

ALERT SERVICE BULLETIN

Bell Helicopter **TEXTRON**
A Subsidiary of Textron Inc.

NO. 206L-01-121

DATE 09-17-01

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DATE
REV

MODEL AFFECTED: 206L-1

SUBJECT: ROLLS ROYCE ENGINE, TURBINE ASSEMBLY – THIRD STAGE TURBINE WHEELS WITH LIMITED LIFE

HELICOPTERS AFFECTED: All 206L-1 helicopters with Rolls Royce 250-C28 engines configured with third stage turbine wheels P/N 6899383.

COMPLIANCE: In accordance with Rolls Royce ALERT Commercial Engine Bulletin CEB A-72-2195.

DESCRIPTION:

Rolls Royce has advised Bell Helicopter Textron that a number of third stage turbine wheels (P/N 6899383) were sold with a blueprint variance that affects their high cycle fatigue life.

Rolls Royce ALERT Commercial Engine Bulletin (CEB A-72-2195) gives a list of affected 3rd-stage turbine wheel serial numbers and the procedure to replace the 3rd-stage turbine wheels.

This bulletin is sent as a matter of record and will not be revised in the event of subsequent changes to the Rolls Royce ALERT Commercial Engine Bulletin (CEB A-72-2195).

APPROVAL:

Not required.

MANPOWER:

Refer to Rolls Royce ALERT Commercial Engine Bulletin CEB A-72-2195.

WARRANTY:

Refer to Rolls Royce ALERT Commercial Engine Bulletin CEB A-72-2195.

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MATERIAL:

Required Material:

Refer to Rolls Royce ALERT Commercial Engine Bulletin CEB A-72-2195.

SPECIAL TOOLS:

None required

WEIGHT AND BALANCE:

Not affected.

ELECTRICAL LOAD DATA:

Not affected.

REFERENCES:

Rolls Royce ALERT Commercial Engine Bulletin CEB A-72-2195.

PUBLICATIONS AFFECTED:

None affected.

ACCOMPLISHMENT INSTRUCTIONS:

-NOTE-

This Alert service Bulletin applies ONLY to 250-C28 engines with third stage turbine wheels P/N 6899383.

1. Comply with Rolls Royce ALERT Commercial Engine Bulletin CEB A-72-2195.

ALERT COMMERCIAL ENGINE BULLETIN



ENGINE, TURBINE ASSEMBLY – THIRD STAGE TURBINE WHEELS WITH LIMITED LIFE

1. PLANNING INFORMATION

A. Effectivity

(1) Engines

All Rolls-Royce Model 250–C28 Series engines are affected by this bulletin.

- (2) The turbine wheels that are affected are listed below. They may have been sold as a spare or in a new production engine.

6899383	HX91428R		6899383	HX91489R		6899383	HX91707R
6899383	HX91456R		6899383	HX91490R		6899383	HX91708R
6899383	HX91457R		6899383	HX91492R		6899383	HX91709R
6899383	HX91458R		6899383	HX91493R		6899383	HX91710R
6899383	HX91459R		6899383	HX91494R		6899383	HX91711R
6899383	HX91461R		6899383	HX91500R		6899383	HX91712R
6899383	HX91462R		6899383	HX91501R		6899383	HX91713R
6899383	HX91464R		6899383	HX91503R		6899383	HX91714R
6899383	HX914659		6899383	HX91504R		6899383	HX91715R
6899383	HX91465R		6899383	HX91506R		6899383	HX91721R
6899383	HX91466R		6899383	HX91507R		6899383	HX91722R
6899383	HX91467R		6899383	HX91508R		6899383	HX91726R
6899383	HX91468R		6899383	HX91510R		6899383	HX91733R
6899383	HX91469R		6899383	HX91511R		6899383	HX91735R
6899383	HX91471R		6899383	HX91512R		6899383	HX91736R
6899383	HX91472R		6899383	HX91513R		6899383	HX91738R
6899383	HX91473R		6899383	HX91519R		6899383	HX91742R
6899383	HX91474R		6899383	HX91520R		6899383	HX91744R
6899383	HX91475R		6899383	HX91522R		6899383	HX91748R
6899383	HX91477R		6899383	HX91523R		6899383	HX91749R
6899383	HX91478R		6899383	HX91524R		6899383	HX91750R
6899383	HX91480R		6899383	HX91525R		6899383	HX91754R
6899383	HX91482R		6899383	HX91526R		6899383	HX91764R
6899383	HX91483R		6899383	HX91527R		6899383	HX91765R
6899383	HX91485R		6899383	HX91528R		6899383	HX91766R

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6899383	HX91486R		6899383	HX91529R		6899383	HX91767R
6899383	HX91487R		6899383	HX91530R		6899383	HX91768R
6899383	HX91488R		6899383	HX91706R		6899383	HX91769R

(3) Spares – Affected

B. Reason

A number of third stage turbine wheels (6899383) were sold with a blueprint variance that affects their high cycle fatigue life.

C. Description

This commercial engine bulletin gives you a list of affected 3rd-stage turbine wheel serial numbers and the procedure to replace the 3rd-stage turbine wheels.

D. Approval

Technical aspects are FAA approved.

E. Compliance

Compliance Code 2: To be complied with as follows:

- (1) All engines with an affected wheel and less than 1500 hours or 3000 cycles on the wheel must have the wheel replaced before 1500 hours or 3000 cycles are exceeded (which ever occurs first).
- (2) All engines with an affected wheel and between 1500 hours and 3000 hours or 3000 cycles and 6000 cycles on the wheel must have the wheel replaced within the next 100 hours or 200 cycles (which ever occurs first).
- (3) All engines with an affected wheel and more than 3000 hours or 6000 cycles on the wheel must have the wheel replaced before further flight.
- (4) In all cases, affected wheels must be replaced no later than 31 Dec, 2002.

F. Interchangeability – Not affected

G. Material Availability

NEW P/N	NAME	QTY/ENG
6899383	Third Stage Turbine Wheel	1

H. Tooling – Not applicable

I. Weight and Balance – Not affected

J. Electrical Load Data – Not affected

K. References

- (1) 16W2 Operation and Maintenance Manual, Turboshaft Model 250–C28 (OMM).
- (2) 16W3 Overhaul Manual, Turboshaft Model 250–C28 (O/M).
- (3) 16W4 Illustrated Parts Catalog, Turboshaft Model 250–C28 (IPC).

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- L. Other Publications Affected – None
- M. Prerequisites – None

2. ACCOMPLISHMENT INSTRUCTIONS

- A. Replace the third stage turbine wheel.
 - (1) If the engine is suspected or confirmed to have an affected third stage turbine wheel installed in a Rolls-Royce Model 250 C28 engine, then the engine should be sent to an Authorized Maintenance Center (AMC) or an approved maintenance facility for replacement of the wheel (Ref. OMM, O/H, IPC).
 - (2) Special pricing will be provided for new wheels via Rolls-Royce Authorized Maintenance Centers.
- B. Record compliance with this commercial engine bulletin in the applicable section of the engine logbook, turbine assembly (pink pages), Part III, Modification Record as applicable with the following:

250-C28 Series

CEB A-72-2195

- C. If you have an affected wheel, please complete and FAX the attached form at the end of this bulletin to Model 250 Customer Support as soon as you receive this bulletin.
- D. Please contact Rolls-Royce using the numbers below for instructions regarding the return of the affected third stage turbine wheels. All returned parts must have a Field Parts Return Form and corresponding control number.

Phone: 317-230-2720
 FAX: 317-230-3381
 Toll Free: 1-888-255-4766

3. MATERIAL INFORMATION

- A. Configuration Chart

NEW P/N	QTY/ ENG	NAME	OLD P/N	QTY/ ENG	INSTRUCTIONS/ DISPOSITION
6899383	1	Wheel, Turbine, 3rd- Stage	6899383	1	1,2

INSTRUCTIONS/DISPOSITION NOTES

- 1. New item.
- 2. Return removed item.

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CEB-A-72-2195 Reporting Form

Instructions: If you have an affected wheel, please fill out the requested information listed below. Make a copy of this page to fax or fax this page to Model 250 Customer Support at 1-317-230-3381.

Operator: _____

-

Address: _____

-

-

-

Contact: _____ Ph No: _____

Fax No.: _____ E-mail _____

Turbine Wheel S/N: _____ Engine S/N: _____

Turbine Wheel TIS: _____ Cycles: _____

Date wheel installed: _____

ATT: MODEL 250 CUSTOMER SUPPORT

1-317-230-3381

Date Received _____

(For Rolls-Royce Model 250 CS office use)