

PRATT & WHITNEY CANADA
ALERT SERVICE BULLETIN

P&WC S.B. No. A14574R1

BULLETIN INDEX LOCATOR

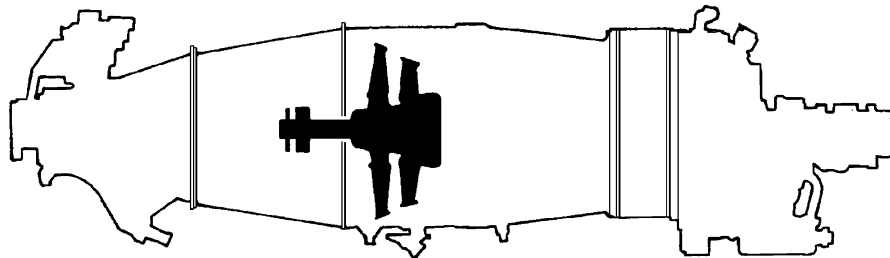
TURBOPROP ENGINE
SECOND-STAGE POWER-TURBINE BLADES - INSPECTION/REPLACEMENT OF
MODEL APPLICATION

PT6A-64, PT6A-66, PT6A-66A, PT6A-66B, PT6A-66D, PT6A-66T, PT6A-67, PT6A-67A,
PT6A-67AF, PT6A-67AG, PT6A-67B, PT6A-67D, PT6A-67F, PT6A-67P, PT6A-67R, PT6A-67RM,
PT6A-67T

Commercial Support Program No: 1009369

Compliance: CATEGORY 1

Summary: Second-stage Power Turbine (PT) Blades manufactured from specific raw material may be at higher risk of low time fracture. Replace the Second-stage PT Blades with same part number manufactured from different raw material.



Feb 13/2024
Revision No. 1: Feb 20/2024

PT6A-72-A14574
Cover Sheet

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Feb 20/2024

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REVISION TRANSMITTAL SHEET
TURBOPROP ENGINE MODEL PT6A

SUBJECT: Pratt & Whitney Canada Service Bulletin No. PT6A-72-A14574, Rev. No. 1 dated Feb 20/2024 (P&WC S.B. No. A14574R1) SECOND-STAGE POWER-TURBINE BLADES - INSPECTION/REPLACEMENT 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 Destroy the superseded copy.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.

SUMMARY:

This revision is issued to:

- correct a typo for the blade serial number range, should read TH45F128 to TH45F704 in lieu of TH45F128 to THF45F704.

NOTE: Only changes to the technical content have a black bar in the margin

EFFECT OF REVISION ON PRIOR ACCOMPLISHMENT:

None.

REVISION HISTORY:

Original Issue: Feb 13/2024

Revision No. 1: Feb 20/2024

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TURBOPROP ENGINE
SECOND-STAGE POWER-TURBINE BLADES - INSPECTION/REPLACEMENT OF

1. Planning Information

A. Effectivity

All PT6A-64, PT6A-66, PT6A-66A, PT6A-66B, PT6A-66D, PT6A-66T, PT6A-67, PT6A-67A, PT6A-67AF, PT6A-67AG, PT6A-67B, PT6A-67D, PT6A-67F, PT6A-67P, PT6A-67R, PT6A-67RM, PT6A-67T engines.

B. Concurrent Requirements

None.

C. Reason

(1) Problem

Second-stage PT Blades manufactured from specific raw material may be at higher risk of low time fracture.

(2) Cause

The raw material used during manufacturing is considered suspect.

(3) Solution

Replace the Second-stage PT Blade(s) with same part number manufactured with different raw material.

D. Description

Do an inspection of the applicable engine records necessary to determine if any of its Second-stage PT Blade serial numbers are found in the list of suspect serial numbers in table 1. Replace any suspect Second-stage PT Blade(s) with one(s) not listed in table 1.

E. Compliance

For engines with less than 50 Flight Hours Total Time Since New (TTSN) or total time since shop visit or total time since Second-stage Power Turbine repair:

CATEGORY 1 - P&WC recommends to do this service bulletin before the next flight.

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.

■ P&WC No. RFN7101, ETI-0083288

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TURBOPROP ENGINE
SECOND-STAGE POWER-TURBINE BLADES - INSPECTION/REPLACEMENT OF

1. Planning Information (Cont'd)

H. Weight and Balance

None.

I. Electrical Load Data

Not applicable.

J. Software Accomplishment Summary

Not applicable.

K. References

Illustrated Parts Catalog P/N [3038323](#) (PT6A-64)

Illustrated Parts Catalog P/N [3058084](#) (PT6A-66A)

Illustrated Parts Catalog P/N [3036124](#) (PT6A-66/66B)

Illustrated Parts Catalog P/N [3070904](#) (PT6A-66D)

Illustrated Parts Catalog P/N [3134824](#) (PT6A-66T)

Illustrated Parts Catalog P/N [3036134](#) (PT6A-67/67A/67AF/67AG/67R/67T)

Illustrated Parts Catalog P/N [3038338](#) (PT6A-67B/67P)

Illustrated Parts Catalog P/N [3072154](#) (PT6A-67D)

Illustrated Parts Catalog P/N [3071154](#) (PT6A-67F)

Overhaul Manual P/N [3038322](#) (PT6A-64)

Overhaul Manual P/N [3058083](#) (PT6A-66A)

Overhaul Manual P/N [3036123](#) (PT6A-66/66B)

Overhaul Manual P/N [3070903](#) (PT6A-66D)

Overhaul Manual P/N [3134823](#) (PT6A-66T)

Overhaul Manual P/N [3036133](#) (PT6A-67/67A/67AF/67AG/67R/67T)

Overhaul Manual P/N [3038337](#) (PT6A-67B/67D/67P)

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SECOND-STAGE POWER-TURBINE BLADES - INSPECTION/REPLACEMENT OF

1. Planning Information (Cont'd)

Overhaul Manual P/N [3071153](#) (PT6A-67F)

L. Publications Affected

None.

M. Interchangeability and Intermixability of Parts

Interchangeability - Refer to Para. 2.C.

Intermixability - Not changed.

2. Material Information

A. Industry Support Information

Refer to Commercial Support Program Notification (CSPN) 1009369.

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, 2024.

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, 2024)</u>	<u>Instructions Dispositions</u>
3056693-01	Blade, Power Turbine	3056693-01	AR	4001.30	(A)

(A) Discard.

D. Reidentified Parts

None.

E. Tooling - Price and Availability

Not Applicable

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3. Accomplishment Instructions

- A. Do an inspection of the applicable engine records necessary to determine if any of its Second-stage PT Blade serial numbers are found in the list of suspect serial numbers in table 1.
 - (1) If none are found, go to Para 3.D.
 - (2) If any are found go to the next step.
- B. Remove the Second-stage PT Blade(s) identified in table 1 as follows:
Ref. OHM 72-50-04.
- C. Install Second-stage PT Blade(s) with one(s) not listed in table 1, in accordance with the overhaul manual instructions as follows:
Ref. OHM 72-50-04.
- D. Write the accomplishment of P&WC S.B. No. 14574 in the engine module log book.

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- 3. Accomplishment Instructions (Cont'd)
- 4. Appendix

Refer to Table 1 for the suspect Second-stage PT Blade Serial Numbers.

TABLE 1, Suspect Second-stage PT Blade Serial Numbers

Serial Number Range	Serial Number Range	Serial Number Range	Serial Number Range
TH16F839 to TH16F999	TH17F000 to TH17F021	TH19F815 to TH19F999	TH20F000 to TH20F011
TH41F965 to TH41F999	TH42F000 to TH42F169	TH45F128 to TH45F704	TH46F013 to TH46F393
TH47F097 to TH47F286	TH47F411 to TH47F766	TH49F708 to TH49F853	TH50F440 to TH50F729
TH51F020 to TH51F195	TH51F208 to TH51F346	TH51F449 to TH51F617	TH52F577 to TH52F758
TH54F987 to TH54F999	TH55F000 to TH55F186	TH56F714 to TH56F838	TH56F955 to TH56F999
TH57F000 to TH57F127	TH57F388 to TH57F558	TH57F603 to TH57F779	TH57F791 to TH57F974
TH58F230 to TH58F426	TH58F803 to TH58F929	TH58F977 to TH58F999	TH59F000 to TH59F141
TH59F219 to TH59F395	TH61F292 to TH61F489	TH65F152 to TH65F326	TH70F250 to TH70F408