

PRATT & WHITNEY CANADA
SERVICE BULLETIN

P&WC S.B. No. 41106

BULLETIN INDEX LOCATOR
77-20-01

TURBOSHAFT ENGINE
T1 SENSOR WIRING HARNESS - INSPECTION/REPLACEMENT OF

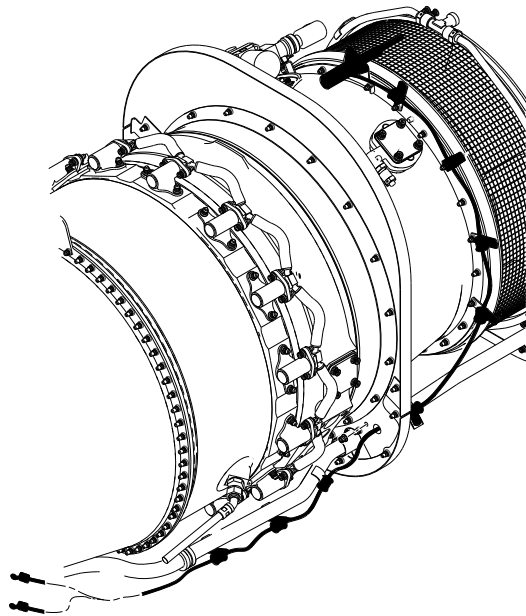
MODEL APPLICATION

PT6C-67C

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

PT6C-77-41106
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.

PRATT & WHITNEY CANADA
SERVICE BULLETIN

P&WC S.B. No. 41106

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-KB2445 to PCE-KB2451, PCE-KB2616, PCE-KB2621 to PCE-KB2623, PCE-KB2625 to PCE-KB2650, PCE-KB2652 to KB2655, PCE-KB2657 to PCE-KB2663, PCE-KB2665 to PCE-KB2672, PCE-KB2674, PCE-KB2676, PCE-KB2677, PCE-KB-2679 to PCE-KB2683, PCE-KB2685 to PCE-KB2704, PCE-KB2706 to PCE-KB2715, PCE-KB2719, PCE-KB2734, PCE-KB2735, PCE-KB2740, PCE-KB2741, PCE-KB2743, PCE-KB2744, PCE-KB2757, PCE-KB2765 and T1 Sensor Harness P/N 3049261-04 with Serial Number listed in Table 1.
- T1 Sensor Harness P/N 3049261-04 Repaired/Overhauled engine and/or a spare that was ordered between January 2020 - December 2022.

NOTE: A T1 Sensor Harness reidentified with RE32 meets the intent of this service bulletin.

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 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

Nov 03/2023

P&WC Proprietary Information. Subject to the restrictions on the back of the locator
© 2023 Pratt & Whitney Canada Corp.
PRINTED IN CANADA

PT6C-77-41106
Page 1 of 5

PRATT & WHITNEY CANADA
SERVICE BULLETIN

P&WC S.B. No. 41106

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.

PRATT & WHITNEY CANADA
SERVICE BULLETIN

P&WC S.B. No. 41106

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 Serial Numbers suspected.

PRATT & WHITNEY CANADA
SERVICE BULLETIN

P&WC S.B. No. 41106

TURBOSHAFT ENGINE
T1 SENSOR WIRING HARNESS - INSPECTION/REPLACEMENT OF

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

Nov 03/2023

P&WC Proprietary Information. Subject to the restrictions on the back of the locator

PT6C-77-41106
Page 4 of 5

PRATT & WHITNEY CANADA
SERVICE BULLETIN

P&WC S.B. No. 41106

TURBOSHAFT ENGINE
T1 SENSOR WIRING HARNESS - INSPECTION/REPLACEMENT OF

4. Appendix (Cont'd)

TABLE 1, T1 Sensor P/N 3049261-04

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

EMA540927 to EMA540956
