



PILATUS AIRCRAFT LTD. CH-6370 STANS, SWITZERLAND.

SERVICE LETTER

SUBJECT: PRATT & WHITNEY CANADA SERVICE BULLETIN NO: 14233

All Operators:

Date: 27 June 1996

The attention of all PC-12 operators is drawn to the subject Service Bulletin which is reproduced as Annex A to this letter:

Any specific queries concerning this subject should be addressed directly to Pratt & Whitney Canada.

Should any difficulty be encountered, enquiries can then be made to the following address:

PILATUS AIRCRAFT LTD.
CUSTOMER LIAISON MANAGER,
CH-6370 STANS,
SWITZERLAND.

Tel: + 41 41 6196 233
Fax: + 41 41 6103 351

or contact your Authorized PILATUS PC-12 Service Center.

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Annex A to Pilatus Service Letter PC-12 No: 010

Pratt & Whitney Canada Service Bulletin No: 14233

(7 pages)

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PRATT & WHITNEY CANADA
SERVICE BULLETIN

P&WC S.B. No. 14233

BULLETIN INDEX LOCATOR

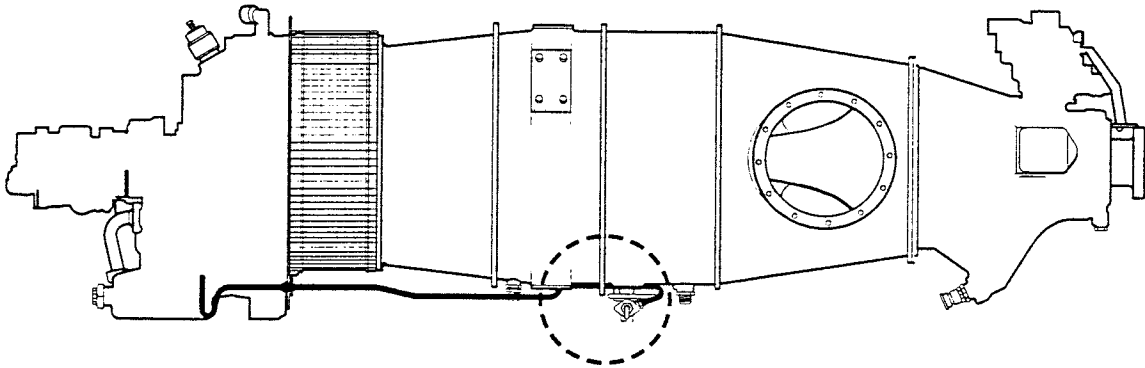
TURBOPROP ENGINE
SEALING PLATES AND SPACER - REPLACEMENT OF

MODEL APPLICATION

PT6A-64, PT6A-66, PT6A-67, PT6A-67A, PT6A-67AF, PT6A-67B, PT6A-67R, PT6A- 67AG and
PT6A- 67D

Compliance: CATEGORY 5

Summary: New sealing plates and sleeve spacer are required to prevent fretting on the primary fuel tube, at the centre firewall section. A Special Program Allowance (SPA) No. A95048R1 has been introduced for these parts.



PRATT & WHITNEY CANADA
SERVICE BULLETIN

P&WC S.B. No. 14233

TURBOPROP ENGINE
SEALING PLATES AND SPACER - REPLACEMENT OF

1. Planning Information

A. Effectivity

PT6A-64 Engines which are before and include Serial No. PCE-111110
PT6A-66 Engines which are before and include Serial No. PCE-104067
PT6A-67 Engines which are before and include Serial No. PCE-105192
PT6A-67A Engines which are before and include Serial No. PCE-105180
PT6A-67AF Engines which are before and include Serial No. PCE-107025
PT6A-67B Engines which are before and include Serial No. PCE-110041
PT6A-67R Engines which are before and include Serial No. PCE-106223
PT6A-67AG Engines which are before and include Serial No. PCE-106223
PT6A-67D Engines which are before and include Serial No. PCE-114431, but not including PCE-114430, PCE-114429, PCE-114428 and PCE-114425

B. Concurrent Requirements

None.

C. Reason

(1) Problem

Fretting has occurred on the primary fuel tube at the center firewall section.

(2) Cause

It is possible that there is not enough clearance between the firewall inner/outer sealing plates in relation to the primary fuel tube tolerance envelope. This condition can cause fretting of the tube.

(3) Solution

New sealing plates with larger cut-out are introduced to make sure there is sufficient clearance for the primary fuel tube to go through the center of the center fireseal holes. For the PT6A-67B, because the clamping arrangement is different, a thinner spacer is required at the No.2 bearing oil scavenge tube.

D. Description

Replace the sealing plates with similar plates that have larger cut-outs and, for the PT6A-67B only, one flat spacer is also replaced with a sleeve spacer at the No. 2 bearing oil scavenge tube.

NOTE: A SPA No. A95048R1 is in effect for this service bulletin.

E. Compliance

CATEGORY 5 - You can 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.

P&WC No. B6586B

Nov 06/95

PT6A-72-14233
Page 1 of 6

PRATT & WHITNEY CANADA
SERVICE BULLETIN

P&WC S.B. No. 14233

TURBOPROP ENGINE
SEALING PLATES AND SPACER - REPLACEMENT OF

1. Planning Information (Cont'd)

F. Approval

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

G. Manpower

Estimate of 1.0 man-hours required to include this service bulletin at maintenance.

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

Estimate of 1.0 man-hours required to include this service bulletin at engine HSI.

H. Weight and Balance

None.

I. Electrical Load Data

Not changed.

J. Software Accomplishment Summary

Not applicable.

K. References

Maintenance Manual P/N 3038321 (PT6A-64)
Maintenance Manual P/N 3036122 (PT6A-66)
Maintenance Manual P/N 3036132 (PT6A-67/-67A/-67R/-67AF)
Maintenance Manual P/N 3038336 (PT6A-67B/-67D)
Overhaul Manual P/N 3038322 (PT6A-64)
Overhaul Manual P/N 3036123 (PT6A-66)
Overhaul Manual P/N 3036133 (PT6A-67/-67A/-67R/-67AF)
Overhaul Manual P/N 3038337 (PT6A-67B/-67D)
Illustrated Parts Catalog P/N 3038323 (PT6A-64)
Illustrated Parts Catalog P/N 3036124 (PT6A-66)
Illustrated Parts Catalog P/N 3036134 (PT6A-67/-67A/-67R/-67AF)
Illustrated Parts Catalog P/N 3038338 (PT6A-67B/-67D)
SPA No. A95048R1

L. Publications Affected

Illustrated Parts Catalog P/N 3038323 (PT6A-64)
Illustrated Parts Catalog P/N 3036124 (PT6A-66)
Illustrated Parts Catalog P/N 3036134 (PT6A-67/-67A/-67R/-67AF)
Illustrated Parts Catalog P/N 3038338 (PT6A-67B/-67D)

M. Interchangeability and Intermixability of Parts

Not changed.

PRATT & WHITNEY CANADA
SERVICE BULLETIN

P&WC S.B. No. 14233

TURBOPROP ENGINE
SEALING PLATES AND SPACER - REPLACEMENT OF

2. Material Information

A. Material - Cost and Availability

You can get the procurable parts listed in Para. 2.C. from Pratt & Whitney Canada Inc.

The estimated total cost of new parts is \$26.77 (US, 1995).

The new parts are available.

B. Industry Support Information

(1) P&WC SPA No. A95048R1 will be outlined in the Commercial Support Program Notification A95048R1, and this program will be terminated November 30th 1996.

(2) For this SPA:
 Submit a no charge Purchase Order (P.O.), through the normal P&WC parts distribution network requesting SPA No. A95048R1 incorporation. Make sure the engine model and serial number are referenced on all orders.

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,1995)</u>	<u>Instructions Disposition</u>
For PT6A-67B:					
3122635-01	Plate - Seal, Inner, Firewall	3019384	2	7.62	(A)
3122636-01	Plate - Seal, Outer, Firewall	3019385	2	5.86	(A)
3105512-14	Spacer - Sleeve, 0.221 x 0.438 x 0.205		1	Quote	(B)
	Spacer - Flat, 0.221 x 0.438 x 0.250	3008891	1		(B)
For PT6A-64, PT6A-66, PT6A-67A, -PT6A-67AF, -PT6A-67AG, PT6A-67D and PT6A-67R:					
3122635-01	Plate - Seal, Inner, Firewall	3019384	2	7.62	(A)
3122636-01	Plate - Seal, Outer, Firewall	3019385	2	5.86	(A)
For PT6A-67:					
3122635-01	Plate - Seal, Inner, Firewall	3019384	2	7.62	(A)
3122636-01	Plate - Seal, Outer, Firewall	3019385	2	5.86	(A)

PRATT & WHITNEY CANADA
SERVICE BULLETIN

P&WC S.B. No. 14233

TURBOPROP ENGINE
SEALING PLATES AND SPACER - REPLACEMENT 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,1995)</u>	<u>Instructions Disposition</u>
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(A) QUALIFIED INTERCHANGEABILITY - (ATA 200 Explanation Code 07)
When the replacement set is more than one part number, the old and the new parts are interchangeable in complete sets only.

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

D. Reidentified Parts

None.

E. Tooling - Price and Availability

Not applicable.

3. Accomplishment Instructions

A. Refer to the instructions in the applicable maintenance or overhaul manual and to Figure 1 and 2:

(1) Remove two old inner firewall plate seals P/N 3019384 and two outer firewall plate seals P/N 3019385.

(2) Install new inner firewall plate seals P/N 3122635-01 and two new outer firewall plate seals P/N 3122636-01.

NOTE: Make sure that the fuel lines are positioned at the center of the plates when completely installed.

(3) Inspect fuel pressure tube assembly P/N 3037677 at the firewall plate seal for fretting wear.

NOTE: Fretting in excess of 0.008 inch. will require the fuel pressure tube assembly to be replaced, and the fuel pressure tube assembly can be ordered from P&WC on a "No Charge P.O." referencing SPA No. A95048R1.

(4) For the PT6A-67B only, replace the flat spacer P/N 3008891 and install a new sleeve spacer P/N 3105512-14 at the No. 2 bearing oil scavenge tube.

(5) Write "P&WC S.B. No. 14233 Incorporated" in the engine log book.

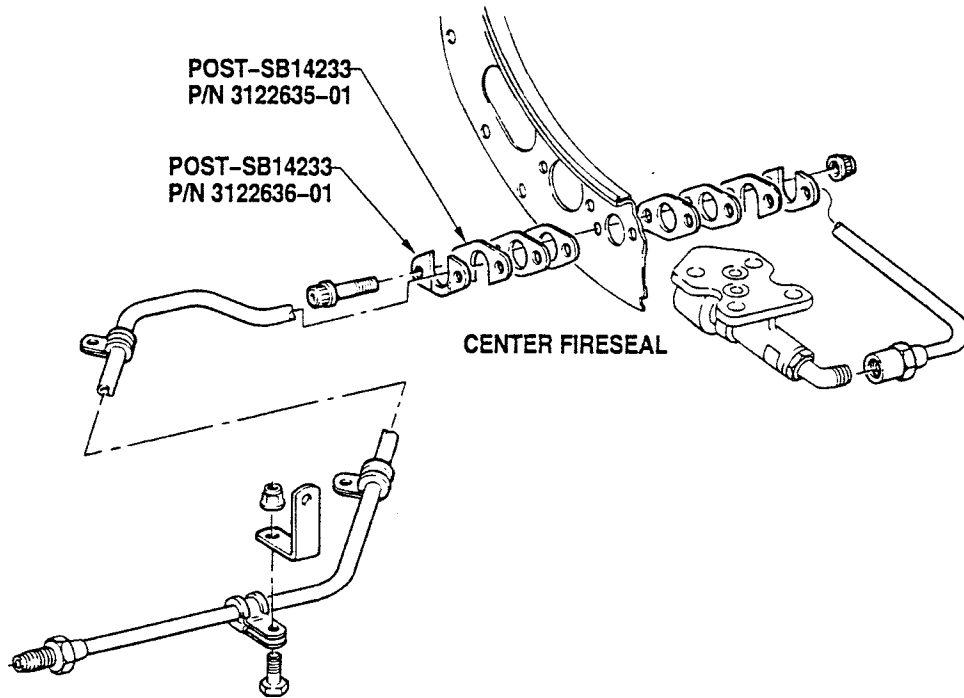
4. Appendix

Not applicable.

PRATT & WHITNEY CANADA
SERVICE BULLETIN

P&WC S.B. No. 14233

TURBOPROP ENGINE
SEALING PLATES AND SPACER - REPLACEMENT OF



C26784

Firewall Plate Seals - Replacement of
Figure 1

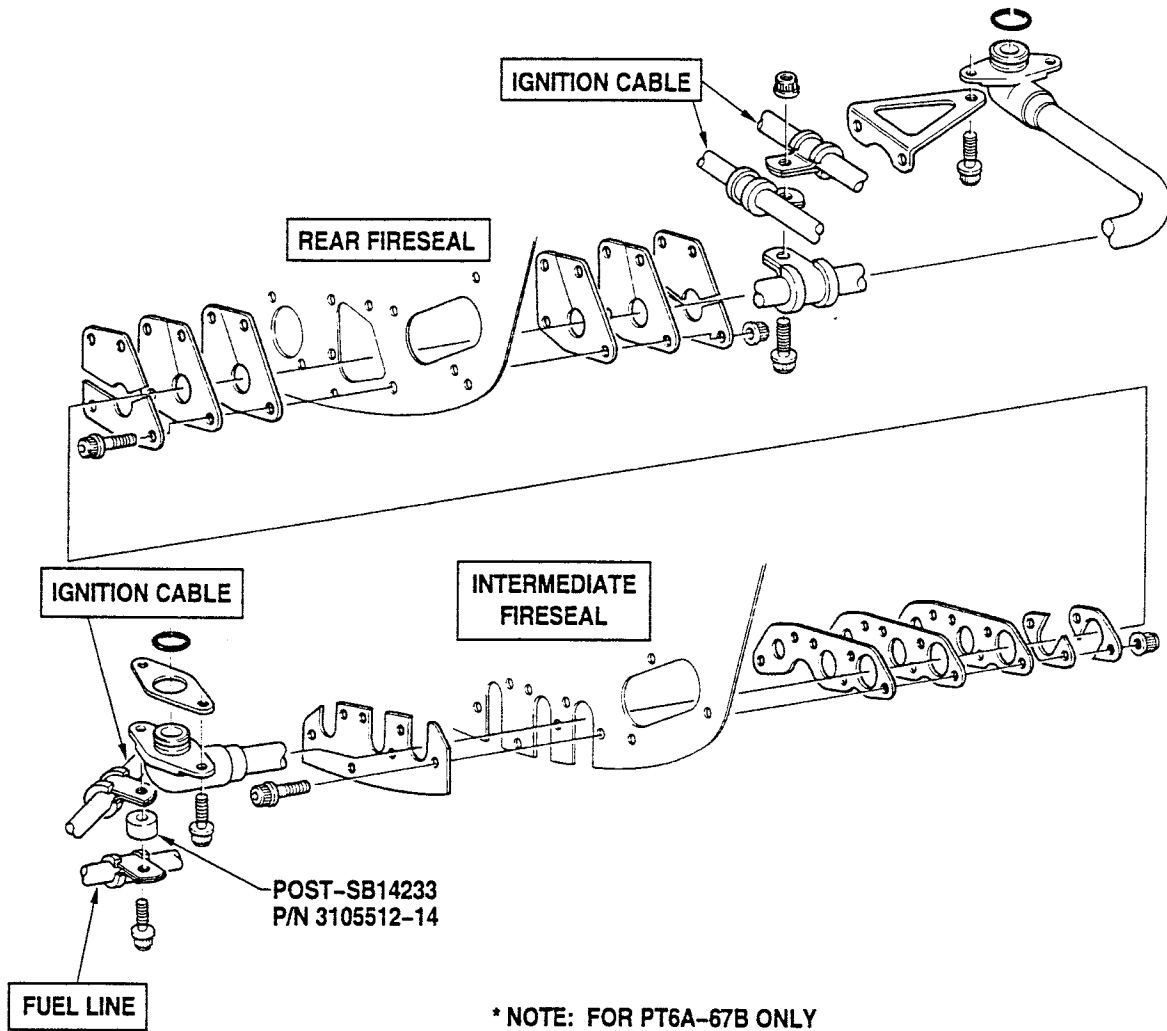
Nov 06/95

PT6A-72-14233
Page 5 of 6

PRATT & WHITNEY CANADA
SERVICE BULLETIN

P&WC S.B. No. 14233

TURBOPROP ENGINE
SEALING PLATES AND SPACER - REPLACEMENT OF



C26785

For PT6A-67B Only, Replace the Spacer on the No.2 Bearing Scavenge Oil Tube Installation
Figure 2

Nov 06/95

PT6A-72-14233
Page 6 of 6