

PRATT & WHITNEY CANADA  
**SERVICE BULLETIN**

P&WC S.B. No. 13526

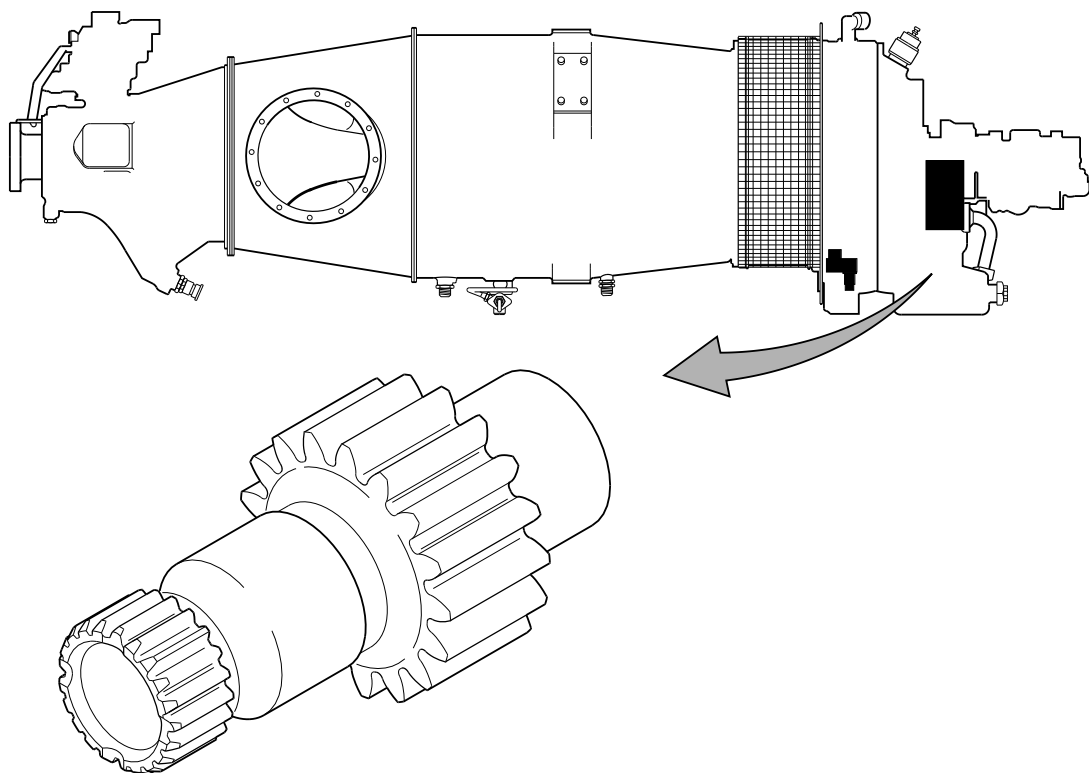
**BULLETIN INDEX LOCATOR**  
**72-60-00**

TURBOPROP ENGINE  
ACCESSORY GEARBOX GEARSHAFT DRIVE - REPLACEMENT/MODIFICATION OF  
MODEL APPLICATION

PT6A-52, PT6A-60A, PT6A-60AG, PT6A-61, PT6A-65B, PT6A-65R, PT6A-65AG, PT6A-65AR

Compliance: CATEGORY 7

Summary: The chrome plating for the accessory gearbox (AGB) drive gearshaft does not meet the new "Registration, Evaluation, Authorisation and restriction of CHemicals" (REACH) regulations. Replace the AGB drive gearshaft with one that does not have hard chrome plating and meets the reach regulations.



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Cover Sheet

24-Hour Global Service <b>CFIRST CENTRE</b> Toll free where available (SIL GEN-027)	USA & CANADA..... 1-800-268-8000 International ..... (IAC*)+8000-268-8000 * International Access Code	Other ..... 1-450-647-8000 Fax ..... 1-450-647-2888 Web Site ..... <a href="http://www.pwc.ca">www.pwc.ca</a>
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## TURBOPROP ENGINE

### ACCESSORY GEARBOX GEARSHAFT DRIVE - REPLACEMENT/MODIFICATION OF

#### 1. Planning Information

##### A. Effectivity

PT6A-52 BS1228, BS1269, BS1270, BS1358, BS1435 Engines which are before and include Serial No. PCE-RX1206.

PT6A-60A BS613, BS662, BS1024, BS1025, BS1271, BS1272 Engines which are before and include Serial No. PCE-PK2749 and PCE-95006 thru PCE-95828.

PT6A-60AG BS919, BS976, BS1048, BS1049, BS1210, BS1212 Engines which are before and include Serial No. PCE-RG0220.

PT6A-61 BS618, BS1236, BS1275 Engines which are before and include Serial No. PCE-HA0307 and Serial No. which include PCE-99001 thru PCE-99142.

PT6A-65B BS595, BS661, BS680, BS690, BS709, BS851, BS1305, BS1403 Engines which are before and include Serial No. PCE-PP0290 and PCE-32001 thru PCE-32644 and all engines converted to Engine Model PT6A-65B (Ref. P&WC engine conversion SB13064).

PT6A-65R Engines which include Serial No. PCE-97001 thru PCE-97201, PCE-97406, PCE-97408 and PCE-97424 and all engines converted to Engine Model PT6A-65R (Ref. P&WC engine conversion SB13078 and 13083).

PT6A-65AG BS1101, BS1102 Engines which are before and include Serial No. PCE-PNPN0487, PCE-32248 thru PCE-32640 and all engines converted to Engine Model PT6A-65AG (Ref. P&WC engine conversion SB13237, 13238, and 13239).

PT6A-65AR BS652, BS697, BS738 Engines and all engines converted to Engine Model PT6A-65AR (Ref. P&WC engine conversion SB13098).

##### B. Concurrent Requirements

None.

##### C. Reason

###### (1) Problem

Accessory gearbox gearshaft drive is chrome plated.

###### (2) Cause

Chrome plating is not in line with the new REACH regulations.

###### (3) Solution

Replace the accessory gearbox gearshaft drive with one that is in line with the reach regulations.

##### D. Description

Replace the accessory gearbox gearshaft drive with a new or modified one.

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1. Planning Information (Cont'd)

E. Compliance

CATEGORY 7 - You can do this service bulletin when the supply of superseded parts is fully used.

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

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

Estimate of 1 man-hours required to modify the old part to the new configuration.

H. Weight and Balance

None.

I. Electrical Load Data

Not applicable.

J. Software Accomplishment Summary

Not applicable.

K. References

Illustrated Parts Catalog P/N [3072864](#) (PT6A-52)

Illustrated Parts Catalog P/N [3034344](#) (PT6A-60A/60AG/61)

Illustrated Parts Catalog P/N [3032844](#) (PT6A-65B/65R/65AG/65AR)

Overhaul Manual P/N [3072863](#) (PT6A-52)

Overhaul Manual P/N [3034343](#) (PT6A-60A/60AG/61)

Overhaul Manual P/N [3032843](#) (PT6A-65B/65R/65AG/65AR)

Standard Practice Manual (SPM P/N 585005).

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## TURBOPROP ENGINE ACCESSORY GEARBOX GEARSHAFT DRIVE - REPLACEMENT/MODIFICATION OF

1. Planning Information (Cont'd)

L. Publications Affected

Illustrated Parts Catalog P/N [3072864](#) (PT6A-52)

Illustrated Parts Catalog P/N [3034344](#) (PT6A-60A/60AG/61)

Illustrated Parts Catalog P/N [3032844](#) (PT6A-65B/65R/65AG/65AR)

Overhaul Manual P/N [3072863](#) (PT6A-52)

Overhaul Manual P/N [3034343](#) (PT6A-60A/60AG/61)

Overhaul Manual P/N [3032843](#) (PT6A-65B/65R/65AG/65AR)

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, 2021).

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, 2021)</u>	<u>Instructions Dispositions</u>
<a href="#">3135915</a>	Gearshaft, Drive, Accessory Gearbox	3116496-01	1	Quote	(A)(B)(C)

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## TURBOPROP ENGINE ACCESSORY GEARBOX GEARSHAFT DRIVE - REPLACEMENT/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, 2021)</u>	<u>Instructions Dispositions</u>
(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 part if it is unserviceable. Return a serviceable part to stock.					
(C) To get the new part it is possible to make a modification to the old part, or you can get the new part from any Pratt & Whitney Canada Distribution Center.					

#### D. Reidentified Parts

<u>OLD P/N</u>	<u>NEW P/N</u>
3116496-01	3135915

#### 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 72-60-00 ACCESSORY GEARBOX - DISASSEMBLY.

B. Do the modification to serviceable Gearshaft, Drive, Accessory Gearbox as follows:

- (1) Remove the chrome plating Ref. SPOP 22 plating (Ref SPM 70-44-01-330-002).

**CAUTION:** MAKE SURE THAT THE REMAINING ELECTROLYTE (ETCH SOLUTION) IS FULLY NEUTRAL AFTER YOU WRITE ON THE PART. ELECTROLYTE CAN CAUSE CORROSION ON THE PART.

- (2) Put a line across the old part number. Use the electrolyte etch procedure, 0.002 in. (0.05 mm) deep maximum, and write the new part number in the same area.

- (3) Fully neutralize and remove the electrolyte etch solution.

C. 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 72-60-00 ACCESSORY GEARBOX - SUB-ASSEMBLY.

D. Write the accomplishment of P&WC SB No. 13526 in the engine module log book.

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4. Appendix

Not applicable.

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