

PRATT & WHITNEY CANADA  
**SERVICE BULLETIN**

P&WC S.B. No. 41106R1

**BULLETIN INDEX LOCATOR**  
**77-20-01**

TURBOSHAFT ENGINE  
T1 SENSOR WIRING HARNESS - INSPECTION/REPLACEMENT OF

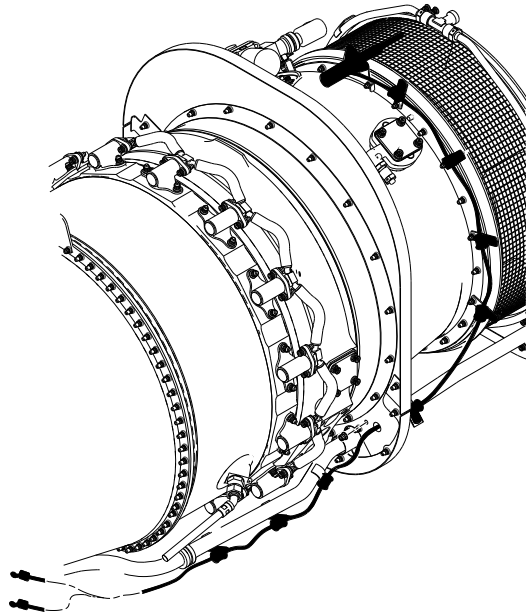
MODEL APPLICATION

PT6C-67C, PT6C-67C1

Commercial Support Program No: 1009337

Compliance: CATEGORY 3

Summary: Some T1 Sensor Wiring Harnesses may have electrical wire soldering that is not optimum.



Nov 03/2023  
Revision No. 1: Nov 20/2023

**PT6C-77-41106**  
Cover Sheet

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Nov 20/2023

P&WC S.B. No. 41106R1

REVISION TRANSMITTAL SHEET  
TURBOSHAFT ENGINE MODEL PT6C

SUBJECT: Pratt & Whitney Canada Service Bulletin No. PT6C-77-41106, Rev. No. 1 dated Nov 20/2023 (P&WC S.B. No. 41106R1) T1 SENSOR WIRING HARNESS - 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 Destroy the superseded copy.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:

- add the PT6C-67C1 engine model;
- update Para. 1.A., Effectivity with the latest engine serial number information and to add the PT6C-67C1 engine model; and
- update Para. 1.E., Compliance to clarify the applicability of the Category 3 statement.

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: Nov 03/2023

Revision No. 1: Nov 20/2023



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TURBOSHAFT ENGINE  
T1 SENSOR WIRING HARNESS - INSPECTION/REPLACEMENT OF

1. Planning Information

A. Effectivity

PT6C-67C Engines Serial Numbers PCE-KB2415 to PCE-KB2421, PCE-KB2423 to PCE-KB2443, PCE-KB2446 to PCE-KB2451, PCE-KB2616, PCE-KB2621 to PCE-KB2623, PCE-KB2625 to PCE-KB2650, PCE-KB2652 to PCE-KB2655, PCE-KB2657 to PCE-KB2663, PCE-KB2665 to PCE-KB2669, PCE-KB2671 to PCE-KB2672, PCE-KB2674, PCE-KB2677, PCE-KB2679 to PCE-KB2683, PCE-KB2685 to PCE-KB2704, PCE-KB2706 to PCE-KB2715 and PCE-KB2719 and T1 Sensor Harness P/N 3049261-04 with Serial Number listed in Table 1.

PT6C-67C1 (BS1447, BS1448) Engines with a Sensor Harness P/N 3049261 with a serial number listed in Table 1.

Any T1 Sensor Harness P/N 3049261-04 on a Repaired or Overhauled engine and/or a spare sensor that was ordered between January 2020 - December 2022 that has a serial number listed in Table 1.

NOTE: A T1 Sensor Harness reidentified with RE32 meets the intent of this service bulletin and does not need to be replaced.

B. Concurrent Requirements

None.

C. Reason

(1) Problem

Soldering of electrical wires not optimum.

(2) Cause

Change of manufacturer location.

(3) Solution

Replace the T1 Sensor Wiring Harness from the suspected engine or batch as required.

D. Description

Do an inspection of the T1 Sensor Wiring Harness.

E. Compliance

**For Engines with a T1 Sensor that has less than 400 Flight Hours:**

CATEGORY 3 - P&WC recommends to do this service bulletin within the next first year from the date of issue of this service bulletin. Do all spares.

P&WC No. EC-0080796, ETI-0081984

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TURBOSHAFT ENGINE  
T1 SENSOR WIRING HARNESS - INSPECTION/REPLACEMENT OF

1. Planning Information (Cont'd)

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

Once you have access to the part, an estimate of 8 man-hours is required to include this service bulletin at repair.

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

H. Weight and Balance

None.

I. Electrical Load Data

Not applicable.

J. Software Accomplishment Summary

Not applicable.

K. References

Illustrated Parts Catalog P/N [3045334](#) (PT6C-67C/C1)

Maintenance Manual P/N [3045332](#) (PT6C-67C/C1)

Overhaul Manual P/N [3045333](#) (PT6C-67C/C1)

L. Publications Affected

Not Applicable

M. Interchangeability and Intermixability of Parts

Not Applicable

2. Material Information

A. Industry Support Information

Refer to Commercial Support Program Notification (CSPN) 1009337.

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TURBOSHAFT ENGINE  
T1 SENSOR WIRING HARNESS - INSPECTION/REPLACEMENT OF

2. Material Information (Cont'd)

B. Material - Price and Availability

Not Applicable

C. Material Necessary for Each Engine

Not Applicable

D. Reidentified Parts

None.

E. Tooling - Price and Availability

Not Applicable

3. Accomplishment Instructions

A. Do an inspection of the T1 Sensor Wiring Harness Serial Number. If the serial number is within the Table 1 and not reidentified with "RE32", do as follows:

(1) Remove the T1 Sensor Wiring Harness P/N 3049261-04 in accordance with the maintenance or overhaul manual instructions:

Ref. MM 77-20-01.

Ref. OHM 72-00-00 ENGINE - DISASSEMBLY-1.

(2) Removed part should be mutilated, pictures required of Part number and serial number and the mutilation on part.

(3) Send picture to the email found on the feedback form.

(4) Install new T1 Sensor Wiring Harness or reidentified T1 Sensor Wiring Harness with "RE32" in accordance with the maintenance or overhaul manual instructions:

- Ref. MM 77-20-01.

- Ref. OHM 72-00-00 FINAL ASSEMBLY.

B. Record the accomplishment of P&WC S.B. No. SB41106 in the applicable engine module log book.

4. Appendix

Refer to Fig. 1 for the feedback form.

Refer to Table 1 for the suspected Sensor P/N 3049261-04 Serial Numbers.

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TURBOSHAFT ENGINE  
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**INSPECTION FEEDBACK FORM**

TO:  
PRATT & WHITNEY CANADA  
E-mail: pwchelo@pwc.ca  
or Fax: 450-647-9597

OPERATOR NAME: \_\_\_\_\_

DATE: \_\_\_\_\_ (DAY/MONTH/YEAR)

ENGINE MODEL: \_\_\_\_\_

ENGINE SERIAL NUMBER: \_\_\_\_\_

T1 SENSOR PART NUMBER: \_\_\_\_\_

T1 SENSOR SERIAL NUMBER: \_\_\_\_\_

**NOTE: Provide pictures of the T1 sensor part number and serial number and provide evidence of the mutilation of the part.**

ICN-00198-G000134979-001-01

Feedback Form  
Figure 1

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4. Appendix (Cont'd)

TABLE 1, Suspected T1 Sensor P/N  
3049261-04 Serial Numbers

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Suspected Serial Numbers

EMA3D526578 to EMA3D526582

EMA3D526761 to EMA3D526765

EMA3D527089 to EMA3D527093

EMA3D527098 to EMA3D527102

EMA3D527808 to EMA3D527822

EMA3D528017 to EMA3D528021

EMA3D528251 to EMA3D528260

EMA3D528578 to EMA3D528587

EMA3D528840 to EMA3D528849

EMA3D528931 to EMA3D528935

EMA534866 to EMA534885

EMA535372 to EMA535386

EMA535769 to EMA535785

EMA536217 to EMA536231

EMA536872 to EMA536891

EMA536993 to EMA536997

EMA537164 to EMA537168

EMA537239 to EMA537258

EMA538060 to EMA538079

EMA539223 to EMA539257

EMA540349 to EMA540368

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4. Appendix (Cont'd)

TABLE 1, Suspected T1 Sensor P/N  
3049261-04 Serial Num-  
bers (Cont'd)

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Suspected Serial Numbers

EMA540927 to EMA540956

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