

SUBJECT: P&WC SERVICE BULLETIN (SB) No. 14499

To all Customers, Operators and Service Centers:

Date: May 11/15

Effectivity: All PC-12 aircraft with a PT6A-67B or PT6A-67P engine.

This Service Letter is issued to draw attention to the following vendor information:

P&WC have issued a service bulletin to advise operators to inspect or replace the electrical oil-level filler-cap and indicator.

Pilatus recommends that operators of PC-12 aircraft, read the P&WC SB No. 14499 (latest revision) and take the recommended action.

Operators who require further information on this subject should contact the address given below.

PILATUS AIRCRAFT LTD
CUSTOMER SUPPORT MANAGER
CH-6371 STANS
SWITZERLAND
General Aviation
Tel: +41 41 619 3333
Fax: +41 41 619 7311
eMail: SupportPC12@pilatus-aircraft.com

PILATUS BUSINESS AIRCRAFT LTD
PRODUCT SUPPORT DEPARTMENT
11755 AIRPORT WAY
BROOMFIELD, CO 80021
UNITED STATES OF AMERICA
Tel: +1 303 465 9099
Fax: +1 303 465 6040
eMail: Supportpc12@PilBal.com

PILATUS AUSTRALIA PTY LTD
17 JAMES SCHOFIELD DRIVE
ADELAIDE AIRPORT SA 5950
AUSTRALIA
Tel: +61 8 8238 1600
Fax: +61 8 8234 4499
Free Call: +61 1800 PILATUS (745 2887)
eMail: Supportpc12@pilatus.com.au

Attachments:

- P&WC SERVICE BULLETIN (SB) No. 14499

INTENTIONALLY BLANK

PRATT & WHITNEY CANADA
SERVICE BULLETIN

P&WC S.B. No. 14499

BULLETIN INDEX LOCATOR
72-60-00, 72-61-00

TURBOPROP ENGINE
ELECTRICAL OIL-LEVEL FILLER-CAP AND INDICATOR - INSPECTION/REPLACEMENT OF

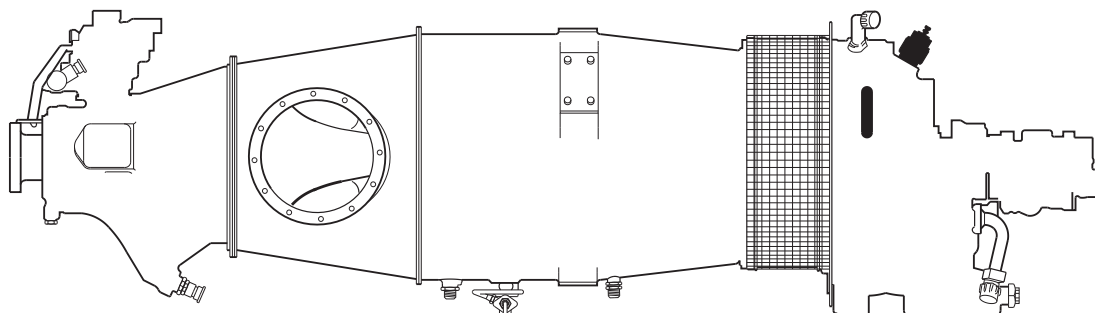
MODEL APPLICATION

PT6A-66, PT6A-66B, PT6A-67A, PT6A-67B, PT6A-67P, PT6A-67R

Commercial Support Program No: 1008153

Compliance: CATEGORY 3

Summary: The electric oil-level filler-cap and indicator can indicate incorrect oil level. There can be water ingress in the electric oil-level filler-cap and indicator. Its sealing O-ring may be missing which can cause corrosion.



May 01/2015

PT6A-72-14499
Cover Sheet

24-Hour Global Service

CFIRST CENTRE

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 www.pwc.ca

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.

Export Control Classification		
*Data is subject to the jurisdiction of the Export and Import Controls Bureau of the Department of Foreign Affairs and International Trade of Canada, Department of Commerce of the United States and/or Department of State of the United States.	Regulation	Classification Number
	Canadian ECL(s)*	
** Data is not subject to the jurisdiction of the Department of Commerce of the United States or Department of State of the United States but would become subject if exposed to any US involvement.	ECCN(s)*	
	P-ECCN(s)**	9E991
	USML (ITAR)*	
	P-USML **	

PRATT & WHITNEY CANADA
SERVICE BULLETIN

P&WC S.B. No. 14499

TURBOPROP ENGINE
ELECTRICAL OIL-LEVEL FILLER-CAP AND INDICATOR - INSPECTION/REPLACEMENT OF

1. Planning Information

A. Effectivity

PT6A-66 Engines Post-SB14452 with an electric oil-level filler-cap and indicator listed in table 1.

PT6A-66B Engines Post-SB14452 prior to Serial No. PCE-RW0234 with an electric oil-level filler-cap and indicator listed in table 1.

PT6A-67A (BS727, BS740) Engines Post-SB14452 prior to Serial No. PCE-RT0104 with an electric oil-level filler-cap and indicator listed in table 1.

PT6A-67B Engines Post-SB14452 prior to Serial No. PCE-PR0791 with an electric oil-level filler-cap and indicator listed in table 1.

PT6A-67P Engines Post-SB14452 prior to Serial No. PCE-RY0590 with an electric oil-level filler-cap and indicator listed in table 1.

PT6A-67R Engines Post-SB14452 prior to Serial No. PCE-PY0106 with an electric oil-level filler-cap and indicator listed in table 1.

B. Concurrent Requirements

None.

C. Reason

(1) Problem

Water ingress in the electric oil-level filler-cap and indicator may cause the electric oil-level filler-cap and indicator to indicate incorrect oil level.

(2) Cause

A sealing O-ring may be missing.

(3) Solution

Replace electric oil-level filler-cap and indicator that are within serial number range listed in Table 1.

D. Description

Verify if the electric oil-level filler-cap and indicator serial number is within serial number range in Table 1 and if within range remove and replace with a new one.

E. Compliance

Part A:

CATEGORY 3 - P&WC recommends doing this Service Bulletin within 10 flight hours or 10 cycles whichever comes first.

P&WC No. DCR31238, 15EQP00089

May 01/2015

P&WC Proprietary Information. Subject to the restrictions on the back of the locator
The export control classification with respect to this document is contained on the back of the locator.

© 2015 Pratt & Whitney Canada Corp.
PRINTED IN CANADA

PT6A-72-14499
Page 1 of 6

PRATT & WHITNEY CANADA
SERVICE BULLETIN

P&WC S.B. No. 14499

TURBOPROP ENGINE
ELECTRICAL OIL-LEVEL FILLER-CAP AND INDICATOR - INSPECTION/REPLACEMENT OF

1. Planning Information (Cont'd)

Part B:

CATEGORY 3 - P&WC recommends to do a visual oil level verification on a 30 hours interval, until replacement of the electric oil-level filler-cap and indicator is installed.

F. Approval

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

G. Manpower

Not applicable.

H. Weight and Balance

None.

I. Electrical Load Data

Not changed.

J. Software Accomplishment Summary

Not applicable.

K. References

Illustrated Parts Catalog P/N 3036124 (PT6A-66, PT6A-66B)
Illustrated Parts Catalog P/N 3058084 (PT6A-66A)
Illustrated Parts Catalog P/N 3036134 (PT6A-67A/67AF/67AG/67R/67T)
Illustrated Parts Catalog P/N 3038338 (PT6A-67B, PT6A-67P)
Maintenance Manual P/N 3036122 (PT6A-66, PT6A-66B)
Maintenance Manual P/N 3058082 (PT6A-66A)
Maintenance Manual P/N 3036132 (PT6A-67A/67AF/67AG/67R/67T)
Maintenance Manual P/N 3038336 (PT6A-67B, PT6A-67P)
Overhaul Manual P/N 3036123 (PT6A-66, PT6A-66B)
Overhaul Manual P/N 3058083 (PT6A-66A)
Overhaul Manual P/N 3036133 (PT6A-67A/67AF/67AG/67R/67T)
Overhaul Manual P/N 3038337 (PT6A-67B, PT6A-67D, PT6A-67P)

L. Publications Affected

Illustrated Parts Catalog P/N 3036124 (PT6A-66, PT6A-66B)
Illustrated Parts Catalog P/N 3058084 (PT6A-66A)

PRATT & WHITNEY CANADA SERVICE BULLETIN

P&WC S.B. No. 14499

TURBOPROP ENGINE ELECTRICAL OIL-LEVEL FILLER-CAP AND INDICATOR - INSPECTION/REPLACEMENT OF

1. Planning Information (Cont'd)

Illustrated Parts Catalog P/N 3036134 (PT6A-67A/67AF/67AG/67R/67T)
Illustrated Parts Catalog P/N 3038338 (PT6A-67B, PT6A-67P)

M. Interchangeability and Intermixability of Parts

Interchangeability - Refer to Para. 2.C.

Intermixability - Not changed.

2. Material Information

A. Industry Support Information

Please refer to Commercial Support Program Notification (CSPN)1008153

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 estimated total cost of new parts needed to replace old parts is \$Quote (US, 2015).

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, 2015)</u>	<u>Instructions Disposition</u>
Consumable Materials and Parts Required:					
AS3209-018	Preformed Packing	AS3209-018	1	2.40	(A)

(A) Standard replacement part. Latest at the time of SB issue.

D. Reidentified Parts

None.

E. Tooling - Price and Availability

Not applicable.

PRATT & WHITNEY CANADA
SERVICE BULLETIN

P&WC S.B. No. 14499

TURBOPROP ENGINE

ELECTRICAL OIL-LEVEL FILLER-CAP AND INDICATOR - INSPECTION/REPLACEMENT OF

3. Accomplishment Instructions

A. **Part A:**

Verify if electric oil-level filler-cap and indicator serial number is within serial number range listed in Table 1. Refer to Figure 1 for location of electric oil-level filler-cap and indicator serial number.

- (1) If electric oil-level filler-cap and indicator serial number is within the identified range remove and replace with a new one.

NOTE: 1. For the PT6A-67B/67P engines electric oil-level filler-cap and indicator P/N 3075905-01.

NOTE: 2. For the PT6A-66/66B, PT6A-67A/67R engines electric oil-level filler-cap and indicator P/N 3075906-01.

NOTE: 3. The new electric oil-level filler-cap and indicator can be installed when the next oil level verification is due. Refer to the applicable maintenance or overhaul manual instructions (Ref. 72-60-00).

- (2) Do part B if the replacement unit is not available.
- (3) Write accomplishment of P&WC S.B. No. 14499 Part A in the applicable engine module log book.

B. **Part B:**

Until the replacement electric oil-level filler-cap and indicator is received the old electric oil-level filler-cap and indicator can be used as a mechanical oil level indicator:

- (1) Refill Oil level to MAX COLD level.
- (2) Given the average oil consumption of 0.3 lbs/hour of flight, physically re-verify oil level within every 30 flight hours and refill to MAX COLD level.

WARNING: DO NOT RELY ON THE AIRCRAFT OIL LEVEL INDICATING SYSTEM.

- (3) Repeat this process until the current electric oil-level filler-cap and indicator is replaced with a new unit.

NOTE: 1. If oil consumption is tracked and known, operator can adjust periodic oil refill to avoid dropping 2 quarts below MAX COLD level.

NOTE: 2. If Aircraft indicating system indicates the need for oil refill, it should be done prior to next flight.

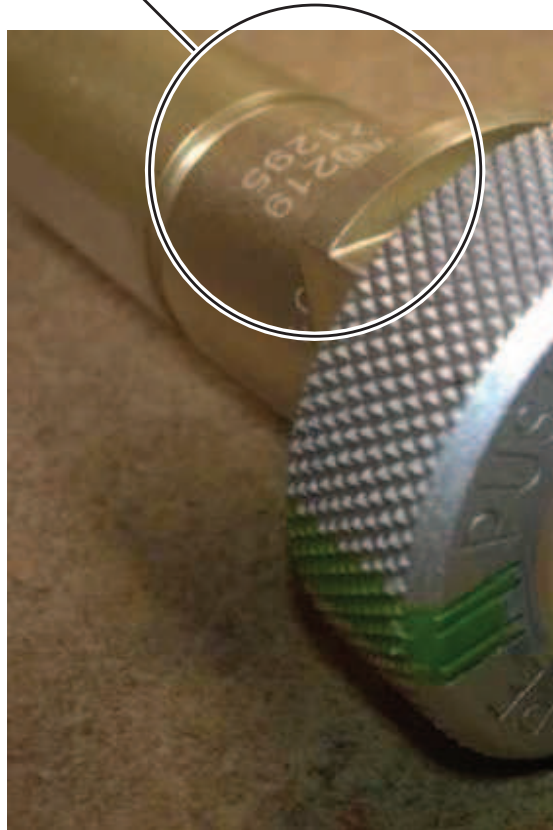
- (4) Write accomplishment of P&WC S.B. No. 14499 Part B in the applicable engine module log book.

PRATT & WHITNEY CANADA
SERVICE BULLETIN

P&WC S.B. No. 14499

TURBOPROP ENGINE
ELECTRICAL OIL-LEVEL FILLER-CAP AND INDICATOR - INSPECTION/REPLACEMENT OF

OIL LEVEL INDICATOR
SERIAL NUMBER



C235847

electric oil-level filler-cap and indicator
Figure 1

May 01/2015

P&WC Proprietary Information. Subject to the restrictions on the back of the locator
The export control classification with respect to this document is contained on the back of the locator.

PT6A-72-14499
Page 5 of 6

PRATT & WHITNEY CANADA
SERVICE BULLETIN

P&WC S.B. No. 14499

TURBOPROP ENGINE
ELECTRICAL OIL-LEVEL FILLER-CAP AND INDICATOR - INSPECTION/REPLACEMENT OF

4. Appendix

- A. Refer to Table 1 for affected electric oil-level filler-cap and indicator part numbers and serial numbers.

TABLE 1, Affected Electronic Oil Level Indicators

Engine Models	Electronic OLI P/N	Electronic OLI S/N Range
PT6A-67B and PT6A-67P	3075905-01	ABA0065 - ABA0094
PT6A-66, PT6A-66B, PT6A-67A (BS727 and BS740), PT6A-67R	3075906-01	ABA0203 - ABA0208
	3075906-01	ABA0215 - ABA0269