SE.

All 206L4 helicopters that have been modified with Tridair Helicopter FAA STC SR00036SE.

## COMPLIANCE:

### PART I

In accordance with Rolls-Royce Corporation Alert Commercial Engine Bulletin CEB A-72-4095 Revision 2 dated October 13, 2008.

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### PART II

Within 7 days after receipt of this bulletin.

## DESCRIPTION:

### PART I

As a result of a recent third stage turbine wheel investigation, Rolls-Royce Corporation has revised the Speed Limit Tables for all series II engines (250 C-20 series). The new tables have been revised to include the Speed Avoid Range between 75% and 88%. Refer to Rolls-Royce CEB A-72-4095 Revision 2; the speed avoid range is not applicable for engine operation at or below 85 shaft horsepower (equivalent to 20% torque).

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**PART II**

The accomplishment of part II of this bulletin includes the addition of a decal to the instrument panel to ensure crew awareness of the N2 avoidance range and a Flight Manual Revision.

**APPROVAL:**

The engineering design aspects of this bulletin are FAA approved.

**MANPOWER:**

**PART I**

Refer to Rolls-Royce Corporation Alert Commercial Engine Bulletin CEB A-72-4095 Revision 2 dated October 13, 2008.

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**PART II**

Approximately 0.5 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:**

Bell Helicopter warranty does not apply.

**MATERIAL:**

**Required Material:**

**PART I**

Refer to Rolls-Royce Corporation Alert Commercial Engine Bulletin CEB A-72-4095 Revision 2 dated October 13, 2008.

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**PART II**

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

<u>Part Number</u>	<u>Nomenclature</u>	<u>Quantity</u>
230-075-213-127	Decal (note 1)	1

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**Notes:**

1. The decal may be locally manufactured using lettering of white color (No. 17875) on black background color (No. 17038). Characters to be 10 point Spartan blackfont. Color per FED STD 595. The text for the decal is detailed in Figure 1 and should be in capital letters. It is permissible to use existing decal provided the "60 SEC MAX" wording is cut and removed.

**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>
3950 Scotchcal	Sealer (note 1)	AR	C-349

**Notes:**

1. The "C" REF. NO. above is a cross-reference found in the Standard Practice Manual (BHT-ALL-SPM).

**SPECIAL TOOLS:**

None required.

**WEIGHT AND BALANCE:**

Not affected.

**ELECTRICAL LOAD DATA:**

Not affected.

**REFERENCES:**

BHT-ALL-SPM – Standard Practices Manual  
Chapter 13 – Consumable Materials

Refer to Rolls-Royce Corporation Alert Commercial Engine Bulletin CEB A-72-4095  
Revision 2 dated October 13, 2008

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**PUBLICATIONS AFFECTED:**

Tridair Helicopters, THI 206L1-MM-1 Maintenance Manual

Tridair Helicopters, THI 206L3-MM-1 Maintenance Manual

BHT-206L4T- MM-1 Maintenance Manual  
Chapter 11 – Placards

BHT-206L4T- IPB Illustrated Parts Breakdown  
Chapter 11 – Placards

Tridair Helicopters, BELL 206L-1 RFMS-TH-1 Flight Manual Supplement

Tridair Helicopters, BELL 206L-3 RFMS-TH-1 Flight Manual Supplement

BHT-206L4T-FM-1 Flight Manual

**ACCOMPLISHMENT INSTRUCTIONS:**

**PART I**

Refer to Rolls-Royce Corporation Alert Commercial Engine Bulletin CEB A-72-4095  
Revision 2 dated October 13, 2008.

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**PART II**

1. Install decal 230-075-213-127 on the instrument panel as shown in Figure 1,  
below the NR/N2 triple tachometer. Sealer C-349 shall be applied over the  
installed decal.

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-NOTE-

The required Flight Manual Revision is being mailed concurrently with this bulletin (separate mailing).

2. Insert the applicable Flight Manual Revision into the Flight Manual:

- a. Insert Flight Manual Revision 2 dated 13 January, 2009 into the Tridair Helicopters, BELL 206L-1 RFMS-TH-1 Flight Manual Supplement.

Insert Flight Manual Supplement Revision 3 dated 13 January 13, 2009 into the Tridair Helicopters, Bell 206L-1 RFMS-TH-6 Flight Manual Supplement.

- b. Insert Flight Manual Revision 2 dated 13 January, 2009 into the Tridair Helicopters, BELL 206L-3 RFMS-TH-1 Flight Manual Supplement.

Insert Flight Manual Supplement Revision 2 date 13 January, 2009 into the Tridair Helicopters, Bell 206L3 RFMS-TH-6 Flight Manual Supplement.

- c. Insert Flight Manual Revision 7 dated 13 January 13, 2009 into BHT-206L4T-FM-1 Flight Manual.

3. Annotate the helicopter records indicating compliance with this bulletin.

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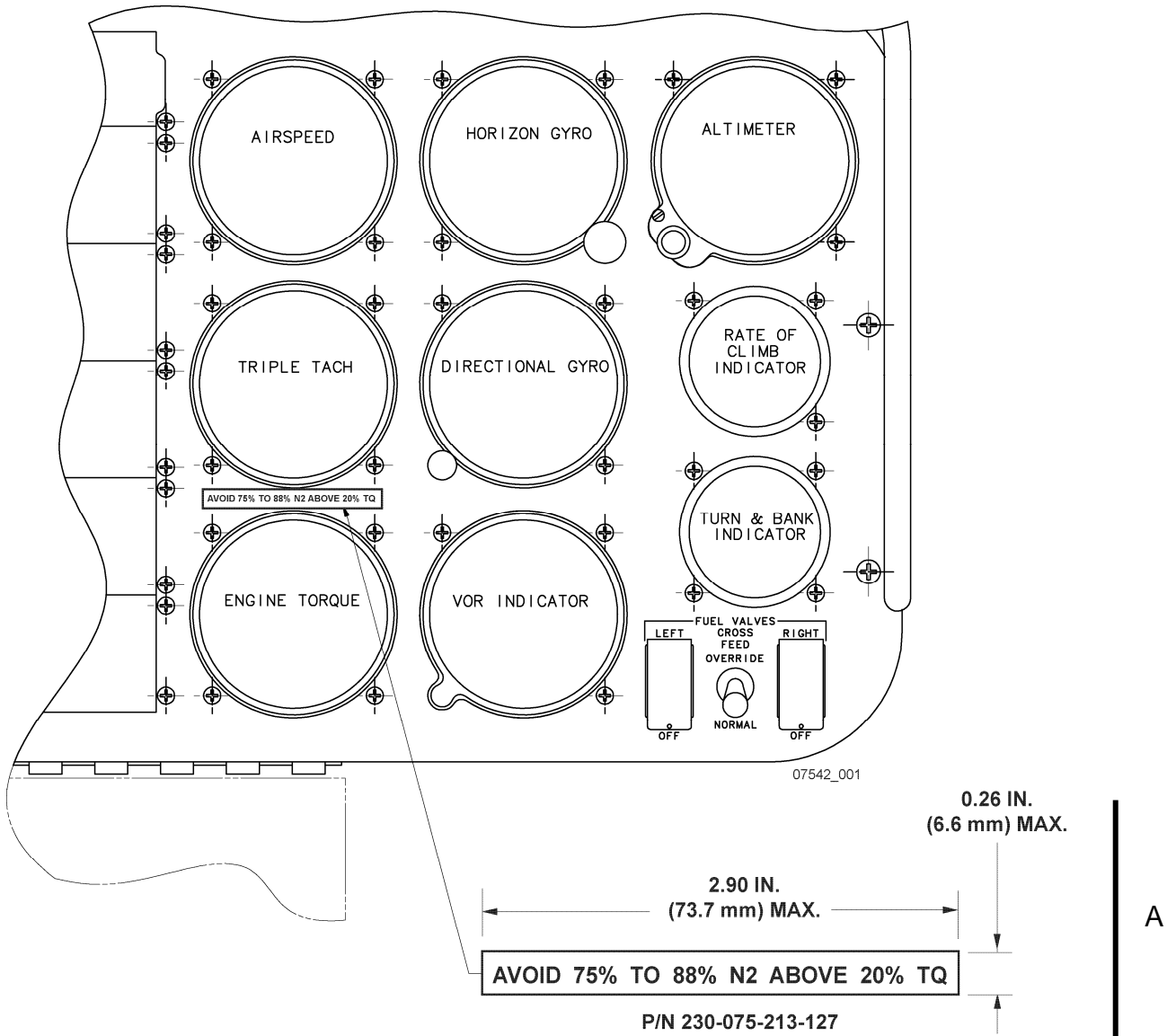


Figure 1 – Typical 206LT Instrument Panel Layout