

PRATT & WHITNEY CANADA
SERVICE BULLETIN

P&WC S.B. No. 41112R1

BULLETIN INDEX LOCATOR
73-20-00

TURBOSHAFT ENGINE
FUEL MANAGEMENT MODULE (FMM) - REPLACEMENT/MODIFICATION OF

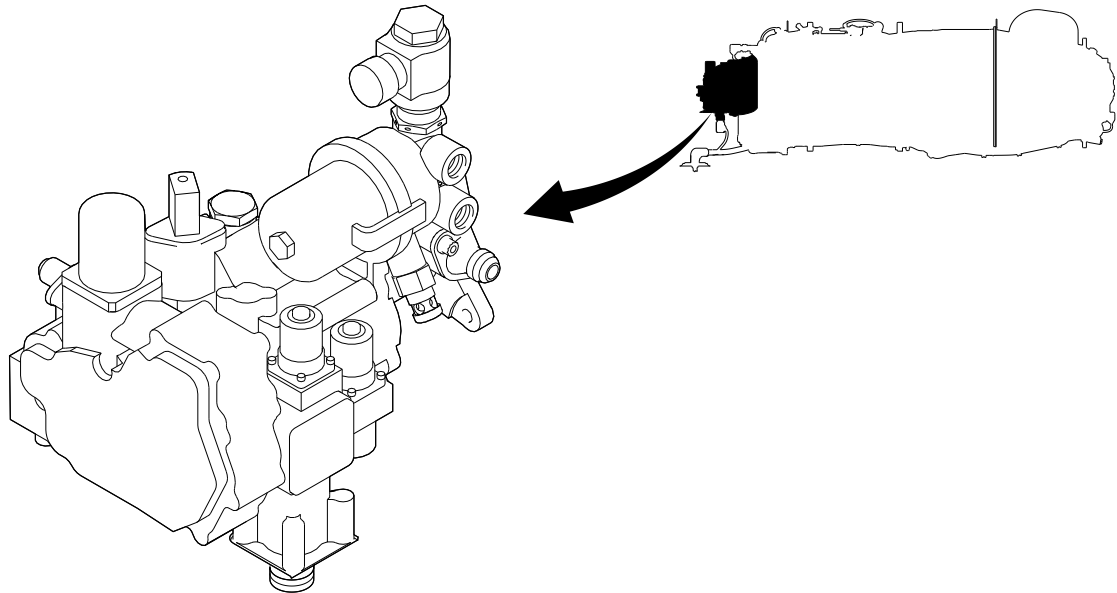
MODEL APPLICATION

PT6C-67C, PT6C-67C1

Compliance: CATEGORY 7

Summary: There is an opportunity to introduce a new Fuel Management Module (FMM) which has:

- a new fuel pump assembly;
- modified machining of the triple function switch port; and
- a bonded locating pin to replace the press fit pin at the fuel inlet fitting.



Feb 25/2019
Revision No. 1: Jun 09/2021

PT6C-72-41112
Cover Sheet

24-Hour Global Service

CFIRST CENTRE

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Pratt & Whitney Canada Corp.
1000, Marie-Victorin
Longueuil, Québec, Canada J4G 1A1
Tél. 450-677-9411



Pratt & Whitney Canada

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09 June 2021

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REVISION TRANSMITTAL SHEET
TURBOSHAFT ENGINE MODEL PT6C

SUBJECT: Pratt & Whitney Canada Service Bulletin No. PT6C-72-41112, Rev. No. 1, dated Jun 09/2021 (P&WC S.B. No. 41112R1) FUEL MANAGEMENT MODULE (FMM) - REPLACEMENT/MODIFICATION 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 Destroy the superseded copy.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.

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: Feb 25/2019
Revision No. 1: Jun 09/2021

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TURBOSHAFT ENGINE
FUEL MANAGEMENT MODULE (FMM) - REPLACEMENT/MODIFICATION OF

1. Planning Information

A. Effectivity

PT6C-67C (BS963, BS1019) Engines which are before and include Serial No. PCE-KB2255.

PT6C-67C1 (BS1448) converted Engines (Ref. Post-SB41120).

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

- (a) During cold temperature operation, there can be a discrepancy between the fuel temperature at the outlet of the fuel heater and the reading from the fuel temperature sensor (which is part of the fuel switch).
- (b) Crack may develop on the internal surface of the pump housing next to the press pin located at the fuel inlet fitting.

(2) Cause

- (a) Fuel temperature sensor is not fully exposed to the main stream of fuel.
- (b) Press fit of the pin causing stress on the housing.

(3) Solution

- (a) Replace the FMM with one that has a new fuel pump assembly with modified machining of the fuel switch internal port.
- (b) Bonded locating pin to replace the press fit.

D. Description

Replace the FMM with a new or modified one.

E. Compliance

CATEGORY 7 - You can do this service bulletin when the supply of superseded parts is fully used.

P&WC No. CO-0004580, CO-0006573, CO-0010967

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FUEL MANAGEMENT MODULE (FMM) - REPLACEMENT/MODIFICATION OF

1. Planning Information (Cont'd)

F. Approval

D.O.T./D.A.A. approved.

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

Maintenance Manual P/N 3045332 (PT6C-67C)
Overhaul Manual P/N 3045333 (PT6C-67C)
Illustrated Parts Catalog P/N 3045334 (PT6C-67C)
Woodward SB 74925-73-017

L. Publications Affected

Illustrated Parts Catalog P/N 3045334 (PT6C-67C)
Woodward CMM 73-20-28

M. Interchangeability and Intermixability of Parts

Interchangeability - Refer to Para. 2.C.

Intermixability - Not changed.

2. Material Information

A. Industry Support Information

Not applicable.

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2. Material Information (Cont'd)

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, 2019).

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, 2019)</u>	<u>Instructions Disposition</u>
	Fuel Management Module Supplier (66503) P&WC P/N 3048676-11	8063-1089	1		(A)(C)
8063-1093	Fuel Management Module Supplier (66503) P&WC P/N 3048676-12		1	Quote	(A)(C)
	Fuel Management Module Supplier (66503) P&WC P/N 02R3048676-07	8063-894-02	1		(A)(B)(E)
8063-894-04	Fuel Management Module Supplier (66503) P&WC P/N 04R3048676-07		RWK		(A)(B)
	Fuel Management Module Supplier (66503) P&WC P/N 04R3048676-06	8063-1047-01	1		(A)(B)(E)
8063-1047-02	Fuel Management Module Supplier (66503) P&WC P/N 06R3048676-06		RWK		(A)(B)
	Fuel Management Module Supplier (66503) P&WC P/N 05R3048676-06	8063-893-02	1		(A)(B)(E)
8063-893-04	Fuel Management Module Supplier (66503) P&WC P/N 07R3048676-06		RWK		(A)(B)

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<u>New P/N</u>	<u>Keyword</u>	<u>Old P/N</u>	<u>Qty</u>	<u>Est. Unit List Price (\$US, 2019)</u>	<u>Instructions Disposition</u>
Standard Replacement Parts:					
3116632-01	Gasket, 5.000 Bolt Circle, 4 Hole	3116632-01	1	64.85	(D)
M83485-1-113	Packing, Preformed	M83485-1-113	1	4.01	(D)
ST6202-904	Packing, Preformed	ST6202-904	2	4.06	(D)
ST6202-906	Packing, Preformed	ST6202-906	2	2.62	(D)

- (A) TWO WAY INTERCHANGEABLE - (ATA 200 Explanation Code 02):
The old or the new part can replace the old or the new part.
- (B) To get the new part it is necessary to make a modification to the old part.
- (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) Standard replacement part. Latest at the time of SB issue.
- (E) Return the old part for modification to:

Pratt & Whitney Component Solutions
4905 Stariha Drive
Muskegon MI
USA 49441

D. Reidentified Parts

The following list of parts can be reworked:

<u>OLD P/N</u>	<u>NEW P/N</u>
8063-1089	8063-1093
P&WC P/N 3048676-11	P&WC P/N 3048676-12
8063-894-02	8063-894-04
P&WC P/N 02R3048676-07	P&WC P/N 04R3048676-07
8063-1047-01	8063-1047-02
P&WC P/N 04R3048676-06	P&WC P/N 06R3048676-06
8063-893-02	8063-893-04
P&WC P/N 05R3048676-06	P&WC P/N 07R3048676-06

E. Tooling - Price and Availability

Not applicable.

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3. Accomplishment Instructions

- A. Remove the parts in the Old P/N list in Para. 2.C., Material Information, in accordance with the maintenance or overhaul manual instructions as follows:
- Ref. MM 73-20-00 FUEL MANAGEMENT MODULE - MAINTENANCE PRACTICES.
 - Ref. OHM 72-00-00 ENGINE - DISASSEMBLY-2: ACCESSORY COMPONENTS.
- B. Return Old serviceable part(s) for modification in accordance with Para. 2.C.
- C. Install new or modified parts in the New P/N list in Para. 2.C., Material Information, in accordance with the maintenance or overhaul manual instructions as follows:
- Ref. MM 73-20-00 FUEL MANAGEMENT MODULE - MAINTENANCE PRACTICES.
 - Ref. OHM 72-00-00 FINAL ASSEMBLY-2: ACCESSORY COMPONENTS.
- D. Write the accomplishment of P&WC S.B. No. 41112 in the engine module log book.

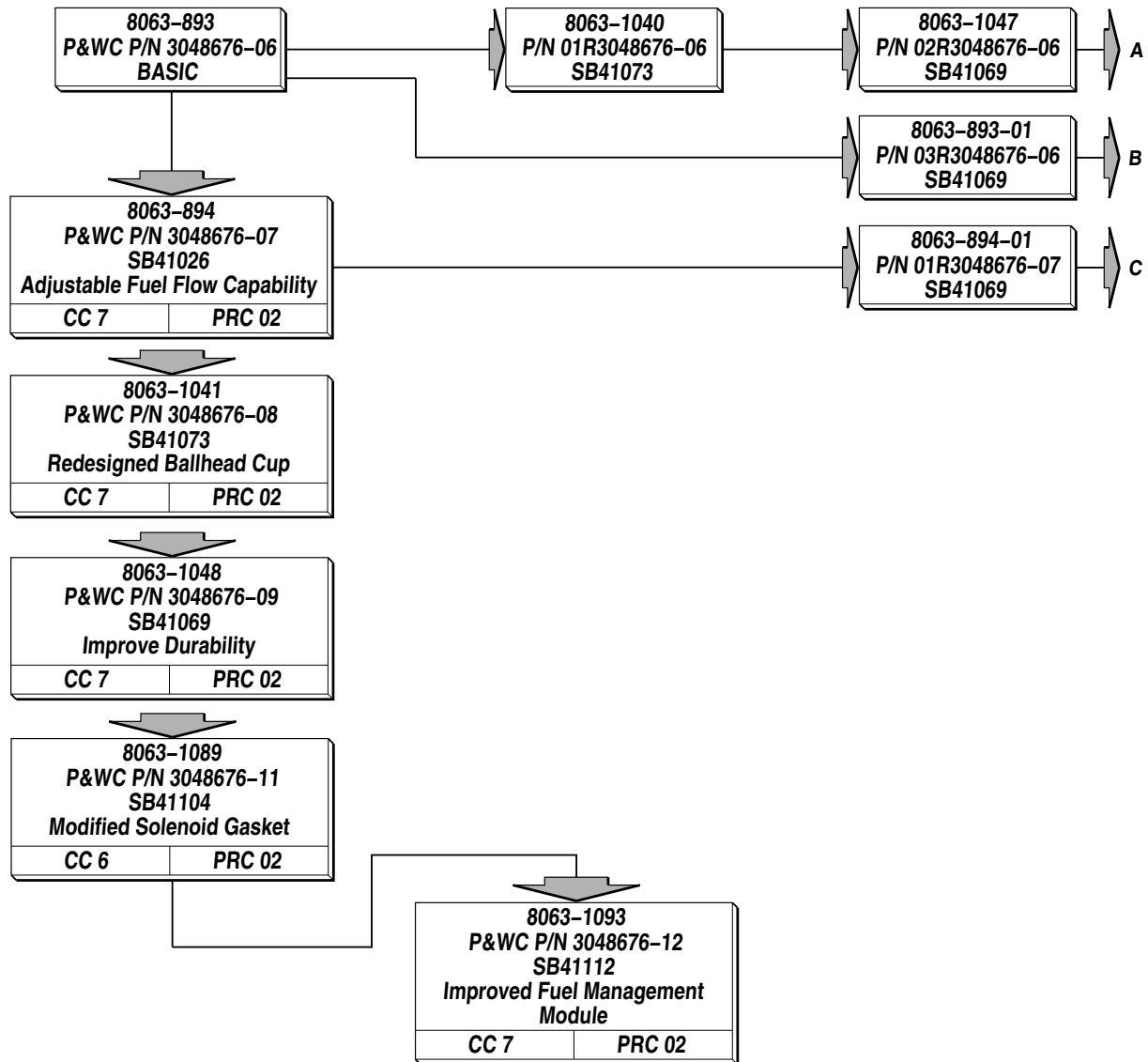
4. Appendix

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

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TURBOSHAFT ENGINE FUEL MANAGEMENT MODULE (FMM) - REPLACEMENT/MODIFICATION OF



ICN-00198-G000023518-001-01

Fuel Management Module - Parts Progression
Figure 1 (Sheet 1 of 2)

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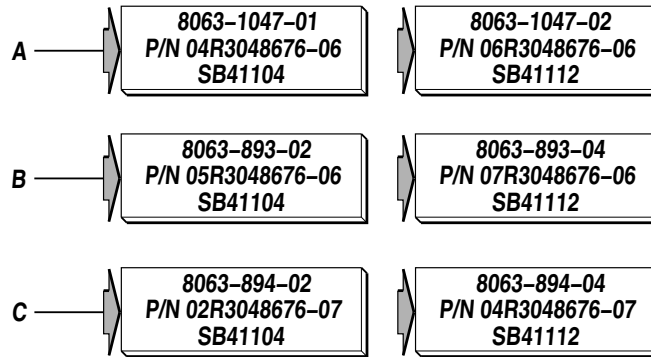
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TURBOSHAFT ENGINE FUEL MANAGEMENT MODULE (FMM) - REPLACEMENT/MODIFICATION OF



ICN-00198-G000023519-001-01

Fuel Management Module - Parts Progression
Figure 1 (Sheet 2)

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