

PRATT & WHITNEY CANADA  
**SERVICE BULLETIN**

P&WC S.B. No. 28251R3

**BULLETIN INDEX LOCATOR**  
**73-11-40**

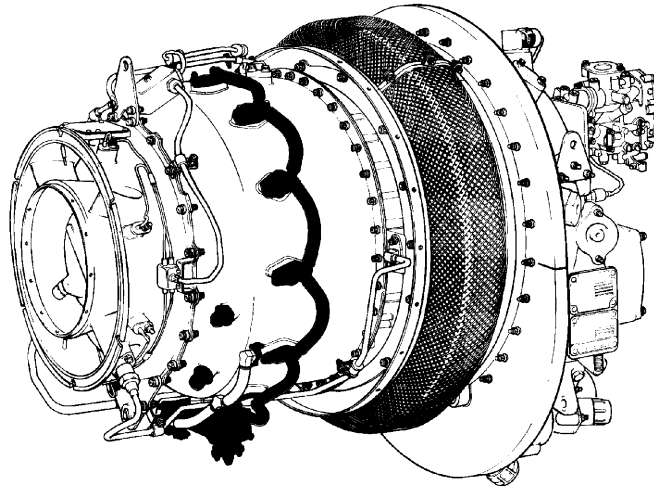
TURBOSHAFT ENGINE  
AIRBLAST FUEL NOZZLES - MODIFICATION/REPLACEMENT OF

MODEL APPLICATION

PW206B, PW206B2, PW206C, PW207D, PW207E

Compliance: CATEGORY 3

Summary: Replace the airblast fuel nozzles with similar ones which have a redefined corner on the preformed packing recess, to retain the preformed packing properly and ease the assembly with the fuel manifold.



Jan 27/2004  
Revision No. 3: Apr 04/2024

**PW200-72-28251**  
Cover Sheet

24-Hour Global Service <b>CFIRST CENTRE</b> 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 ..... <a href="http://www.pwc.ca">www.pwc.ca</a>
---	---	---

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.



04 April 2024

P&WC S.B. No. 28251R3

REVISION TRANSMITTAL SHEET  
TURBOSHAFT ENGINE MODEL PW200

SUBJECT: Pratt & Whitney Canada Service Bulletin No. PW200-72-28251, Rev. No. 3, dated Apr 04/2024 (P&WC S.B. No. 28251R3) AIRBLAST FUEL NOZZLES - MODIFICATION/ 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:

- update the equivalent supplier P/N in Para. 2.C., and in Para. 2.D., Material Information,
- update the Parts Progression in Figure 1 in Para. 4., Appendix, and
- update pricing to current year.

EFFECT OF REVISION ON PRIOR ACCOMPLISHMENT:

None.

NOTE: A black bar in the left margin indicates a change in that line of text or figure.

REVISION HISTORY:

Original Issue: Jan 27/2004  
Revision No. 1: Jul 02/2009  
Revision No. 2: Oct 30/2013  
Revision No. 3: Apr 04/2024



PRATT & WHITNEY CANADA  
**SERVICE BULLETIN**

P&WC S.B. No. 28251R3

TURBOSHAFT ENGINE  
AIRBLAST FUEL NOZZLES - MODIFICATION/REPLACEMENT OF

1. Planning Information

A. Effectivity

PW206B Engines Post-SB28237 which are before and include Serial No. PCE-BB0126.  
PW206B2 Engines which are before and include Serial No. PCE-BJ0157.  
PW206C Engines Post-SB28237 which are before and include Serial No. PCE-BC0450.  
PW207D Engines which are before and include Serial No. PCE-BF0098.  
PW207E Engines which are before and include Serial No. PCE-BG0104.

NOTE: The above effectivity list does not identify engines that have been converted from one engine model to another via an engine conversion service bulletin. To clarify the effectivity of converted engines, refer to the original engine effectivity above. For the parts embodied during the engine conversion, refer to conversion service bulletin.

B. Concurrent Requirements

None.

C. Reason

(1) Problem

The preformed packing on the airblast fuel nozzle may fall out of it's recess during assembly.

(2) Cause

The corner of the recess may have a larger chamfer than necessary.

(3) Solution

Replace the airblast fuel nozzles with similar ones which have a redefined corner on the preformed packing recess.

D. Description

Replace the airblast fuel nozzles with similar ones.

NOTE: For logistic purposes, all nozzles sent to P&WC for cleaning, in accordance with maintenance manual requirements, will be upgraded to post P&WC S.B. No. 28251 configuration at no additional cost.

E. Compliance

CATEGORY 3 - P&WC recommends to do this service bulletin within the next 800 flight hours.

■ P&WC No. D4576B, D4576E, DCR4715, DCR19235, DCR29433

Jan 27/2004  
Revision No. 3: Apr 04/2024

P&WC Proprietary Information. Subject to the restrictions on the back of the locator  
© 2004 Pratt & Whitney Canada Corp.  
PRINTED IN CANADA

**PW200-72-28251**  
Page 1 of 7

PRATT & WHITNEY CANADA  
**SERVICE BULLETIN**

P&WC S.B. No. 28251R3

TURBOSHAFT ENGINE  
AIRBLAST FUEL NOZZLES - MODIFICATION/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 1.5 man-hours is required to include this service bulletin at maintenance.

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

H. Weight and Balance

None.

I. Electrical Load Data

Not changed.

J. Software Accomplishment Summary

Not applicable.

K. References

Illustrated Parts Catalog P/N 3039734 ( PW206B)  
Illustrated Parts Catalog P/N 3054928 ( PW206B2)  
Illustrated Parts Catalog P/N 3043324 ( PW206C)  
Illustrated Parts Catalog P/N 3049724 ( PW207D)  
Illustrated Parts Catalog P/N 3049725 ( PW207E)  
Maintenance Manual P/N 3039732 (PW206B/206B2)  
Maintenance Manual P/N 3043322 ( PW206C)  
Maintenance Manual P/N 3043612 ( PW207D)  
Maintenance Manual P/N 3038324 ( PW207E)  
Overhaul Manual P/N 3039733 (PW206B/206B2)  
Overhaul Manual P/N 3043323 (PW206C)  
Overhaul Manual P/N 3043613 (PW207D)  
Overhaul Manual P/N 3038325 (PW207E)

L. Publications Affected

Illustrated Parts Catalog P/N 3039734 ( PW206B)  
Illustrated Parts Catalog P/N 3054928 ( PW206B2)  
Illustrated Parts Catalog P/N 3043324 ( PW206C)

# PRATT & WHITNEY CANADA SERVICE BULLETIN

P&WC S.B. No. 28251R3

## TURBOSHAFT ENGINE AIRBLAST FUEL NOZZLES - MODIFICATION/REPLACEMENT OF

1. Planning Information (Cont'd)

Illustrated Parts Catalog P/N 3049724 ( PW207D)  
Illustrated Parts Catalog P/N 3049725 ( PW207E)

M. Interchangeability and Intermixability of Parts

Interchangeability - Refer to Para. 2.C.

Intermixability - Not changed.

2. Material Information

A. Industry Support Information

For logistic purposes, all nozzles sent to P&WC for cleaning, in accordance with maintenance manual requirements, will be upgraded to post P&WC S.B. No. 28251 configuration at no additional cost.

B. Material - Cost 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 Disposition</u>
	Nozzle, Fuel, Air Blast	3056565-02	7		(A)(B)(C)(D)
3056565-03	Nozzle, Fuel, Air Blast Equivalent to Supplier P/N 147624		7	9755.30	(A)(C)

**Standard Replacement Parts At Field Level:**

**Fuel Manifold:**

AS3209-010	Packing, Preformed	AS3209-010	2	1.59	(E)
------------	--------------------	------------	---	------	-----

Jan 27/2004  
Revision No. 3: Apr 04/2024

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

**PW200-72-28251**  
Page 3 of 7

# PRATT & WHITNEY CANADA SERVICE BULLETIN

P&WC S.B. No. 28251R3

## TURBOSHAFT ENGINE AIRBLAST FUEL NOZZLES - MODIFICATION/REPLACEMENT OF

<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 Disposition</u>
3117753-01	Gasket	3117753-01	2	87.55	(E)
3056068-01	Gasket, Fuel Nozzle	3056068-01	11	40.91	(E)
<b>Rear Fuel Pressure Tube:</b>					
AS3209-010	Packing, Preformed	AS3209-010	1	1.59	(E)
AS3209-012	Packing, Preformed	AS3209-012	2	2.22	(E)
3117753-01	Gasket	3117753-01	1	87.55	(E)
<b>Flow Divider:</b>					
3056068-01	Gasket, Fuel Nozzle	3056068-01	1	40.91	(E)
<b>Airblast Fuel Nozzles:</b>					
AS3209-012	Packing, Preformed	AS3209-012	7	2.22	(E)
3056068-01	Gasket, Fuel Nozzle	3056068-01	7	40.91	(E)
<b>Hybrid Fuel Nozzles:</b>					
AS3209-010	Packing, Preformed	AS3209-010	10	1.59	(E)
3056068-01	Gasket, Fuel Nozzle	3056068-01	5	40.91	(E)

- (A) RESTRICTED INTERCHANGEABILITY - (ATA 200 Explanation Code 07): All the old parts must be replaced by all the new parts as an assembly.
- (B) Discard the part if it is unserviceable. Return a serviceable part to stock.
- (C) To get the new part it is possible to make a modification to the old part, or you can get the new part from any Pratt & Whitney Canada Distribution Center.
- (D) Return the old part(s) to:

Pratt & Whitney Canada Component Solutions Inc.  
Accessories Services  
7007 Chemin de la Savane  
St-Hubert Quebec  
Canada J3Y 3X7

or

Pratt & Whitney Canada Component Solutions Inc.  
4905 Stariha Drive  
Muskegon Michigan 49441  
USA



# PRATT & WHITNEY CANADA SERVICE BULLETIN

P&WC S.B. No. 28251R3

## TURBOSHAFT ENGINE AIRBLAST FUEL NOZZLES - MODIFICATION/REPLACEMENT OF

<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 Disposition</u>
(E)	Discard				

D. Reidentified Parts

The following list of parts can be reworked:

<u>OLD P/N</u>	<u>NEW P/N</u>
P&WC P/N 3056565-02	P&WC P/N 3056565-03

E. Tooling - Price and Availability

Not applicable.

3. Accomplishment Instructions

A. Remove the parts listed under old P/N in Para. 2.C., Material Information, in accordance with the maintenance manual or overhaul manual instructions as follows:

- Ref. MM 73-11-40 FUEL MANIFOLDS AND FUEL NOZZLES - MAINTENANCE PRACTICES.
- Ref. OHM 72-01-00 ENGINE EXTERNALS (PW206C) - DISASSEMBLY-1.
- Ref. OHM 72-01-00 ENGINE EXTERNALS (PW206B) - DISASSEMBLY-1.
- Ref. OHM 72-01-10 ENGINE EXTERNALS (PW206B2/PW206B3) - DISASSEMBLY-1.
- Ref. OHM 72-01-00 ENGINE EXTERNALS - DISASSEMBLY-1 (For Engines PW207D).
- Ref. OHM 72-01-10 ENGINE EXTERNALS (PW207E) - DISASSEMBLY-1.

B. Return Old serviceable part(s) for modification in accordance with Para. 2.C.

C. Install the parts listed under New P/N in Para. 2.C., Material Information, in accordance with the maintenance manual or overhaul manual instructions as follows:

- Ref. MM 73-11-40 FUEL MANIFOLDS AND FUEL NOZZLES - MAINTENANCE PRACTICES.
- Ref. OHM 72-01-00 ENGINE EXTERNALS (PW206C) - ASSEMBLY-1.
- Ref. OHM 72-01-00 ENGINE EXTERNALS (PW206B) - ASSEMBLY-1.
- Ref. OHM 72-01-10 ENGINE EXTERNALS (PW206B2/PW206B3) - ASSEMBLY.

PRATT & WHITNEY CANADA  
**SERVICE BULLETIN**

P&WC S.B. No. 28251R3

TURBOSHAFT ENGINE  
AIRBLAST FUEL NOZZLES - MODIFICATION/REPLACEMENT OF

3. Accomplishment Instructions (Cont'd)

- Ref. OHM 72-01-00 ENGINE EXTERNALS - ASSEMBLY-1 (For Engines PW207D).
- Ref. OHM 72-01-10 ENGINE EXTERNALS (PW207E) - ASSEMBLY.

D. Write accomplishment of P&WC S.B. No. 28251 in the engine module log book.

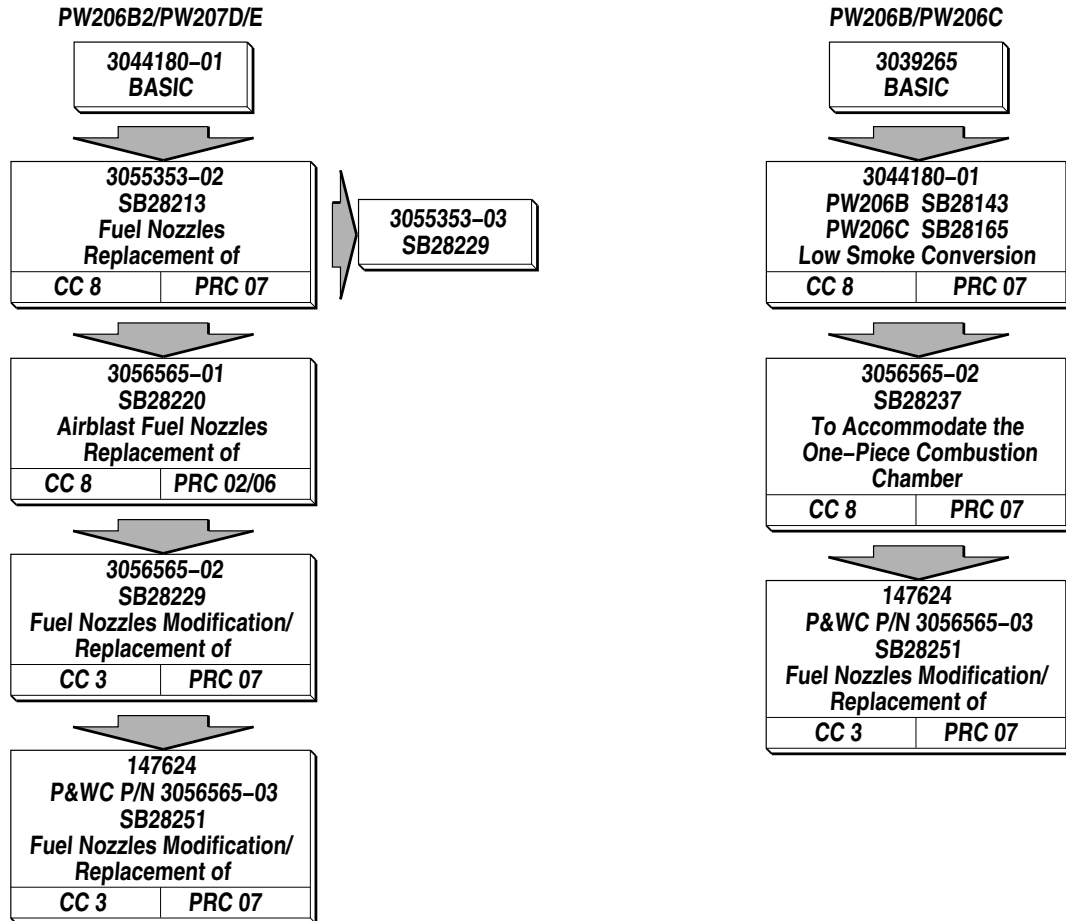
4. Appendix

A. Refer to Figure 1 for the progression of the parts.

# PRATT & WHITNEY CANADA SERVICE BULLETIN

P&WC S.B. No. 28251R3

## TURBOSHAFT ENGINE AIRBLAST FUEL NOZZLES - MODIFICATION/REPLACEMENT OF



C210328

Airblast Fuel Nozzles Parts Progression  
Figure 1