

PRATT & WHITNEY CANADA  
**SERVICE BULLETIN**

P&WC S.B. No. 28373

**BULLETIN INDEX LOCATOR**  
**77-10-01**

TURBOSHAFT ENGINE  
T1 SENSOR WIRING HARNESS - INSPECTION/REPLACEMENT OF

MODEL APPLICATION

PW206B2, PW206B3, PW206C, PW206E, PW207C, PW207D, PW207D1, PW207D2, PW207E,  
PW207K

Commercial Support Program No: 1009337

Compliance: CATEGORY 3

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

Dec 21/2023

**PW200-77-28373**  
Cover Sheet

<i>24-Hour Global Service</i>	<i>USA &amp; CANADA..... 1-800-268-8000</i>	<i>Other..... 1-450-647-8000</i>
<b>CFIRST CENTRE</b>	<i>International ..... (IAC*)+8000-268-8000</i>	<i>Fax..... 1-450-647-2888</i>
<i>Toll free where available (SIL GEN-027)</i>	<i>* International Access Code</i>	<i>Web Site..... www.pwc.ca</i>

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P&WC S.B. No. 28373

## TURBOSHAFT ENGINE

### T1 SENSOR WIRING HARNESS - INSPECTION/REPLACEMENT OF

#### 1. Planning Information

##### A. Effectivity

PW206B2 Engines Serial Numbers PCE-BJ1440 to BJ1443, BJ1467 to BJ1485.  
PW206B3 Engines Serial Numbers PCE-BR0134 to BR0137, BR0140, BR0144, BR0180 to BR0203, BR0205 to BR0206, BR0208, BR0211 to BR0214.  
PW206C Engines Serial Numbers PCE-BC1015 to BC1018.  
PW207C Engines Serial Numbers PCE-BH1031 to BH1040, BH1067 to BH1068, BH1070, BH1072 to BH1088 .  
PW207D1 Engines Serial Numbers PCE-BL0834 to BL0851, BL0857 to BL0860, BL0873, BL0924, BL0929, BL0942 to BL0957, BL0959 to BL0975, BL0977 to BL0979, BL0982 to BL0986, BL0988 to BL0989, BL0991 to BL0995, BL1000 to BL1001 .  
PW207E Engines Serial Numbers PCE-BG0186 to BG0187.  
PW207K Engines Serial Numbers PCE-BK0324 to BK0339, BK0380 to BK0386.  
All other PW206B2, PW206B3, PW206C, PW206E, PW207C, PW207D, PW207D1, PW207D2, PW207E, PW207K Engines in Field that had T1 Sensor Harness P/N 3113579-04 with a serial number listed in Table 1.  
Any T1 Sensor Harness P/N 3113579-04 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.

P&WC No. EC-00807957

Dec 21/2023

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**PW200-77-28373**  
Page 1 of 7

PRATT & WHITNEY CANADA  
**SERVICE BULLETIN**

P&WC S.B. No. 28373

TURBOSHAFT ENGINE  
T1 SENSOR WIRING HARNESS - INSPECTION/REPLACEMENT OF

1. Planning Information (Cont'd)

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.

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 [3038326](#) (PW206A/206E)

Illustrated Parts Catalog P/N [3049725](#) (PW207E)

Illustrated Parts Catalog P/N [3039734](#) (PW206B)

Illustrated Parts Catalog P/N [3054928](#) (PW206B2/206B3)

Illustrated Parts Catalog P/N [3043324](#) (PW206C)

Illustrated Parts Catalog P/N [3054927](#) (PW207C)

# PRATT & WHITNEY CANADA

# SERVICE BULLETIN

P&WC S.B. No. 28373

## TURBOSHAFT ENGINE

### T1 SENSOR WIRING HARNESS - INSPECTION/REPLACEMENT OF

#### 1. Planning Information (Cont'd)

- Illustrated Parts Catalog P/N [3049724](#) (PW207D)
- Illustrated Parts Catalog P/N [3071604](#) (PW207D1/207D2)
- Illustrated Parts Catalog P/N [3077164](#) (PW207D2M)
- Illustrated Parts Catalog P/N [3053374](#) (PW207K)
- Maintenance Manual P/N [3038324](#) (PW206A/206E/207E)
- Maintenance Manual P/N [3039732](#) (PW206B/206B2/206B3)
- Maintenance Manual P/N [3043322](#) (PW206C/207C)
- Maintenance Manual P/N [3043612](#) (PW207D)
- Maintenance Manual P/N [3071602](#) (PW207D1/207D2)
- Maintenance Manual P/N [3053372](#) (PW207K)
- Overhaul Manual P/N [3038325](#) (PW206A/206E/207E)
- Overhaul Manual P/N [3039733](#) (PW206B/206B2/206B3)
- Overhaul Manual P/N [3043323](#) (PW206C/207C)
- Overhaul Manual P/N [3043613](#) (PW207D)
- Overhaul Manual P/N [3071603](#) (PW207D1/207D2)
- Overhaul Manual P/N [3053373](#) (PW207K)

#### 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. 28373

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 3113579-04 in accordance with the maintenance or overhaul manual instructions:

Ref. MM 77-21-00.

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 77-21-00.

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

B. Record the accomplishment of P&WC S.B. No. SB28373 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. 28373

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

PRATT & WHITNEY CANADA  
**SERVICE BULLETIN**

P&WC S.B. No. 28373

TURBOSHAFT ENGINE  
T1 SENSOR WIRING HARNESS - INSPECTION/REPLACEMENT OF

4. Appendix (Cont'd)

TABLE 1, T1 Sensor P/N 3113579-04

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Suspected Serial Numbers

EMA3D526786-EMA3D526795

EMA3D527295-EMA3D527304

EMA3D527744-EMA3D527763

EMA3D527789

EMA3D528222-EMA3D528231

EMA3D528429-EMA3D528438

EMA3D528568-EMA3D528577

EMA3D528875-EMA3D528884

EMA534406

EMA534554-EMA534563

EMA534681-EMA534690

EMA534739-EMA534768

EMA535136-EMA535140

EMA535199-EMA535208

EMA535387-EMA535388

EMA535749-EMA535768

EMA536187-EMA536211

EMA537073-EMA537082

EMA538035-EMA538054

EMA539119-EMA539146

EMA540329-EMA540348

EMA540907-EMA540926

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4. Appendix (Cont'd)

TABLE 1, T1 Sensor P/N  
3113579-04 (Cont'd)

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Suspected Serial Numbers

EMA541463-EMA541482

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