

SERVICE LETTER

SUBJECT: ISSUE OF P&WC SERVICE BULLETIN PT6A-72-14246 REGARDING THE ELECTRICAL OIL LEVEL INDICATOR AND OIL LEVEL SIGHT GAUGE.

All Operators:

Date: June 02/97

This service letter draws the attention of customers to Vendor information that provides full details on the above topics as follows:

APPENDIX A P&WC Service Bulletin No. PT6A-72-14246, Revision. 1 -- Electrical Oil Level Indicator and Oil Level Sight Gauge.

NOTE: This information is effective for PT6A-67B engines before and including Serial Numbers PCE-110050 and PCE-PR0034.

Firstly, contact the Vendor for any specific enquires concerning the subject matter.

If you have difficulty, make enquiries at the following address:

PILATUS AIRCRAFT LTD.
CUSTOMER LIAISON MANAGER,
CH-6371 STANS,
SWITZERLAND.

Tel: +41 41 619 6509

Fax: +41 41 610 3351

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PC12
SERVICE LETTER

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SERVICE LETTER

Appendix A to Pilatus Service Letter No. 018

(P&WC Service Bulletin No. PT6A-72-14246, Revision No. 1)

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PRATT & WHITNEY CANADA
SERVICE BULLETIN

P&WC S.B. No. 14246R1

BULLETIN INDEX LOCATOR
72-20-00

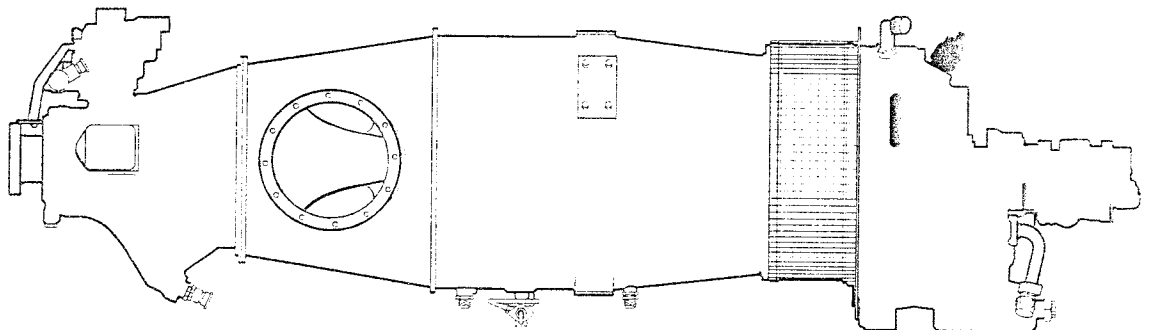
TURBOPROP ENGINE
ELECTRICAL OIL LEVEL INDICATOR AND OIL LEVEL SIGHT GAGE

MODEL APPLICATION

PT6A-67B

Compliance: CATEGORY 8

Summary: There is a customer request (Pilatus) to have a new electric oil level indicator and oil level sight gage to reflect the actual, tank oil quantity.



Pratt & Whitney Canada Inc.
1000, Marie-Victorin
Longueuil, Québec, Canada J4G 1A1
Tél. 514-677-9411



Pratt & Whitney Canada
A United Technologies Company

07 February 1997

P&WC S.B. No. 14246R1

REVISION TRANSMITTAL SHEET
TURBOPROP ENGINE MODEL PT6A

SUBJECT: Pratt & Whitney Canada Service Bulletin No. PT6A-72-14246, Rev. No. 1, dated Feb 07/97 (P&WC S.B. No. 14246R1) ELECTRICAL OIL LEVEL INDICATOR AND OIL LEVEL SIGHT GAGE

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 Destroy the superseded copy.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: 1. Para, 1.A., Effectivity, revised to update engine serial number.

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: Oct 21/96
Revision No. 1: Feb 07/97

PRATT & WHITNEY CANADA
SERVICE BULLETIN

P&WC S.B. No. 14246R1

TURBOPROP ENGINE
ELECTRICAL OIL LEVEL INDICATOR AND OIL LEVEL SIGHT GAGE

1. Planning Information

A. Effectivity

PT6A-67B Engines which are before and include Serial No. PCE-110050
PT6A-67B Engines which are before and include Serial No. PCE-PR0034

B. Concurrent Requirements

None.

C. Reason

(1) Problem

Reports from the customer (Pilatus) indicate that there is no correlation between the markings on the electric oil level indicator and the actual oil quantity. Pilatus has requested to have oil level markings added on the sight gage.

(2) Cause

The electric oil level indicator and oil level sight gage were not accurately calibrated.

(3) Solution

The electric oil level indicator is replaced with a similar indicator which will reflect the actual oil tank quantity. A new sight gage with additional markings is introduced to agree with the electric oil level indicator levels.

D. Description

Replace the electric oil level indicator with a similar one that will reflect the actual oil tank quantity. A new sight gage with additional markings is also introduced to indicate the correct oil levels.

E. Compliance

CATEGORY 8 - Do this service bulletin if the operator thinks the change is necessary because of what he knows of the parts history.

F. Approval

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

G. Manpower

Once you have access to the part, an estimate of 1.5 man-hours is required to include this service bulletin at maintenance.

P&WC No. B1223A

Oct 21/96

Revision No. 1: Feb 07/97

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SERVICE BULLETIN

P&WC S.B. No. 14246R1

TURBOPROP ENGINE
ELECTRICAL OIL LEVEL INDICATOR AND OIL LEVEL SIGHT GAGE

1. Planning Information (Cont'd)
 - H. Weight and Balance

None.
 - I. Electrical Load Data

Not changed.
 - J. Software Accomplishment Summary

Not applicable.
 - K. References

Applicable PT6A Technical Manuals
 - L. Publications Affected

Applicable PT6A Technical Manuals
 - M. Interchangeability and Intermixability of Parts

Not changed.
2. Material Information
 - A. 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 \$4698.66 (US, 1996).

The new parts are scheduled to be available in February 1997.
 - B. Industry Support Information

Not applicable.

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SERVICE BULLETIN

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TURBOPROP ENGINE
ELECTRICAL OIL LEVEL INDICATOR AND OIL LEVEL SIGHT GAGE

2. Material Information (Cont'd)

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, 1996)</u>	<u>Instructions Disposition</u>
3122894-01	Gage - Sight, Oil Level		1	1458.30	(A)
	Sight Gage Option (Interchangeability Control)	3037675	1		(A)
	. Gage - Sight, Oil Level	3109698-01	1		(B)
	. Gage - Sight, Oil Level	3112104-01	1		(B)
3122895-01	Filler Cap and Indicator Oil Level, Electric	3109587-01	1	3218.80	(A)

Consumable Materials Required:

3116682-01	Oil Level Sight Gage Gasket		1	20.59	
AS3209-018	Preformed Packing		1	0.97	

(A) TWO WAY INTERCHANGEABLE - (ATA 200 Explanation Code 02)
The old or the new part can replace the old or the new part.

(B) Optional part.

D. Reidentified Parts

None.

E. Tooling - Price and Availability

Not applicable.

3. Accomplishment Instructions

A. Refer to the maintenance or overhaul manuals for instructions:

- (1) Drain engine oil.
- (2) Remove oil level sight gage P/N 3037675 (Interchangeability Control).
- (3) Remove filler cap and oil level indicator P/N 3109587-01.
- (4) Install new oil level sight gage P/N 3122894-01, on engine assembly with new oil level sight gage gasket P/N 3106817-01.

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TURBOPROP ENGINE
ELECTRICAL OIL LEVEL INDICATOR AND OIL LEVEL SIGHT GAGE

3. Accomplishment Instructions (Cont'd)

- (5) Install new filler cap and oil level indicator P/N 3122895-01, on gearbox assembly with new preformed packing P/N AS3209-018.
- (6) Replenish engine with new specified engine oil.
- (7) Write "P&WC S.B. No. 14246 Incorporated" in the engine log book.

4. Appendix

- A. Refer to the Figure 1 for Parts Progression.

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P&WC S.B. No. 14246R1

TURBOPROP ENGINE
ELECTRICAL OIL LEVEL INDICATOR AND OIL LEVEL SIGHT GAGE

*Electric Filler
Cap and Oil
Level Indicator*

3109587-01
BASIC



3122895-01
SB14246

Sight Gage

3037675
BASIC



3122894-01
SB14246

C35624

Progression of the Part
Figure 1

