



A Textron Company

OPERATION SAFETY NOTICE

407-24-26

206L-24-56

230-24-10

430-24-08

3 December 2024

TO: All owners and operators of Model 407, 206L series, 230 and 430 Helicopters

SUBJECT: Rolls-Royce M250 Engines - Alert Commercial Engine Bulletin (CEB) - 23058137 Thrust-Gas Prod Bearing Plate

The purpose of this notice is to achieve complete distribution of the attached Rolls-Royce Alert Commercial Engine Bulletins CEB-A-72-6090 (M250-C47 series), CEB-A-72-7010 (M250-C47E series), CEB-A-72-3309 (M250-C30 series) and CEB-A-72-5077 (M250-C40).

As specified within the applicable Alert CEB, 23058137 thrust plates have been found to have inadequate braze on the anti-rotation feature of the plate. This can lead to liberation of the retaining feature resulting in domestic debris within the engine, a loss of oil pressure, and a potential for power loss of the engine.

The applicable Alert CEB introduces a new thrust plate design.

For any questions regarding this letter, please contact:

Bell Product Support Engineering
Tel: 1-450-437-2862 / 1-800-363-8023 / productsupport@bellflight.com

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OSN 206L-24-56
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Approved for public release.

ALERT COMMERCIAL ENGINE BULLETIN



Rolls-Royce

23058137 THRUST-GAS PROD BEARING PLATE

1. PLANNING INFORMATION

A. Effectivity

(1) Engines

All Rolls-Royce M250®-C30 series, -C40B and -C47 series engines are potentially affected by this bulletin.

(2) Spares - affected

B. Reason

P/N 23058137 thrust plates have been found to have inadequate braze on the anti-rotation feature of the plate. This can lead to liberation of the retaining feature resulting in domestic debris within the engine, a loss of oil pressure, and a potential for power loss of the engine.

C. Description

This Commercial Engine Bulletin provides the requirements to replace the number 8 bearing thrust plate.

D. Approval

Technical aspects are FAA approved.

E. Compliance

Compliance Code 3. To be complied with when the engine and or turbine assembly is sent to an authorized repair and overhaul facility for any reason.

WARNING: IT IS THE OWNER/OPERATOR'S SOLE RESPONSIBILITY TO COMPLY WITH THE BULLETIN WITHIN THE SPECIFIED TIMEFRAME OR RISK A POTENTIAL FOR LOSS OF AIRCRAFT OR LOSS OF LIFE. ROLLS-ROYCE IS NOT RESPONSIBLE FOR AN OWNER/OPERATOR'S FAILURE TO COMPLY.

F. Interchangeability - Not applicable

G. Material Availability

| NEW P/N | NAME | QTY/ENG |
|--------------------------|--------------------------------|---------|
| M250-10982 M250-10988 | PLATE, THRUST-GAS PROD BEARING | 1 |

NOTE: Part number M250-10982 will be obsoleted and the primary available part number will become M250-10988.

December 16, 2022
Revision 1
October 23, 2024

| | |
|------------------|---------------|
| M250-C30 Series | CEB-A-72-3309 |
| M250-C40 | CEB-A-72-5077 |
| M250-C47 Series | CEB-A-72-6090 |
| M250-C47E Series | CEB-A-72-7010 |

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- H. Tooling - Not applicable
- I. Weight and Balance - Not affected
- J. Electrical Load Data - Not affected
- K. References

(1) Advance Engineering Memorandum (AEM), CW500051730791.

NOTE: The document above is referenced for the internal use of Rolls-Royce only.

- (2) 14W3 Overhaul Manual, Turboshaft Model M250-C30 Series (OH).
- (3) CSP22001 Overhaul Manual, Turboshaft Model M250-C40B, -C47, & -C30R/3 Series (OH).
- (4) CSP22011 Overhaul Manual, Turboshaft Model M250-C47E, -C47E/1, & -C47E/4.

- L. Other Publications Affected

None.

- M. Prerequisites

None.

2. ACCOMPLISHMENT INSTRUCTIONS

- A. Replace part.
- B. Removed parts are to be scrapped locally.

NOTE: Some -C30 GP supports modified per CEB 72-3199 to include an oil dampened sleeve welded into the GP support can have interference with welds for the sleeve with thrust plate p/n M250-10982 and will be required to use M250-10988 with a chamfer edge on the OD.

There is a fitment issue with the new M250-10982 thrust plates on -C30 engines that were modified to include an oil dampened bearing by welding a sleeve into the #8 bore per CEB 72-3199.

- C. Record compliance with this CEB in the appropriate Engine Logbook page.

| | |
|------------------|-------------|
| M250-C30 Series | CEB 72-3309 |
| M250-C40 | CEB 72-5077 |
| M250-C47 Series | CEB 72-6090 |
| M250-C47E Series | CEB 72-7010 |

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3. MATERIAL INFORMATION

A. Configuration Chart

| NEW P/N | QTY | NAME | OLD P/N | QTY | INSTRUCTIONS/ DISPOSITION |
|--------------------------|-----|-----------------------------------|----------|-----|------------------------------|
| M250-10982 M250-10988 | 1 | PLATE, THRUST-GAS PROD BEARING | 23058137 | 1 | 1 |

INSTRUCTIONS/DISPOSITION NOTES

1. New/exchange item.

CUSTOMER SUPPORT
ROLLS-ROYCE

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| | |
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