

PRATT & WHITNEY CANADA  
**SERVICE BULLETIN**

P&WC S.B. No. 28408

**BULLETIN INDEX LOCATOR**  
**72-11-00**

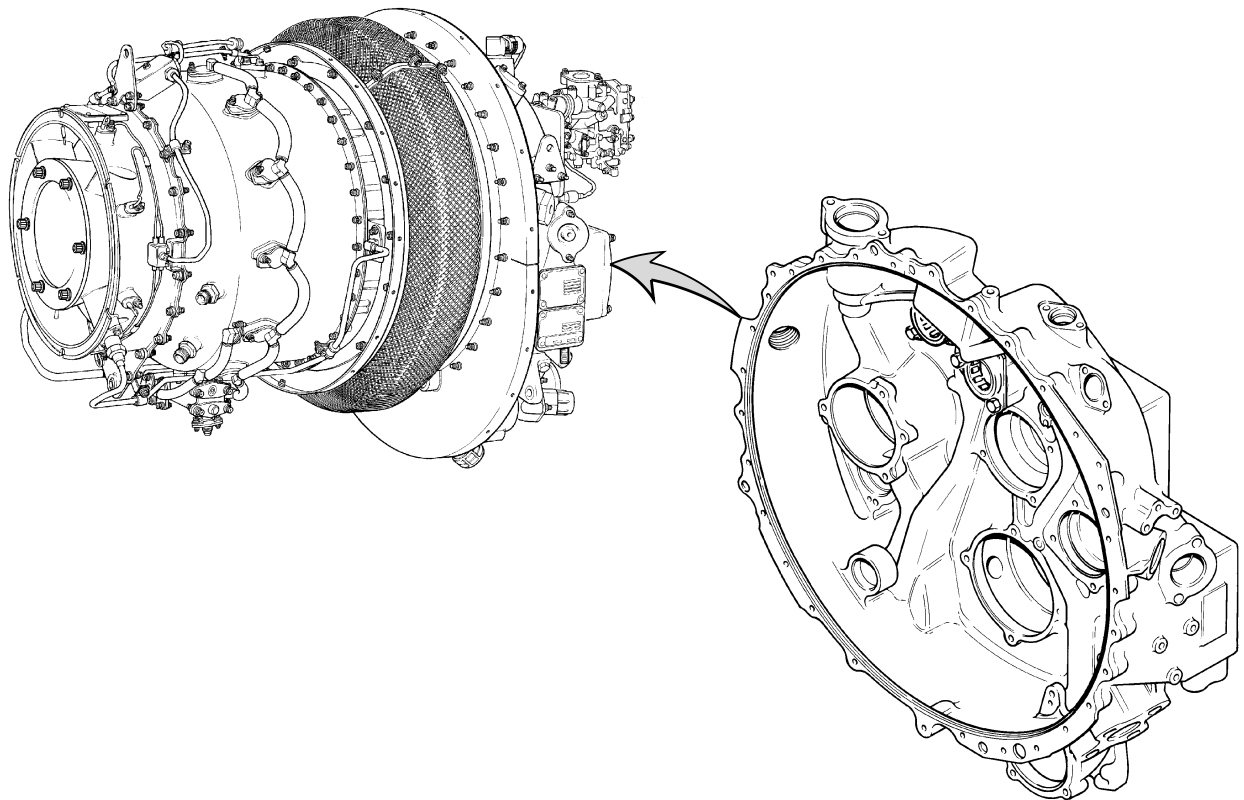
TURBOSHAFT ENGINE  
RGB FRONT HOUSING ASSEMBLY - MODIFICATION OF

MODEL APPLICATION

PW206C

Compliance: CATEGORY 8

Summary: The front housing assembly can be modified to a PW207D1/PW207D2 engine configuration.



Jun 13/2023

**PW200-72-28408**  
Cover Sheet

24-Hour Global Service

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1. Planning Information

A. Effectivity

PW206C (BS847, BS1164, BS1296, BS1297) Engines (POST SB28130).

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

P&WC recommends to do SB28362 prior to or in conjunction with this service bulletin.

C. Reason

The RGB front housing assembly can be modified to PW207D1/PW207D2 configuration with the removal of shoulder pins.

D. Description

This service bulletin gives the necessary instruction to do the modification and re-identification of the RGB housing assembly.

E. Compliance

CATEGORY 8 - This service bulletin is optional and can be done at the discretion of the operator.

F. Approval

The technical content of this document is approved under the authority of the Transport Canada Civil Aviation (TCCA) Design Approval Organization No: DAO #93-Q-01.

G. Manpower

Once you have access to the part, an estimate of two man-hours is required to include this service bulletin at overhaul.

H. Weight and Balance

None.

I. Electrical Load Data

Not applicable.

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1. Planning Information (Cont'd)

J. Software Accomplishment Summary

Not applicable.

K. References

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

Overhaul Manual P/N [3043323](#) (PW206C)

P&WC SB28130

P&WC SB28362

Cleaning Inspection Repair Manual (CIR) P/N [3040877](#)

PWA Overhaul Standard Practices Manual P/N [585005](#)

L. Publications Affected

None.

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, 2023).

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.

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## TURBOSHAFT ENGINE RGB FRONT HOUSING ASSEMBLY - MODIFICATION OF

### 2. Material Information (Cont'd)

<u>New P/N</u>	<u>Keyword</u>	<u>Old P/N</u>	<u>Qty</u>	<u>Est. Unit List Price (\$US, 2023)</u>	<u>Instructions Dispositions</u>
<a href="#">3071975-01</a>	Housing Assembly, Reduction Gearbox, Front	3044637-01	1	Quote	(A)
	.Pin, Shoulder, Headless, 0.250 x 0.357 x 0.622	3028055	2		(B)

(A) To get the new part it is necessary to make a modification to the old part.

(B) Discard.

#### D. Reidentified Parts

<u>OLD P/N</u>	<u>NEW P/N</u>
3044637-01	3071975-01

#### 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 72-11-00, REDUCTION GEARBOX - DISASSEMBLY.
- B. Review the history of original front and rear housing installed on the PW206C engine model.
- C. Make sure the RGB front housing and rear housing are matched set as per SB28362.
- D. Make sure the RGB front and rear housing assembly was overhauled in accordance with P&WC CIR manual (P/N 3040877).
- E. Remove the two shoulder pins P/N 3028055 from the RGB front housing assembly (Ref. Fig. 1).

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

- F. Use the vibration peening procedure, 0.003 to 0.006 in. (0.08-0.15 mm) deep, to identify the front and rear RGB housing assembly matched set as follows (Ref. Fig. 2):

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3. Accomplishment Instructions (Cont'd)

- (1) Put a line across the old P/N 3044637-01 on the RGB front housing assembly. Use the vibration peening procedure, 0.003 to 0.006 in. (0.08-0.15 mm) deep, and write the new P/N 3071975-01 in the same area.
  - (2) For front and rear housing assemblies, use vibropeen and put a line across the existing match set identity number with prefix "MX" followed by the six digit PW206C engine serial number in Areas A and B.
  - (3) Vibropeen front housing with new identity number in Area A with prefix "MX" followed by the six digits PW207D1 or PW207D2 engine serial number.
  - (4) Vibropeen rear housing with new identity number in Area B with prefix "MX" followed by the six digits PW207D1 or PW207D2 engine serial number.
  - (5) Touch-up the reworked areas as requested per SPOP 148 (Ref. SPM, Chapter 70-41-03).
- G. 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 72-11-00, REDUCTION GEARBOX - ASSEMBLY.
- H. Write the accomplishment of P&WC SB28408 in the engine module log book.

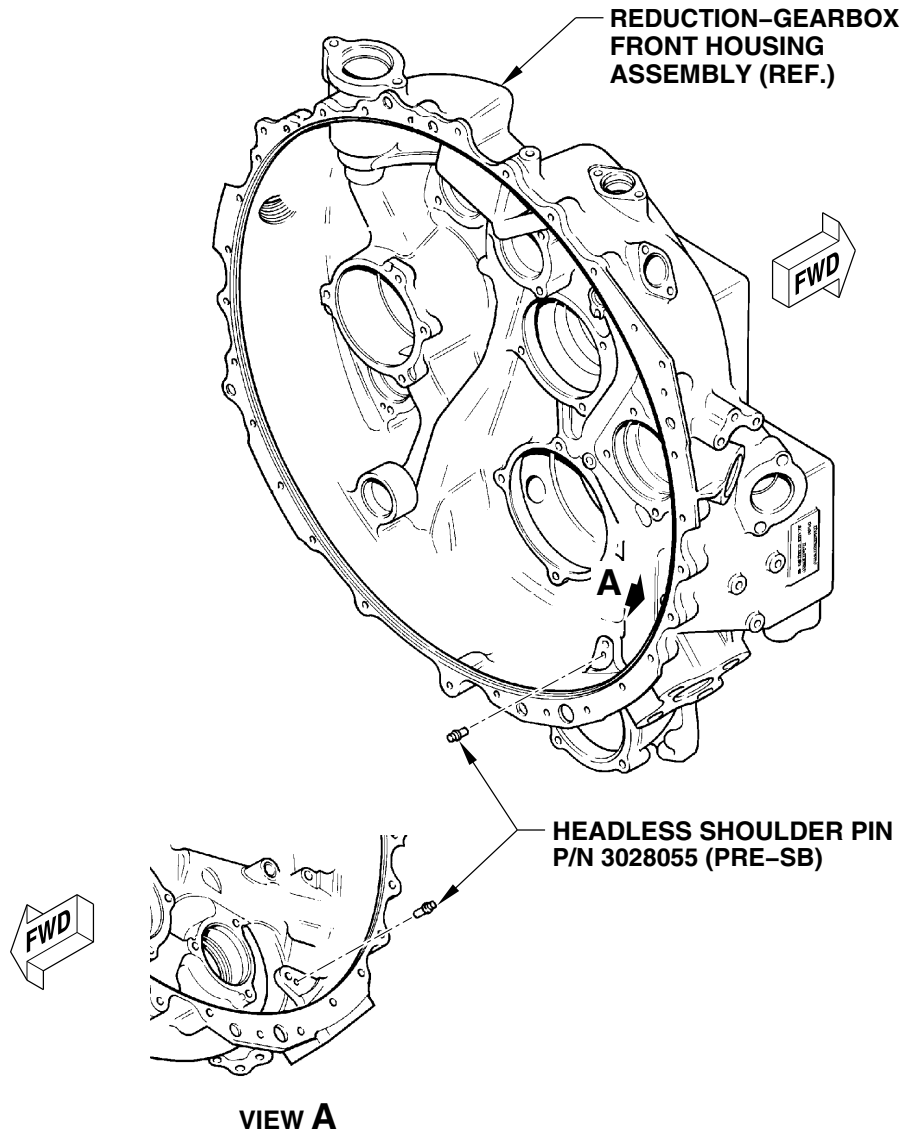
4. Appendix

Not applicable.

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ICN-00198-G000130037-001-01

Reduction-Gearbox Front Housing Shoulder Pin - Removal of  
Figure 1

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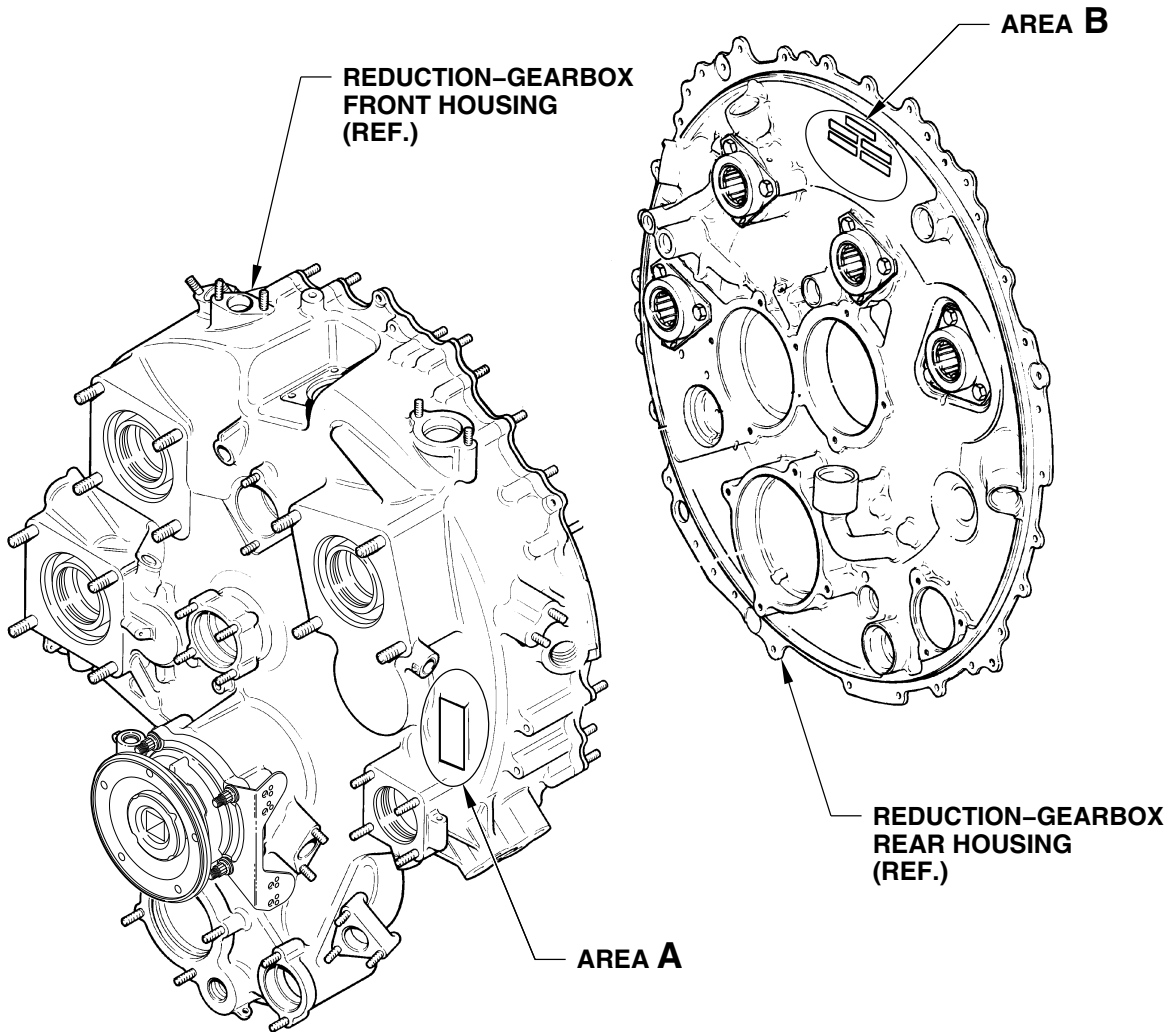
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ICN-00198-G000130036-001-01

Housing Vibration Peening - Rework of  
Figure 2

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