ALERT SERVICE LETTER

TITLE

ENGINE - TRANSMITTAL OF P&WC SERVICE DOCUMENTS - INTERCOMPRESSOR BLEED VALVE/SERVO-VALVE-INSPECTION/REPLACEMENT OF

EFFECTIVITY

<table>
<thead>
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<th>MODEL</th>
<th>SERIAL NUMBERS</th>
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<tr>
<td>560XL (Citation Excel)</td>
<td>-5002 thru -5372</td>
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<tr>
<td>560XL (Citation XLS)</td>
<td>-5501 thru -5830</td>
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REASON

Some PW500 engines have experienced surging and loss of thrust related to the operation of the engine bleed valve servo.

NOTE: Refer to the attached P&WC documents for detailed information.

DESCRIPTION

To transmit the Pratt & Whitney Canada Corp (P&WC) documents as follows:

• P&WC Service Bulletin No. PW500-72-30420
• P&WC Alert Service Bulletin No. PW500-72-A30421R1
• P&WC Commercial Support Program Notification (CSPN) No. 1005303

NOTE: Make sure you must use the latest revision of the P&WC documents.

COMPLIANCE

MANDATORY. Refer to the attached P&WC documents for compliance times.

MANPOWER

<table>
<thead>
<tr>
<th>WORK PHASE</th>
<th>MAN-HOURS</th>
</tr>
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<tr>
<td>Modification</td>
<td>Refer to the P&amp;WC CSPN No. 1005303</td>
</tr>
</tbody>
</table>

Sep 1/2010

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WARRANTY

Eligibility: Refer to the P&WC CSPN No. 1005303

Parts: Authorized Citation Service Facilities, individual operators, or other maintenance facilities may submit a Credit Claim Form for the parts kit(s) required for accomplishment of this service letter, provided the work is completed and the claim submitted by the expiration date shown below.

Labor: Authorized Citation Service Facilities may submit a Credit Claim Form for accomplishment of this service letter, on eligible airplanes, provided the work is completed and the claim submitted by the expiration date shown below.

Expiration: Refer to the P&WC CSPN No. 1005303

REFERENCES

• P&WC Service Bulletin No. PW500-72-30420
• P&WC Alert Service Bulletin No. PW500-72-A30421R1
• P&WC Commercial Support Program Notification No. 1005303

NOTE: Make sure you must use the latest revision of the P&WC documents.

PUBLICATIONS AFFECTED

None

ACCOMPLISHMENT INSTRUCTIONS

1. Do the attached P&WC Alert Service Bulletin PW500-72-30421 Revision 1 or later, Turbofan Engine Intercompressor Bleed Valve/Servo-Valve - Inspection/Replacement of.
   NOTE: Make sure you must use the latest revision of the P&WC documents.

2. Record that this alert service letter has been completed.
   NOTE: This alert service letter cannot be recorded as complete until all actions are complete as outlined in the P&WC Alert Service Bulletin PW500-72-30421 Revision 1 or later.

   A. Complete a Maintenance Transaction Report.
   B. Put a copy of the completed Maintenance Transaction Report in the airplane logbook.
   C. Send a copy of the completed Maintenance Transaction Report to: CESCOM C/O Camp Systems International, 8200 East 34th Street North, Building 1600 Suite 1607 Wichita, KS 67226.
BULLETIN INDEX LOCATOR

75-30-01

TURBOFAN ENGINE
INTERCOMPRESSOR BLEED VALVE/SERVO-VALVE - INSPECTION/REPLACEMENT OF

MODEL APPLICATION
PW530A, PW545A, PW545B

Commercial Support Program No: 1005303
Compliance: 3, 3, 3, 3

Summary: Some PW500 engines have experienced a lack of response to Power Lever Input due to a calibration shift of the servo valve which affects the compressor bleed valve operation. An accelerated replacement schedule (Ref. Para. 1.E. Compliance) is recommended for aircraft with a dual installation of post-SB30343 or post-SB30404 servo valves that have less than 250 hrs. of running time.

Jun 29/2010
Revision No. 1: Aug 27/2010

PW500-72-A30421
Cover Sheet
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VP - Legal Services, Pratt & Whitney Canada Corp., 1000 Marie-Victorin (01BE5), Longueuil, Quebec J4G 1A1.
27 August 2010

P&WC S.B. No. A30421R1

REVISION TRANSMITTAL SHEET
TURBOFAN ENGINE MODEL PW500


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 CSPN program Number.
• clarify test conditions for part “A” in Para. 3. A.
• correct some typo error in Para. 1. E. Compliance.

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: Jun 29/2010
Revision No. 1: Aug 27/2010
1. Planning Information

A. Effectivity

PW530A Engines Post-SB30343 or Post-SB30404.
PW545A Engines Post-SB30343 or Post-SB30404.
PW545B Engines Post-SB30343 or Post-SB30404.

B. Concurrent Requirements

None.

C. Reason

(1) Problem

Some PW500 engines have experienced a lack of response to Power Lever Input.

(2) Cause

A calibration shift of the servo valve which affects the compressor bleed valve operation.

(3) Solution

An accelerated replacement schedule is recommended for aircraft with a dual installation of post-SB30343 or post-SB30404 servo valves that have less than 250 hrs. of running time.

D. Description

Introduction of an accelerated replacement schedule for aircraft with a dual installation of post-SB30343 or post-SB30404 servo valves that have less than 250 hrs. of running time.

E. Compliance

PW545B Pre-SB30311 engines with Post-SB30343 or Post-SB30404 servo valves that have less than 250 hours (TTSN/TTSO) installed on both engines of the same aircraft;

CATEGORY 3 - Do this SB on at least one engine on the aircraft within 15 hours.

PW530A and PW545A engines with Post-SB30343 or Post-SB30404 servo valves that have less than 250 hours (TTSN/TTSO) installed on both engines of the same aircraft;

CATEGORY 3 - Do this SB on at least one engine on the aircraft within 15 hours.
1. Planning Information (Cont'd)

PW545B Post-SB30311 engines with Post-SB30343 or Post-SB30404 servo valves that have less than 250 hours (TTSN/TTSO) installed on both engines of the same aircraft;

CATEGORY 3 - Do this SB on at least one engine on the aircraft within 35 hours.

PW530A, PW545A and PW545B engines with Post-SB30343 or Post-SB30404 servo valves that have less than 250 hours (TTSN/TTSO) installed on only one engine of the same aircraft;

CATEGORY 3 - Do this SB within 150 hours.

NOTE: Incorporation of SB30343 or SB30404 on a Pre-SB servo-valve can only be carried out by overhauling the unit. Therefore, TTSO will accrue based on SB incorporation.

F. Approval

D.A.A. approved

G. Manpower

No more man-hours are necessary 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 30J1114 (PW530A)
Illustrated Parts Catalog P/N 30J1274 (PW545A)
Illustrated Parts Catalog P/N 30J2244 (PW545B)
Maintenance Manual P/N 30J1112 (PW530A)
Maintenance Manual P/N 30J1272 (PW545A)
1. Planning Information (Cont'd)

   Maintenance Manual P/N 30J2242 (PW545B)
   Overhaul Manual P/N 30J1113 (PW530A)
   Overhaul Manual P/N 30J1273 (PW545A)
   Overhaul Manual P/N 30J2243 (PW545B)
   P&WC S.B. No. 30311
   P&WC S.B. No. 30343
   P&WC S.B. No. 30404
   P&WC S.B. No. 30420

L. Publications Affected

   None.

M. Interchangeability and Intermixability of Parts

   Interchangeability - Refer to Para. 2.C.
   Intermixability - Not changed.

2. Material Information

   A. Industry Support Information

      Refer to Commercial Support Program Notification No. 1005303.

   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 $100.79 (US, 2010).

      The new parts are available.
2. **Material Information (Cont’d)**

   C. **Material Necessary for Each Engine**

   The quantity of materials listed in this section is on a per Engine basis.

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<tr>
<th>New P/N</th>
<th>Keyword</th>
<th>Old P/N</th>
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</table>

   (A) Standard replacement part.

D. **Reidentified Parts**

   None.

E. **Tooling - Price and Availability**

   Not applicable.

3. **Accomplishment Instructions**

   A. If the engine is within the compliance categories described above, you must comply with one of the following instructions and report the method of compliance to P&WC using the customer response sheet (Ref. Fig. 1):

   - For engines where the BOV servo valve has accumulated 50 hours or more of running time, P&WC recommends compliance through Part “A”.
   - For engines equipped with a BOV servo valve that has not yet accumulated 50 hours of running time, Part “A” is NOT recommended. Accomplishment is recommended through Part “B” or Part “C” or Part “D”.

   (1) **Part A:**

   Perform the following test procedure. The test procedure shall be run on one engine at a time:

   (a) Prepare the aircraft and workspace as to perform engine run up to T.O. power.

   (b) Disconnect the Bleed Off Valve (BOV) torque motor electrical connector in accordance with the maintenance manual (Ref. 75-30-01, COMPRESSOR BLEED AIR - MAINTENANCE PRACTICES).
3. Accomplishment Instructions (Cont’d)

(c) Ensure the aircraft ECS system (pressurization system) is OFF, or set to the non-test engine.

(d) Ensure zero AGB loading, Alternator and Generator OFF.

(e) Start the engine and stabilize at idle for 5 minutes, ensuring engine oil temperature falls into the acceptable range for operation in accordance with the maintenance manual (Ref. 05-10-00, OPERATING LIMITS AND LEADING PARTICULARS).

(f) Perform a slam acceleration to the N1 target for T.O. for the day. When the N1 target is reached, hold for 30 seconds minimum then slam back to idle. Dwell at idle for 1 minute. Repeat 3 times.

(g) If the engine operates surge free throughout these checks, record installed orifice class in the engine logbook. Proceed to step (i).

(h) If the engine surges, proceed as follows:

1. Perform the secondary orifice adjustment by installing a larger orifice class.
   - If the engine will not make power, reduce the orifice class.

   **NOTE:** Do not adjust orifice by more than 4 class sizes, each class size representing a 0.002 ln. increment in orifice diameter. Start at the largest class size available. Subsequent tests per step (k) below shall not be adjusted outside the four class sizes of the original orifice class found on the engine.

2. Repeat steps (f) and if the engine operates surge free, record both the old and new orifice classes in the engine log book.

(i) If the engine surges with the new secondary orifice, compliance to Part “B” or Part “C” or Part “D” must be accomplished.

(j) Reconnect the BOV Torque motor electrical connector in accordance with the maintenance manual (Ref. 75-30-01, COMPRESSOR BLEED AIR - MAINTENANCE PRACTICES).

(k) Compliance to Part “A” shall be repeated along the following intervals:

   - For engines equipped with a servo valve that has less than 100 hours, repeat this test every 25 hours.
   - For engines equipped with a servo valve that has 100 hours or more, repeat this test every 50 hours.
3. Accomplishment Instructions (Cont’d)

- For engines with a servo valve that exceeds 250 hrs following successful accomplishment of the test at least once, repeated testing is no longer required.
- In the event a servo valve is found to be unserviceable by failing to pass this test procedure, then compliance shall be accomplished through Part “B” or Part “C” or Part “D”.

B. Part B:
Accomplish the intent of P&WC SB No. 30420.

C. Part C:
Install a Servo Valve to SB30343 or SB30404 configuration with TTSN/TTSO greater than 250 hours.

D. Part D:
De-Mod the engine and install a Pre-SB30343 Servo Valve.

E. Write accomplishment of P&WC S.B. No. 30421 Part “A” or Part “B” or Part “C” or Part “D” in the applicable engine module log book.

4. Appendix
Not applicable.
Please report the method of compliance employed, along with relevant information:

- **PART A** — Perform BOV servo valve check (use "servo valve installed" block in table below following successful check to report orifice classes removed/installed as applicable).
- **PART B** — Accomplished intent of SB 30420
- **PART C** — Installed a Post-SB30343 servo valve with TTSN greater than 250 hours
- **PART D** — Installed a Pre-SB30343 servo valve

**Date of SB incorporation:** ________________________________
**Aircraft Registration Number:** ________________________________
**Aircraft Serial Number:** ________________________________

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<tr>
<td>Orifice Class:</td>
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Customer Response Sheet
Figure 1
BULLETIN INDEX LOCATOR
75-30-01

TURBOFAN ENGINE
INTERCOMPRESSOR BLEED VALVE/ SERVO-VALVE - REPLACEMENT/MODIFICATION OF

MODEL APPLICATION

Compliance: CATEGORY 3, 6

Summary: There can be a calibration shift of the servo valve which affects the compressor bleed valve operation. This is due to the movement of the internal metering post in the servo valve. Replace the servo valve with one that has:

- a tighter fit between the metering post and the servo housing.
- a material change of the post, clevis and torque motor retaining bolts.
- the addition of washers for the torque motor retaining bolts.

NOTE: Incorporation of the new part numbers stated in Para. 2.C. Material Necessary for Each Engine meets the intent of SB30404.
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VP - Legal Services, Pratt & Whitney Canada Corp., 1000 Marie-Victorin (01BE5), Longueuil, Quebec J4G 1A1.
1. Planning Information

A. Effectivity

PW530A Engines which are before and include Serial No. PCE-DA0699
PW535A Engines which are before and include Serial No. PCE-DC0367
PW535B Engines which are before and include Serial No. PCE-DE0136
All PW535E Engines
PW545A Engines which are before and include Serial No. PCE-DB0773
PW545B Engines which are before and include Serial No. PCE-DD0681
PW545C Engines which are before and include Serial No. PCE-DF0149

B. Concurrent Requirements

Pratt & Whitney Canada recommends to verify effectivity and compliance to SB30421.

C. Reason

(1) Problem

There can be a calibration shift of the servo valve which affects the compressor bleed valve operation.

(2) Cause

Movement of the internal metering post in the servo valve.

(3) Solution

Replace the servo valve with one that has:

- a tighter “post” to “servo housing” fit.
- a material change of the post, clevis and torque motor retaining bolts.
- the addition of washers for the torque motor retaining bolts.

D. Description

Replace the existing servo valve with a new or modified one.

NOTE: Incorporation of the new part numbers stated in Para. 2.C. Material Necessary for Each Engine meets the intent of SB30404.

E. Compliance

For the PW530A, PW535A, PW535B, PW545A and PW545B engines that are either Post-SB30343 or Post-SB30404;

CATEGORY 3 - Do this SB within 660 hours.
1. Planning Information (Cont'd)

For the PW535E and PW545C engines;

CATEGORY 3 - Do this SB within 660 hours.

For the PW530A, PW535A, PW535B, PW545A and PW545B engines Pre-SB30343;

CATEGORY 6 - P&WC recommends to do this service bulletin when the subassembly (i.e. module, accessories, components, or build groups) is disassembled and access is available to the necessary part. Do all spare subassemblies.

F. Approval

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

G. Manpower

Once you have access to the part, an estimate of 4 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 30J1114 (PW530A)
Illustrated Parts Catalog P/N 3044954 (PW535A)
Illustrated Parts Catalog P/N 3071824 (PW535B)
Illustrated Parts Catalog P/N 3072704 (PW535E)
Illustrated Parts Catalog P/N 30J1274 (PW545A)
Illustrated Parts Catalog P/N 30J2244 (PW545B)
Illustrated Parts Catalog P/N 30J2304 (PW545C)
Maintenance Manual P/N 30J1112 (PW530A)
Maintenance Manual P/N 3044952 (PW535A)
1. Planning Information (Cont'd)

   Maintenance Manual P/N 3071822 (PW535B)
   Maintenance Manual P/N 3072702 (PW535E)
   Maintenance Manual P/N 30J1272 (PW545A)
   Maintenance Manual P/N 30J2242 (PW545B)
   Maintenance Manual P/N 30J2302 (PW545C)
   Overhaul Manual P/N 30J1113 (PW530A)
   Overhaul Manual P/N 3044953 (PW535A)
   Overhaul Manual P/N 3071823 (PW535B)
   Overhaul Manual P/N 3072703 (PW545E)
   Overhaul Manual P/N 30J1273 (PW545A)
   Overhaul Manual P/N 30J2243 (PW545B)
   Overhaul Manual P/N 30J2303 (PW545C)
   P&WC S.B. No. 30311
   P&WC S.B. No. 30343
   P&WC S.B. No. 30404
   P&WC S.B. No. 30421

L. Publications Affected

   Illustrated Parts Catalog P/N 30J1114 (PW530A)
   Illustrated Parts Catalog P/N 3044954 (PW535A)
   Illustrated Parts Catalog P/N 3071824 (PW535B)
   Illustrated Parts Catalog P/N 3072704 (PW535E)
   Illustrated Parts Catalog P/N 30J1274 (PW545A)
   Illustrated Parts Catalog P/N 30J2244 (PW545B)
   Illustrated Parts Catalog P/N 30J2304 (PW545C)

M. Interchangeability and Intermixability of Parts

   Interchangeability - Refer to Para. 2.C.
   Intermixability - Not changed.

2. Material Information

   A. Industry Support Information

      Not applicable.

   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, 2010).
2. Material Information (Cont’d)

The new parts are scheduled to be available in August 2010.

C. Material Necessary for Each Engine

The quantity of materials listed in this section is on a per Engine basis.

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<th>New P/N</th>
<th>Keyword</th>
<th>Old P/N</th>
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For the PW535A, PW535B and PW535E Engines:

For the PW535A and PW535B Engines incorporating SB30343 but not incorporating SB30404 and for the PW535E engines not incorporating SB30404:

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<td>Quote</td>
<td>(A)(B)(E)</td>
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For the PW530A, PW545A Engines:

For the Pre-SB30311 PW545B engines incorporating SB30404:

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For the PW530A, PW545A engines and for Pre-SB30311 PW545B engines incorporating SB30343 but not incorporating SB30404:

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For the Post-SB30311 PW545B Engines incorporating SB30404:

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<tr>
<td>30J3491-01</td>
<td>Valve, Servo, Intercompressor Blv</td>
<td>30J3052-02</td>
<td>1</td>
<td>Quote</td>
<td>(A)(B)(E)</td>
<td></td>
</tr>
</tbody>
</table>

For the Post-SB30311 PW545B engines incorporating SB30343 but not incorporating SB30404 and for the PW545C engines not incorporating SB30404:

<table>
<thead>
<tr>
<th>New P/N</th>
<th>Keyword</th>
<th>Old P/N</th>
<th>Qty</th>
<th>Est. Unit List Price (US$)</th>
<th>Instructions</th>
<th>Disposition</th>
</tr>
</thead>
<tbody>
<tr>
<td>30J3052-01</td>
<td>Valve, Servo, Intercompressor Blv</td>
<td>30J3052-01</td>
<td>1</td>
<td>Quote</td>
<td>(A)(B)(E)</td>
<td></td>
</tr>
<tr>
<td>30J3491-01</td>
<td>Valve, Servo, Intercompressor Blv</td>
<td>30J3052-01</td>
<td>1</td>
<td>Quote</td>
<td>(A)(D)</td>
<td></td>
</tr>
</tbody>
</table>

Consumable Materials and Parts Required:

For PW530A, PW545A, PW545B and PW545C Engines:

<table>
<thead>
<tr>
<th>New P/N</th>
<th>Description</th>
<th>Old P/N</th>
<th>Qty</th>
<th>Est. Unit List Price (US$)</th>
<th>Instructions</th>
<th>Disposition</th>
</tr>
</thead>
<tbody>
<tr>
<td>31J2468-01</td>
<td>Gasket</td>
<td>31J2468-01</td>
<td>1</td>
<td>41.93</td>
<td>(C)</td>
<td></td>
</tr>
</tbody>
</table>

For PW535A, PW535B and PW535E Engines:

<table>
<thead>
<tr>
<th>New P/N</th>
<th>Description</th>
<th>Old P/N</th>
<th>Qty</th>
<th>Est. Unit List Price (US$)</th>
<th>Instructions</th>
<th>Disposition</th>
</tr>
</thead>
<tbody>
<tr>
<td>3052655-01</td>
<td>Gasket</td>
<td>3052655-01</td>
<td>1</td>
<td>41.59</td>
<td>(C)</td>
<td></td>
</tr>
</tbody>
</table>

(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 possible to make a modification to the old part, or you can get the new part from any Pratt & Whitney Canada Distribution Center.

(C) Standard replacement part.

(D) Incorporation of the new part number meets the intent of SB30404.

(E) Return the old part(s) to:

Pratt & Whitney Component Solution Inc.
4905 Stariha Drive
Muskegon MI 49441
USA
Attention: Sales Department
TEL: 1 (800) 872-1792 or 1 (231) 799-6650
FAX: 1 (231) 799-8732
EMAIL: spares@pwc.ca
D. **Reidentified Parts**

The following list of parts can be reworked:

<table>
<thead>
<tr>
<th>OLD P/N</th>
<th>NEW P/N</th>
</tr>
</thead>
<tbody>
<tr>
<td>3073862-01</td>
<td>3075987-01</td>
</tr>
<tr>
<td>30J3204-01</td>
<td>30J3490-01</td>
</tr>
<tr>
<td>30J3052-01</td>
<td>30J3491-01</td>
</tr>
<tr>
<td>3073862-02</td>
<td>3075987-01</td>
</tr>
<tr>
<td>30J3204-02</td>
<td>30J3490-01</td>
</tr>
<tr>
<td>30J3052-02</td>
<td>30J3491-01</td>
</tr>
</tbody>
</table>

E. **Tooling - Price and Availability**

Not applicable.

3. **Accomplishment Instructions**

A. Remove the parts listed under the Old P/N column in Para. 2.C., Material Information. Refer to the instructions in the applicable maintenance manual (Ref. Chapter 75-30-01, COMPRESSOR BLEED AIR - MAINTENANCE PRACTICES) or overhaul manual (Ref. Chapter 72-00-00, DISASSEMBLY-2 EXTERNAL COMPONENTS).

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

C. Install the parts listed under the New P/N column in Para. 2.C., Material Information. Refer to the instructions in the applicable maintenance manual (Ref. Chapter 72-30-01 COMPRESSOR BLEED AIR - MAINTENANCE PRACTICES 75-30-01) or overhaul manual (Ref. 72-00-00, ASSEMBLY-6 EXTERNAL COMPONENTS).

D. Write accomplishment of P&WC S.B. No. 30420 in the applicable engine module log book.

4. **Appendix**

A. Refer to Fig. 1 for parts progression.
### Progression of the Servo Valve for the Intercompressor Bleed Valve

Figure 1 (Sheet 1 of 4)

**BASIC 3052374−01**
- 3073862−01 SB30343 Various Improvements
  - CC 7 PRC 02
- 3073862−02 SB30404 Improved Induction Brazing
  - CC 7 PRC 02
- 3075987−01 SB30420 Tighter Post To Servo Fit
  - CC 3/6 PRC 02

**BASIC 3071810−01**
- 3073862−01 SB30343 Various Improvements
  - CC 7 PRC 02
- 3073862−02 SB30404 Improved Induction Brazing
  - CC 7 PRC 02
- 3075987−01 SB30420 Tighter Post To Servo Fit
  - CC 3/6 PRC 02

PW535A
PW535B

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

Jun 29/2010

PW500-72-30420
Page 7 of 10
Progression of the Servo Valve for the Intercompressor Bleed Valve

Figure 1 (Sheet 2)
Progression of the Servo Valve for the Intercompressor Bleed Valve
Figure 1 (Sheet 3)
Progression of the Servo Valve for the Intercompressor Bleed Valve
Figure 1 (Sheet 4)
COMMERCIAL SUPPORT PROGRAM NOTIFICATION

SPECIAL PROGRAM ALLOWANCE

PROGRAM NAME:
Servo Valve – Replacement of

APPLICABILITY:
PW500 series engines in accordance with the Pratt & Whitney Canada Corp. (P&WC) Service Bulletins (SB) 30420, A30421

PROGRAM DESCRIPTION:
This Commercial Support Program (CSP) offers assistance to the Operator to comply with SB 30420, A30421.

PROGRAM DURATION:
This program will terminate on 30 November 2015

REFERENCE DOCUMENT:
P&WC SB 30420, SB A30421

COVERAGE:
This CSP offers:

Coverage1- Pre SB 30343 (Category 6)
- The new Part Number listed under "PARTS AFFECTED" to the Operator at published Price List less 75%
- A transportation allowance of $30.00 USD

PARTS AFFECTED:

<table>
<thead>
<tr>
<th>New Part Number</th>
<th>Qty/Eng</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>30J3490-01</td>
<td>1</td>
<td>VALVE-SERVO,INTERCOMPRESSOR</td>
</tr>
<tr>
<td>3075987-01</td>
<td>1</td>
<td>VALVE-SERVO,INTERCOMPRESSOR</td>
</tr>
<tr>
<td>30J3491-01</td>
<td>1</td>
<td>VALVE-SERVO,INTERCOMPRESSOR</td>
</tr>
</tbody>
</table>

Date Issued: 2 August, 2010
Coverage 2-Post SB 30343 (Category 3)
- The new Part Number listed under "PARTS AFFECTED" to the Operator at No Charge
- A maximum of 15 hours labour allowance per engine at the current P&WC warranty labour rate.
- A transportation allowance of $30.00 USD

PARTS AFFECTED:

<table>
<thead>
<tr>
<th>New Part Number</th>
<th>Qty/Eng</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>31J2857-04</td>
<td>1</td>
<td>INTERCOMPRESSOR BLEED SERVO</td>
</tr>
<tr>
<td>3052374-01</td>
<td>1</td>
<td>VALVE-SERVO,INTERCOMPR BLV</td>
</tr>
<tr>
<td>3071810-01</td>
<td>1</td>
<td>VALVE-SERVO,INTERCOMPR BLV</td>
</tr>
<tr>
<td>30J2961-01</td>
<td>1</td>
<td>INTERCOMPRESSOR BLEED SERVO</td>
</tr>
<tr>
<td>30J3490-01</td>
<td>1</td>
<td>VALVE-SERVO,INTERCOMPRESSOR BLV</td>
</tr>
<tr>
<td>3075987-01</td>
<td>1</td>
<td>VALVE-SERVO,INTERCOMPRESSOR BLV</td>
</tr>
<tr>
<td>31J2468-01</td>
<td>1</td>
<td>GASKET-3 HOLE</td>
</tr>
<tr>
<td>3052655-01</td>
<td>1</td>
<td>GASKET-3 HOLE</td>
</tr>
<tr>
<td>30J1296</td>
<td>1</td>
<td>METERING PLUG-SECONDARY</td>
</tr>
<tr>
<td>3052373</td>
<td>1</td>
<td>METERING PLUG-SECONDARY</td>
</tr>
<tr>
<td>ST3881-01</td>
<td>1</td>
<td>GASKET-.630, 2 HOLES</td>
</tr>
<tr>
<td>3052645-01</td>
<td>1</td>
<td>GASKET-.500, 2 HOLE</td>
</tr>
</tbody>
</table>

ORDER INSTRUCTIONS:

For Operators
The Operator may order the new Part Number by submitting a Purchase Order to his regular P&WC Parts Distribution Center (PDC). Please ensure that the engine model, engine serial number and this CSP number 1005303 are clearly indicated on all documents submitted.

P&WC owned or affiliated Service Centers (Shop)
If the Operator decides to have this CSP incorporated by a Shop, it is the Shop's responsibility to verify with the Operator that the part covered by this CSP has not already been ordered by the Operator. Part listed under “PARTS AFFECTED” is to be ordered by the Shop at the published Price List less the Shop's normal acquisition discount.

CLAIM INSTRUCTIONS:

For Operators
A warranty claim must be submitted through the source of supply (i.e. PDC) for:
- The difference between the price originally paid for the part and the discounted price as defined under "COVERAGE".
- A maximum of 15 hours labour allowance (as applicable on Coverage 2) per engine at the current P&WC warranty labour rate.
- A transportation allowance of $30 USD

Date Issued: 2 August, 2010
For Shops
A warranty claim must be submitted through P&WC Warranty Administration for:
- The difference between the price originally paid for the part and the discounted price as defined under “COVERAGE”.
- A maximum of 15 hours labour allowance (as applicable on Coverage 2) per engine at the current P&WC warranty labour rate.
- A transportation allowance of $30 USD

Please ensure that the engine model, engine serial number, hours/cycles (TTSN/TCSN/TTSO) and this CSP number 1005303 are clearly indicated on all documents submitted.

NOTE: Failure to comply with the preceding instructions may delay or void the warranty claim and/or the offered CSP coverage. P&WC may refuse any claim for coverage under this program that is received more than one hundred and eighty (180) days after compliance with this program.

REMOVED MATERIAL DISPOSITION:
Removed parts are to be scrapped locally.