

ALERT SERVICE BULLETIN
Bell Helicopter **TEXTRON**

A Subsidiary of Textron Inc.

NO. 230-06-34

DATE MAR 13, 2006

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DATE
REV

MODEL AFFECTED: 230

SUBJECT: REVISED ENGINE POWER ASSURANCE CHECK PROCEDURES AND REVISED RUN-IN TEST PROCEDURE FOR OVERHAULED TRANSMISSION, INTRODUCTION OF

HELICOPTERS AFFECTED: All model 230 helicopters

COMPLIANCE: Upon receipt of this bulletin

DESCRIPTION:

Since the release of ASB 230-05-33 Bell Helicopter has been advised that while carrying out engine power assurance checks, the power turbine (Np) RPM indication on the non-testing engine is within the steady state operation avoidance range.

This bulletin introduces a Flight Manual revision with new power assurance check procedures to avoid engine operation in the power turbine (Np) avoidance range. The actual power assurance charts remain unchanged.

The transmission run-in and test procedures following a main transmission overhaul are also revised to avoid operation in the power turbine (Np) RPM operation avoidance range. A revision to the BHT-230-CR&O is introduced by this bulletin.

APPROVAL:

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

MANPOWER:

No additional man-hours are required to complete this bulletin.

WARRANTY:

Warranty does not apply to this bulletin.

MATERIAL:

None required

SPECIAL TOOLS:

None required

WEIGHT AND BALANCE:

Not affected

ELECTRICAL LOAD DATA:

Not affected

REFERENCES:

BHT-230-FM Flight Manual

BHT-230-CR&O-2 Component Repair and Overhaul

PUBLICATIONS AFFECTED:

BHT-230-FM Flight Manual

BHT-230-CR&O-2 Component Repair and Overhaul

ACCOMPLISHMENT INSTRUCTIONS:

1. Insert the BHT-230-FM-1 Revision 6 Dated December 22, 2005 in the helicopter Flight Manual.

2. If the helicopter is equipped with the Particle Separator Kit P/N 230-706-501-ALL, insert the BHT-230-FMS-11 revision 3 Dated February 13, 2006 in the helicopter Flight Manual.
3. If the helicopter is equipped with the Snow Deflector Kit P/N 230-706-502-ALL, insert the BHT-230-FMS-20 reissue Dated February 13, 2006 in the helicopter Flight Manual.
4. Insert the BHT-230-CR&O Revision 4 Dated December 22, 2005 into the BHT-230-CR&O-2.
5. Annotate the helicopter records to reflect compliance with this bulletin.