

PRATT & WHITNEY CANADA
SERVICE BULLETIN

P&WC S.B. No. 28400R2

BULLETIN INDEX LOCATOR
72-31-00

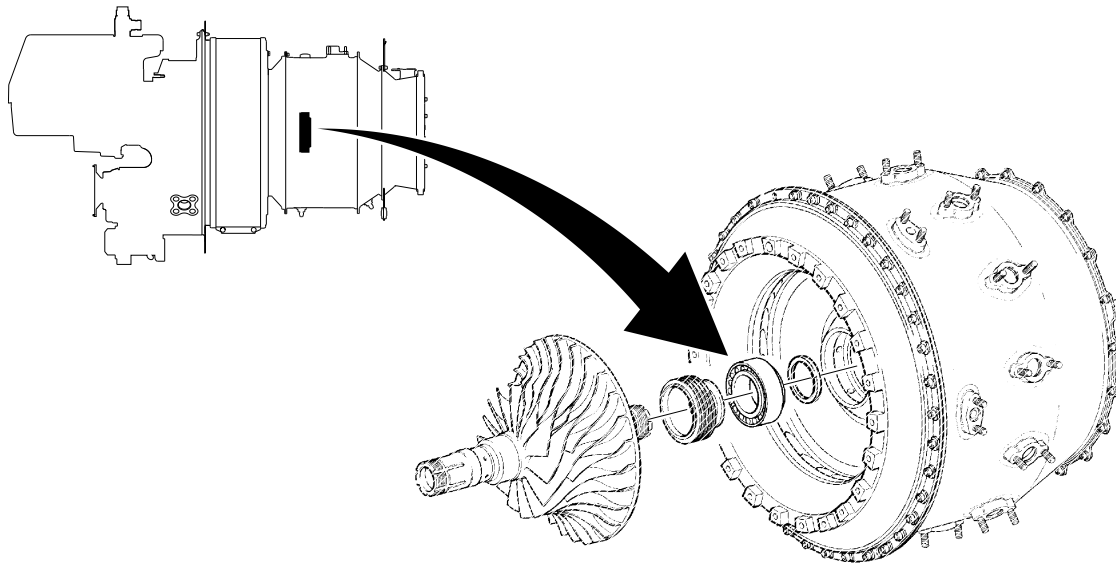
TURBOSHAFT ENGINE
NO. 4 ROLLER BEARING - REPLACEMENT OF

MODEL APPLICATION

PW206A, PW206B, PW206B2, PW206B3, PW206C, PW206E, PW207C, PW207D, PW207D1,
PW207D2, PW207E, PW207K

Compliance: CATEGORY 6

Summary: The No. 4 bearing can show premature wear. Introduce a new bearing to reduce the skewing damage and cage fracture, increase durability and decrease unscheduled removals.



Oct 30/2020
Revision No. 2: Mar 28/2021

PW200-72-28400
Cover Sheet

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Mar 28/2021

P&WC S.B. No. 28400R2

REVISION TRANSMITTAL SHEET
TURBOSHAFT ENGINE MODEL PW200

SUBJECT: Pratt & Whitney Canada Service Bulletin No. PW200-72-28400, Rev. No. 2 dated Mar 28/2021 (P&WC S.B. No. 28400R2) No. 4 ROLLER BEARING - REPLACEMENT OF

Replace your existing copy of this service bulletin with the attached revised bulletin. Destroy the superseded copy.

Please retain this Revision Transmittal Sheet with the revised bulletin.

SUMMARY:

This revision is issued to:

- correct the transmittal sheet to replace PW206C by PW207C

NOTE: The revision bar are kept from revision 1 for traceability.

- revise the effectivity for the PW207C engine model.

EFFECT OF REVISION ON PRIOR ACCOMPLISHMENT:

None.

REVISION HISTORY:

Original Issue: Oct 30/2020

Revision No. 1: Mar 09/2021

Revision No. 2: Mar 28/2021

PRATT & WHITNEY CANADA
SERVICE BULLETIN

P&WC S.B. No. 28400R2

TURBOSHAFT ENGINE
NO. 4 ROLLER BEARING - REPLACEMENT OF

1. Planning Information

A. Effectivity

PW206A (BS752) Engines and Serial Numbers 206001 to 206999.

PW206B (BS778) Engines and Serial Numbers 207001 to 207999.

PW206B2 (BS1028, BS1170) Engines which are before and include Serial No. PCE-BJ1449.

PW206B3 (BS1313) Engines which are before and include Serial No. PCE-BR0152.

PW206C (BS847, BS1164, BS1296, BS1297) Engines which are before and include Serial No. PCE-BC1010, and Serial Numbers 208001 to 208999.

PW206E (BS934) Engines which are before and include Serial No. PCE-BE0052.

PW207C (BS1068, BS1166, BS1299, BS1300) Engines which are before and include Serial No. PCE-BH1040 excluding PCE-BH0833.

PW207D (BS1167, BS993) Engines which are before and include Serial No. PCE-BF0215.

PW207D1 (BS1215) Engines which are before and include Serial No. PCE-BL0895.

PW207D2 (BS1247, BS1281) Engines which are before and include Serial No. PCE-BN0026.

PW207E (BS1035, BS1168) Engines which are before and include Serial No. PCE-BG0189.

PW207K (BS1031, BS1169, BS1301, BS1302) Engines which are before and include Serial No. PCE-BK0353.

B. Concurrent Requirements

None.

C. Reason

(1) Problem

The No. 4 bearing can show premature wear.

(2) Cause

The bearing design may not be optimal.

(3) Solution

Introduce a new bearing to reduce the skewing damage and cage fracture, increase durability and decrease unscheduled removals.

D. Description

Replace the No. 4 roller bearing with a new one.

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Oct 30/2020

Revision No. 2: Mar 28/2021

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PW200-72-28400

Page 1 of 6

PRATT & WHITNEY CANADA
SERVICE BULLETIN

P&WC S.B. No. 28400R2

TURBOSHAFT ENGINE
NO. 4 ROLLER BEARING - REPLACEMENT OF

1. Planning Information (Cont'd)

E. Compliance

CATEGORY 6 - P&WC recommends to do this service bulletin when the subassembly (i.e. module, accessories, components, or build groups) is disassembled and access is available to the necessary part. Do all spare subassemblies.

F. Approval

D.O.T./D.A.A. approved.

G. Manpower

No more man-hours are necessary to include this service bulletin at overhaul.

H. Weight and Balance

None.

I. Electrical Load Data

Not applicable.

J. Software Accomplishment Summary

Not applicable.

K. References

Illustrated Parts Catalog P/N [3038326](#) (PW206A/206E)

Illustrated Parts Catalog P/N [3049725](#) (PW207E)

Illustrated Parts Catalog P/N [3039734](#) (PW206B)

Illustrated Parts Catalog P/N [3054928](#) (PW206B2/206B3)

Illustrated Parts Catalog P/N [3043324](#) (PW206C)

Illustrated Parts Catalog P/N [3054927](#) (PW207C)

Illustrated Parts Catalog P/N [3049724](#) (PW207D)

Illustrated Parts Catalog P/N [3071604](#) (PW207D1/207D2)

PRATT & WHITNEY CANADA
SERVICE BULLETIN

P&WC S.B. No. 28400R2

TURBOSHAFT ENGINE
NO. 4 ROLLER BEARING - REPLACEMENT OF

1. Planning Information (Cont'd)

- Illustrated Parts Catalog P/N [3053374](#) (PW207K)
- Overhaul Manual P/N [3038325](#) (PW206A/206E/207E)
- Overhaul Manual P/N [3039733](#) (PW206B/206B2/206B3)
- Overhaul Manual P/N [3043323](#) (PW206C/207C)
- Overhaul Manual P/N [3043613](#) (PW207D)
- Overhaul Manual P/N [3071603](#) (PW207D1/207D2)
- Overhaul Manual P/N [3053373](#) (PW207K)

L. Publications Affected

- Illustrated Parts Catalog P/N [3038326](#) (PW206A/206E)
- Illustrated Parts Catalog P/N [3049725](#) (PW207E)
- Illustrated Parts Catalog P/N [3039734](#) (PW206B)
- Illustrated Parts Catalog P/N [3054928](#) (PW206B2/206B3)
- Illustrated Parts Catalog P/N [3043324](#) (PW206C)
- Illustrated Parts Catalog P/N [3054927](#) (PW207C)
- Illustrated Parts Catalog P/N [3049724](#) (PW207D)
- Illustrated Parts Catalog P/N [3071604](#) (PW207D1/207D2)
- Illustrated Parts Catalog P/N [3053374](#) (PW207K)
- Overhaul Manual P/N [3038325](#) (PW206A/206E/207E)
- Overhaul Manual P/N [3039733](#) (PW206B/206B2/206B3)
- Overhaul Manual P/N [3043323](#) (PW206C/207C)
- Overhaul Manual P/N [3043613](#) (PW207D)
- Overhaul Manual P/N [3071603](#) (PW207D1/207D2)
- Overhaul Manual P/N [3053373](#) (PW207K)

PRATT & WHITNEY CANADA

SERVICE BULLETIN

P&WC S.B. No. 28400R2

TURBOSHAFT ENGINE NO. 4 ROLLER BEARING - REPLACEMENT OF

1. Planning Information (Cont'd)

M. Interchangeability and Intermixability of Parts

Interchangeability - Refer to Para. 2.C.

Intermixability - Not changed.

2. Material Information

A. Industry Support Information

Not applicable.

B. Material - Price and Availability

You can get the procurable parts listed in Para. 2.C. from any Pratt & Whitney Canada Parts Distribution Center.

The estimated total cost of new parts needed to replace old parts is \$Quote (US, 2020).

The new parts are available.

C. Material Necessary for Each Engine

The quantity of materials listed in this section is on a per engine basis.

<u>New P/N</u>	<u>Keyword</u>	<u>Old P/N</u>	<u>Qty</u>	<u>Est. Unit List Price (\$US, 2020)</u>	<u>Instructions Dispositions</u>
3134268	Bearing, Roller, Cylindrical	3049107-01	1	Quote	(A)(B)

(A) TWO WAY INTERCHANGEABLE (ATA200 Explanation Code 02): The old or the new parts can replace the old or the new part.

(B) Discard the old part if it is unserviceable.

D. Reidentified Parts

None.

E. Tooling - Price and Availability

Not Applicable.

3. Accomplishment Instructions

A. Remove the parts in the Old P/N list in Para. 2.C., Material Information, in accordance with the overhaul manual instructions as follows:

Ref. OHM 72-31-00 COMPRESSOR SECTION - DISASSEMBLY.

PRATT & WHITNEY CANADA
SERVICE BULLETIN

P&WC S.B. No. 28400R2

TURBOSHAFT ENGINE
NO. 4 ROLLER BEARING - REPLACEMENT OF

3. Accomplishment Instructions (Cont'd)

B. Install the parts in the New P/N list in Para. 2.C., Material Information, in accordance with the overhaul manual instructions as follows:

Ref. OHM 72-31-00 COMPRESSOR SECTION - SUBASSEMBLY.

C. Write the accomplishment of P&WC No. SB28400 in the engine module log book.

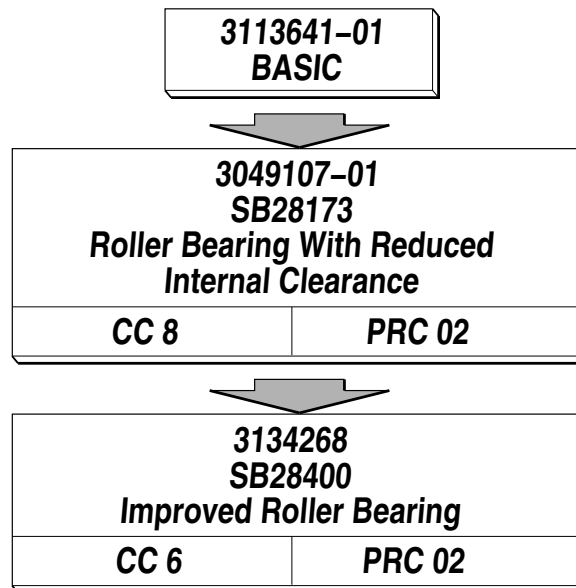
4. Appendix

Refer to Figure 1 for parts progression.

PRATT & WHITNEY CANADA
SERVICE BULLETIN

P&WC S.B. No. 28400R2

TURBOSHAFT ENGINE
NO. 4 ROLLER BEARING - REPLACEMENT OF



ICN-00198-G000040348-001-01

For Engines PW206A, PW206B, PW206C, PW206E
No. 4 Roller Bearing - Parts Progression
Figure 1

Oct 30/2020
Revision No. 2: Mar 28/2021

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PW200-72-28400
Page 6 of 6