P&WC S.B. No. 13206R7

# BULLETIN INDEX LOCATOR 72-60-00

TURBOPROP ENGINE

ACCESSORY GEARBOX ASSEMBLY WITH SEPARATE COUPLING SHAFT AND DRIVE

GEARSHAFT - INTRODUCTION OF

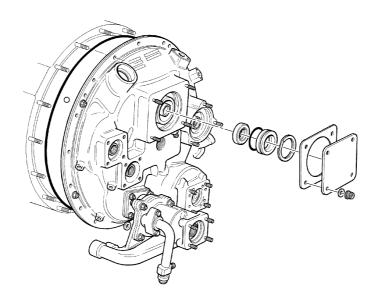
#### MODEL APPLICATION

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

Compliance: CATEGORY 5, 6

#### Summary:

- 1. Accessory loading can result in loss of drive to the accessory gearbox through component fracture. The accessory gearbox assembly input-drive coupling shaft is replaced by a gearshaft with wider gear teeth supported by an additional bearing. This requires a separate coupling shaft, starter drive and accessory drive gearshafts with wider teeth, and different oil jet and oil tank center tube.
- 2. The borescope inspection introduced on P&WC S.B. No. 13185 ACCESSORY-GEARBOX COUPLING-SHAFT AND CENTER BEARING ATTACHMENT is no longer required with the incorporation of this service bulletin.



Apr 12/1993
Revision No. 7: Feb 01/2022

PT6A-72-13206
Cover Sheet

#### WARNING - PROPRIETARY RIGHTS & EXPORT CONTROLS NOTICE

This bulletin contains proprietary information of Pratt & Whitney Canada Corp. ("P&WC"), which P&WC provides in confidence and solely for the purposes of supporting engine certification and providing applicable information regarding the proper use, maintenance, inspection, repair, servicing and parts application of P&WC products and services, as directed therein. Neither this bulletin nor any information in it may be disclosed to others, or used for any other purpose, including, without limitation, to design, create, develop, reproduce, manufacture or derive any design, part, product, material, process, modification, configuration change or repair, or obtain FAA or other government approval to do so. Possession and use of this bulletin is also subject to the restrictions set out in P&WC's Technical Data Agreement (a copy of which may be obtained by contacting P&WC Technical Publications). The contents of this bulletin may be subject to export control laws. Unauthorized export or re-export of the bulletin, or parts thereof, is prohibited. By accepting and possessing this bulletin, you agree to be bound by the foregoing terms.

If a Government agency or department intends to disclose any information, written notice should be given to: VP - Legal Services, Pratt & Whitney Canada Corp., 1000 Marie-Victorin (01BE5), Longueuil,

Quebec J4G 1A1.

Pratt & Whitney Canada Corp. 1000, Marie-Victorin Longueuil, Québec, Canada J4G 1A1 Tél. 450-677-9411



01 February 2022

P&WC S.B. No. 13206R7

### REVISION TRANSMITTAL SHEET TURBOPROP ENGINE MODEL PT6A

SUBJECT: Pratt & Whitney Canada Service Bulletin No. PT6A-72-13206, Rev. No. 7, dated Feb 01/2022 (P&WC S.B. No. 13206R7) ACCESSORY GEARBOX ASSEMBLY WITH SEPARATE COUPLING SHAFT AND DRIVE GEARSHAFT - INTRODUCTION 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.

<u>SUMMARY:</u> This service bulletin is revised to show the Figures 1 to 5 in Para. 3 and 4, which was missed in the previous revision.

#### 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: Apr 12/1993
Revision No. 1: Jul 27/1994
Revision No. 2: May 04/1995
Revision No. 3: Jul 11/2003
Revision No. 4: Jul 10/2013
Revision No. 5: Apr 04/2014
Revision No. 6: Nov 22/2021
Revision No. 7: Feb 01/2022



P&WC S.B. No. 13206R7

### TURBOPROP ENGINE ACCESSORY GEARBOX ASSEMBLY WITH SEPARATE COUPLING SHAFT AND DRIVE GEARSHAFT - INTRODUCTION OF

#### 1. Planning Information

#### A. Effectivity

PT6A-60A Engines which are before and include Serial No. PCE-95796. PT6A-61 Engines which are before and include Serial No. PCE-99142. PT6A-65B Engines which are before and include Serial No. PCE-32625. PT6A-65R Engines.

PT6A-65AG Engines which are before and include Serial No. PCE-32619. PT6A-65AR Engines which are before and include Serial No. PCE-97543.

#### B. Concurrent Requirements

None.

#### C. Reason

#### (1) Problem

There have been reports of loss of drive to the accessory gearbox assembly.

#### (2) Cause

Accessory loading can result in worn or fractured gear teeth, support bearing or input shaft.

#### (3) Solution

To better accept the loading, introduce an input drive shaft with wider teeth and supported by an additional bearing. This requires the introduction of:

- A separate coupling shaft;
- Two driven gears (starter drive and accessory drive) with wider teeth;
- An oil jet providing lubrication to the existing and the new splines; and
- A reduced length oil tank center tube to permit the installation of the additional bearing.

#### D. Description

- (1) The accessory gearbox coupling gearshaft is replaced with a separate coupling shaft and input drive gearshaft, which has wider gear teeth. An additional bearing is installed on the accessory gearbox diaphragm to support the input drive gearshaft. This requires the replacement of:
  - The starter generator drive gearshaft and accessory drive gearshaft with similar ones having wider gear teeth to mate with the wider gear teeth on the new input drive gearshaft.

P&WC No. 92398B, 95678, 96393, A0410, DCR 20801

Apr 12/1993 PawC Proprietary Information. Subject to the restrictions on the back of the locator Revision No. 7: Feb 01/2022 © 1993 Pratt & Whitney Canada Corp.

PRINTED IN CANADA

**PT6A-72-13206** Page 1 of 13

P&WC S.B. No. 13206R7

### TURBOPROP ENGINE ACCESSORY GEARBOX ASSEMBLY WITH SEPARATE COUPLING SHAFT AND DRIVE GEARSHAFT - INTRODUCTION OF

#### 1. Planning Information (Cont'd)

- The oil tank center tube with a similar shorter oil tank center tube. The old center tube can be modified.
- The oil jet nozzle with a new longer oil jet nozzle assembly.
- (2) The borescope inspection introduced on P&WC S.B. No. 13185 ACCESSORY-GEARBOX COUPLING-SHAFT AND CENTER BEARING ATTACHMENT is no longer required with the incorporation of P&WC S.B. No. 13206.

#### E. Compliance

#### For the PT6A-65AG Engines:

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.

#### For the PT6A-60A, PT6A-61, PT6A-65AR, PT6A-65B and PT6A-65R Engines:

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

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

Estimate of 10 man-hours required to include this service bulletin at heavy maintenance.

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

#### H. Weight and Balance

The engine weight will increase by 0.6 pounds (0.27 kgs).

The effect of the weight change on the center of gravity is less than 0.25 in. (6.35 mm).

#### Electrical Load Data

Not changed.

Apr 12/1993 P&WC Proprietary Information. Subject to the restrictions on the back of the locator Revision No. 7: Feb 01/2022

**PT6A-72-13206** Page 2 of 13

P&WC S.B. No. 13206R7

### TURBOPROP ENGINE ACCESSORY GEARBOX ASSEMBLY WITH SEPARATE COUPLING SHAFT AND DRIVE GEARSHAFT - INTRODUCTION OF

#### 1. Planning Information (Cont'd)

#### J. Software Accomplishment Summary

Not applicable.

#### K. References

Maintenance Manual P/N 3032842 (PT6A-65AG/-65AR/-65B/-65R) Overhaul Manual P/N 3032843 (PT6A-65AG/-65AR/-65B/-65R) Illustrated Parts Catalog P/N 3032844 (PT6A-65AG/-65AR/-65B/-65R) P&WC S.B. No. 13140, 13161, 13162, 13163, 13185 and 13192 PWA Overhaul Standard Practices Manual P/N 585005

#### L. Publications Affected

Maintenance Manual P/N 3032842 (PT6A-65AG/-65AR/-65B/-65R) Overhaul Manual P/N 3032843 (PT6A-65AG/-65AR/-65B/-65R) Illustrated Parts Catalog P/N 3032844 (PT6A-65AG/-65AR/-65B/-65R)

#### M. Interchangeability and Intermixability of Parts

Not applicable.

#### 2. Material Information

#### A. Industry Support Information

Not applicable.

#### B. Material - Cost and Availability

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

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.

New P/N	<u>Keyword</u>	Old P/N	<u>Qty</u>	Est. Unit List Price (\$US, 2021)	Instructions Disposition				
For Engines not incorporating P&WC S.B. No. 13140:									
3119369-01	Shaft, Coupling, Accessory Gearbox	3113770-01	1	17743.00	(A)(B)				

Apr 12/1993 P&WC Proprietary Information. Subject to the restrictions on the back of the locator Revision No. 7: Feb 01/2022

**PT6A-72-13206** Page 3 of 13

P&WC S.B. No. 13206R7

#### TURBOPROP ENGINE

### ACCESSORY GEARBOX ASSEMBLY WITH SEPARATE COUPLING SHAFT AND DRIVE GEARSHAFT - INTRODUCTION OF

				Est. Unit List Price (\$US,	Instructions			
New P/N	Keyword	Old P/N	Qty	2021 <u>)</u>	Disposition			
For Engines incorporating P&WC S.B. No. 13140, 13162, 13163 and 13192:								
3118791-01	Shaft, Coupling, Accessory Gearbox	3114312-01	1	14903.00	(A)(B)			
For All Engines:								
3116496-01	Gearshaft, Drive, Accessory Gearbox	1	11276.00	(A)				
3116498-01	Gearshaft, Starter Generator drive	3017609	1	quote	(A)(B)			
AS3217-117	Ring, Retaining		1	4.97	(A)			
	Nozzle, Oil Jet, Threaded	3114329-01	1		(B)			
3116530-01	Nozzle, Oil Jet, Threaded, Assembly of		1	1396.50	(A)			
3116446-01	<ul> <li>Nozzle, Oil Jet</li> </ul>		1	NP				
AS3131-03	<ul> <li>Plug, Expandable, Slflkg</li> </ul>		1	149.80				
AS3132-03	. Pin, Tapered, Slflkg Plug		1	75.44				
3037278	Bearing, Roller, Interchangeability Control (IC)		1	6080.00	(A)			
3112367-01	. Bearing, Roller (Option)		1	Ref.				
3112368-01	. Bearing, Roller (Option)		1	Ref.				
3112369-01	. Bearing, Roller (Option)		1	Ref.				
3115926-01	Washer, Key, Triple		1	77.36	(A)			
MS9518-06	Bolt, Machine		3	3.98	(A)			
3116633-01	Gearshaft, Spur, Accessory Drive, Assembly of	3105282-01	1	16907.00	(A)(B)			
For PT6A-65B/-65R/-65AG/-65AR Engines Only:								
3116448-01	Tube, Center Oil Tank	3107734-01	1	1809.90	(A)(C)			
(4)		/ <b></b>						

(A) RESTRICTED INTERCHANGEABILITY - (ATA 200 Explanation Code 07): All the old parts must be replaced by all the new parts as an assembly.

Apr 12/1993 P&WC Proprietary Information. Subject to the restrictions on the back of the locator Revision No. 7: Feb 01/2022

**PT6A-72-13206** Page 4 of 13

P&WC S.B. No. 13206R7

### TURBOPROP ENGINE ACCESSORY GEARBOX ASSEMBLY WITH SEPARATE COUPLING SHAFT AND DRIVE GEARSHAFT - INTRODUCTION OF

Est. Unit List Price (\$US, Instru

New P/N Keyword Old P/N Qty 2021) Disposition

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

(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

The following list of parts can be reworked:

<u>OLD P/N</u> 3107734-01 <u>NEW P/N</u> 3116448-01

E. Tooling - Price and Availability

Not applicable.

#### 3. Accomplishment Instructions

- A. Refer to the instructions in the maintenance or overhaul manual:
  - (1) Remove the accessory gearbox assembly from the compressor inlet case assembly.
  - (2) Remove the oil tank center tube (For PT6A-65B/-65R/-65AG/-65AR, P/N 3107734-01) from the compressor inlet case assembly.
  - (3) Inspect the splines of the compressor rear hub coupling (Ref. Fig. 1, View B):
    - (a) Move a scribe across both faces of the splines (Ref. Typical wear pattern, Area C) to detect any measurable tooth wear.
    - (b) If a step is present on the surface of the splines, the compressor rear hub coupling is not acceptable and the gas generator module must be removed from service and sent to an approved overhaul facility for repair.

NOTE: This service bulletin may be done at an approved overhaul facility following the replacement of the compressor rear hub coupling.

- (c) If a step is not present on the surface of the splines, the compressor rear hub coupling is acceptable. Proceed with incorporation of this service bulletin.
- (4) Disassemble the accessory gearbox assembly (Ref. Fig. 2):

Apr 12/1993

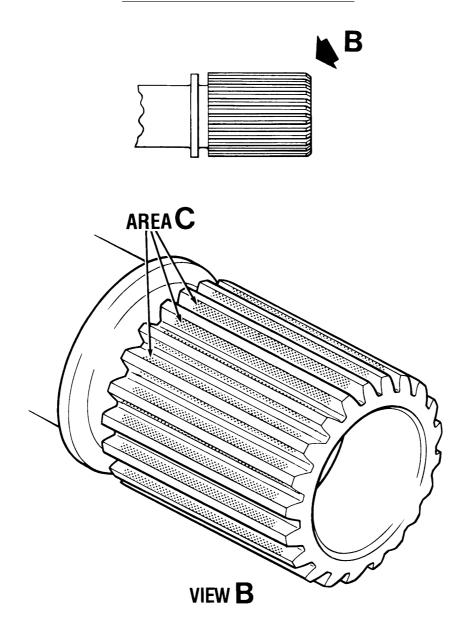
P&WC Proprietary Information. Subject to the restrictions on the back of the locator

Revision No. 7: Feb 01/2022

**PT6A-72-13206** Page 5 of 13

P&WC S.B. No. 13206R7

## TURBOPROP ENGINE ACCESSORY GEARBOX ASSEMBLY WITH SEPARATE COUPLING SHAFT AND DRIVE GEARSHAFT - INTRODUCTION OF



C25011

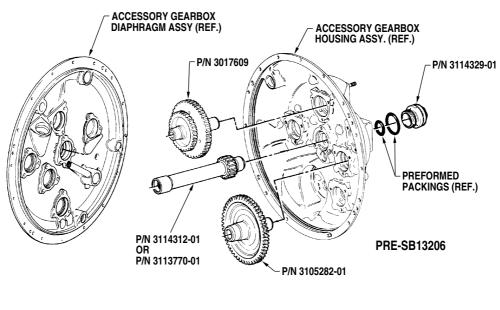
Inspection of the Rear Compressor Hub Coupling Figure 1

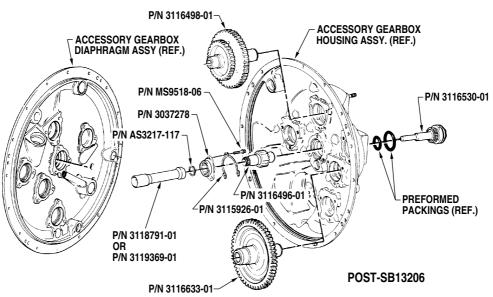
Apr 12/1993 P&WC Proprietary Information. Subject to the restrictions on the back of the locator Revision No. 7: Feb 01/2022

**PT6A-72-13206** Page 6 of 13

P&WC S.B. No. 13206R7

### TURBOPROP ENGINE ACCESSORY GEARBOX ASSEMBLY WITH SEPARATE COUPLING SHAFT AND DRIVE GEARSHAFT - INTRODUCTION OF





C25012

View of Pre- and Post-SB13206 Components Figure 2

Apr 12/1993 P&WC Proprietary Information. Subject to the restrictions on the back of the locator Revision No. 7: Feb 01/2022

**PT6A-72-13206** Page 7 of 13

P&WC S.B. No. 13206R7

### TURBOPROP ENGINE ACCESSORY GEARBOX ASSEMBLY WITH SEPARATE COUPLING SHAFT AND DRIVE GEARSHAFT - INTRODUCTION OF

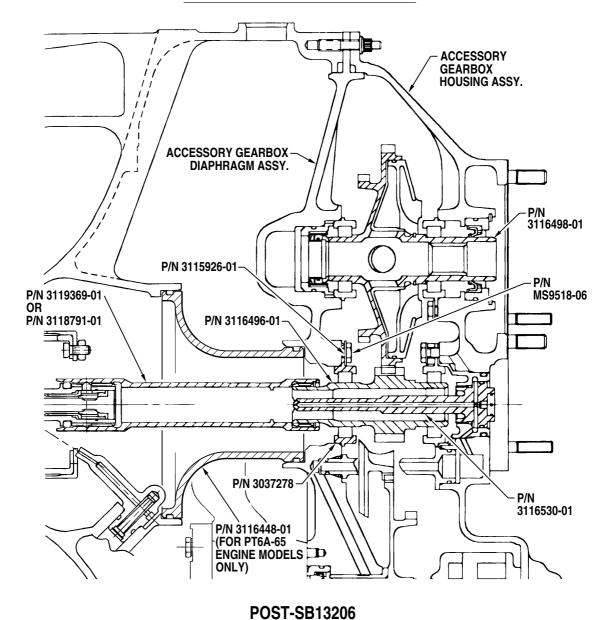
- 3. Accomplishment Instructions (Cont'd)
  - (a) Remove the oil jet nozzle P/N 3114329-01 from the accessory gearbox housing assembly.
  - (b) Separate the accessory gearbox housing assembly from the accessory gearbox diaphragm assembly.
  - (c) Remove the starter generator drive gearshaft P/N 3017609 with the attached centrifugal breather impeller.
  - (d) Remove the centrifugal impeller from the starter generator drive gearshaft P/N 3017609.
  - (e) Remove the accessory drive spur gearshaft assembly P/N 3105282-01 and the accessory gearbox coupling shaft P/N 3113770-01 (Post-SB13161) or accessory gearbox coupling shaft P/N 3114312-01 (Post-SB13162).
  - (5) Assemble the accessory gearbox assembly (Ref. Figs. 2 and 3):
    - (a) Install the new starter generator drive gearshaft P/N 3116498-01 on the existing centrifugal breather impeller.
    - (b) Assemble the new accessory gearbox coupling shaft P/N 3119369-01 (Post-SB13161) or accessory gearbox coupling shaft P/N 3118791-01 (Post-SB13162), the roller bearing P/N 3037278 and the accessory gearbox drive gearshaft P/N 3116496-01:
    - CAUTION: RECORD THE ROLLER BEARING SERIAL NUMBER ON THE BEARING RECORD SHEET IN THE ENGINE LOG BOOK.
    - (c) Immerse the new roller bearing P/N 3037278 in engine lubricating oil heated to 121 °C (250 °F) to remove grease. Remove the bearing from the oil, and allow it to drain.
    - (d) Place the new accessory gearbox drive gearshaft P/N 3116496-01 on the bench with the spline end up.
    - (e) Install the roller bearing on the accessory gearbox drive gearshaft with the serial number down (facing the gear teeth).
    - (f) Install the retaining ring P/N AS3217-117 on the accessory gearbox drive gearshaft.
    - (g) Install the new accessory gearbox coupling shaft P/N 3118791-01 on the splines of the accessory gearbox drive gearshaft.

Apr 12/1993 P&WC Proprietary Information. Subject to the restrictions on the back of the locator Revision No. 7: Feb 01/2022

**PT6A-72-13206** Page 8 of 13

P&WC S.B. No. 13206R7

### TURBOPROP ENGINE ACCESSORY GEARBOX ASSEMBLY WITH SEPARATE COUPLING SHAFT AND DRIVE GEARSHAFT - INTRODUCTION OF



C25008

Cross-section View of Accessory Gearbox Installed with Post-SB13206 Components Figure 3

Apr 12/1993 P&WC Proprietary Information. Subject to the restrictions on the back of the locator Revision No. 7: Feb 01/2022

**PT6A-72-13206** Page 9 of 13

P&WC S.B. No. 13206R7

### TURBOPROP ENGINE ACCESSORY GEARBOX ASSEMBLY WITH SEPARATE COUPLING SHAFT AND DRIVE GEARSHAFT - INTRODUCTION OF

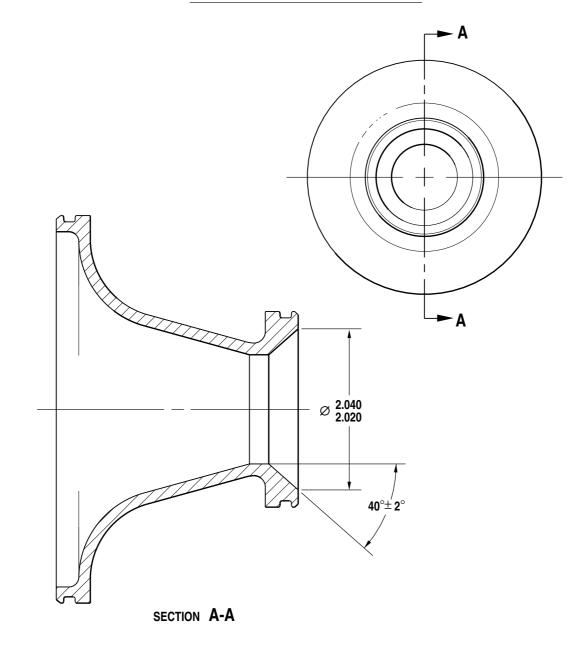
- 3. Accomplishment Instructions (Cont'd)
  - (h) Reverse the position of the assembly on the bench and insert the retaining ring in the groove of the accessory gearbox coupling shaft.
  - (6) Install the assembled accessory gearbox coupling shaft, the accessory gearbox drive gearshaft and the roller bearing in the accessory gearbox diaphragm assembly boss.
  - (7) Secure the roller bearing using the new triple keywasher P/N 3115926-01 and three bolts P/N MS9518-06. Torque the bolts 36 to 40 lb.in. and lock the washer tabs.
  - (8) Install the new starter generator drive gearshaft/centrifugal breather impeller and the new accessory drive spur gearshaft P/N 3116633-01.
  - (9) Assemble the accessory gearbox housing assembly to the accessory gearbox diaphragm assembly.
  - (10) Install the new oil jet nozzle assembly P/N 3116530-01 in the accessory gearbox housing assembly.
  - B. For PT6A-65B/-65R/-65AG/-65AR engine models, install the new or modified oil tank center tube P/N 3116448-01 in the bore of the compressor inlet case assembly.
  - C. Install the accessory gearbox assembly on the compressor inlet case.
    - <u>NOTE</u>: Make sure there is correct axial engagement of the accessory gearbox coupling gearshaft.
  - D. Write "P&WC S.B. No. 13206 incorporated" in the engine log book
  - E. A modification can be done to the serviceable oil tank center tube P/N 3107734-01 (Ref. Fig. 4):
    - (1) Machine the oil tank center tube to the dimensions shown (Ref. Section A-A).
    - (2) Deburr and break sharp edges 0.003 to 0.015 in.
    - (3) Identify the modified oil tank center tube by striking out the old P/N 3107734-01 and adding the new P/N 3116448-01, in the same general area, using the vibropeen method of marking.
    - (4) Apply chromate to the machined area and to any exposed metal, using SPOP41 (Ref. PWA Overhaul Standard Practices Manual).
    - (5) Apply synthetic resin varnish to the machined area, using SPOP 152.

Apr 12/1993 P&WC Proprietary Information. Subject to the restrictions on the back of the locator Revision No. 7: Feb 01/2022

**PT6A-72-13206** Page 10 of 13

P&WC S.B. No. 13206R7

## TURBOPROP ENGINE ACCESSORY GEARBOX ASSEMBLY WITH SEPARATE COUPLING SHAFT AND DRIVE GEARSHAFT - INTRODUCTION OF



C25007

Modification of the Oil Tank Center Tube (For PT6A-65 Engine Models Only) Figure 4

Apr 12/1993 P&WC Proprietary Information. Subject to the restrictions on the back of the locator Revision No. 7: Feb 01/2022

**PT6A-72-13206** Page 11 of 13

P&WC S.B. No. 13206R7

## TURBOPROP ENGINE ACCESSORY GEARBOX ASSEMBLY WITH SEPARATE COUPLING SHAFT AND DRIVE GEARSHAFT - INTRODUCTION OF

#### 4. Appendix

A. Refer to Figure 5 for the progression of the accessory gearbox coupling shaft.

P&WC S.B. No. 13206R7

TURBOPROP ENGINE

ACCESSORY GEARBOX ASSEMBLY WITH SEPARATE COUPLING SHAFT AND DRIVE

GEARSHAFT - INTRODUCTION OF

#### FOR PT6A-60A/-61 **ENGINES** 3021459 **BASIC** FOR PT6A-65B/-65R/ PT6A-65AG/-65AR ENGINES 3021459 **BASIC** 3113770-01 SB13161 3107660-01 SB13140 3113770-01 SB13161 3119369-01 3114312-01 AND SB13162 3116496-01 SB13206R2 3119369-01 3118791-01 AND AND 3116496-01 3116496-01 SB13206R1 SB13206

C25010

Progression of the Accessory Gearbox Coupling Shaft Figure 5

Apr 12/1993 P&WC Proprietary Information. Subject to the restrictions on the back of the locator Revision No. 7: Feb 01/2022

**PT6A-72-13206** Page 13 of 13

1



#### SERVICE INFORMATION LETTER

Subject:

**New Engine Serial Numbering Methodology** 

Applicability:

All JT15D, PT6, PW100, PW200, PW300, PW500, ST Series Engines

This Service Information Letter (SIL) is revised to provide an updated list of engine models and applicable serial numbers.

Pratt & Whitney Canada Corp (P&WC) has adopted a new alphanumeric engine serial numbering methodology to expand the number of fields available for engine serialization.

The new methodology was **introduced on 01 March 1996** and applies to all current production engine models.

All engines manufactured after this date have a six-character engine serial number consisting of two alpha characters followed by four numeric characters.

The first alpha character identifies the engine family. The second alpha character identifies the specific engine model by a four-digit serial number as shown below.

ALPHA	ALPHA	NUMERIC	NUMERIC	NUMERIC	NUMERIC
Engine family character	Engine Model character as delivered	Up to	9,999 engine	e serial numbers	
Example A=PW100 B=PW200 C=PW300 D=PW500 Etc.	Example A=PW118A B=PW119B C=PW121 D=PW121A Etc.				

ISSUED: 20 June 1996 23 Sept 1998 Rev1

12 March 2004 Rev 2

PRATT & WHITNEY CANADA CORP.

MARIE-VICTORIN, LONGUEUIL
OUEREC, CANADA MG 141

### PRATT & WHITNEY CANADA SERVICE INFORMATION LETTER

PWC: PW200-004R2

This Service Information Letter is valid until superseded or cancelled by revision The attached listing defines the unique alphanumeric serial number blocks assigned for each engine family and engine model respectively. This will be expanded, as appropriate, to meet production requirements and to facilitate the introduction of new engine models.

For engines already in service, the following applies:

- a) existing engine serial numbers (i.e. those allocated prior to 01 March 1996) will not change as a result of this new methodology.
- b) any engine converted in the field will retain the original serial number allocated during the first production build.
- c) Service Bulletins issued after the date of this revision to this SIL will reference both the new and alphanumeric serial number and the old numeric serial number for effectivity. Service Bulletins issued prior to this revision to this SIL may reference only the alphanumeric number. If only the alphanumeric number is listed, then it is implied that all engines serialized by the old method are also prior configuration according to the Service Bulletin.

For example:

#### **Effectivity**

'PW123D engines which are prior and include Serial No. PCE-AG0008'.

Effectivity would be S/N AG0001 through AG0008 as well as engines manufactured prior to the introduction of the new serial numbering methodology i.e. S/N 123001 through S/N 123358 in this case.

If further clarification of the foregoing is required, please contact your local P&WC Field Representative.

Yours truly,

PRATT & WHITNEY CANADA CORP.

Jim Stothers

Manager, Service Engineering

Turboshaft Engines

ISSUED: 20 June 1996 23 Sept. 1998 Rev.1 12 March 2004 Rev.2

Page 2

	FAMILY	MODEL	SEF	RIES	REV	FAMILY	MODEL	SEI	RIES	REV
PW119B	A = PW100							***************************************		
PW119B							· ·	1		
PW1100							PT6A-62	PL0001	PL9999	
PW1201								PM0001	PM9999	
PW121		PW119C	AZ0001	AZ9999			PT6A-65AG	PN0001	PN9999	
PW121A   ACCOUNT AD9999   PW123A   ACCOUNT AC9999   PW123A   ACCOUNT AC9999   PW123B   ACCOUNT AC9999   PW127B   ACCOUNT AC9999   PW127C   BCOUNT AC9999		PW120A	AU0001	AU9999			PT6A-65AR	PW0001	PW9999	
PW123A   ACDOIT   ACS999   PW123A   ACDOIT   ACS999   PW123C   ACDOIT   ACS999   PW123C   ACDOIT   ACS999   PW123C   ACDOIT   ACS999   PW123E   ACDOIT   ACS999   PW127F   ACDOIT   ACS999   PW127F   ACDOIT   ACS999   PW127C   ACDOIT   ACS999   PW127C   ACDOIT   ACS999   PW127C   ACDOIT   ACS999   PW127F   ACDOIT		PW121	AC0001	AC9999			PT6A-65B	PP0001	PP9999	
PM1238 A0001 A9999 PT8A-97R PX001 P99999 PT8A-97R PX001 PY9999 PT8A-97R PX001 PX00		PW121A	AD0001	AD9999			PT6A-67AF	PX0001	PX9999	
PM 123B		PW123	AE0001	AE9999			PT6A-67B	PR0001	PR9999	
PW123C A0001 A7999 PV124B A0001 AW9999 PV124B A0001 AW9999 PV124B A0001 AW9999 PV125B A0001 AW9999 PV125B A0001 AW9999 PV127C AW999 PV127C A0001 AW9999 PV127C AW999 PV127C AW999 PV127C AW999 PV127C AW999 PV127C AW9999 PV127C AW99		PW123AF	AF0001	AF9999			PT6A-67D			
PW123D A00001 AG999 PW126 A10001 A1999 PW127 A10001 A19999 PW127 A		l .								
PW123E AM0001 AM9999 PW124B AH0001 AM9999 PW125B AJ0001 AJ9999 PW127B AJ0001 AJ9999 PW127C AK0001 AJ9999 PW127C AK0001 AJ9999 PW127C AJ0001 AJ9999 PW127C AJ										
PW128B		===								
PM125B					!	R = P16				
PW1277										
PW127B								l		
### ### ### ### ### ### ### ### ### ##							·	1		
### ### ### ### ### ### ### ### ### ##		i								
### ### ### ### ### ### ### ### ### ##	As of Oot 99 will have	Constanting out to	repertment of the second of the second	1565-000 STORES - PRODUCT						
PHY-273			10000200 00000000	18. A		]		1		
PW127H	14444		OF ATTENDED					RG0001		
See "E" for PW100 Continuity							PT6A-66	RK0001	RK9999	
B = PW200FR200		PW127H EBU Kit	AYA001	AYA999			PT6A-66A	RP0001	RP9999	
B = PW200PK200   PK206C   BD0003   BD9999   PW206A   BA0001   BA9999   BA0005   BA9999   PW206B   BB0005   BB9999   PW206B   BB0005   BB9999   PW206B   BB0005   BB9999   PW206B   BE0001   BJ9999   PW206B   BE0001   BF9999   PW206B   BE0001   BF9999   PW207C   BH0001   BH9999   PW207C   BH0001   BH9999   PW207C   BG0001   BF9999   PW207C   BG0001   BG9999   PW207C   BG0001   CB9999   PW207C   BG0001   CB9999   PW207C   BG0001   CB9999   PW207C   CG0001   CG9999   PW207C   CG0001   CG		See "E" for PW10	O Continuity	,	ļ			1		
Note: All the			200		<u> </u>	}				*
Note: Ail the	B = PW200/PK200	1								
Note: All the										
be transferred to PW207D.         BC0005         BC9999         PM206D         BF0001         BF9999         PM207D.         PW206D         BF0001         BF9999         K = PT6C         PT6C-67B         KA0001         KA9999         PW207C         BH0001         BH9999         K = PT6C         PT6C-67C         K60001         K69999         PM207K         BH0001         BH9999         PF6C-67D         KC0001         KC9999         PM207K         BH0001         BH9999         ST81B         SC0001         SC9999         SC0001         SC9999         ST81B         SC0001         SC0001         SC9999         ST81B         SC0001         SC0001         SC9999         ST81B         SC0001			1					l .		
PW2070	ł							ŀ		
PW206E   BE0001   BE9999   PW207C   BH0001   BH9999   PW207D   BH0001   BH9999   PW207D   BH0001   BH9999   PW207E   BG0001   BG9999   PW207K   BK0001   BG9999   S = ST   ST18   SC0001   SC9999   ST30   SF0001   SG9999   ST30   SF0001   SG9999   ST30   SF0001   SG9999   ST40   SG0001   SG9999   SG0001   SG9999   ST40   SG0001   SG9999   SG0001   SG0001   SG9999   SG0001   SG0001   SG9999   SG0001	l .					V DTeC				-
PW207C	10 F 1120/U.					K = P160		1		
PW207D   BF0001 BF9999   PW207E   BG0001 BG9999   PW207E   BG0001 BG9999   PW207E   BG0001 BG9999   PW207E   BG0001 BG9999   ST818A   SD0001 SD9999   ST40   SG0001 SG9999   ST40   SG0001 SG9999   ST40   SG0001 SG9999   ST61-721   SG0001 SG9999   PW306A   CC0001 CC9999   PW306E   CD0001 CD9999   PW306C   CG0001 CG9999   PW306C   CG0001 CG9999   PW306C   CG0001 CG9999   PW306C   CF0001 CF9999   PW306A   CE0001 CF9999   PW306A   CE0001 CF9999   PW306A   CE0001 CF9999   PW306A   DA0001 DA9999   PW306A   DA0001 DA9999   PW306A   DE0001 DA9999   PW55A   DE0001 DB9999   PW55A   DE										
PW207E   BG0001   BG9999   BK0001   BG9999   BK0001   SD9999   BK0001   SF9999   ST40   SG0001   SF9999   ST40   SG0001   SG9999   ST61-795   SA0001   SE9999   ST61-795   SA0001   SE9999   ST61-813   SB0001   SE9999   ST61-813   SC0001   SE9999   ST61-813   SC0001   SE9999   ST61-813   SC0001   SE9999			l .		1	S = ST		+		
PW207K						1		i		
C = PW300								1		
PW305B		<u></u> _	<u></u>			]	ST40	SG0001	SG9999	
PW306A   CC0001   CC9999   PW306B   CD0001   CD9999   PW307A   CH0001   CD9999   PW307A   CH0001   CH9999   PW307A   CH0001   CE9999   CE9999   CE97A-114   PB0498   PB9999   PT67-3D CONTROL #   CH0001   CE9999   PT67-3D CONTROL #   CH0001   CE9999   PT67-3D CONTROL #   CH0001   CE9999   CH0001   CE9999   PT67-3D CONTROL #   CH0001   CE9999   CEPTON   CH0001   CEPTON	C = PW300	PW305A		CA9999						
PW306B CD0001 CD9999 PW306C GG0001 CG9999 PW306C CG0001 CG9999 PW308A CE0001 CE9999 PW308A CE0001 CE9999 PW308C CF0001 CE9999 PW308C CF0001 CE9999 PW308C CF0001 CE9999 PW530A DA0001 DA9999 PW545A DE0001 DE9999 PW545A DE0001 DE9999 PW545B DD0001 DB9999 PW545B DD0001 DD00001 DD0001 DD0001 DD0001 DD0001 DD0001 DD0001 DD0001 DD0001 DD00001 DD0001 DD0001 DD0001 DD0001 DD0001 DD0001 DD0001 DD0001 DD00001 DD0001 DD0001 DD0001 DD0001 DD0001 DD0001 DD0001 DD0001 DD0001		1					Į.			
PW306C		1	1					+		
PW307A			1			T = PT6T				
PW308A   CE0001   CE9999   PW308C   CF0001   CF9999   PW308C   CF0001   CF9999   PW530A   DA0001   DA9999   PW535A   DC0001   DD9999   PW545A   DB0001   DB9999   PW545B   DD0001   DD9999   PT61-3D GEAR BOX   TF0001   TF9999   PT61-3D GEAR BOX   TF0001   TF0001   TF0001   TF0001   TF0001   TF0001   TF0001		1	1		1			1		
PW308C	]							1		
D = PW500	1		i							
PW535A   DC0001   DC9999   PW545A   DB0001   DB9999   PW545A   DB0001   DB9999   PW545B   DD0001   DD9999   PF67-3D GEAR BOX   TJ0001   TJ9999   PF67-3D FOWER SECTION   TH0001   TH9999   PF67-3D FOWER SECTION   TH0001   TH9999   PF67-3D FOWER SECTION   TH0001   TH9999   PF67-3D FOWER SECTION   TW001   TW9999   PF67-3D FOWER SECTION   TW001   TW9999   PF67-3D FOWER SECTION   PF67-3D FOWER SECTION   TW001   TW9999   PF67-4 GEAR BOX   TR001   TR9999   PF67-4 GEAR BOX   TW001   TW9999   PF67-4 GE	D = PW500				+	1		1		
PW545A DB0001 DB9999 PW545B DD0001 DD9999 E = PW100 PW127LFF EB0001 EB9999 PW127J EA0001 EA9999 FF = PW150 PW150A FA0001 FA0004 PW150A G.B. FA0005 FA0005 PW150A FA0006 FA9999 JT15D-5A JD0536 JD9999 JT15D-5B JB0001 JB9999 JT15D-5B JB0001 JB9999 JT15D-5D JC0231 JC9999 JT15D-5D JC0231 JC9999 PF67-3D FA0001 FA0001 TW9999 PF68-114 PB0498 PB999 PF68-114 PB0498 PB9999 PF68-114A PC0424 PC9999 PF68-15AG PD0001 PC9999 PF68-21 PE0001 PE9999 PF68-27 PG0001 PG9999 Z CUST.FAC. SUPPORT ZA0001 ZA9999	D = FW500	1			1					1
PW545B	ĺ	1	ŀ							
E = PW100	Į.	1								
PW127J EA0001 EA9999 F = PW150 PW150A FA0001 FA0004 PW150A G.B. FA0005 FA0005 PW150A FA0006 FA9999  J = JT15 JT15D-5 JA0001 JA9999 JT15D-5B JB0001 JB9999 JT15D-5F JE0001 JE9999 PT6A-112 PA0001 PA9999 PT6A-114A PC0424 PC9999 PT6A-15AG PD0001 PE9999 PT6A-27 PG0001 PG9999 PT6A-201 PA0001 PG9999 PT6A-201 PG9999 PT6A-201 PG9999 PT6A-201 PG9999 PT6A-201 PG9999 PT6A-201 PG9999 PT6A-27 PG0001 PG9999 PT6A-201 PG9999 PT6A-201 PG9999 PT6A-27 PG0001 PG9999 PT6A-201 PG9999 PT6A-201 PG9999 PT6A-27 PG0001 PG9999 PT6A-201 PG9999	E = PW100	<del> </del>	<del></del>			1		1		
PW150A G.B. FA0005 FA0005 PW150A FA0006 FA9999  J = JT15		1			L	]		TV0001		1
PW150A	F = PW150	PW150A	FA0001	FA0004		]	PT6T-3DE POWER SECTION	TU0001	TU9999	1
J=JT15		N	1	FA0005			1			
JT15D-5A JD0536 JD9999 JT15D-5B JB0001 JB9999 JT15D-5D JC0231 JC9999 JT15D-5F JE0001 JE9999 PT6A-112 PA0001 PA9999 PT6A-15AG PD0001 PD9999 PT6A-21 PE0001 PE9999 PT6A-27 PG0001 PG9999 PT6A-27 PG0001 PG9999 PT6A-27 PG0001 PG9999 PT6A-25C PF0001 PG9999 JT15D-5B JB0001 JB9999 JT15D-5B JB0001 JB9999 PT6T-6 GEAR BOX TR0001 TR9999 PT6T-9 GEAR BOX UB0001 UA9999 PT6T-9 POWER SECTION UC0001 UC9999 PW900 PW901A 900001 900999 TEA-25C PF0001 PF9999 PT6A-27 PG0001 PG9999 TEA-27 PG0001 PG9999 TEA-27 PG0001 PG9999 TEA-27 PG0001 PG9999 TEA-28 TR0001 TR9999 TR0001 TR9999 PT6T-6 GEAR BOX						4	1	1		
JT15D-5B JB0001 JB9999 JT15D-5D JC0231 JC9999 JT15D-5F JE0001 JE9999 PT6A-114 PB0498 PB9999 PT6A-15AG PD001 PD9999 PT6A-21 PE0001 PE9999 PT6A-27 PG0001 PG9999 PT6A-27 PG0001 PG9999 PT6A-27 PG0001 PG9999 JT15D-5B JB0001 JB9999 PT6T-6 GEAR BOX TR0001 TR9999 PT6T-6 GEAR BOX TR00	J = JT15	1	I.		1	1		1		
JT15D-5D			1							1
Description of the property			1					1		
P = PT6/PK6						1				
PT6A-112	P PTE/PKE	<del></del>	· · · · · · · · · · · · · · · · · · ·		+	1				
PT6A-114	-110/FN0	1	l .		1		I TOTAL GEAR BOX	l l		I ntinuity
PT6A-114A         PC0424         PC9999         PT6T-9 GEAR BOX         UB0001         UB9999           PT6A-135A         PZ0001         PZ9999         PT6T-9 POWER SECTION         UC0001         UC9999           PT6A-21         PE0001         PE9999         X = KITS         PT6A-62 KIT         XA0001         XA99999           PT6A-27         PG0001         PG9999         Z         CUST.FAC. SUPPORT         ZA0001         ZA99999					1	U = PT6T	PT6T-9 CONTROL #	<del></del>		Τ,
PT6A-135A         PZ0001         PZ9999         PT6T-9 POWER SECTION         UC0001         UC9999           PT6A-15AG         PD0001         PD9999         PW900         PW901A         900001         900999           PT6A-21         PE0001         PE9999         X = KITS         PT6A-62 KIT         XA0001         XA99999           PT6A-27         PG0001         PG9999         Z         CUST.FAC. SUPPORT         ZA0001         ZA99999	1	1			1		1			1
PT6A-21         PE0001         PE9999         X = KITS         PT6A-62 KIT         XA0001         XA9999           PT6A-25C         PF0001         PF9999         Z         CUST.FAC. SUPPORT         ZA0001         ZA9999		1			1	1				1
PT6A-25C PF0001 PF9999 Z CUST.FAC. SUPPORT ZA0001 ZA9999	}	PT6A-15AG	PD0001	PD9999	1	PW900	PW901A	900001	900999	
PT6A-27 PG0001 PG9999 Z CUST.FAC. SUPPORT ZA0001 ZA9999		PT6A-21	PE0001	PE9999		X = KITS	PT6A-62 KIT	XA0001	XA9999	
		PT6A-25C	PF0001	PF9999	1					
PT6A-34AG	1	PT6A-27	PG0001	PG9999			CUST.FAC. SUPPORT	ZA0001	ZA9999	
	L	PT6A-34AG	PH0001	PH9999	_	EX **	EXPERIMENTAL	950001	999999	

<sup>\*\*\*</sup> PLEASE NOTE:

S/N's BA0025 TO BA0031 ARE CANCELLED AND WILL NEVER BE USED AGAIN (PW206A);

LAST UPDATE: 375200 PW127F: PLS NOTE THAT AS OF OCT. 99 THESE MODELS WILL BE USING THE SAME SERIAL NUMBER RANGE (EB0001 TO EB9999)

S/N's 850001 AND BD0002 ARE XPK206C EXPERIMENTAL ENGINES; BD0003/04 (SHOULD HAVE ASSIGNED EXP. S/N);