

PRATT & WHITNEY CANADA
SERVICE BULLETIN

P&WC S.B. No. 41041R1

BULLETIN INDEX LOCATOR
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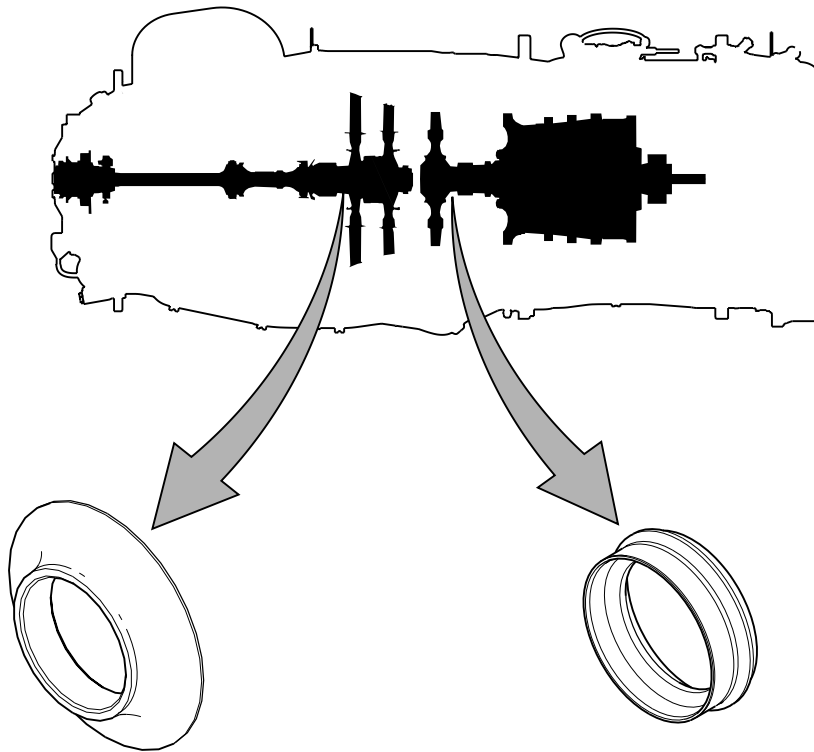
TURBOSHAFT ENGINE
ROTOR AIR SEAL AND TURBINE SPACER - REPLACEMENT OF

MODEL APPLICATION

PT6C-67C

■ Compliance: CATEGORY 10

Summary: It is difficult to balance the power rotor and compressor rotor assemblies due to dimensional tolerances applied to the compressor rotor air seal and turbine spacer. Replace the compressor rotor air seal and turbine spacer with new ones that have smaller tolerances.



Oct 29/2008
Revision No. 1: Mar 24/2009

PT6C-72-41041
Cover Sheet

24-Hour Global Service

CFIRST CENTRE

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24 March 2009

P&WC S.B. No. 41041R1

REVISION TRANSMITTAL SHEET
TURBOSHAFT ENGINE MODEL PT6C

SUBJECT: Pratt & Whitney Canada Service Bulletin No. PT6C-72-41041, Rev. No. 1, dated Mar 24/2009 (P&WC S.B. No. 41041R1) ROTOR AIR SEAL AND TURBINE SPACER - 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 Destroy the superseded copy.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 service bulletin is revised to transfer the intent to Service Bulletin 41040. The information provided is for information purpose only.

EFFECT OF REVISION ON PRIOR ACCOMPLISHMENT:

None.

NOTE: A black bar in the left margin indicates a change in that line of text or figure.

REVISION HISTORY:

Original Issue: Oct 29/2008
Revision No. 1: Mar 24/2009

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TURBOSHAFT ENGINE
ROTOR AIR SEAL AND TURBINE SPACER - REPLACEMENT OF

1. Planning Information

A. Effectivity

PT6C-67C Engines which are before and include Serial No. PCE-KB0456.

NOTE: The above effectivity list does not identify engines that have been converted from one engine model to another via an engine conversion service bulletin. To clarify the effectivity of converted engines, refer to the original engine effectivity above. For the parts embodied during the engine conversion, refer to conversion service bulletin.

B. Concurrent Requirements

None.

C. Reason

(1) Problem

It is difficult to balance the power rotor and compressor rotor assemblies.

(2) Cause

Dimensional tolerances applied to the compressor rotor air seal and turbine spacer.

(3) Solution

Replace the compressor rotor air seal and turbine spacer with new ones that have smaller tolerances for both flatness and parallelism.

D. Description

Replace the compressor rotor air seal and turbine spacer.

E. Compliance

CATEGORY 10 - This Service Bulletin is provided for information only.

F. Approval

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

G. Weight and Balance

None.

H. Electrical Load Data

Not changed.

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TURBOSHAFT ENGINE ROTOR AIR SEAL AND TURBINE SPACER - REPLACEMENT OF

1. Planning Information (Cont'd)

I. Software Accomplishment Summary

Not applicable.

J. References

Illustrated Parts Catalog P/N 3045334 (PT6C-67C)
Overhaul Manual P/N 3045333 (PT6C-67C)

K. Publications Affected

Illustrated Parts Catalog P/N 3045334 (PT6C-67C)

L. Interchangeability and Intermixability of Parts

Not applicable.

2. Material Information

A. Industry Support Information

Not applicable.

B. Material - Cost and Availability

Not applicable.

C. Manpower

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

D. 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, 2008)</u>	<u>Instructions Disposition</u>
3072596CL	Spacer, Turbine Shaft	3070104CL	1		(A)
3072596CL21	. Spacer, 0.430 - 0.440 in.	3070104CL21	AR		
3072596CL23	. Spacer, 0.440 - 0.450 in.	3070104CL23	AR		
3072596CL25	. Spacer, 0.450 - 0.460 in.	3070104CL25	AR		

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<u>New P/N</u>	<u>Keyword</u>	<u>Old P/N</u>	<u>Qty</u>	<u>Est. Unit List Price (\$US, 2008)</u>	<u>Instructions Disposition</u>
3072596CL27	. Spacer, 0.460 - 0.470 in.	3070104CL27	AR		
3072596CL29	. Spacer, 0.470 - 0.480 in.	3070104CL29	AR		
3072596CL31	. Spacer, 0.480 - 0.490 in.	3070104CL31	AR		
3072596CL33	. Spacer, 0.490 - 0.500 in.	3070104CL33	AR		
3072596CL35	. Spacer, 0.500 - 0.510 in.	3070104CL35	AR		
3072596CL37	. Spacer, 0.510 - 0.520 in.	3070104CL37	AR		
3071616CL	Runner, Carbon Seal, No. 2 Bearing	3053409CL	1		(A)
3071616CL01	. Runner, 0.033 - 0.035 in.	3053409CL01	AR		
3071616CL02	. Runner, 0.042 - 0.044 in.	3053409CL02	AR		
3071616CL03	. Runner, 0.051 - 0.053 in.	3053409CL03	AR		
3071616CL04	. Runner, 0.060 - 0.062 in.	3053409CL04	AR		
3071616CL05	. Runner, 0.069 - 0.071 in.	3053409CL05	AR		
3071616CL06	. Runner, 0.078 - 0.080 in.	3053409CL06	AR		
3071616CL07	. Runner, 0.087 - 0.089 in.	3053409CL07	AR		
3071616CL08	. Runner, 0.096 - 0.098 in.	3053409CL08	AR		
3071616CL09	. Runner, 0.105 - 0.107 in.	3053409CL09	AR		
3071616CL10	. Runner, 0.114 - 0.116 in.	3053409CL10	AR		
3071616CL11	. Runner, 0.123 - 0.125 in.	3053409CL11	AR		
3071616CL12	. Runner, 0.132 - 0.134 in.	3053409CL12	AR		
3071616CL13	. Runner, 0.141 - 0.143 in.	3053409CL13	AR		
3071616CL14	. Runner, 0.150 - 0.152 in.	3053409CL14	AR		

(A) Refer to SB 41040.

E. Reidentified Parts

None.

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TURBOSHAFT ENGINE
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F. Tooling - Price and Availability

Not applicable.

3. Accomplishment Instructions

A. The intent of this SB has been transferred to P&WC SB 41040.

4. Appendix

Not applicable.