

PRATT & WHITNEY CANADA
SERVICE BULLETIN

P&WC S.B. No. 41121R1

BULLETIN INDEX LOCATOR
72-20-00 72-60-00

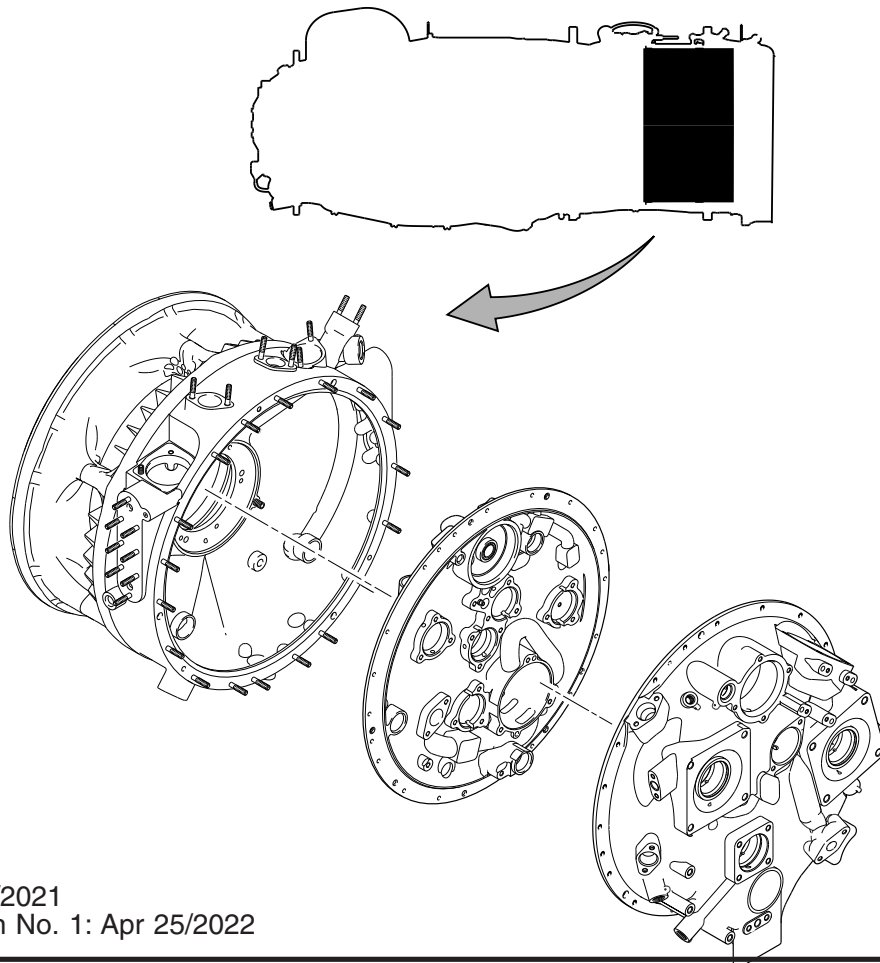
TURBOSHAFT ENGINE
HOUSINGS FOR ACCESSORY GEARBOX AND INLET CASE - IDENTIFICATION OF

MODEL APPLICATION

PT6C-67C, PT6C-67C1, PT6C-67D

Compliance: CATEGORY 5

Summary: The Accessory Gearbox (AGB) housing, AGB diaphragm and inlet case may expand over time leading to potential misalignment. To maintain alignment of housings in service, mark the AGB housing and diaphragm and the inlet case with an identification number to match them as a set.



May 04/2021
Revision No. 1: Apr 25/2022

PT6C-72-41121
Cover Sheet

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Apr 25/2022

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REVISION TRANSMITTAL SHEET
TURBOSHAFT ENGINE MODEL PT6C

SUBJECT: Pratt & Whitney Canada Service Bulletin No. PT6C-72-41121, Rev. No. 1 dated Apr 25/2022 (P&WC S.B. No. 41121R1) HOUSINGS FOR ACCESSORY GEARBOX AND INLET CASE - IDENTIFICATION 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 Destroy the superseded copy.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:

- add the PT6C-67D engine model.

EFFECT OF REVISION ON PRIOR ACCOMPLISHMENT:

None.

REVISION HISTORY:

Original Issue: May 04/2021

Revision No. 1: Apr 25/2022

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TURBOSHAFT ENGINE
HOUSINGS FOR ACCESSORY GEARBOX AND INLET CASE - IDENTIFICATION OF

1. Planning Information

A. Effectivity

PT6C-67C Engines
PT6C-67C1 Engines
PT6C-67D Engines

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

AGB housing, AGB diaphragm and inlet case are subject to thermal expansion/growth over time due to the material properties of the aluminum casting.

(2) Cause

Material expansion.

(3) Solution

Mark AGB housing, AGB diaphragm and inlet case with an identification number to match them as a set.

D. Description

Vibropeen AGB housing, AGB diaphragm and inlet case with an identification number.

E. Compliance

CATEGORY 5 - P&WC recommends to do this service bulletin when the engine is disassembled and access is available to the necessary subassembly (i.e. module, accessories, components, or build groups). Do all spare subassemblies.

F. Approval

D.A.A. Approved.

P&WC No. EC-0016965, EC-0065608

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TURBOSHAFT ENGINE
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1. Planning Information (Cont'd)

G. Manpower

An estimate of 0.5 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 [3045334](#) (PT6C-67C)

Overhaul Manual P/N [3045333](#) (PT6C-67C)

Illustrated Parts Catalog P/N [3056644](#) (PT6C-67D)

Overhaul Manual P/N [3056643](#) (PT6C-67D)

Cleaning Inspection Repair Manual (CIR) P/N [3075447](#)

L. Publications Affected

Not applicable.

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

Not applicable.

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2. Material Information (Cont'd)

C. Material Necessary for Each Engine

Not applicable.

D. Reidentified Parts

None.

E. Tooling - Price and Availability

Not Applicable

3. Accomplishment Instructions

A. At overhaul or whenever the AGB is removed from the engine and disassembled.

Ref. OHM 72-00-00 ENGINE - DISASSEMBLY-3: MODULES AND MAJOR SUBASSEMBLIES.

Ref. OHM 72-60-00 ACCESSORY GEARBOX - DISASSEMBLY.

WARNING: USE EYE PROTECTION WHEN YOU WRITE WITH THE VIBRATION PEENING PROCEDURE.

B. Use the vibration peening procedure, 0.003 to 0.006 in. (0.08-0.15 mm) deep, to identify the AGB housing, the AGB diaphragm and the inlet case as follows:

- (1) Vibropeen AGB housing in Area A with prefix "MX" followed by the engine serial number (Ref. Fig. 1).

NOTE: The matched set should stay together in the event of future replacement on a different engine.

- (2) Vibropeen AGB diaphragm in Area B with prefix "MX" followed by the engine serial number (Ref. Fig. 2).

- (3) Vibropeen inlet case in Area C with prefix "MX" followed by the engine serial number (Ref. Fig. 3).

C. Restore protective coating per CIR instructions as follow:

- (1) Apply local protective coating on AGB housing (Ref. CIR Task 72-21-50-380-801).
- (2) Apply local protective coating on AGB diaphragm (Ref. CIR Task 72-21-50-380-801).
- (3) Apply local protective coating on inlet case (Ref. CIR Task 72-21-50-380-801).

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3. Accomplishment Instructions (Cont'd)

D. Write the accomplishment of P&WC S.B. No. 41121 in the applicable engine module log book.

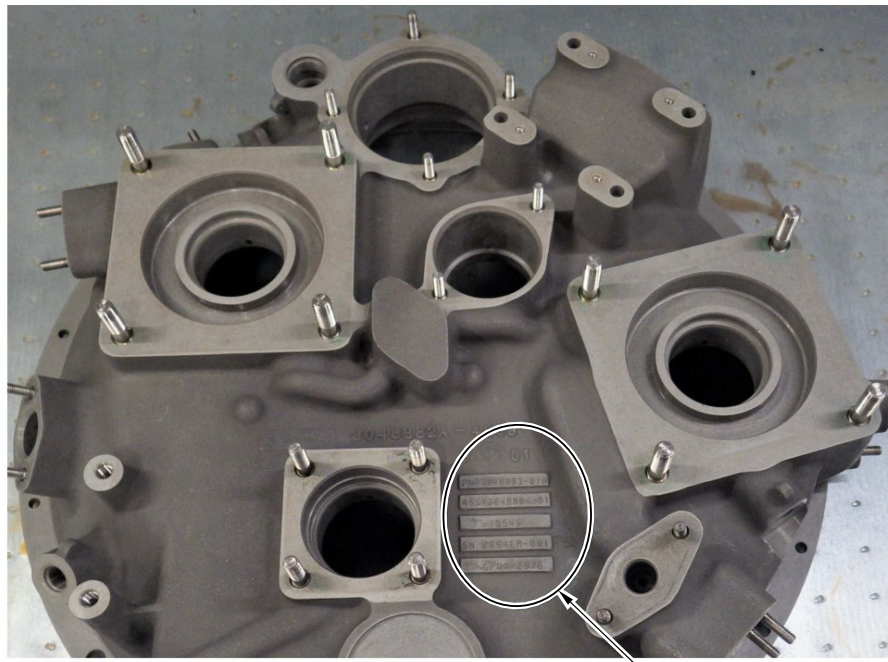
4. Appendix

Not applicable.

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TURBOSHAFT ENGINE
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AREA A

ICN-00198-G000044551-001-01

AGB Housing Marking Location
Figure 1

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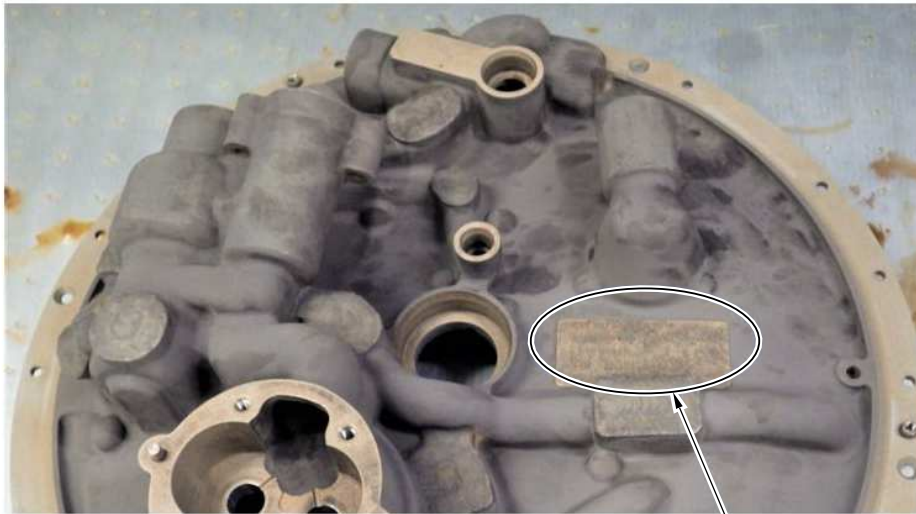
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TURBOSHAFT ENGINE
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AREA B

ICN-00198-G000044552-001-01

AGB Diaphragm Marking Location
Figure 2

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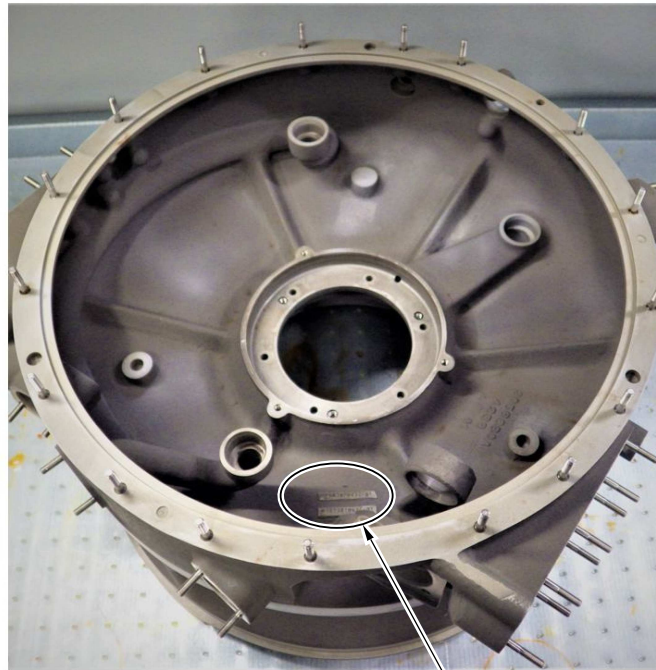
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AREA C

ICN-00198-G000044553-001-01

Inlet Case Marking Location
Figure 3

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