



Transport
Canada

Transports
Canada

2

RK0207

TP 14182E



(Revised 05/2005)

Engine Logbook
POWER SECTION
MODULE LOG BOOK

Canada

Volume #: 1

Opened on: 22 JAN 2007

ENGINE DETAILS

1. Manufacturer Pratt & Whitney Canada Corp.
2. Type/Model/Series PT6A-66 B/S: 676
3. Serial Number PS-RK0207

Other related Transport Canada Publications

TP 14089B
TP 14058E/F

Previous Edition

TP 3910E, 2nd Edition (Jan 1987)
TP 14182E (Dec 2003)

Printed in Canada

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Tower C, 5th Floor
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TP 14182E
(05/2005)
TC 1001135
Catalogue No. T53-4/2-2005E



Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO	
22 JAN 2007	0.0	0.0	0	New engine final acceptance test completed satisfactorily and is in condition for safe operation.	<p>This Power Section module is combined with Gas Generator. S/N: PCE- <u>RK0207</u></p> <p>NG/N^o <u>34800</u>RPM, at <u>85</u>c SHP / <u>6</u>v^o</p> <p>ITT Trim: <u>0.0</u> C°</p> <p>T5 Trim resistance: <u>∞</u> Ohms</p>	<p>R. J. DAVIES</p> <p>(1023) <i>R. Davies</i></p>	<p>(RP 32)</p> <p>T.O. 4-98 NO. 005</p>
07 MAR. 2007	0.0	--	0	THIS ENGINE HAS BEEN FILLED	WITH OIL MOBIL JET II MIL-PRF 23699.	<i>L. DAVIES</i>	(RP 32)

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO																
																						
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">N162SL</td> <td style="width: 20%;">SERIAL #: 1130</td> <td style="width: 20%;">AC TSN: 145.5</td> <td style="width: 45%;">WO # 1198</td> </tr> <tr> <td>DATE: 7/23/07</td> <td>Pratt & Whitney- PT6A-66</td> <td>AC CSN: 113</td> <td></td> </tr> <tr> <td></td> <td>SERIAL #: RK0207</td> <td>ENG TSN: 145.5 TSO:</td> <td></td> </tr> <tr> <td></td> <td>POSITION: #2</td> <td>ENG CSN: 113 CSO:</td> <td></td> </tr> </table>							N162SL	SERIAL #: 1130	AC TSN: 145.5	WO # 1198	DATE: 7/23/07	Pratt & Whitney- PT6A-66	AC CSN: 113			SERIAL #: RK0207	ENG TSN: 145.5 TSO:			POSITION: #2	ENG CSN: 113 CSO:	
N162SL	SERIAL #: 1130	AC TSN: 145.5	WO # 1198																			
DATE: 7/23/07	Pratt & Whitney- PT6A-66	AC CSN: 113																				
	SERIAL #: RK0207	ENG TSN: 145.5 TSO:																				
	POSITION: #2	ENG CSN: 113 CSO:																				
<p>Performed 150 HOUR INSPECTION in accordance with Pratt & Whitney PT6A-66 M/M 3036122.</p> <p>Complied with the following Scheduled Inspection items:</p> <ul style="list-style-type: none"> • 150 hr/1 Year Engine Mounts and Vibration Isolators Inspection • 150 hr Applicable Portions P&W Periodic Inspection Guide • 100 hr P3 Air Filter Inspection • 150 hr/1 Year Engine Controls Inspection • 100 hr Engine Oil Filter Inspection • 100 hr Engine Magnetic Chip Detector Inspection • 300 hr Fuel Nozzle Leak and Functional Test <p>Complied with the following AD's and SB's:</p> <ul style="list-style-type: none"> • None complied with at this time. <p>Performed the following Maintenance:</p> <ul style="list-style-type: none"> • Installed A PT6 O-Ring kit. • Serviced Engine with BP 2380 Turbine oil. • Security leak and functional checks performed with no faults found. • R/R Oil Filter Element P/N 3034292 <p>The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers, or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.</p>																						
<p>Authorized Signature <u><i>[Signature]</i></u> Certificate Number <u>261570221</u> <i>[Signature]</i></p>																						

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO																												
																																		
<table border="1"><tr><td>N162SL</td><td>SERIAL #: 1130</td><td>AC TSN: 291.5</td><td>WO # 1474</td><td colspan="3"></td></tr><tr><td>DATE: 8/28/07</td><td>Pratt & Whitney- PT6A-66</td><td>AC CSN: 231</td><td></td><td colspan="3"></td></tr><tr><td></td><td>SERIAL #: RK0207</td><td>ENG TSN: 291.5</td><td>TSO:</td><td colspan="3"></td></tr><tr><td></td><td>POSITION: #2</td><td>ENG CSN: 231</td><td>CSO:</td><td colspan="3"></td></tr></table>							N162SL	SERIAL #: 1130	AC TSN: 291.5	WO # 1474				DATE: 8/28/07	Pratt & Whitney- PT6A-66	AC CSN: 231						SERIAL #: RK0207	ENG TSN: 291.5	TSO:					POSITION: #2	ENG CSN: 231	CSO:			
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DATE: 8/28/07	Pratt & Whitney- PT6A-66	AC CSN: 231																																
	SERIAL #: RK0207	ENG TSN: 291.5	TSO:																															
	POSITION: #2	ENG CSN: 231	CSO:																															
<p>Performed 150 HOUR INSPECTION in accordance with Pratt & Whitney PT6A-66 M/M 3036122. <u>Complied with the following Scheduled Inspection items:</u></p> <ul style="list-style-type: none">• 150 hr/1 Year Engine Mounts and Vibration Isolators Inspection• 150 hr Applicable Portions P&W Periodic Inspection Guide• 100 hr P3 Air Filter Inspection• 150 hr/1 Year Engine Controls Inspection• 100 hr Engine Oil Filter Inspection• 100 hr Engine Magnetic Chip Detector Inspection• 300 hr Fuel Nozzle Leak and Functional Test <p><u>Complied with the following AD's and SB's:</u></p> <ul style="list-style-type: none">• None complied with at this time. <p><u>Performed the following Maintenance:</u></p> <ul style="list-style-type: none">• Installed A PT6 O-Ring kit• Serviced Engine with BP 2380 Turbine oil.• Security leak and functional checks performed with no faults found.• R/R Oil Filter Element P/N 3034292WFC <p>The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers, or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.</p> <p>Authorized Signature  Certificate Number 9254687</p>																																		

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
TETERBORO R.A.M.S. LLC						
333 INDUSTRIAL AVE.						
TETERBORO, NJ 07608						
201 288-1818						
DATE: 10/04/07 REG: N162SL A/C TYPE: AVANTIP-180 A/C S/N: 1130						
A/C TOTAL TIME: 435.4 A/C TOTAL CYCLES: 338						
#2 ENGINE TOTAL TIME: 435.4						
#2 ENGINE TOTAL CYCLES: 338						
THE FOLLOWING WORK HAS BEEN COMPLIED WITH:						
1. 150 HR INSP PER P&W PT6A-66 MANUAL						
2. PER JSSI COVERED ENG., REPLACE #2 ENG OIL FILTER						
DESCRIPTION: FILTER, OIL P/N: 3034292WFC S/N: NSN						
THE FOLLOWING WORK HAS BEEN PERFORMED USING THE MANUFACTURERS MAINTENANCE MANUAL.						
THIS AIRFRAME AND/OR ENGINE(S) IS APPROVED FOR RETURN TO SERVICE.						
NAME: J. ESPALAT CERTIFICATE: A&P 3028781 DATE: 10/04/07						
SIGNATURE: <i>Joe Espalat</i>						

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task		Signature	AME ACA/AMO SCA/AMO
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N162SL	SERIAL #: 1130	AC TSN: 588.5	WO # 1949
DATE: 11/28/2007	Pratt & Whitney- PT6A-66	AC CSN: 459	
	SERIAL #: RK0207	ENG TSN: 588.5 TSO:	
	POSITION: #2	ENG CSN: 459 CSO:	

Performed 600 HOUR INSPECTION in accordance with Pratt & Whitney PT6A-66 M/M 3036122.

Complied with the following Scheduled Inspection items:

- 150 hr/1 Year Engine Mounts and Vibration Isolators Inspection
- 150 hr Applicable Portions P&W Periodic Inspection Guide
- 100 hr P3 Air Filter Inspection
- 150 hr/1 Year Engine Controls Inspection
- 100 hr Engine Oil Filter Inspection
- 100 hr Engine Magnetic Chip Detector Inspection
- Fuel Nozzle Leak and Functional Test
- Fuel Pump Inlet Screen Inspection
- Sundstrand Fuel Pump In-Situ Inspection
- Engine Magnetic Chip Detector Inspection
- Engine Magnetic Chip Detector Bridge Inspection
- Borescope Inspection

Complied with the following AD's and SB's:

- None complied with at this time.


Performed the following Maintenance:

- Installed A PT6 O-Ring kit.
- Serviced Engine with BP 2380 Turbine oil.
- Security leak and functional checks performed with no faults found.
- R/R Fuel Nozzles P/N 3119855-0;
- R&R Engine Oil Filter P/N 3034292WFC



The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers, or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.

Authorized Signature  Certificate Number MP 3184442




Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO																				
<div style="display: flex; justify-content: center; align-items: center; gap: 50px;">  <div style="text-align: center;"> <p>CMA</p> <table border="1" style="border-collapse: collapse; width: 100%;"> <tr> <td colspan="2" style="text-align: center;">Camarillo-Avantair</td> <td style="text-align: center;">CMA</td> <td style="text-align: center;">WO # 2295</td> </tr> <tr> <td style="font-size: small;">N162SL</td> <td style="font-size: small;">SERIAL #: 1130</td> <td style="font-size: small;">ACTSN: 740.7</td> <td style="font-size: small;">AC CSN: 563</td> </tr> <tr> <td style="font-size: small;">DATE: 01/07/08</td> <td style="font-size: small;">Pratt & Whitney- PT6A-66</td> <td style="font-size: small;">ENG TSN: 740.7</td> <td style="font-size: small;">TSO:</td> </tr> <tr> <td style="font-size: small;"></td> <td style="font-size: small;">SERIAL #: RK0207</td> <td style="font-size: small;">ENG CSN: 563</td> <td style="font-size: small;">CSO:</td> </tr> <tr> <td style="font-size: small;"></td> <td style="font-size: small;">POSITION: #2</td> <td colspan="2"></td> </tr> </table> </div> </div> <p style="margin-top: 10px;">Performed 150 HOUR INSPECTION in accordance with Pratt & Whitney PT6A-66 M/M 3036122.</p> <p style="margin-top: 5px;">Complied with the following Scheduled Inspection items:</p> <ul style="list-style-type: none"> 150 hr/1 Year Engine Mounts and Vibration Isolators Inspection 150 hr Applicable Portions P&W Periodic Inspection Guide 100 hr P3 Air Filter Inspection 150 hr/1 Year Engine Controls Inspection 100 hr Engine Oil Filter Inspection 100 hr Engine Magnetic Chip Detector Inspection 300 hr Fuel Nozzle Leak and Functional Test <p style="margin-top: 5px;">Complied with the following AD's and SB's:</p> <ul style="list-style-type: none"> None complied with at this time. <p style="margin-top: 5px;">Performed the following Maintenance:</p> <ul style="list-style-type: none"> Installed A PT6 O-Ring kit. Serviced Engine with BP 2380 Turbine oil. Security leak and functional checks performed with no faults found. R/R Oil Filter Element P/N 3034292WPC <p style="margin-top: 10px; font-size: x-small;">The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers, or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.</p> <div style="margin-top: 10px; display: flex; justify-content: space-between;"> Authorized Signature: <u><i>[Signature]</i></u> Certificate Number: <u>261570221</u> <i>[Signature]</i> </div>							Camarillo-Avantair		CMA	WO # 2295	N162SL	SERIAL #: 1130	ACTSN: 740.7	AC CSN: 563	DATE: 01/07/08	Pratt & Whitney- PT6A-66	ENG TSN: 740.7	TSO:		SERIAL #: RK0207	ENG CSN: 563	CSO:		POSITION: #2		
Camarillo-Avantair		CMA	WO # 2295																							
N162SL	SERIAL #: 1130	ACTSN: 740.7	AC CSN: 563																							
DATE: 01/07/08	Pratt & Whitney- PT6A-66	ENG TSN: 740.7	TSO:																							
	SERIAL #: RK0207	ENG CSN: 563	CSO:																							
	POSITION: #2																									


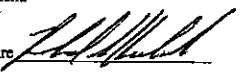
Section 1: Record of engine maintenance and elementary work

Date	Time since <small>now</small>	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO																												
																																		
<table border="1" style="width: 100%;"> <tr> <td>N162SL</td> <td>SERIAL #: 1130</td> <td>ACTSN: 1031.5</td> <td colspan="2">WO # 3051</td> <td colspan="2"></td> </tr> <tr> <td>DATE: 4/3/2008</td> <td>Pratt & Whitney- PT6A-66</td> <td>AC CSN: 768</td> <td></td> <td></td> <td colspan="2"></td> </tr> <tr> <td></td> <td>SERIAL #: RK0207</td> <td>ENG TSN: 1031.5 TSO:</td> <td></td> <td></td> <td colspan="2"></td> </tr> <tr> <td></td> <td>POSITION: #2</td> <td>ENG CSN: 768 CSO:</td> <td></td> <td></td> <td colspan="2"></td> </tr> </table>							N162SL	SERIAL #: 1130	ACTSN: 1031.5	WO # 3051				DATE: 4/3/2008	Pratt & Whitney- PT6A-66	AC CSN: 768						SERIAL #: RK0207	ENG TSN: 1031.5 TSO:						POSITION: #2	ENG CSN: 768 CSO:				
N162SL	SERIAL #: 1130	ACTSN: 1031.5	WO # 3051																															
DATE: 4/3/2008	Pratt & Whitney- PT6A-66	AC CSN: 768																																
	SERIAL #: RK0207	ENG TSN: 1031.5 TSO:																																
	POSITION: #2	ENG CSN: 768 CSO:																																
<p>Performed 150 HOUR INSPECTION in accordance with Pratt & Whitney PT6A-66 M/M 3036122.</p> <p><u>Complied with the following Scheduled Inspection items:</u></p> <ul style="list-style-type: none"> • 150 hr/1 Year Engine Mounts and Vibration Isolators Inspection • 150 hr Applicable Portions P&W Periodic Inspection Guide • 100 hr P3 Air Filter Inspection • 150 hr/1 Year Engine Controls Inspection • 100 hr Engine Oil Filter Inspection • 100 hr Engine Magnetic Chip Detector Inspection • 300 hr Fuel Nozzle Leak and Functional Test <p><u>Complied with the following AD's and SB's:</u></p> <ul style="list-style-type: none"> • None complied with at this time. <p><u>Performed the following Maintenance:</u></p> <ul style="list-style-type: none"> • Installed A PT6 O-Ring kit. • Serviced Engine with BP 2380 Turbine oil. • Security leak and functional checks performed with no faults found. • R/R Oil Filter Element P/N 3034292WFC <p>The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers, or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.</p>																																		
<p>Authorized Signature  Certificate Number <u>411 384492</u></p>																																		


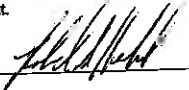
Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO																				
																										
<table border="1" data-bbox="397 435 1354 548"> <tr> <td colspan="2">Avantair Camarillo</td> <td colspan="2">CMA</td> </tr> <tr> <td>NI62SL</td> <td>SERIAL #: 1130</td> <td>AC TSN: 1194.2</td> <td>WO # 3327</td> </tr> <tr> <td>DATE: 5/15/08</td> <td>Pratt & Whitney- PT6A-66</td> <td>AC CSN: 890</td> <td></td> </tr> <tr> <td></td> <td>SERIAL #: RK0207</td> <td>ENG TSN: 1194.2 TSO:</td> <td></td> </tr> <tr> <td></td> <td>POSITION: #2</td> <td>ENG CSN: 890 CSO:</td> <td></td> </tr> </table>							Avantair Camarillo		CMA		NI62SL	SERIAL #: 1130	AC TSN: 1194.2	WO # 3327	DATE: 5/15/08	Pratt & Whitney- PT6A-66	AC CSN: 890			SERIAL #: RK0207	ENG TSN: 1194.2 TSO:			POSITION: #2	ENG CSN: 890 CSO:	
Avantair Camarillo		CMA																								
NI62SL	SERIAL #: 1130	AC TSN: 1194.2	WO # 3327																							
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	SERIAL #: RK0207	ENG TSN: 1194.2 TSO:																								
	POSITION: #2	ENG CSN: 890 CSO:																								
<p>Performed Extended 600 HOUR INSPECTION in accordance with Pratt & Whitney PT6A-66 M/M 3036122.</p> <p><u>Complied with the following Scheduled Inspection items:</u></p> <ul style="list-style-type: none"> • 150 hr/1 Year Engine Mounts and Vibration Isolators Inspection • 150 hr Applicable Portions P&W Periodic Inspection Guide • 100 hr P3 Air Filter Inspection • 150 hr/1 Year Engine Controls Inspection • 100 hr Engine Oil Filter Inspection • 100 hr Engine Magnetic Chip Detector Inspection • Fuel Nozzle Leak and Functional Test • Fuel Pump Inlet Screen Inspection • Engine Magnetic Chip Detector Inspection • Engine Magnetic Chip Detector Bridge Inspection • Borescope Inspection <p><u>Complied with the following AD's and SB's:</u></p> <ul style="list-style-type: none"> • None complied with at this time. <p><u>Performed the following Maintenance:</u></p> <ul style="list-style-type: none"> • Installed A PT6 O-Ring kit. • Serviced Engine with BP 2380 Turbine oil. • Security leak and functional checks performed with no faults found. • R/R Fuel Nozzles P/N 3119855-01 • R/R Oil Filter Element P/N 3034292WFC <p>The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers, or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.</p>																										
<p>Authorized Signature  Certificate Number </p>																										


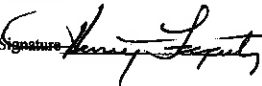
Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
						
Avantair Camarillo CMA						
N162SL	SERIAL #: 1130	AC TSN: 1486.7		WO # 4051		
DATE: 8/12/2008	Pratt & Whitney- PT6A-66	AC CSN: 1139				
	SERIAL #: RK0207	ENG TSN: 1486.7 TSO:				
	POSITION: #2	ENG CSN: 1143	CSO:			
<p>Performed EXTENDED 150 HOUR INSPECTION in accordance with Pratt & Whitney PT6A-66 M/M 3036122.</p> <p><u>Complied with the following Scheduled Inspection items:</u></p> <ul style="list-style-type: none"> • 150 hr/1 Year Engine Mounts and Vibration Isolators Inspection • 150 hr Applicable Portions P&W Periodic Inspection Guide • 100 hr P3 Air Filter Inspection • 150 hr/1 Year Engine Controls Inspection • 100 hr Engine Oil Filter Inspection • 100 hr Engine Magnetic Chip Detector Inspection • 300 hr Fuel Nozzle Leak and Functional Test <p><u>Complied with the following AD's and SB's:</u></p> <ul style="list-style-type: none"> • None complied with at this time. <p><u>Performed the following Maintenance:</u></p> <ul style="list-style-type: none"> • Installed A PT6 O-Ring kit. • Serviced Engine with BP 2380 Turbine oil. • Security leak and functional checks performed with no faults found. <p>The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers, or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.</p>						
Authorized Signature 				Certificate Number <u>1184442</u>		

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO																												
																																		
<table border="1" data-bbox="381 370 1338 487"> <tr> <td>N162SL</td> <td>SERIAL #: 1130</td> <td>AC TSN: 1621.8</td> <td>WO # 4267</td> <td></td> <td></td> <td></td> </tr> <tr> <td>DATE: 9/21/08</td> <td>Pratt & Whitney- PT6A-66</td> <td>AC CSN: 1253</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>SERIAL #: RK0207</td> <td>ENG TSN: 1621.8</td> <td>TSO:</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>POSITION: #2</td> <td>ENG CSN: 1260</td> <td>CSO:</td> <td></td> <td></td> <td></td> </tr> </table>							N162SL	SERIAL #: 1130	AC TSN: 1621.8	WO # 4267				DATE: 9/21/08	Pratt & Whitney- PT6A-66	AC CSN: 1253						SERIAL #: RK0207	ENG TSN: 1621.8	TSO:					POSITION: #2	ENG CSN: 1260	CSO:			
N162SL	SERIAL #: 1130	AC TSN: 1621.8	WO # 4267																															
DATE: 9/21/08	Pratt & Whitney- PT6A-66	AC CSN: 1253																																
	SERIAL #: RK0207	ENG TSN: 1621.8	TSO:																															
	POSITION: #2	ENG CSN: 1260	CSO:																															
<p>Performed 150 HOUR INSPECTION in accordance with Pratt & Whitney PT6A-66 M/M 3036122.</p> <p>Complied with the following Scheduled Inspection items:</p> <ul style="list-style-type: none"> • 150 hr/1 Year Engine Mounts and Vibration Isolators Inspection • 150 hr Applicable Portions P&W Periodic Inspection Guide • 100 hr P3 Air Filter Inspection • 150 hr/1 Year Engine Controls Inspection • 100 hr Engine Oil Filter Inspection • 100 hr Engine Magnetic Chip Detector Inspection • 300 hr Fuel Nozzle Leak and Functional Test <p>Complied with the following AD's and SB's:</p> <ul style="list-style-type: none"> • None complied with at this time. <p>Performed the following Maintenance:</p> <ul style="list-style-type: none"> • Installed PT6 O-Ring kit. • Serviced Engine with BP 2380 Turbine oil. • Security leak and functional checks performed with no faults found. <p>The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers, or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.</p> <p>Authorized Signature <u></u> CRS # Y2JR078L</p>																																		


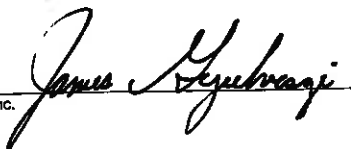
Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
						
N162SL	SERIAL #: 1130	AC TSN: 1764.3	WO # 4642			
DATE: 11/9/08	Pratt & Whitney- PT6A-66	AC CSN: 1356				
	SERIAL #: RK0207	ENG TSN: 1764.3 TSO:				
	POSITION: #2	ENG CSN: 1364 CSO:				
Performed 600 HOUR INSPECTION in accordance with Pratt & Whitney PT6A-66 M/M 3036122.						
Complied with the following Scheduled Inspection items:						
<ul style="list-style-type: none">• 150 hr/1 Year Engine Mounts and Vibration Isolators Inspection• 150 hr Applicable Portions P&W Periodic Inspection Guide• 100 hr P3 Air Filter Inspection• 150 hr/1 Year Engine Controls Inspection• 100 hr Engine Oil Filter Inspection• 100 hr Engine Magnetic Chip Detector Inspection• Fuel Nozzle Leak and Functional Test• Fuel Pump Inlet Screen Inspection• Engine Magnetic Chip Detector Inspection• Engine Magnetic Chip Detector Bridge Inspection• Borescope Inspection						
Complied with the following AD's and SB's:						
<ul style="list-style-type: none">• None complied with at this time.						
Performed the following Maintenance:						
<ul style="list-style-type: none">• Installed PT6 O-Ring kit.• Serviced Engine with BP 2380 Turbine oil.• Security leak and functional checks performed with no faults found.• R/R Fuel Nozzles, P/N Off/On 3119855-01• R/R P3 Filter, P/N Off/On P-1018						
The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers, or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.						
Authorized Signature  CRS Number Y2JR078L						


Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
avantair						
Avantair Camarillo		CMA				
N162SL	SERIAL #: 1130	AC TSN: 1905.2	WO # 4990			
DATE: 12/22/08	Pratt & Whitney- PT6A-66	AC CSN: 1464				
	SERIAL #: RK0207	ENG TSN: 1905.2 TSO:				
	POSITION: #2	ENG CSN: 1474 CSO:				
<p>Performed 150 HOUR INSPECTION IAW Pratt & Whitney PT6A-66 M/M 3036122.</p> <p>Complied with the following Scheduled Inspection items:</p> <ul style="list-style-type: none"> • 150 hr/1 Year Engine Mounts and Vibration Isolators Inspection • 150 hr Applicable Portions P&W Periodic Inspection Guide • 150 hr P3 Air Filter Inspection • 150 hr/1 Year Engine Controls Inspection • 150 hr Engine Oil Filter Inspection • 150 hr Engine Magnetic Chip Detector Inspection • 300 hr Fuel Nozzle Leak and Functional Test • 1000 hr Engine Oil Scavenge Pump Inlet Screen Inspection <p>Complied with the following AD's and SB's:</p> <ul style="list-style-type: none"> • None complied with at this time. <p>Performed the following Maintenance:</p> <ul style="list-style-type: none"> • Installed PT6 O-Ring kit. • Serviced Engine with BP 2380 Turbine oil. • Security leak and functional checks performed with no faults found. <p>The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers, or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.</p> <p>Authorized Signature <u>[Signature]</u> Certificate Number <u>113124442</u></p>						

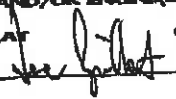
Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
 <p> # 2 Engine Logbook WO: 379-N162SL 03/22/2009 N162SL - Piaggio P-180, S/N 1130 Airframe Hours: 2179.7 Airframe Landings: 1665 # 2 Engine Hours: 2179.7 # 2 Engine Cyc/Lndgs: 1665 Pratt & Whitney PT6A-66 S/N PCERK-0207 Complied with the Following Items: 45.000 Complied with 720005 Comply with Applicable Portions P&W Periodic Inspect Guide (Engine 2) 47.000 Complied with 720007 P3 Air Filter Inspection (Engine 2) 49.000 Complied with 720011 Power Turbine Blade Inspection (Engine 2) 51.000 Complied with 790005 Engine Oil Filter Inspection (Engine 2) 53.000 Complied with 790009 Engine Magnetic Chip Detector Inspection (Engine 2) 55.000 R/R MOF element IAW 79-20-02 PN off 3059257-01 PN on 3059258-01 SN off/on NSN ref AML 069053 #11 PN:3059258-01 </p>						
<p>The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantageir, Inc.'s Quality Assurance Department.</p>						
<p>Certificate Number: V2JR078L 4311 General Howard Drive Clearwater, FL 33762 Phone: 727-539-0071 Fax: 272-639-7007</p>						
<p>Signed:  For Avantageir, Inc.</p>						


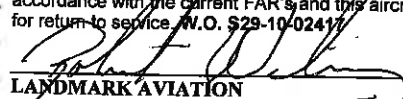
Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
<div style="display: flex; justify-content: space-between; align-items: flex-start;">  <div style="font-size: 0.8em;"> <p># 2 Engine Logbook WO: 1265-N162SL 06/24/2009 N162SL - Pegglo P-180, S/N 1130 Airframe Hours: 2456.9 Airframe Landings: 1856 # 2 Engine Hours: 2456.9 # 2 Engine Cycles/Landings: 1866</p> <p>Pratt & Whitney PT6A-66 S/N PCERK-0207</p> <p>Compiled with the Following Items: 9.000 #2 Engine, compiled with applicable portions of P&W periodic inspection guide (150HR). 9.001 Complied with 720007 P3 Air Filter Inspection (Engine 2) 9.002 Complied with 720011 Power Turbine Blade Inspection (Engine 2) 9.003 Complied with 790005 Engine Oil Filter Inspection (Engine 2) 9.004 Complied with 790009 Engine Magnetic Chip Detector Inspection (Engine 2)</p> <p>The above maintenance was performed in accordance with Pegglo, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.</p> <p>575 Aviation Dr. Camarillo, CA 93010 Phone: 805-383-1100 Fax: 805-383-2037</p> <p>Signed: <u>Joseph A. Chandler</u> AHP 194585349 for Avantair, Inc.</p> </div> </div>						

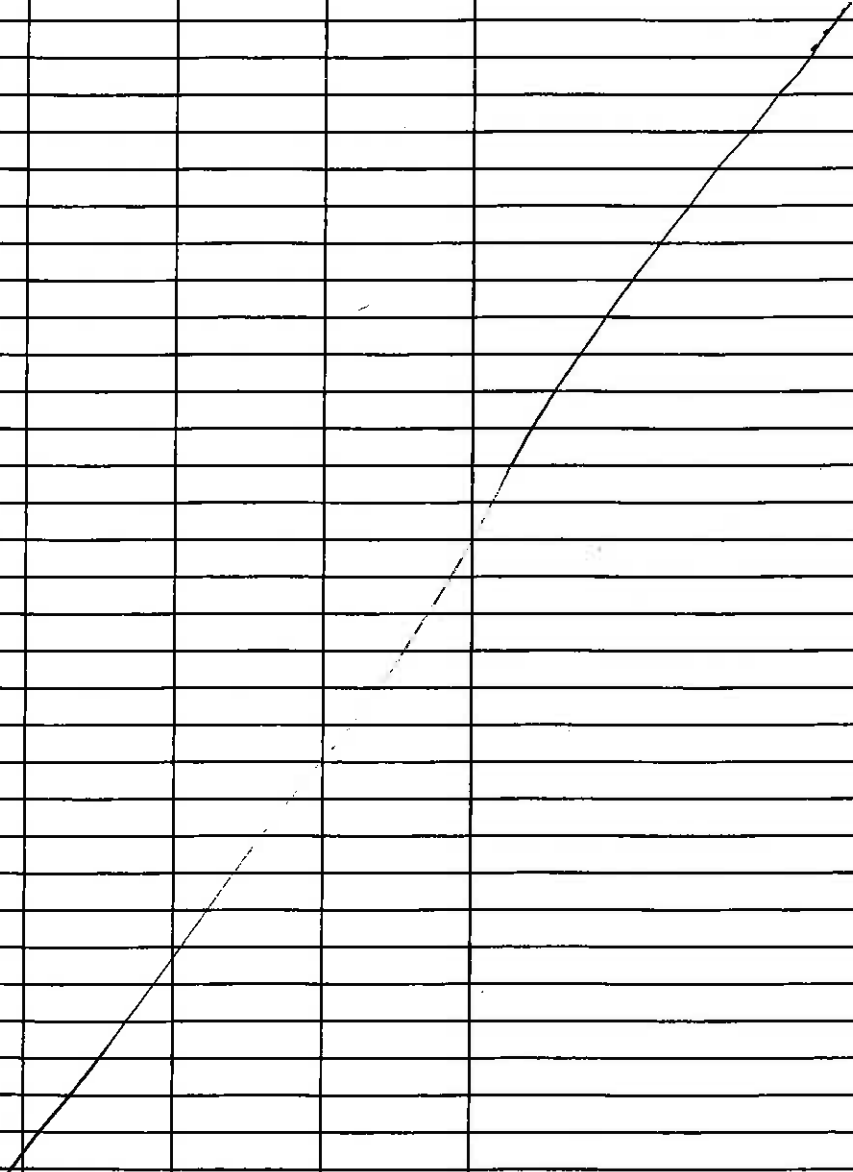
Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
<p>TETERBORD RAMS, LLC 335 INDUSTRIAL AVE. TETERBORD, NJ 07608 201 288-1818</p> <p>DATE: 09/14/09 REG: N16292 A/C TYPE: AVANTI P-180.B A/C S/N: 1130 A/C TOTAL TIME: 2758.7 A/C TOTAL CYCLES: 2067</p> <p>#2 ENGINE TOTAL TIME 2758.7 #2 ENGINE TOTAL CYCLES 2078</p> <p>THE FOLLOWING WORK HAS BEEN COMPLETED WITH 1. 150 HR INSPECTION PER P&W PT6A-88 MANUAL</p> <p>THIS WORK HAS BEEN COMPLETED WITH USING THE MANUFACTURERS MAINTENANCE MANUAL THIS AIRFRAME AND/OR ENGINE(S) IS APPROVED FOR RETURN TO SERVICE.</p> <p>NAME: J. ESPAILLAT CERTIFICATE: ASP 3028781 DATE: 09/14/09</p> <p>SIGNATURE: </p>						

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
				<p>Avantair</p> <p># 2 Engine Logbook WO: 4548-N162SL N162SL - Piaggio P-180 (Avanti II), S/N 1130</p> <p>Airframe Hours: 3316.0 Airframe Landings: 2497 # 2 Engine Hours: 3316.0 # 2 Engine Cyc/Lndgs: 2517 Pratt & Whitney PT6A-66 S/N PCERK-0207</p> <p>Complied with the Following Items:</p> <ul style="list-style-type: none"> Complied with Comply with Applicable Portions P&W Periodic Inspect Guide (Engine 2) Complied with P3 Air Filter Inspection (Engine 2) Complied with Power Turbine Blade Inspection (Engine 2) Complied with Engine Oil Filter Inspection (Engine 2) Complied with Engine Magnetic Chip Detector Inspection (Engine 2) Complied with Engine Magnetic Chip Detector Bridge Inspection (Engine 2) <p>The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.</p> <p>Certificate Number: V2JR078L 4311 General Howard Drive Clearwater, FL 33762 Phone: 727-539-0071 Fax: 272-539-7007</p> <p>Signed:  For Avantair, Inc.</p>		
				<p>LANDMARK AVIATION 14800 North Airport Drive • Scottsdale, AZ 85260 • (480) 948-2400</p> <p>N162SL Date: June 17, 2010 Model # Piaggio P 180 S/N 1130 ACTT: 3436.6 LND: 2593 PT6A-66 s/n PCE-RK0207 ETT:3436.6 Cyc: 2613</p> <p>RH ENGINE LOG ENTRY</p> <p>Removed popper valve p/n PYLB-51541 s/n 539. Installed customer supplied repaired valve p/n same s/n 494. See FAA Form 8130-3 dated Jan 21, 2010 WO# R009-1115-2519 by GE Aviation Systems LLC. Prepped and flushed engine oil system IAW P180-II AMM 79-20-000. Final service to minus 2 quarts of 2380. Operational check was good. No leaks noted.</p> <p>I certify that the above stated maintenance was performed in accordance with the current FAR's and this aircraft is approved for return to service. W.O. #29-10-02417</p> <p> LANDMARK AVIATION LN3R663L</p>		

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
						

PIAGGIO

2 Engine Logbook WO: 5107-N162SL 25 Jun 2010
 N162SL - Piaggio P-180 (Avanti II), S/N 1130
 Airframe Hours: 3449.5 Airframe Landings: 2808
 # 2 Engine Hours: 3449.5
 # 2 Engine Cyl/Lndgs: 2628
 Pratt & Whitney PT6A-66 S/N PCERK-0207


- Complied with the Following Items:**
- 13.000 C/W applicable portions of P&W periodic inspection guide for engine #2 IAW P&W MM 72-00-00. (AML #093162-8)
 - 13.001 Complied with PS Air Filter Inspection (Engine 2)
 - 13.002 Complied with Power Turbine Blade Inspection (Engine 2)
 - 13.003 Complied with Fuel Pump Inlet Screen Inspection (Engine 2)
 - 13.004 Complied with Engine Oil Filter Inspection (Engine 2)
 - 13.005 Complied with Engine Magnetic Chip Detector Inspection (Engine 2)
 - 13.006 Complied with Engine Magnetic Chip Detector Bridge Inspection (Engine 2)
 - 19.000 Complied with periodic borescope inspection on Eng. #2 IAW P&W M.M. chap 72-00-00. No defect noted at this time. (AML #093163-12)
 - 41.000 Removed and replaced #2 engine fuel nozzles with newly inspected fuel nozzles iaw P&W 73-10-04.Ops and leak check normal. See AML# 093163-10.PN:3119855-01 SN:PIE3
 - 43.000 Removed and replaced #2 engine oil filter with new filter IAW MM 79-20-00. (AML #093164-14) PN OFF:3059258-01 SN OFF: NSN — PN ON:3059258-01 SN ON: NSN
 - 45.000 Complied with engine #2 oil filter patch test as required. (AML #093165-16)

The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.




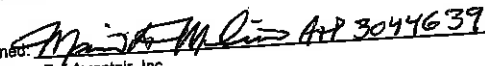
575 Aviation Dr.
 Camarillo, CA 93010
 Phone: 805-383-1100
 Fax: 805-383-2037

Signed: *P. Hunt* *3276862*
 For Avantair, Inc.

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
N162SL Aircraft TT 3579.0	Model PT6A-66B S/N PCE-RK0207	Engine TT 3579.0 Engine TC 2715	July 30, 2010 WO# S15-10-00392	<p>Right engine</p> <p>Performed "A" inspection in accordance with Avanti II mm 5-20-00 Performed 150 hour minor & routine inspection items per PT6A-66B mm 72-00-00 Installed new oil filter p/n 3059258-01 per mm 79-20-02 Installed new P3 air filter p/n WF334552 per mm 73-10-07 Installed new carbon blocks p/n CA3044 in LH and RH propeller reversing linkage per mm 76-10-00 Complied with oil filter patch test p/n GA-MF and JSSI oil sample I certify that this ENGINE has been inspected in accordance with an "A" inspection per section 2 page 2 of the Approved Aircraft Inspection Program for Avantair Inc. and has been determined to be in airworthy condition. The above maintenance was performed in accordance with Piaggio, Pratt & Whitney Canada, and Hartzell maintenance and component manuals. Performed ground run up and satisfactory leak and operational checks. The Aircraft, Airframe, Aircraft Engine, Propeller, or Appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details are on file at this Repair Station.</p>		
<p>APPROVED BY: <i>Victor Hall</i> INSPECTOR FOR</p> <p>LANDMARK AVIATION FAA Repair Station PA15208A Greensboro, NC</p>				<p>05 Oct 2010</p> <p># 2 Engine Logbook: WO: 6491-N162SL N162SL - Piaggio P-180 (Avanti II), S/N 1130 Airframe Hours: 3823.9 Airframe Landings: 2894 # 2 Engine Hours: 3823.9 # 2 Engine Cyc/Lndgs: 2914 Pratt & Whitney PT6A-66 S/N PCERK-0207</p> <p>Complied with the Following Items:</p> <p>#2 engine magnetic chip detector circuitry inspection. AFL# 105808-4</p> <p>The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.</p> <p>575 Aviation Dr. Camarillo, CA 93010 Phone: 805-383-1100 Fax: 805-383-2087</p> <p>Signed: <i>[Signature]</i> 2708427 For Avantair, Inc.</p>		
						
<p>N162SL/1130 TSN: 3726.3 CSN: 2814 DATE: 9/5/10</p> <p>#2 ENGINE PCE-RK-0207 TSN: 3726.3 CSN: 2834</p> <p>THE FOLLOWING WORK HAS BEEN COMPLIED WITH:</p> <ol style="list-style-type: none"> 150 HOUR INSP PER P&W PT6A-66 MANUAL Complied with P&W PERIODIC INSP IAW PT6A-66 MANUAL Complied with oil filter replacement P/N On/Off 3059258-01 Complied with oil filter patch test P/N GA-MF <p>THE FOLLOWING WORK HAS BEEN PERFORMED USING THE MANUFACTURERS MAINTENANCE MANUAL THIS AIRFRAME AND/OR ENGINE(S) IS APPROVED FOR RETURN TO SERVICE</p> <p>NAME: <i>Joseph A. Enderle</i> CERTIFICATE: A & P <i>3949494</i></p> <p>SIGNATURE: <i>Joseph A. Enderle</i></p>						

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	NAME ACA/AMO SCA/AMO
						
Installed						
N163SL	SERIAL #: 1131	AC TSN: 3970.5	WO # 7824-N163SL			
DATE: 02/12/11	Pratt & Whitney	AC CSN: 2931				
PT6A-66	SERIAL #: RK-0207	ENG TSN: 3958.4	TSO: 0.0			
	POSITION: #2	ENG CSN: 3022	CSO: 0			
Authorized Signature:  CRS# V2JR078L						
						
# 2 Engine Logbook WO: 8373-N183SL 23 Feb 2011 N163SL - Piaggio P-180 (Avanti II), S/N 1131 Airframe Hours: 4012.4 Airframe Landings: 2963 # 2 Engine Hours: 4000.3 TSO: 41.9 # 2 Engine Cyc/Lndgs: 3054 CSO: 32 Pratt & Whitney PT6A-66 S/N PCERK-0207						
Complied with the Following Items:						
Applicable Portions P&W Periodic Inspection Guide AML #120715-14						
P3 Air Filter Inspection						
Power Turbine Blade Inspection						
Engine Oil Filter Inspection						
Engine Magnetic Chip Detector Inspection						
Engine Magnetic Chip Detector Bridge Inspection						
The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.						
575 Aviation Dr. Camarillo, CA 93010 Phone: 805-383-1100 Fax: 805-383-2037						
Signed:  AP 3044639 For Avantair, Inc.						

Maintenance and elementary work

Signature
AME
ACA/AMO
SCA/AMO

ask

4 Apr 2011

2 Engine Logbook WO: 9009-N163SL
 N163SL - Piaggio P-180 (Avanti II), S/N 1131
 Airframe Hours: 4160.3 Airframe Landings:
 # 2 Engine Hours: 4148.2
 # 2 Engine Cyc/Lndgs: 3175
 Pratt & Whitney PT6A-66 S/N PCERK-0207

3084
 TSO: 189.8
 CSO: 153

- Complied with the Following Items:
- Comply with Applicable Portions P&W Periodic Inspect Guide
 - P3 Air Filter Inspection
 - Power Turbine Blade Inspection
 - Engine Oil Filter Inspection
 - Engine Magnetic Chip Detector Inspection
 - Engine Magnetic Chip Detector Bridge Inspection

The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantaair, Inc.'s Quality Assurance Department.

Certificate Number: V2JR078L
 4311 General Howard Drive
 Clearwater, FL 33762
 Phone: 727-539-0071
 Fax: 272-539-7007

Signed: _____
 For Avantaair, Inc.

29 May 2011

2 Engine Logbook WO: 10084-N163SL
 N163SL - Piaggio P-180 (Avanti II), S/N 1131
 Airframe Hours: 4368.9 Airframe Landings: 3254
 # 2 Engine Hours: 4358.8 TSO: 398.4
 # 2 Engine Cyc/Lndgs: 3345 CSO: 323
 Pratt & Whitney PT6A-66 S/N PCERK-0207

- Complied with the Following Items:
- Engine Magnetic Chip Detector Inspection LP #117002

The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantaair, Inc.'s Quality Assurance Department.

Certificate Number: V2JR078L
 4311 General Howard Drive
 Clearwater, FL 33762
 Phone: 727-539-0071
 Fax: 272-539-7007

Signed: _____
 For Avantaair, Inc.

14 May 2011

2 Engine Logbook WO: 9712-N163SL
 N163SL - Piaggio P-180 (Avanti II), S/N 1131
 Airframe Hours: 4305.2 Airframe Landings:
 # 2 Engine Hours: 4293.1
 # 2 Engine Cyc/Lndgs: 3290
 Pratt & Whitney PT6A-66 S/N PCERK-0207

3199
 TSO: 334.7
 CSO: 268

- Complied with the Following Items:
- Applicable Portions P&W Periodic Inspect Guide (AML #125956-9)
 - P3 Air Filter Inspection
 - Engine Oil Filter Inspection
 - Power Turbine Blade Inspection
 - Engine Magnetic Chip Detector Inspection
 - Engine Magnetic Chip Detector Bridge Inspection


The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantaair, Inc.'s Quality Assurance Department.

575 Aviation Dr.
 Camarillo, CA 93010
 Phone: 805-383-1100
 Fax: 805-383-2037

Signed: _____
 For Avantaair, Inc.

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task
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2 Engine Logbook WO: 10833-N163SL 23 Jul 2011
 N163SL - Piaggio P-180 (Avanti II), S/N 1131
 Airframe Hours: 4580.3 Airframe Landings: 3400
 # 2 Engine Hours: 4548.2 TSO: 589.8
 # 2 Engine Cyc/Lndgs: 3491 CSO: 469
Pratt & Whitney PT6A-66 S/N PCERK-0207

Complied with the Following Items:

APPLICABLE PORTIONS P&W PERIODIC INSPECT GUIDE (ENGINE 2)AML#126061-10
 POWER TURBINE BLADE INSPECTION (ENGINE 2)AML#126061-12
 ENGINE MAGNETIC CHIP DETECTOR BRIDGE INSPECTION (ENGINE 2)AML#126062-15

The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.

7515 Lemmon Ave.
 Dallas, TX 75209
 Phone: 469-867-4546

Signed: 
 For Avantair, Inc.



2 Engine Logbook WO: 11242-N163SL 9 Aug 2011
 N163SL - Piaggio P-180 (Avanti II), S/N 1131
 Airframe Hours: 4628.0 Airframe Landings: 3458
 # 2 Engine Hours: 4615.9 TSO: 657.5
 # 2 Engine Cyc/Lndgs: 3549 CSO: 527
Pratt & Whitney PT6A-66 S/N PCERK-0207

Complied with the Following Items:

Engine Magnetic Chip Detector Inspection LP #128111

The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.

Certificate Number: V2JR078L
 4311 General Howard Drive
 Clearwater, FL 33762
 Phone: 727-539-0071
 Fax: 272-539-7007

Signed: 
 For Avantair, Inc.

2 Engine Logbook WO: 11408-N163SL 28 Aug 2011
 N163SL - Piaggio P-180 (Avanti II), S/N 1131
 Airframe Hours: 4716.8 Airframe Landings: 3534
 # 2 Engine Hours: 4704.7 TSO: 746.3
 # 2 Engine Cyc/Lndgs: 3625 CSO: 603
 Pratt & Whitney PT6A-66 S/N PCERK-0207

Compiled with the Following Items:

- P&W Periodic Inspection
- P3 Air Filter Inspection
- Engine Oil Filter Inspection
- Engine Magnetic Chip Detector Inspection
- Power Turbine Blade Inspection
- Engine Magnetic Chip Detector Bridge Inspection

The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.

4311 General Howard Drive
 Clearwater, FL 33762
 Phone: 727-539-0071
 Fax: 272-539-7007

Signed: [Signature] AWP 3232874
For Avantair, Inc.

2 Engine Logbook WO: 11987-N163SL 21 Sep
 N163SL - Piaggio P-180 (Avanti II), S/N 1131
 Airframe Hours: 4789.1 Airframe Landings: 3600
 # 2 Engine Hours: 4777.0 TSO: 818.6
 # 2 Engine Cyc/Lndgs: 3691 CSO: 669
 Pratt & Whitney PT6A-66 S/N PCERK-0207

Compiled with the Following Items:

- Engine Magnetic Chip Detector Inspection LP#136344

The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.

4311 General Howard Drive
 Clearwater, FL 33762
 Phone: 727-539-0071
 Fax: 272-539-7007

Signed: [Signature] AWP 3232874
For Avantair, Inc.

2 Engine Logbook WO: 12187-N163SL 4 Oct 2011
 N163SL - Piaggio P-180 (Avanti II), S/N 1131
 Airframe Hours: 4856.1 Airframe Landings: 3643
 # 2 Engine Hours: 4844.0 TSO: 825.0
 # 2 Engine Cyc/Lndgs: 3734 CSO: 712
 Pratt & Whitney PT6A-66 S/N PCERK-0207

Compiled with the Following Items:

- P&W Periodic Inspect Guide. AML# 132317
- P3 Air Filter Inspection
- Engine Oil Filter Inspection
- Engine Magnetic Chip Detector Inspection
- Power Turbine Blade Inspection
- Oil Scavenge Pump Inlet Screen Insp

Removed and replaced parts list:

Oil Filter Element. AML# 132318
PN OFF:3059258-01 SN OFF:NSN — PN ON:3059258-01 SN ON:NSN

The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.

575 Aviation Dr.
 Camarillo, CA 93010
 Phone: 805-383-1100
 Fax: 805-383-2037

Signed: [Signature] AWP 2708427
For Avantair, Inc.

2 Engine Logbook WO: 12798-N163SL 12 Nov 2011
 N163SL - Piaggio P-180 (Avanti II), S/N 1131
 Airframe Hours: 4992.6 Airframe Landings: 3753
 # 2 Engine Hours: 4980.6 TSO: 1022.1
 # 2 Engine Cyc/Lndgs: 3845 CSO: 823
 Pratt & Whitney PT6A-66 S/N PCERK-0207

Compiled with the Following Items:

- Applicable Portions P&W Periodic Inspect AML #139384-9
- P3 Air Filter Inspection
- Engine Oil Filter Inspection
- Engine Magnetic Chip Detector Inspection
- Power Turbine Blade Inspection AML #139382-11
- Periodic Borescope Inspection AML #139383-13
- Fuel Pump Inlet Screen Inspection AML #139383-14
- P3 Air Filter Replacement AML #139384-17
- PN OFF:3028268 SN OFF: NA — PN ON:WP334652 SN ON: NA
- Engine Fuel Nozzle Leak & Functional Test AML #139385-19
- R/R Fuel Nozzle
- PN OFF & ON: 3119855-01 SN:NA

The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.

7515 Lemmon Ave.
 Dallas, TX 75209
 Phone: 214-358-6000

Signed: [Signature] AWP 3585383
For Avantair, Inc.

ME
AMO
AMO

Section 1: Record of engine maintenance and elementary work

Date: 30 Dec 2011	# 2 Engine Logbook N163SL - Piaggio P-180 (Avanti II), S/N 1131 Airframe Hours: 5140.3 Airframe Landings: 3870 # 2 Engine Hours: 5128.2 TSO: 1169.8 # 2 Engine Cycles: 3962 CSO: 940 Pratt & Whitney PT6A-66 S/N PCERK-0207	Signature	AME ACA/AMO SCA/AMO
Complied with the Following Items:			
150Hr P&W Periodic Inspections Items per Ch 72-00-00 Table 601 P3 Air Filter Inspection Engine Oil Filter Inspection Engine Magnetic Chip Detector Inspection Power Turbine Blade Inspection			
The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.			
4311 General Howard Drive Clearwater, FL 33762 Phone: 727-539-0071 Fax: 272-539-7007			
Signed: <i>[Signature]</i> 2659740 For Avantair, Inc.			

Date: 11 Feb 2012	# 2 Engine Logbook N163SL - Piaggio P-180 (Avanti II), S/N 1131 Airframe Hours: 5279.6 Airframe Landings: 3981 # 2 Engine TSN: 5267.5 TSO: 1309.1 # 2 Engine CSN: 4073 CSO: 1051 Pratt & Whitney PT6A-68 S/N PCERK-0207	Signature	AME ACA/AMO SCA/AMO
Complied with the Following Items:			
Applicable Portions P&W Periodic Inspect Guide (AML #150857-16) P3 Air Filter Inspection Engine Oil Filter Inspection Engine Magnetic Chip Detector Inspection Power Turbine Blade Inspection Engine Magnetic Chip Detector Bridge Inspection			
The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.			
575 Aviation Dr. Camarillo, CA 93010 Phone: 805-383-1100 Fax: 805-383-2037			
Signed: <i>[Signature]</i> 552833176 For Avantair, Inc.			

AIR JET EXPRESS AVIATION.
 7835 S. PEORIA ST. ENGLEWOOD, CO. 80112

WO # 14752
 AIRCRAFT TYPE: PIAGGIO P-180 II Avanti
 Pratt & Whitney PT6A-66 S/N PCE RK-0207
 Engine No.2: TSN: 5415.3, CSN: 4174,
 TSO: 1456.9, CSO: 1152

Registration: N163SL Serial #: 1131 Airframe Hours: 5427.4 Date: MAR 13TH 2012
 Cycles: 4082

Accomplished the following:

- ◆ 25962-12 COMPLIED WITH 72-00-00 - NO.2 ENGINE PERIODIC INSPECTION; REFER TO PRATT & WHINEY PT6A-66 MAINTENANCE MANUAL CH. 72-00-00, AND TR72-12 FOR WORK PERFORMED.
- ◆ All work accomplished with reference from Pratt & Whitney, Piaggio Aircraft Maintenance Manuals, Airworthiness Directives, Service Bulletins, and/or Component Manuals.

AJEA-Work Order # 25962

THE AIRCRAFT IDENTIFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS, AIRCRAFT MANUFACTURES MAINTENANCE MANUALS, AND/OR COMPONENT MANUFACTURES MAINTENANCE MANUALS AND WAS FOUND TO BE IN AN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE, FOR THE WORK PERFORMED ABOVE.

Jacob Martinez *[Signature]* A & P # 3128132
 William Highfill *[Signature]* A & P # 3503293

PG.01 OF 01

Secti



WO: 16374-N163SL 25 Apr 2012
 # 2 Engine Logbook N163SL - Piaggio P-180 (Avanti II), S/N 1131
 Airframe Landings: 4193
 Airframe Hours: 5585.7 TSO: 1595.2
 # 2 Engine Hours: 5553.6 CSO: 1263
 # 2 Engine Cyc/Lndgs: 4285
 Pratt & Whitney PT6A-66 S/N PCERK-0207

Complied with the Following Items:

P&W Periodic Inspection Items per Ch 72-00-00 Table 601, all minor & routine items in the P&W MM P/N3036122 R39
 AML#146703-18
 P3 Air Filter Inspection
 Engine Oil Filter Inspection
 Engine Magnetic Chip Detector Inspection
 Power Turbine Blade Inspection AML#146704-20
 Periodic Borescope Inspection AML#146705-24
 Engine Fuel Nozzle Leak & Functional Test AML#146705-24
 PN:3119855-01 SN:PIE3
 Fuel Pump Inlet Screen Inspection AML#146692-25

The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.

7515 Lemmon Ave.
 Dallas, TX 75209
 Phone: 214-358-6090

Signed: M.H. Stewart 1255 3585383 ASP
 For Avantair, Inc.



WO: 16179-N163SL 06 Jun 2012
 # 2 Engine Logbook N163SL - Piaggio P-180 (Avanti II), S/N 1131
 Airframe Landings: 4800
 Airframe Hours: 5700.2 TSO: 1729.7
 # 2 Engine Hours: 5688.1 CSO: 1370
 # 2 Engine Cyc/Lndgs: 4382
 Pratt & Whitney PT6A-66 S/N PCERK-0207

Complied with the Following Items:

P&W Periodic Inspection Items per CH 72-00-00 Table 601 TR 72-13, all minor and routine items AML # 148836-24
 P3 Air Filter Inspection
 Engine Oil Filter Inspection
 Engine Magnetic Chip Detector Inspection
 Power Turbine Blade Inspection AML # 148837-26

The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.

7515 Lemmon Ave.
 Dallas, TX 75209
 Phone: 214-358-6090

Signed: [Signature] 3618209 ASP
 For Avantair, Inc.

AME
VAMO
VAMO



WO: 16816-N163SL 10 Jul 2012
 # 2 Engine Logbook N163SL - Piaggio P-180 (Avanti II), S/N 1131
 Airframe Landings: 4406
 Airframe Hours: 5848.4 TSO: 1877.9
 # 2 Engine Hours: 5836.3 CSO: 1476
 # 2 Engine Cyc/Lndgs: 4498
 Pratt & Whitney PT6A-66 S/N PCERK-0207

Complied with the Following Items:

P&W Periodic Inspection Items per Ch 72-00-00 Table 601, All Minor And Routine Items. AML #162079-4
 Oil Filter Element Life Limit AML #162079-5
 PN OFF:3058258-01 SN OFF: — PN ON:3058258-01 SN ON:
 Oil Scavenge Pump Inlet Screen Inspection (Low Humidity) AML #162096-7
 Engine Magnetic Chip Detector Inspection AML #162097-10
 Power Turbine Blade Inspection AML #162107-27
 Engine Magnetic Chip Detector Bridge Inspection AML #162100-20

The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.

7515 Lemmon Ave.
 Dallas, TX 75209
 Phone: 214-358-6090

Signed: [Signature] 1279 ASP 2164918707
 For Avantair, Inc.



2 Engine Logbook WO: 17127-N163SL 2 Aug 2012
 N163SL - Piaggio P-180 (Avanti II), S/N 1131
 Airframe Hours: 5929.7 Airframe Landings: 4468
 # 2 Engine Hours: 5917.6 TSO: 1959.2
 # 2 Engine Cyc/Lndgs: 4580 CSO: 1538
 Pratt & Whitney PT8A-66 S/N PCERK-0207

Complied with the Following Items:

Engine Minor Inspection IAW P&W MM 72-00-00 Periodic Inspection TR-72-13 Table 601 (AML # 162373-4)
 P3 Air Filter Inspection
 Engine Oil Filter Inspection

The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.

575 Aviation Dr.
 Camarillo, CA 93010
 Phone: 805-383-1100
 Fax: 805-383-2037

Signed: [Signature] ^{A&P} 696 552833176
 For Avantair, Inc.



N163SL	Piaggio P-180II	ATT: 5960.3	WO # 17304-N163SL
DATE: 8/15/2012	Serial #:1131	LDGS: 4492	
Engine S/N: PCE-RK0207	TTSN: 5948.2	TCSN: 4584	
Model: PT6A-66	TSO: 1989.8	CSO: 1562	

Hot Section due at TTSN: 5948.2

Removed and installed reworked Hot Section components. Removed and installed serviceable fuel nozzles. All work performed in accordance with section 72-50-01, 72-50-02, 72-40-00 and 73-11-05 in the Pratt & Whitney Canada Maintenance Manual P/N 3036122 Rev. 39.

Next Hot Section due at TTSN: 7948.2

The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers, or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.

Authorized Signature: [Signature] 955 A&P# 3447739



2 Engine Logbook WO: 17304-N163SL 9 Aug 2012
 N163SL - Piaggio P-180 (Avanti II), S/N 1131
 Airframe Hours: 5960.3 Airframe Landings: 4492
 # 2 Engine Hours: 5948.2 TSO: 1989.8
 # 2 Engine Cyc/Lndgs: 4584 CSO: 1562
 Pratt & Whitney PT6A-66 S/N PCERK-0207

Complied with the Following Items:

SB 72-14452 Rev 1 Replacement of Electrical Oil Level Filler Cap and Indicator. This Action Complies with AMOC for AD 2010-21-08 Terminating the Repetitive Inspection Requirements of AD 2010-21-08. LP# 165640

The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.

4311 General Howard Drive
 Clearwater, FL 33762
 Phone: 727-539-0071
 Fax: 272-539-7007

Signed: [Signature] AP 34766196
 For Avantair, Inc.

Elementary work

ENGINE MODEL (M2) PT6A-66
ENGINE S/N (M2) PCE-RK0207
REG. NO: N183SL
WORK ORDER: 0900

Access Aviation Maintenance Services

3029 Pencokapee Way
MacClellan, GA 30662 USA
Phone: 678-333-8384

DATE: 10/4/2012
Airframe TT: 5982.3
ENG TT (M2): 5970.2
ENG TC (M2): 4800
ENG TSO (M2): 201.8
ENG TCSO (M2): 1970
TACH:

Engine #2 Entries

- 29 Accomplished #2 Engine applicable portions of P&W Periodic Inspection Guide IAW P&W MM 72-00-00 TR72-14 Table 001, all minor & routine items. No defects noted.
- 30 Removed & replaced #2 engine oil filter element with new element IAW P180 Avant II MM 79-20-00. Ops & Leak check good. P/N Off/On: 3059258-01
- 31 Accomplished #2 Engine oil filter patch test IAW P&W MM 79-20-02.
- 66 Removed & replaced #2 Engine P3 filter with new filter IAW P&W MM 73-10-07. Leak & ops check good. P/N Off: P-1018 P/N On: WF334552
- 68 Accomplished #2 Engine oil scavange pump inlet screen (low humidity) inspection IAW P&W MM 72-00-00. No defects noted.
- 76 Accomplished #2 Engine magnetic chip detector inspection IAW P180 Avant II MM 79-30-00. No defects noted.
- 78 Accomplished #2 Engine power turbine blade inspection (Post P&W SB14172) IAW P&W MM 72-00-00. No defects noted.
- 88 Inspected RH engine controls, levers, cables, & power lever switches general condition & proper installation IAW P180 Avant II MM 05-20-00. No defects noted.
- 107 Accomplished 150 hour #2 Engine inspection IAW P&W MM 72-00-00.

THE AIRCRAFT AND/OR COMPONENT(S) IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED USING THE MANUFACTURER'S MAINTENANCE MANUAL AND IN ACCORDANCE WITH CURRENT RULES OF THE FEDERAL AVIATION REGULATIONS. THIS AIRFRAME AND/OR ENGINE(S) AND/OR PROPELLER(S) HAS BEEN FOUND AIRWORTHY FOR RETURN TO SERVICE.

DATE: 10/4/2012

SIGNED:

Adnan Jamil, A&P 3026873

Work Order: 0900

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AVANTAIR

Complied with the Following Items:

- Engine Oil Filter Patch Test- AML #184866-5
- Fuel Pump Inlet Screen Inspection- AML #184865-8

Complied with the Following Removed and Replaced Item:

- #2 OIL FILTER. AML#184865-7
- PN OFF: 3059258-01 SN OFF: NSN -- PN ON: 3059258-01 SN ON: NSN

2 Engine Logbook WO: 19697-N183SL
N183SL - Piaggio P-180 (Avanti II), S/N 1131
Airframe Hours: 6133.8 Airframe Landings: 4608
2 Engine Hours: 6121.5 TSO: 2163.1
2 Engine Cyc/Lndgs: 4700 CSO: 1678
Pratt & Whitney PT6A-66 S/N PCERK-0207

10 Jan 2013

The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.

4311 General Howard Drive
Clearwater, FL 33762
Phone: 727-539-0071
Fax: 272-539-7887

Signed: _____

For Avantair, Inc.

1252 AP543874C

ENGINE MODEL (#2): PT6A-66
ENGINE S/N (#2): PCE-RK0207
REG. NO: N163SL
WORK ORDER: 13-1120

Access Aviation Maintenance Services

3028 Peacekeeper Way
McClellan, CA 95652
Phone: 916-333-5984

19792

DATE: 1/18/2013
Airframe TT: 8152.8
ENG TT (#2): 6150.5
ENG TC (#2): 4715
ENG TSO (#2): 2192.1
ENG TCSO (#2): 1693

Engine #2 Entries

- 21 Accomplished #2 Engine applicable portions of P&W Periodic Inspection Guide IAW P&W MM 72-00-00 TR72-14 Table 601, all minor & routine items. No defects noted.
- 23 Accomplished #2 Engine magnetic chip detector inspection IAW P180 Avanti II MM 79-30-00. No defects noted.
- 25 Accomplished #2 Engine power turbine blade inspection (Post P&W SB14172) IAW P&W MM 72-00-00. No defects noted.
- 30 Accomplished 150 hour #2 Engine inspection IAW P&W MM 72-00-00.

THE AIRCRAFT AND/OR COMPONENT(S) IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED USING THE MANUFACTURER'S MAINTENANCE MANUAL AND IN ACCORDANCE WITH CURRENT RULES OF THE FEDERAL AVIATION REGULATIONS. THIS AIRFRAME AND/OR ENGINE(S) AND/OR PROPELLER(S) HAS BEEN FOUND AIRWORTHY FOR RETURN TO SERVICE.

DATE: 1/18/2013

SIGNED:

CRS#7XAR136C

Work Order: 13-1120

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL (#2): PT6A-66
ENGINE S/N (#2): PCE-RK0207
REG. NO: N163SL
WORK ORDER: 13-1120

Access Aviation Maintenance Services

3028 Peacekeeper Way
McClellan, CA 95652
Phone: 916-333-5984

DATE: 1/18/2013
Airframe TT: 6150.5
ENG TT (#2): 6150.5
ENG TC (#2): 4715
ENG TSO (#2): 2192.1
ENG TCSO (#2): 1693

Engine #2 Entries

- 21 Accomplished #2 Engine applicable portions of P&W Periodic Inspection Guide IAW P&W MM 72-00-00 TR72-14 Table 601, all minor & routine items. No defects noted.
- 23 Accomplished #2 Engine magnetic chip detector inspection IAW P180 Avanti II MM 79-30-00. No defects noted.
- 25 Accomplished #2 Engine power turbine blade inspection (Post P&W SB14172) IAW P&W MM 72-00-00. No defects noted.
- 30 Accomplished 150 hour #2 Engine inspection IAW P&W MM 72-00-00.

THE AIRCRAFT AND/OR COMPONENT(S) IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED USING THE MANUFACTURER'S MAINTENANCE MANUAL AND IN ACCORDANCE WITH CURRENT RULES OF THE FEDERAL AVIATION REGULATIONS. THIS AIRFRAME AND/OR ENGINE(S) AND/OR PROPELLER(S) HAS BEEN FOUND AIRWORTHY FOR RETURN TO SERVICE.

DATE: 1/18/2013

SIGNED:

CRS#7XAR136C

Work Order: 13-1120

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL (#2): PT6A-66
ENGINE S/N (#2): PCE-RK0207
REG. NO: N163SL
WORK ORDER: 13-1202

Access Aviation Maintenance Services

3028 Peacekeeper Way
McClellan, CA 95652
Phone: 916-333-5984

2015

DATE: 2/22/2013
Airframe TT: 8297.2
ENG TT (#2): 8285.1
ENG TC (#2): 4806
ENG TSO (#2): 2326.7
ENG TCSO (#2): 1786

Engine #2 Entries

- 20 Accomplished #2 Engine applicable portions of P&W Periodic Inspection Guide IAW P&W MM 72-00-00 Rev.40 Table 601, all minor & routine items. No defects noted.
- 22 Accomplished #2 Engine power turbine blade inspection (Post P&W SB14172) IAW P&W MM 72-00-00. No defects noted.
- 25 Removed & replaced #2 Engine fuel filter with new filter IAW P180 Avanti II MM 28-20-00. Leak & ops check good. P/N Off: 1743645-02
- 28 Accomplished 200 hour #2 Engine inspection IAW P&W MM 72-00-00.

THE AIRCRAFT AND/OR COMPONENT(S) IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED USING THE MANUFACTURER'S MAINTENANCE MANUAL AND IN ACCORDANCE WITH CURRENT RULES OF THE FEDERAL AVIATION REGULATIONS. THIS AIRFRAME AND/OR ENGINE(S) AND/OR PROPELLER(S) HAS BEEN FOUND AIRWORTHY FOR RETURN TO SERVICE.

DATE: 2/22/2013

SIGNED:

CRS#7XAR136C

Work Order: 13-1202

Printed by EBis 3 (datcomedia.com)

Section 2: Record of engine installations

Installation						Removal			Removal (cont'd)			
Aircraft registration	Date installed --/--/--	Position	Engine time since new ²	Engine time since overhaul ²	Aircraft time at installation	Date removed --/--/--	Aircraft time at removal	Engine hours this installation ²	Engine time since new ²	Engine time since overhaul ²	Reason for removal	Entered by (print)
S111130	07/03/07	RH	0.0	--	0.0							

² Where engine time is requested, enter the engine time and/or engine cycles, as applicable.



Transport
Canada

Transports
Canada

TP 14182E



(Revised 05/2005)

Engine Logbook GAS GENERATOR MODULE LOG BOOK

Canada

Volume #: 1
Opened on: 22 JAN 2007

ENGINE DETAILS

Other related Transport Canada Publications:

TP 14089B
TP 14058E/F

Previous Edition:

TP 3910E, 2nd Edition (Jan. 1987)
TP 14182E (Dec. 2003)

Printed in Canada.

Please direct your comments, orders and inquiries to

Transport Canada
Civil Aviation Communications Centre (AARC)
Place de Ville,
Tower C, 5th Floor
330 Sparks Street
Ottawa, ON K1A 0N8

Telephone: 1 800 305-2059
Fax: 613 957-4208
E-mail: services@tc.gc.ca

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TP 14182E
(05/2005)
TC-1001185
Catalogue No. T52-4/2-2003E

1. Manufacturer Pratt & Whitney Canada Corp.
2. Type/Model/Series PT6A-66 B/S: 676
3. Serial Number PCE-Rk0207

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task		Signature	AME ACA/AMO SCA/AMO
22 JAN 2007	0.0	0.0	0	New engine final acceptance test and inhibiting run completed satisfactorily and is in condition for safe operation.	<p>This Gas Generator module is combined with Power Section. S/N: PS- RK0207 NG/Nº 34800RPM, at 850 SHP/6V0 ITT Trim: 0.0 C° T5 Trim resistance: ∞ Ohms</p>	R. J. DAVIES	
07 MAR. 2007	0.0	--	0	THIS ENGINE HAS BEEN FILLED WITH OIL MOBIL JET II MIL-PRF23699.		<p><i>(Signature)</i> L. DANONTE</p>	<p>1023 <i>(Signature)</i> TC 4-58 NO.004 RP 32</p>

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO																
																						
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">N1628L</td> <td style="width: 25%;">SERIAL #: 1130</td> <td style="width: 25%;">ACTSN: 145.5</td> <td style="width: 25%;">WO # 1198</td> </tr> <tr> <td>DATE: 7/23/07</td> <td>Pratt & Whitney- PT6A-66</td> <td>AC CSN: 113</td> <td></td> </tr> <tr> <td></td> <td>SERIAL #: RK0207</td> <td>ENG TSN: 145.5 TSO:</td> <td></td> </tr> <tr> <td></td> <td>POSITION: #2</td> <td>ENG CSN: 113 CSO:</td> <td></td> </tr> </table>							N1628L	SERIAL #: 1130	ACTSN: 145.5	WO # 1198	DATE: 7/23/07	Pratt & Whitney- PT6A-66	AC CSN: 113			SERIAL #: RK0207	ENG TSN: 145.5 TSO:			POSITION: #2	ENG CSN: 113 CSO:	
N1628L	SERIAL #: 1130	ACTSN: 145.5	WO # 1198																			
DATE: 7/23/07	Pratt & Whitney- PT6A-66	AC CSN: 113																				
	SERIAL #: RK0207	ENG TSN: 145.5 TSO:																				
	POSITION: #2	ENG CSN: 113 CSO:																				
<p>Performed 150 HOUR INSPECTION in accordance with Pratt & Whitney PT6A-66 M/M 3036122.</p> <p><u>Complied with the following Scheduled Inspection items:</u></p> <ul style="list-style-type: none"> • 150 hr/1 Year Engine Mounts and Vibration Isolators inspection • 150 hr Applicable Portions P&W Periodic Inspection Guide • 100 hr P3 Air Filter Inspection • 150 hr/1 Year Engine Controls Inspection • 100 hr Engine Oil Filter Inspection • 100 hr Engine Magnetic Chip Detector inspection • 300 hr Fuel Nozzle Leak and Functional Test <p><u>Complied with the following AD's and SB's:</u></p> <ul style="list-style-type: none"> • None complied with at this time. <p><u>Performed the following Maintenance:</u></p> <ul style="list-style-type: none"> • Installed A PT6 O-Ring kit. • Serviced Engine with BP 2380 Turbine oil. • Security leak and functional checks performed with no faults found. • R/R Oil Filter Element P/N 3034292 <p>The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers, or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.</p>																						
<p>Authorized Signature:  Certificate Number: <u>261570221</u> </p>																						

Section 1: Record of engine maintenance and elementary work

Date --/--/---	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
-------------------	-------------------	------------------------	--------------	-----------------	-----------	---------------------------



N162SL	SERIAL #: 1130	AC TSN: 291.5	WO # 1474
DATE: 8/28/07	Pratt & Whitney- PT6A-66	AC CSN: 231	
	SERIAL #: RK0207	ENG TSN: 291.5 TSO:	
	POSITION: #2	ENG CSN: 231 CSO:	

Performed 150 HOUR INSPECTION in accordance with Pratt & Whitney PT6A-66 M/M 3036122.

Complied with the following Scheduled Inspection items:

- 150 hr/1 Year Engine Mounts and Vibration Isolators Inspection
- 150 hr Applicable Portions P&W Periodic Inspection Guide
- 100 hr P3 Air Filter Inspection
- 150 hr/1 Year Engine Controls Inspection
- 100 hr Engine Oil Filter Inspection
- 100 hr Engine Magnetic Chip Detector Inspection
- 300 hr Fuel Nozzle Leak and Functional Test

Complied with the following AD's and SB's:

- None complied with at this time.


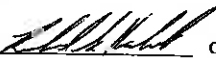
Performed the following Maintenance:

- Installed A PT6 O-Ring kit.
- Serviced Engine with BP 2380 Turbine oil.
- Security leak and functional checks performed with no faults found.
- R/R Oil Filter Element P/N 3034292WFC

The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers, or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.

Authorized Signature *pm [signature]* Certificate Number 92546187

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO																												
																																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">N162SL</td> <td style="width: 20%;">SERIAL #: 1130</td> <td style="width: 20%;">AC TSN: 588.5</td> <td style="width: 20%;">WO # 1949</td> <td colspan="3"></td> </tr> <tr> <td>DATE: 11/28/2007</td> <td>Pratt & Whitney- FT6A-66</td> <td>AC CSN: 459</td> <td></td> <td colspan="3"></td> </tr> <tr> <td></td> <td>SERIAL #: RK0207</td> <td>ENG TSN: 588.5</td> <td>TSO:</td> <td colspan="3"></td> </tr> <tr> <td></td> <td>POSITION: #2</td> <td>ENG CSN: 459</td> <td>CSO:</td> <td colspan="3"></td> </tr> </table>							N162SL	SERIAL #: 1130	AC TSN: 588.5	WO # 1949				DATE: 11/28/2007	Pratt & Whitney- FT6A-66	AC CSN: 459						SERIAL #: RK0207	ENG TSN: 588.5	TSO:					POSITION: #2	ENG CSN: 459	CSO:			
N162SL	SERIAL #: 1130	AC TSN: 588.5	WO # 1949																															
DATE: 11/28/2007	Pratt & Whitney- FT6A-66	AC CSN: 459																																
	SERIAL #: RK0207	ENG TSN: 588.5	TSO:																															
	POSITION: #2	ENG CSN: 459	CSO:																															
<p>Performed 600 HOUR INSPECTION in accordance with Pratt & Whitney FT6A-66 M/M 3036122.</p> <p><u>Complied with the following Scheduled Inspection items:</u></p> <ul style="list-style-type: none"> • 150 hr/1 Year Engine Mounts and Vibration Isolators Inspection • 150 hr Applicable Portions P&W Periodic Inspection Guide • 100 hr P3 Air Filter Inspection • 150 hr/1 Year Engine Controls Inspection • 100 hr Engine Oil Filter Inspection • 100 hr Engine Magnetic Chip Detector Inspection • Fuel Nozzle Leak and Functional Test • Fuel Pump Inlet Screen Inspection • Sundstrand Fuel Pump In-Situ Inspection • Engine Magnetic Chip Detector Inspection • Engine Magnetic Chip Detector Bridge Inspection • Borescope Inspection <p><u>Complied with the following AD's and SB's:</u></p> <ul style="list-style-type: none"> • None complied with at this time. <p><u>Performed the following Maintenance:</u></p> <ul style="list-style-type: none"> • Installed A PT6 O-Ring kit. • Serviced Engine with BP 2380 Turbine oil. • Security leak and functional checks performed with no faults found. • R/R Fuel Nozzles P/N 3119855-01 • R&R Engine Oil Filter P/N 3034292WFC <p>The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers, or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.</p> <p>Authorized Signature  Certificate Number <u>AMP318444Q</u></p>																																		

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
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TETERBORO R.A.M.S. LLC
 333 INDUSTRIAL AVE
 TETERBORO, NJ 07608
 201 288-1818

DATE: 02/21/08 REG: N162SL A/C TYPE: AVANTI P-180 II A/C S/N: 1130
 A/C TOTAL TIME: 888.7 A/C TOTAL CYCLES: 670

#2 ENGINE TOTAL TIME: 888.7
 #2 ENGINE TOTAL CYCLES: 670

THE FOLLOWING WORK HAS BEEN COMPLIED WITH:

1. 150 HR INSP PER P&W PT6A-66 MANUAL
2. PER JSSI COVERED ENG. REPLACE #2 ENG OIL FILTER
 DESCRIPTION: FILTER, OIL P/N: 3034292WFC S/N: NSN
3. REPLACE P3 AIR FILTER (1000HR). P/N: P-1018 S/N: NSN

THE FOLLOWING WORK HAS BEEN PERFORMED USING THE MANUFACTURERS MAINTENANCE MANUAL
 THIS AIRFRAME AND/OR ENGINE(S) IS APPROVED FOR RETURN TO SERVICE.

NAME: J ESPALLAT CERTIFICATE: A&P 3028781 DATE: 02/21/08

SIGNATURE: [Signature]

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
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avantairTM

N162SL	SERIAL #: 1130	AC TSN: 1031.5	WO # 3051
DATE: 4/3/2008	Pratt & Whitney- PT6A-66	AC CSN: 768	
	SERIAL #: RK0207	ENG TSN: 1031.5 TSO:	
	POSITION: #2	ENG CSN: 768 CSO:	

Performed 150 HOUR INSPECTION in accordance with Pratt & Whitney PT6A-66 M/M 3036122.

Complied with the following Scheduled Inspection items:

- 150 hr/1 Year Engine Mounts and Vibration Isolators Inspection
- 150 hr Applicable Portions P&W Periodic Inspection Guide
- 100 hr P3 Air Filter Inspection
- 150 hr/1 Year Engine Controls Inspection
- 100 hr Engine Oil Filter Inspection
- 100 hr Engine Magnetic Chip Detector Inspection
- 300 hr Fuel Nozzle Leak and Functional Test

Complied with the following AD's and SB's:

- None complied with at this time.


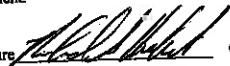
Performed the following Maintenance:

- Installed A PT6 O-Ring kit.
- Serviced Engine with BP 2380 Turbine oil.
- Security leak and functional checks performed with no faults found.
- R/R Oil Filter Element P/N 3034292WFC


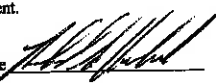
The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers, or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.

Authorized Signature  Certificate Number *44 31814492*

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO																												
																																		
Avantair Camarillo																																		
CMA																																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">N162SL</td> <td style="width: 20%;">SERIAL #: 1130</td> <td style="width: 20%;">AC TSN: 1194.2</td> <td style="width: 10%;">WO # 3327</td> <td colspan="3"></td> </tr> <tr> <td>DATE: 5/15/08</td> <td>Pratt & Whitney- PT6A-66</td> <td>AC CSN: 890</td> <td></td> <td colspan="3"></td> </tr> <tr> <td></td> <td>SERIAL #: RK0207</td> <td>ENG TSN: 1194.2</td> <td>TSO:</td> <td colspan="3"></td> </tr> <tr> <td></td> <td>POSITION: #2</td> <td>ENG CSN: 890</td> <td>CSO:</td> <td colspan="3"></td> </tr> </table>							N162SL	SERIAL #: 1130	AC TSN: 1194.2	WO # 3327				DATE: 5/15/08	Pratt & Whitney- PT6A-66	AC CSN: 890						SERIAL #: RK0207	ENG TSN: 1194.2	TSO:					POSITION: #2	ENG CSN: 890	CSO:			
N162SL	SERIAL #: 1130	AC TSN: 1194.2	WO # 3327																															
DATE: 5/15/08	Pratt & Whitney- PT6A-66	AC CSN: 890																																
	SERIAL #: RK0207	ENG TSN: 1194.2	TSO:																															
	POSITION: #2	ENG CSN: 890	CSO:																															
<p>Performed Extended 600 HOUR INSPECTION in accordance with Pratt & Whitney PT6A-66 M/M 3036122.</p>																																		
<p><u>Complied with the following Scheduled Inspection items:</u></p> <ul style="list-style-type: none"> • 150 hr/1 Year Engine Mounts and Vibration Isolators Inspection • 150 hr Applicable Portions P&W Periodic Inspection Guide • 100 hr P3 Air Filter Inspection • 150 hr/1 Year Engine Controls Inspection • 100 hr Engine Oil Filter Inspection • 100 hr Engine Magnetic Chip Detector Inspection • Fuel Nozzle Leak and Functional Test • Fuel Pump Inlet Screen Inspection • Engine Magnetic Chip Detector Inspection • Engine Magnetic Chip Detector Bridge Inspection • Borescope Inspection 																																		
<p><u>Complied with the following AD's and SB's:</u></p> <ul style="list-style-type: none"> • None complied with at this time. 																																		
<p><u>Performed the following Maintenance:</u></p> <ul style="list-style-type: none"> • Installed A PT6 O-Ring kit. • Serviced Engine with BP 2380 Turbine oil. • Security leak and functional checks performed with no faults found. • R/R Fuel Nozzles P/N 3119855-01 • R/R Oil Filter Element P/N 3034292WFC 																																		
<p>The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers, or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.</p>																																		
<p>Authorized Signature:  Certificate Number: <u>4318111</u></p>																																		

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO																				
				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">N162SL</td> <td style="width:20%;">SERIAL #: 1130</td> <td style="width:15%;">AC TSN: 1329.7</td> <td style="width:15%;">WO # 3660</td> <td style="width:40%;"></td> </tr> <tr> <td>DATE: 7/1/2008</td> <td>Pratt & Whitney- PT6A-66</td> <td>AC CSN: 1018</td> <td></td> <td></td> </tr> <tr> <td></td> <td>SERIAL #: RK0207</td> <td>ENG TSN: 1329.7</td> <td>TSO:</td> <td></td> </tr> <tr> <td></td> <td>POSITION: #2</td> <td>ENG CSN: 1022</td> <td>CSO:</td> <td></td> </tr> </table>			N162SL	SERIAL #: 1130	AC TSN: 1329.7	WO # 3660		DATE: 7/1/2008	Pratt & Whitney- PT6A-66	AC CSN: 1018				SERIAL #: RK0207	ENG TSN: 1329.7	TSO:			POSITION: #2	ENG CSN: 1022	CSO:	
N162SL	SERIAL #: 1130	AC TSN: 1329.7	WO # 3660																							
DATE: 7/1/2008	Pratt & Whitney- PT6A-66	AC CSN: 1018																								
	SERIAL #: RK0207	ENG TSN: 1329.7	TSO:																							
	POSITION: #2	ENG CSN: 1022	CSO:																							
<p>Performed 150 HOUR INSPECTION in accordance with Pratt & Whitney PT6A-66 M/M 3036122. Complied with the following Scheduled Inspection items:</p> <ul style="list-style-type: none"> • 150 hr/1 Year Engine Mounts and Vibration Isolators Inspection • 150 hr Applicable Portions P&W Periodic Inspection Guide • 100 hr P3 Air Filter Inspection • 150 hr/1 Year Engine Controls Inspection • 100 hr Engine Oil Filter Inspection • 100 hr Engine Magnetic Chip Detector Inspection • 300 hr Fuel Nozzle Leak and Functional Test <p>Complied with the following AD's and SB's:</p> <ul style="list-style-type: none"> • None complied with at this time. <p>Performed the following Maintenance:</p> <ul style="list-style-type: none"> • Installed A PT6 O-Ring kit. • Serviced Engine with BP 2380 Turbine oil. • Security leak and functional checks performed with no faults found. • R/R Oil Filter Element P/N 3059258-01 <p>The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers, or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.</p>																										
Authorized Signature																										
			Certificate Number M318442																							

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
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avantair[®]

Avantair Camarillo

CMA

N162SL	SERIAL #: 1130	AC TSN: 1486.7	WO # 4051
DATE: 8/12/2008	Pratt & Whitney- PT6A-66	AC CSN: 1139	
	SERIAL #: RK0207	ENG TSN: 1486.7 TSO:	
	POSITION: #2	ENG CSN: 1143 CSO:	

Performed EXTENDED 150 HOUR INSPECTION in accordance with Pratt & Whitney PT6A-66 M/M 3036122.

Complied with the following Scheduled Inspection items:

- 150 hr/1 Year Engine Mounts and Vibration Isolators Inspection
- 150 hr Applicable Portions P&W Periodic Inspection Guide
- 100 hr P3 Air Filter Inspection
- 150 hr/1 Year Engine Controls Inspection
- 100 hr Engine Oil Filter Inspection
- 100 hr Engine Magnetic Chip Detector Inspection
- 300 hr Fuel Nozzle Leak and Functional Test

Complied with the following AD's and SB's:

- None complied with at this time.

Performed the following Maintenance:

- Installed A PT6 O-Ring kit.
- Serviced Engine with BP 2380 Turbine oil.
- Security-leak and functional checks performed with no faults found.

The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers, or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.

Authorized Signature



Certificate Number

11P318V492

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
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N162SL	SERIAL #: 1130	AC TSN: 1764.3	WO # 4642
DATE: 11/9/08	Pratt & Whitney- PT6A-66	AC CSN: 1356	
	SERIAL #: RK0207	ENG TSN: 1764.3	TSO:
	POSITION: #2	ENG CSN: 1364	CSO:

Performed 600 HOUR INSPECTION in accordance with Pratt & Whitney PT6A-66 M/M 3036122.

Complied with the following Scheduled Inspection items:

- 150 hr/1 Year Engine Mounts and Vibration Isolators Inspection
- 150 hr Applicable Portions P&W Periodic Inspection Guide
- 100 hr P3 Air Filter Inspection
- 150 hr/1 Year Engine Controls Inspection
- 100 hr Engine Oil Filter Inspection
- 100 hr Engine Magnetic Chip Detector Inspection
- Fuel Nozzle Leak and Functional Test
- Fuel Pump Inlet Screen Inspection
- Engine Magnetic Chip Detector Inspection
- Engine Magnetic Chip Detector Bridge Inspection
- Borescope Inspection

Complied with the following AD's and SB's:

- None complied with at this time.

Performed the following Maintenance:

- Installed PT6 O-Ring kit.
- Serviced Engine with BP 2380 Turbine oil.
- Security leak and functional checks performed with no faults found.
- R/R Fuel Nozzles, P/N Off/On 3119855-01
- R/R P3 Filter, P/N Off/On P-1018

The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers, or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.

Authorized Signature *[Handwritten Signature]* CRS Number VZJR078L

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO



Pratt & Whitney

A United Technologies Company

Pratt & Whitney Engine Services, Inc.

8440 Tradeport Drive, Suite 105
Orlando, FL 32827
FAA CRS # HN4D238M


MCO/QA-002a

ACFT. TYPE: Piaggio	ACFT. S/N: 1130 N#: N162SL	ACFT. TTSN: N/A ACFT. TCSN: N/A	ACFT. TSN: N/A HOUR METER: N/A
ENG. MODEL: PT6A-66	ENG. SN# PCE-RK0207	ENG. TTSN: 1960.6 ENG. TSO: N/A	ENG. TCSN: 1514 ENG. CSO N/A

Page: 1 of 1
Complied with Hot Section Inspection in accordance with Section 72-00-00, table 605. Complied with Hot Section Inspection. All work performed in accordance with PT6A-66 Maintenance Manual, part number 3036122, Revision # 34 (Dated Nov. 7, 2008) and Overhaul Manual, part number 3036123, Revision # 25 (Dated Jul 18, 2008). This Engine is approved for return to service following a documented satisfactory ground run and leak check.

Complied with Service Bulletin 14399 R2.

This engine/aircraft has been inspected/repai/modified in accordance with current regulations of the Federal Aviation Administration and is approved for return to service, with regards to work performed above. Pertinent details of the work performed are on file at this agency under work order Pertinent details of the work performed are on file at this agency under Sales Order: 156851

DATE: 1/16/2009 Approved Inspector: *[Signature]*  Joe Cusimano


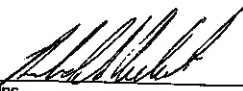
Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
				<p># 2 Engine Logbook WO: 58-N162SL 02/10/2009 N162SL - Pagglo P-180, S/N 1130 Airframe Hours: 2034.7 Airframe Landings: 1551 # 2 Engine Hours: 2034.7 # 2 Engine Cycles/Lndgs: 1561</p> <p>Pratt & Whitney PT6A-66 S/N PCERK-0207</p> <p>Complied with the Following Items:</p> <p>9.000 720005 Comply with Applicable Portions P&W Periodic Inspect Guide (Engine 2) WO Item #9.000 COMPLIED WITH APPL.PORTIONS OF P&W PERIODIC INSPECTION GUIDE (150HR) ON ENG#2 IAW P&W MM CH.72-00-00 AND 73-10-00.</p> <p>11.000 720007 P3 Air Filter Inspection (Engine 2) WO Item #11.000 REF.TO A CHECK PAPERWORK</p> <p>13.000 720011 Power Turbine Blade Inspection (Engine 2) WO Item #13.000 REF.TO A CHECK PAPERWORK</p> <p>15.000 790005 Engine Oil Filter Inspection (Engine 2) WO Item #15.000 REF.TO A CHECK PAPERWORK</p> <p>17.000 790009 Engine Magnetic Chip Detector Inspection (Engine 2) WO Item #17.000 REF.TO A CHECK PAPERWORK</p> <p>The above maintenance was performed in accordance with Pagglo, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.</p> <p>Certificate Number <u>267354018 AOP</u></p> <p>Signed: <i>James Myer</i> For Avantair, Inc., V21R07BL, Clearwater, FL 33762, 727-539-0071</p>		

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
				<p># 2 Engine Logbook WO: 379-N162SL 03/22/2009 N162SL - Piaggio P-180, S/N 1130 Airframe Hours: 2179.7 Airframe Landings: 1655 # 2 Engine Hours: 2179.7 # 2 Engine Cyc/Lndgs: 1665 Pratt & Whitney PT6A-66 S/N PCERK-0207</p> <p>Complied with the Following Items: 45.000 Complied with 720005 Comply with Applicable Portions P&W Periodic Inspect Guide (Engine 2) 47.000 Complied with 720007 P3 Air Filter Inspection (Engine 2) 49.000 Complied with 720011 Power Turbine Blade Inspection (Engine 2) 51.000 Complied with 790005 Engine Oil Filter Inspection (Engine 2) 53.000 Complied with 790009 Engine Magnetic Chip Detector Inspection (Engine 2) 55.000 R/R MOF element IAW 79-20-02 PN off 3059257-01 PN on 3059258-01 SN off/on NSN ref AML 069053 #11 PN:3059258-01</p> <p>The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.</p> <p>Certificate Number: V2JR078L 4311 General Howard Drive Clearwater, FL 33762 Phone: 727-539-0071 Fax: 272-539-7007</p> <p>Signed: <i>[Signature]</i> For Avantair, Inc.</p>		

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
<p>  # 2 Engine Logbook WO: 770-N162SL 4/29/2009 N162SL - Piaggio P-180, S/N 1130 Airframe Hours: 2316.8 Airframe Landings: 1737 # 2 Engine Hours: 2316.8 # 2 Engine Cyc/Lndgs: 1747 Pratt & Whitney PT6A-66 S/N PCERK-0207 </p> <p>Complied with the Following Items:</p> <p> 13.000 Complied with 720005 Comply with Applicable Portions P&W Periodic Inspect Guide (Engine 2) 15.000 Complied with 720007 P3 Air Filter Inspection (Engine 2) IN REF TO P. 180 M.M. 36-10-00 17.000 Complied with 720011 Power Turbine Blade Inspection (Engine 2) IN REF TO P. 180 M.M. 71-10-00 19.000 720021 Periodic Borescope Inspection (Engine 2) WO Item #19.000 C/W #2 Periodic Borescope Inspection P&W M.M. 72-10-00, No defects noted at this time. 21.000 R/R #2 Engine Fuel Nozzles IAW P.&W M.M. 73-10-00. PN:3119855-01 SN:NSN 23.000 Complied with 731001 Fuel Pump Inlet Screen Inspection (Engine 2)IN REF TO P. 180 M.M. 73-10-00 25.000 Complied with 790005 Engine Oil Filter Inspection (Engine 2)IN REF TO P. 180 M.M. 79-10-00 29.000 790011 Engine Magnetic Chip Detector Bridge Inspection (Engine 2) WO Item #29.000 Complied with 790011 Engine Magnetic Chip Detector Bridge Inspection (Engine 2)IN REF TO P. 180 M.M. 79-10-00 </p> <p>The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.</p> <p>Certificate Number: V2JR078L 4311 General Howard Drive Clearwater, FL 33762 Phone: 727-539-0071 Fax: 272-539-7007</p> <p>Signed: <u></u> For Avantair, Inc.</p>						

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO				
				<p># 2 Engine Logbook WO: 4548-N162SL 2 May 2010 N162SL - Piaggio P-180 (Avanti II), S/N 1130</p> <p>Airframe Hours: 3316.0 Airframe Landings: 2497 # 2 Engine Hours: 3316.0 # 2 Engine Cyc/Lndgs: 2517</p> <p>Complied with the Following Items: Pratt & Whitney PT6A-66 S/N PCERK-0207</p> <p>Complied with Comply with Applicable Portions P&W Periodic Inspect Guide (Engine 2) Complied with P3 Air Filter Inspection (Engine 2) Complied with Power Turbine Blade Inspection (Engine 2) Complied with Engine Oil Filter Inspection (Engine 2) Complied with Engine Magnetic Chip Detector Inspection (Engine 2) Complied with Engine Magnetic Chip Detector Bridge Inspection (Engine 2)</p> <p>The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.</p> <p>Certificate Number: V2JR078L 4311 General Howard Drive Clearwater, FL 33762 Phone: 727-539-0071 Fax: 272-539-7007</p> <p>Signed: For Avantair, Inc.</p>						

LANDMARK AVIATION
 14600 North Airport Drive • Scottsdale, AZ 85260 • (480) 948-2400

N162SL Date: June 17, 2010
Model # Piaggio P 180 S/N 1130
ACTT: 3436.6 LND: 2593
PT6A-66 s/n PCE-RK0207 ETT:3436.6 Cyc: 2613

RH ENGINE LOG ENTRY

Removed popper valve p/n PYLB-51541 s/n 539.
 Installed customer supplied repaired valve p/n same s/n 494.
 See FAA Form 8130-3 dated Jan 21, 2010 WO# R009-1115-2519 by GE Aviation Systems LLC.
 Prepped and flushed engine oil system IAW P180-II AMM 79-20-000. Final service to minus 2 quarts of 2380. Operational check was good. No leaks noted.


I certify that the above stated maintenance was performed in accordance with the current FAR's and this aircraft is approved for return to service. W.O. #29-10/02417

LANDMARK AVIATION LN3R663L

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;"> <p>AVANTAIR™</p> <p># 2 Engine Logbook N162SL - Piaggio P-180 (Avanti II), S/N 1130</p> <p>Airframe Hours: 3448.5 # 2 Engine Hours: 3448.5 # 2 Engine Cyc/Lndgs: 2828 Pratt & Whitney PT6A-66 S/N PCERK-0207</p> <p>WO: 5107-N162SL S/N 1130</p> <p>Airframe Landings: 2608</p> <p>25 Jun 2010</p> <p>Compiled with the Following Items:</p> <ul style="list-style-type: none"> 13.000 C/W applicable portions of P&W periodic inspection guide for engine #2 IAW P&W MM 72-00-00. (AML #093162-8) 13.001 Complied with P3 Air Filter Inspection (Engine 2) 13.002 Complied with Power Turbine Blade Inspection (Engine 2) 13.003 Complied with Fuel Pump Inlet Screen Inspection (Engine 2) 13.004 Complied with Engine Oil Filter Inspection (Engine 2) 13.005 Complied with Engine Magnetic Chip Detector Inspection (Engine 2) 13.006 Complied with Engine Magnetic Chip Detector Bridge Inspection (Engine 2) 19.000 Complied with periodic borescope inspection on Eng. #2 IAW P&W M.M. chap 72-00-00. No defect noted at this time. (AML #093163-12) 41.000 Removed and replaced #2 engine fuel nozzles with newly inspected fuel nozzles IAW P&W 73-10-04. Ops and leak check normal. See AML# 093163-10, PN:3119855-01 SN:PIE3 43.000 Removed and replaced #2 engine oil filter with new filter IAW MM 79-20-00. (AML #093164-14) PN OFF:3059258-01 SN OFF: NSN — PN ON:3059258-01 SN ON: NSN 45.000 Complied with engine #2 oil filter patch test as required. (AML #093165-16) <p>The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.</p> <p>575 Aviation Dr. Camarillo, CA 93010 Phone: 805-383-1100 Fax: 805-383-2037</p> <p>Signed: <u>P. Hunt 3276862</u> For Avantair, Inc.</p> </div> <div style="width: 50%; text-align: right;"> <p>AME ACA/AMO SCA/AMO</p> </div> </div>						

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
N162SL Aircraft TT 3579.0	Model PT6A-66B S/N PCE-RK0207	Engine TT 3579.0 Engine TC 2715	July 30, 2010 WO# S15-10-00392	Right engine Performed "A" inspection in accordance with Avanti II mm 5-20-00 Performed 150 hour minor & routine inspection items per PT6A-66B mm 72-00-00 Installed new oil filter p/n 3059258-01 per mm 79-20-02 Installed new P3 air filter p/n WF334552 per mm 73-10-07 Installed new carbon blocks p/n CA3044 in LH and RH propeller reversing linkage per mm 76-10-00 Complied with oil filter patch test p/n GA-MF and JSSI oil sample I certify that this ENGINE has been inspected in accordance with an "A" Inspection per section 2 page 2 of the Approved Aircraft Inspection Program for Avantair Inc. and has been determined to be in airworthy condition. The above maintenance was performed in accordance with Piaggio, Pratt & Whitney Canada, and Hartzell maintenance and component manuals. Performed ground run up and satisfactory leak and operational checks. The Aircraft, Airframe, Aircraft Engine, Propeller, or Appliance Identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details are on file at this Repair Station.	05 Oct 2010	2894
APPROVED BY: <i>Shannon Hall</i> INSPECTOR FOR				#2 Engine Logbook WO: 6491-N162SL N162SL - Piaggio P-180 (Avanti II), S/N 1130 Airframe Hours: 3823.9 Airframe Landings: 2894 #2 Engine Hours: 3823.9 #2 Engine Cyc/Lndgs: 2914 Pratt & Whitney PT6A-66 S/N PCERK-0207 Complied with the Following items: #2 engine magnetic chip detector circuitry inspection. AFL# 105808-4 The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department. 575 Aviation Dr. Camarillo, CA 93010 Phone: 805-383-1100 Fax: 805-383-2097 Signed: <i>[Signature]</i> 2708427 For Avantair, Inc.		
						
N162SL/1130 TSN: 3726.3 CSN: 2814 DATE: 9/5/10						
#2 ENGINE PCE-RK-0207 TSN: 3726.3 CSN: 2834						
THE FOLLOWING WORK HAS BEEN COMPLIED WITH:						
1. 150 HOUR INSP PER P&W PT6A-66 MANUAL 2. Complied with P&W PERIODIC INSP IAW PT6A-66 MANUAL 3. Complied with oil filter replacement P/N On/Off 3059258-01 4. Complied with oil filter patch test P/N GA-MF						
THE FOLLOWING WORK HAS BEEN PERFORMED USING THE MANUFACTURERS MAINTENANCE MANUAL						
THIS AIRFRAME AND/OR ENGINE(S) IS APPROVED FOR RETURN TO SERVICE						
NAME: <i>Joseph A. Enderle</i> CERTIFICATE: A & P <i>3449444</i>						
SIGNATURE: <i>Joseph A. Enderle</i>						

DallasAirmotive

6114 Forest Park Rd
Dallas, TX 75235-6498
Certificate No.: YRRR491L

BBA Aviation

PT6A-66 Gas Generator S/N: PCERK0207 T.S.N.: 3958.4 C.S.N.: 3022 T.S.O.: 00.0 C.S.O.: Zero

Overhauled, Tested and Preserved with reference to Pratt & Whitney overhaul Manual 3036123 Revision 28 Dated May 28, 2010 and other data and methods acceptable to the administrator. Turbine Vane Ring Area: CT: 7.09

Airworthiness Directive Status: Not Applicable: AD 97-04-12 Amendment 39-9936 Dated March 14, 1997 to installed serial number.

Pratt & Whitney Service Bulletins Accomplished: Gas Generator: 14156.
Accessory Gearbox: 14374.
General: 14002, 14104, 14125, 14164, 14167, 14168, 14169, 14284, 14362, 14395, 14405, 14411, 14603.

CORRECTED ENGINE PERFORMANCE

S.H.P.	Ng %	T ₄ °F	T ₃ °C	SFC	Ng Speed	Data Plate Ng Speed	T ₃ Full Down Required	Compressor Turbine Trim Weights				T ₃ Trimmer
850	92.2	1206	652	0.662	34583	92.2% @ 850 S.H.P.	0.0 °C Adjusted @ ∞ Ω	E10N	G13N	N/R	N/R	P/N: 3053995 Class 20

LIFE LIMITED COMPONENTS INSTALLATION (Note: Refer To S/B 14002, Latest Revision, For Approved Life Limits)

Name	Part Number	Serial Number	Total Hours	Total Cycles	Remarks	Name	Part Number	Serial Number	Total Hours	Total Cycles	Remarks
Impeller	3036898	EAAA000C149	3958.4	3022		Hub - Comp	3043063	PKAAAD64048	3958.4	3022	
Rotor - Stg. 4	3040944	TXA1B1555	3958.4	3022		C.T. Disk	3053740-01	A00236F4	3958.4	3022	
Rotor - Stg. 3	3040933	TXA1B0564	3958.4	3022		C.T. Blades	3118991-01	NSN	New	N/A	
Rotor - Stg. 2	3040942	TXA1B1490	3958.4	3022		#1 Mainline Bearing	3113589-01	FAA0634161	3958.4	3022	
Rotor - Stg. 1	3037001	EAAA000N307	3958.4	3022							

ACCESSORY INSTALLATION

Name	Part Number	Serial Number	T.S.O.	Remarks	Name	Part Number	Serial Number	T.S.O.	Remarks
Fuel Control	8063-016A	15236366	00.0	Ex - PCERK0208	Ignition Cables	3119836-01	NSN	New	
Divider Control	3038472	9959524504	00.0		Bleed Valve	3059835-01	AHX007359	00.0	
Fuel Heater	10585K	WA28731	00.0		T ₃ Trimmer	3053995 Class 20	NR00867	00.0	
Fuel Pump	825601-5	008110	00.0		By-Pass Valve	3024996	6176	00.0	
P. Air Filter	3029268	NSN	New		Main Oil Filter	3059258-01	NSN	New	
Excoiter	10-381550-4	NNA07329838	00.0		Fuel Nozzles	Various	Various	00.0	

This Engine Has Been Overhauled And Inspected In Accordance With Current Regulations Of The Federal Aviation Administration, Title 14, Code Of Federal Regulations, Part 43 And In Respect To That Work, This Engine Is Approved For Return To Service. Pertinent Details Of This Overhaul Are On File At This Repair Station Under Sales Order OH52722.

Warranty May Be Transferred With Prior Written Consent. Please Call 1.800.527.5003.

Authorized Signature:

Date: January 4, 2011

Prepared By:

Reviewed By:

Signature

AME
ACA/AMO
SCA/AMO

Section 1: Record of engine maintenance and elementary work



Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task	Signature	AME ACA/AMO SCA/AMO
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Installed

N163SL	SERIAL #: 1131	AC TSN: 3970.5	WO # 7824-N163SL
DATE: 02/12/11	Pratt & Whitney	AC CSN: 2931	
PT6A-66	SERIAL #: RK-0207	ENG TSN: 3958.4	TSO: 0.0
	POSITION: #2	ENG CSN: 3022	CSO: 0

Authorized Signature:  CRS# V2JR078L

			
# 2 Engine Logbook	WO: 8373-N163SL	23 Feb 2011	
N163SL - Piaggio P-180 (Avanti II), S/N 1131			
Airframe Hours:	4012.4	Airframe Landings:	2963
# 2 Engine Hours:	4000.3	TSO:	41.9
# 2 Engine Cyc/Lndgs:	3054	CSO:	32
Pratt & Whitney PT6A-66 S/N PCERK-0207			
Complied with the Following Items:			
Applicable Portions P&W Periodic Inspection Guide AML #120715-14			
P3 Air Filter Inspection			
Power Turbine Blade Inspection			
Engine Oil Filter Inspection			
Engine Magnetic Chip Detector Inspection			
Engine Magnetic Chip Detector Bridge Inspection			
<p>The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers, or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.</p>			
575 Aviation Dr. Camarillo, CA 93010 Phone: 805-383-1100 Fax: 805-383-2037			
Signed:  APR 3044639 For Avantair, Inc.			

2 Engine Logbook WO: 9009-N163SL
 N163SL - Piaggio P-180 (Avanti II), S/N 1131
 Airframe Hours: 4160.3 Airframe Landings: 3084
 # 2 Engine Hours: 4148.2 TSO: 189.8
 # 2 Engine Cyc/Lndgs: 3175 CSO: 153


4 Apr 2011

Complied with the Following Items:

- Comply with Applicable Portions P&W Periodic Inspect Guide
- P3 Air Filter Inspection
- Power Turbine Blade Inspection
- Engine Oil Filter Inspection
- Engine Magnetic Chip Detector Inspection
- Engine Magnetic Chip Detector Bridge Inspection

The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.

Certificate Number: V2JR078L
 4311 General Howard Drive
 Clearwater, FL 33762
 Phone: 727-539-0071
 Fax: 272-539-7007

Signed: 
 For Avantair, Inc.

Signature
 AME
 ACA/AMO
 SCA/AMO

2 Engine Logbook WO: 10084-N163SL
 N163SL - Piaggio P-180 (Avanti II), S/N 1131
 Airframe Hours: 4368.9 Airframe Landings: 3254
 # 2 Engine Hours: 4356.8
 # 2 Engine Cyc/Lndgs: 3345 TSO: 398.4
 Pratt & Whitney PT6A-66 S/N PCERK-0207 CSO: 323


29 May 2011

Complied with the Following Items:

- Engine Magnetic Chip Detector Inspection LP #117002

The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.

Certificate Number: V2JR078L
 4311 General Howard Drive
 Clearwater, FL 33762
 Phone: 727-539-0071
 Fax: 272-539-7007

Signed: 
 For Avantair, Inc.

2 Engine Logbook WO: 9712-N163SL
 N163SL - Piaggio P-180 (Avanti II), S/N 1131
 Airframe Hours: 4305.2 Airframe Landings: 3199
 # 2 Engine Hours: 4293.1 TSO: 334.7
 # 2 Engine Cyc/Lndgs: 3290 CSO: 288
 Pratt & Whitney PT6A-66 S/N PCERK-0207

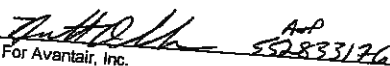
14 May 2011

Complied with the Following Items:

- Applicable Portions P&W Periodic Inspect Guide (AML #125956-9)
- P3 Air Filter Inspection
- Engine Oil Filter Inspection
- Power Turbine Blade Inspection
- Engine Magnetic Chip Detector Inspection
- Engine Magnetic Chip Detector Bridge Inspection

The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.

575 Aviation Dr.
 Camarillo, CA 93010
 Phone: 805-383-1100
 Fax: 805-383-2037

Signed: 
 For Avantair, Inc.

Section 1: Record of engine maintenance and elementary work

Date --/--/--	Time since new	Time since overhaul	Total cycles	Details of task
				<p># 2 Engine Logbook WO: 10833-N163SL N163SL - Piaggio P-180 (Avanti II), S/N 1131 Airframe Hours: 4560.3 Airframe La # 2 Engine Hours: 4548.2 # 2 Engine Cyc/Lndgs: 3491 Pratt & Whitney PT6A-66 S/N PCERK-0207</p> <p>Completed with the Following Items: Pratt & Whitney PT6A-66 S/N PCERK-0207</p> <p>APPLICABLE PORTIONS P&W PERIODIC INSPECT GUIDE (ENGINE 2) AML#126061-10 POWER TURBINE BLADE INSPECTION (ENGINE 2) AML#126061-12 ENGINE MAGNETIC CHIP DETECTOR BRIDGE INSPECTION (ENGINE 2) AML#126062-15</p> <p>The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avontair, Inc.'s Quality Assurance Department.</p> <p>7515 Lennon Ave. Dallas, TX 75209 Phone: 469-667-4546</p> <p>Signed: <u>[Signature]</u> APZ51470419 For Avontair, Inc.</p>



9 Aug 2011

WO: 11242-N163SL

2 Engine Logbook
 N163SL - Piaggio P-180 (Avanti II), S/N 1131

Airframe Hours: 4628.0 Airframe Landings: 3458

2 Engine Hours: 4615.9 TSO: 657.5

2 Engine Cyc/Lndgs: 3549 CSO: 527

Pratt & Whitney PT6A-66 S/N PCERK-0207

Completed with the Following Items:

Engine Magnetic Chip Detector Inspection LP #128111

The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avontair, Inc.'s Quality Assurance Department.

Certificate Number: V2JR078L
 4311 General Howard Drive
 Clearwater, FL 33762
 Phone: 727-539-0071
 Fax: 272-539-7007

Signed: [Signature]
 For Avontair, Inc.

2 Engine Logbook WO: 11408-N163SL 28 Aug 2011
N163SL - Piaggio P-180 (Avanti II), S/N 1131
Airframe Hours: 4716.8 Airframe Landings: 3534
2 Engine Hours: 4704.7 TSO: 746.3
2 Engine Cyc/Lndgs: 3625 CSO: 603
Pratt & Whitney PT6A-66 S/N PCERK-0207

Complied with the Following Items:

- P&W Periodic Inspection
- P3 Air Filter Inspection
- Engine Oil Filter Inspection
- Engine Magnetic Chip Detector Inspection
- Power Turbine Blade Inspection
- Engine Magnetic Chip Detector Bridge Inspection

The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.

4311 General Howard Drive
Clearwater, FL 33762
Phone: 727-539-0071
Fax: 272-539-7007

Signed: *[Signature]* A/P 3232874
For Avantair, Inc.

Engine Logbook WO: 11987-N163SL 21 Sep 2011
N163SL - Piaggio P-180 (Avanti II), S/N 1131
Airframe Hours: 4789.1 Airframe Landings: 3600
2 Engine Hours: 4777.0 TSO: 818.6
2 Engine Cyc/Lndgs: 3691 CSO: 669
Pratt & Whitney PT6A-66 S/N PCERK-0207

Complied with the Following Items:

- Engine Magnetic Chip Detector Inspection LP#136344

The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.

4311 General Howard Drive
Clearwater, FL 33762
Phone: 727-539-0071
Fax: 272-539-7007

Signed: *[Signature]* 979 A/P 3232874
For Avantair, Inc.

2 Engine Logbook WO: 12187-N163SL 4 Oct 2011
N163SL - Piaggio P-180 (Avanti II), S/N 1131
Airframe Hours: 4856.1 Airframe Landings: 3645
2 Engine Hours: 4844.0 TSO: 885.6
2 Engine Cyc/Lndgs: 3734 CSO: 712
Pratt & Whitney PT6A-66 S/N PCERK-0207

Complied with the Following Items:

- P&W Periodic Inspect Guide. AML# 132317
- P3 Air Filter Inspection
- Engine Oil Filter Inspection
- Engine Magnetic Chip Detector Inspection
- Power Turbine Blade Inspection
- Oil Scavenge Pump Inlet Screen Insp

Removed and replaced parts list:

Oil Filter Element. AML# 132318
PN OFF:3059258-01 SN OFF:NSN -- PN ON:3059258-01 SN ON:NSN

The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.

575 Aviation Dr.
Camarillo, CA 93010
Phone: 805-383-1100
Fax: 805-383-2837

Signed: *[Signature]* A/P 2708427
For Avantair, Inc.

2 Engine Logbook WO: 12788-N163SL 12 Nov 2011
N163SL - Piaggio P-180 (Avanti II), S/N 1131
Airframe Hours: 4992.6 Airframe Landings: 3753
2 Engine Hours: 4980.5 TSO: 1022.1
2 Engine Cyc/Lndgs: 3845 CSO: 823
Pratt & Whitney PT6A-66 S/N PCERK-0207

Complied with the Following Items:

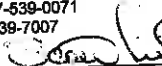
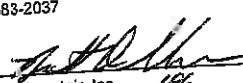
- Applicable Portions P&W Periodic Inspect AML #13584-9
- P3 Air Filter Inspection
- Engine Oil Filter Inspection
- Engine Magnetic Chip Detector Inspection
- Power Turbine Blade Inspection AML #13832-11
- Periodic Scavenge Inspection AML #13933-13
- Fuel Pump Inlet Screen Inspection AML #13939-14
- P3 Air Filter Replacement AML #13934-17
- PN OFF:3023229 SN OFF:NA -- PN ON:WP35452 SN ON:NA
- Engine Fuel Nozzle Leak & Functional Test AML #13935-19
- RPS Fuel Nozzle
- PN OFF:3011486 SN OFF:NA

The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.

7515 Leppard Ave
Dallas, TX 75206
Phone: 214-358-0990

Signed: *[Signature]* 1255 358 5383 A/P
For Avantair, Inc.

Section 1: Record of engine maintenance and elementary work

	Signature	AME ACA/AMO SCA/AMO
<p>Avantair</p> <p># 2 Engine Logbook WO: 13636-N163SL 30 Dec 2011 N163SL - Piaggio P-180 (Avanti II), S/N 1131 Airframe Hours: 5140.3 Airframe Landings: 3870 # 2 Engine Hours: 5128.2 TSO: 1169.8 # 2 Engine Cyl/Lndgs: 3962 CSO: 940 Pratt & Whitney PT6A-66 S/N PCERK-0207</p> <p>Complied with the Following Items:</p> <p>150Hr P&W Periodic Inspections Items per Ch 72-00-00 Table 601 P3 Air Filter Inspection Engine Oil Filter Inspection Engine Magnetic Chip Detector Inspection Power Turbine Blade Inspection</p> <p>The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.</p> <p>4311 General Howard Drive Clearwater, FL 33762 Phone: 727-539-0071 Fax: 272-539-7007</p> <p>Signed:  2659740 For Avantair, Inc.</p>		
<p>Avantair</p> <p># 2 Engine Logbook WO: 14075-N163SL 11 Feb 2012 N163SL - Piaggio P-180 (Avanti II), S/N 1131 Airframe Hours: 5279.0 Airframe Landings: 3981 # 2 Engine TSN: 5267.5 TSO: 1309.1 # 2 Engine CSN: 4073 CSO: 1051 Pratt & Whitney PT6A-66 S/N PCERK-0207</p> <p>Complied with the Following Items:</p> <p>Applicable Portions P&W Periodic Inspect Guide (AML #150857-16) P3 Air Filter Inspection Engine Oil Filter Inspection Engine Magnetic Chip Detector Inspection Power Turbine Blade Inspection Engine Magnetic Chip Detector Bridge Inspection</p> <p>The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.</p> <p>575 Aviation Dr. Camarillo, CA 93010 Phone: 805-383-1100 Fax: 805-383-2037</p> <p>Signed:  52833176 For Avantair, Inc.</p>		

AIR JET EXPRESS AVIATION. WO # 14752
7835 S. PEORIA ST. ENGLEWOOD, CO . 80112 AIRCRAFT TYPE: PIAGGIO P-180 II Avanti
Pratt & Whitney PT6A-66 S/N PCE RK-0207
Engine No.2: TSN: 5415.3, CSN: 4174,
TSO: 1456.9, CSO: 1152


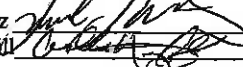
Registration: N163SL Serial #: 1131 Airframe Hours: 5427.4 Date: MAR 13TH 2012
Cycles: 4082

Accomplished the following:

- ◆ 25962-12 COMPLIED WITH 72-00-00 - NO.2 ENGINE PERIODIC INSPECTION; REFER TO PRATT & WHINEY PT6A-66 MAINTENANCE MANUAL CH. 72-00-00, AND TR72-12 FOR WORK PERFORMED.
- ◆ All work accomplished with reference from Pratt & Whitney, Piaggio Aircraft Maintenance Manuals, Airworthiness Directives, Service Bulletins, and/or Component Manuals.

AJEA-Work Order # 25962

THE AIRCRAFT IDENTIFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS, AIRCRAFT MANUFACTURES MAINTENANCE MANUALS, AND/OR COMPONENT MANUFACTURES MAINTENANCE MANUALS AND WAS FOUND TO BE IN AN AIRWORTHY CONDITION AND IS APPROVED FOR RETURN TO SERVICE, FOR THE WORK PERFORMED ABOVE.

Jacob Martinez  A & P # 3128132
William Highfill  A & P # 3503293

PG.01 OF 01

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25 Apr 2012
 # 2 Engine Logbook WO: 15374-N163SL
 N163SL - Piaggio P-180 (Avanti II), S/N 1131
 Airframe Hours: 5555.7 Airframe Landings: 4193
 # 2 Engine Hours: 5553.6 TSO: 1595.2
 # 2 Engine Cyc/Lndgs: 4285 CSO: 1283
 Pratt & Whitney PT6A-66 S/N PCERK-0207

Complied with the Following Items:

- P&W Periodic Inspection Items per Ch 72-00-00 Table 601, all minor & routine items in the P&W MM P/N3036122 R39
- AML#146703-18
- P3 Air Filter Inspection
- Engine Oil Filter Inspection
- Engine Magnetic Chip Detector Inspection
- Power Turbine Blade Inspection AML#146704-20
- Periodic Borescope Inspection AML#146705-24
- Engine Fuel Nozzle Leak & Functional Test AML#146705-24
- PN:3119855-01 SN:PIE3
- Fuel Pump Inlet Screen Inspection AML#146692-25

The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.

7515 Lemmon Ave.
 Dallas, TX 75209
 Phone: 214-358-6080

Signed: Math Stewart 1255 3585383 ASP
 For Avantair, Inc.



05 Jun 2012
 # 2 Engine Logbook WO: 16179-N163SL
 N163SL - Piaggio P-180 (Avanti II), S/N 1131
 Airframe Hours: 5700.2 Airframe Landings: 4300
 # 2 Engine Hours: 5688.1 TSO: 1729.7
 # 2 Engine Cyc/Lndgs: 4392 CSO: 1370
 Pratt & Whitney PT6A-66 S/N PCERK-0207

Complied with the Following Items:

- P&W Periodic Inspection Items per CH 72-00-00 Table 601 TR 72-13, all minor and routine items AML # 146636-24
- P3 Air Filter Inspection
- Engine Oil Filter Inspection
- Engine Magnetic Chip Detector Inspection
- Power Turbine Blade Inspection AML # 146837-26

The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.

7515 Lemmon Ave.
 Dallas, TX 75209
 Phone: 214-358-6080

Signed: [Signature] 308209 ASP
 For Avantair, Inc.



10 Jul 2012
 # 2 Engine Logbook WO: 16815-N163SL
 N163SL - Piaggio P-180 (Avanti II), S/N 1131
 Airframe Hours: 5848.4 Airframe Landings: 4406
 # 2 Engine Hours: 5836.3 TSO: 1877.9
 # 2 Engine Cyc/Lndgs: 4498 CSO: 1476
 Pratt & Whitney PT6A-66 S/N PCERK-0207

Complied with the Following Items:

- Periodic Inspection Items per Ch 72-00-00 Table 601, All Minor And Routine Items. AML #162079-4
- Life Limit AML #162079-5
- 01 SN OFF: — PN ON:3059258-01 SN ON:
- Inlet Screen Inspection (Low Humidity) AML #162098-7
- Chip Detector Inspection AML #162097-10
- Inspection AML #162107-27
- Chip Detector Bridge Inspection AML #162100-20

The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.

Signed: [Signature] 1279
ASP 2164918707



2 Engine Logbook WO: 17127-N163SL 2 Aug 2012
 N163SL - Piaggio P-180 (Avanti II), S/N 1131
 Airframe Hours: 5929.7 Airframe Landings: 4468
 # 2 Engine Hours: 5917.6 TSO: 1959.2
 # 2 Engine Cyc/Lndgs: 4560 CSO: 1538
 Pratt & Whitney PT6A-66 S/N PCERK-0207

Complied with the Following Items:

Engine Minor Inspection IAW P&W MM 72-00-00 Periodic Inspection TR-72-13 Table 601 (AML # 162373-4)
 P3 Air Filter Inspection
 Engine Oil Filter Inspection

The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.

575 Aviation Dr.
 Camarillo, CA 93010
 Phone: 805-383-1100
 Fax: 805-383-2037

Signed: [Signature] A&P
 For Avantair, Inc. 552833176



N163SL	Piaggio P-180II	ATT: 5960.3	WO # 17304-N163SL
DATE: 8/15/2012	Serial #:1131	LDGS: 4492	
Engine S/N: PCE-RK0207	TTSN: 5948.2	TCSN: 4584	
Model: PT6A-66	TSO: 1989.8	CSO: 1562	

Hot Section due at TTSN: 5948.2
 Removed and installed reworked Hot Section components. Removed and installed serviceable fuel nozzles. All work performed in accordance with section 72-50-01, 72-50-02, 72-40-00 and 73-11-05 in the Pratt & Whitney Canada Maintenance Manual P/N 3036122 Rev. 39.

Next Hot Section due at TTSN: 7948.2
 The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers, or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.

Authorized Signature [Signature] 955 A&P# 3447739



2 Engine Logbook WO: 17304-N163SL 9 Aug 2012
 N163SL - Piaggio P-180 (Avanti II), S/N 1131
 Airframe Hours: 5960.3 Airframe Landings: 4492
 # 2 Engine Hours: 5948.2 TSO: 1989.8
 # 2 Engine Cyc/Lndgs: 4584 CSO: 1562
 Pratt & Whitney PT6A-66 S/N PCERK-0207

Complied with the Following Items:

SB 72-14452 Rev 1 Replacement of Electrical Oil Level Filler Cap and Indicator. This Action Complies with AMOC for AD 2010-21-08 Terminating the Repetitive Inspection Requirements of AD 2010-21-08. LP# 165640

The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Avantair, Inc.'s Quality Assurance Department.

4311 General Howard Drive
 Clearwater, FL 33762
 Phone: 727-539-0071
 Fax: 272-539-7007

Signed: [Signature] AP 3436696
 For Avantair, Inc.

ENGINE MODEL (#2): PT6A-66
ENGINE S/N (#2): PCE-RK0207
REG. NO: N163SL
WORK ORDER: 13-1120

Access Aviation Maintenance Services

3028 Peacekeeper Way
McClellan, CA 95652
Phone: 916-333-5994

19792

DATE: 1/18/2013
Airframe TT: 6152.6
ENG TT (#2): 6150.5
ENG TC (#2): 4715
ENG TSO (#2): 2192.1
ENG TCSO (#2): 1693

ENGINE MODEL (#2): PT6A-66
ENGINE S/N (#2): PCE-RK0207
REG. NO: N163SL
WORK ORDER: 13-1202

Access Aviation Maintenance Services

3028 Peacekeeper Way
McClellan, CA 95652
Phone: 916-333-5994

2015

DATE: 2/22/2013
Airframe TT: 6297.2
ENG TT (#2): 6285.1
ENG TC (#2): 4808
ENG TSO (#2): 2326.7
ENG TCSO (#2): 1786

Engine #2 Entries

- 21 Accomplished #2 Engine applicable portions of P&W Periodic Inspection Guide IAW P&W MM 72-00-00 TR72-14 Table 601, all minor & routine items. No defects noted.
- 23 Accomplished #2 Engine magnetic chip detector inspection IAW P180 Avanti II MM 79-30-00. No defects noted.
- 25 Accomplished #2 Engine power turbine blade inspection (Post P&W SB14172) IAW P&W MM 72-00-00. No defects noted.
- 30 Accomplished 160 hour #2 Engine inspection IAW P&W MM 72-00-00.

THE AIRCRAFT AND/OR COMPONENT(S) IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED USING THE MANUFACTURER'S MAINTENANCE MANUAL AND IN ACCORDANCE WITH CURRENT RULES OF THE FEDERAL AVIATION REGULATIONS. THIS AIRFRAME AND/OR ENGINE(S) AND/OR PROPELLER(S) HAS BEEN FOUND AIRWORTHY FOR RETURN TO SERVICE.

DATE: 1/18/2013

SIGNED: 
CRS#7XAR138C

Work Order: 13-1120
Printed by EBis 3 (datcomedia.com)

Engine #2 Entries

- 20 Accomplished #2 Engine applicable portions of P&W Periodic Inspection Guide IAW P&W MM 72-00-00 Rev.40 Table 601, all minor & routine items. No defects noted.
- 22 Accomplished #2 Engine power turbine blade inspection (Post P&W SB14172) IAW P&W MM 72-00-00. No defects noted.
- 26 Removed & replaced #2 Engine fuel filter with new filter IAW P180 Avanti II MM 28-20-00. Leak & ops check good. P/N Off: 1743645-02
- 28 Accomplished 200 hour #2 Engine inspection IAW P&W MM 72-00-00.

THE AIRCRAFT AND/OR COMPONENT(S) IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED USING THE MANUFACTURER'S MAINTENANCE MANUAL AND IN ACCORDANCE WITH CURRENT RULES OF THE FEDERAL AVIATION REGULATIONS. THIS AIRFRAME AND/OR ENGINE(S) AND/OR PROPELLER(S) HAS BEEN FOUND AIRWORTHY FOR RETURN TO SERVICE.

DATE: 2/22/2013

SIGNED: 
CRS#7XAR138C

Work Order: 13-1202
Printed by EBis 3 (datcomedia.com)

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ENGINE MODEL (#2): PT6A-66
ENGINE S/N (#2): PCE-RK0207
REG. NO: N163SL
WORK ORDER: 13-1120

Access Aviation Maintenance Services

3028 Peacekeeper Way
McClellan, CA 95652
Phone: 916-333-5994

DATE: 1/18/2013
Airframe TT: 6150.5
ENG TT (#2): 6150.5
ENG TC (#2): 4716
ENG TSO (#2): 2192.1
ENG TCSO (#2): 1693

Engine #2 Entries

- 21 Accomplished #2 Engine applicable portions of P&W Periodic Inspection Guide IAW P&W MM 72-00-00 TR72-14 Table 601, all minor & routine items. No defects noted.
- 23 Accomplished #2 Engine magnetic chip detector inspection IAW P180 Avanti II MM 79-30-00. No defects noted.
- 25 Accomplished #2 Engine power turbine blade inspection (Post P&W SB14172) IAW P&W MM 72-00-00. No defects noted.
- 30 Accomplished 160 hour #2 Engine inspection IAW P&W MM 72-00-00.

THE AIRCRAFT AND/OR COMPONENT(S) IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED USING THE MANUFACTURER'S MAINTENANCE MANUAL AND IN ACCORDANCE WITH CURRENT RULES OF THE FEDERAL AVIATION REGULATIONS. THIS AIRFRAME AND/OR ENGINE(S) AND/OR PROPELLER(S) HAS BEEN FOUND AIRWORTHY FOR RETURN TO SERVICE.

DATE: 1/18/2013

SIGNED: 
CRS#7XAR138C

Work Order: 13-1120
Printed by EBis 3 (datcomedia.com)

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ENGINE MODEL (#2): PT6A-66
ENGINE S/N (#2): PCE-RK0207
REG. NO: N163SL
WORK ORDER: 13-1120

Access Aviation Maintenance Services

3028 Peacekeeper Way
McClellan, CA 95652
Phone: 916-333-5994

19792

DATE: 1/18/2013
Airframe TT: 6162.6
ENG TT (#2): 6160.6
ENG TC (#2): 4715
ENG TSO (#2): 2192.1
ENG TCSO (#2): 1693

Engine #2 Entries

- 21 Accomplished #2 Engine applicable portions of P&W Periodic Inspection Guide IAW P&W MM 72-00-00 TR72-14 Table 601, all minor & routine items. No defects noted.
- 23 Accomplished #2 Engine magnetic chip detector inspection IAW P180 Avanti II MM 79-30-00. No defects noted.
- 25 Accomplished #2 Engine power turbine blade inspection (Post P&W SB14172) IAW P&W MM 72-00-00. No defects noted.
- 30 Accomplished 160 hour #2 Engine inspection IAW P&W MM 72-00-00.

THE AIRCRAFT AND/OR COMPONENT(S) IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED USING THE MANUFACTURER'S MAINTENANCE MANUAL AND IN ACCORDANCE WITH CURRENT RULES OF THE FEDERAL AVIATION REGULATIONS. THIS AIRFRAME AND/OR ENGINE(S) AND/OR PROPELLER(S) HAS BEEN FOUND AIRWORTHY FOR RETURN TO SERVICE.

DATE: 1/18/2013

SIGNED: 
CRS#7XAR138C

Work Order: 13-1120
Printed by EBis 3 (datcomedia.com)

ENGINE MODEL (#2): PT6A-66
 ENGINE S/N (#2): PCE-RK0207
 REG. NO: N1636L
 WORK ORDER: 13-1202

Access Aviation Maintenance Services

3028 Peacekeeper Way
 McClellan, CA 95652
 Phone: 916-333-5984

DATE: 2/22/2013
 Airframe TT: 6297.2
 ENG TT (#2): 8285.1
 ENG TC (#2): 4806
 ENG TSO (#2): 2326.7
 ENG TCSO (#2): 1785

Engine #2 Entries

- 20 Accomplished #2 Engine applicable portions of P&W Periodic Inspection Guide IAW P&W MM 72-00-00 Rev.40 Table 601, all minor & routine items. No defects noted.
- 22 Accomplished #2 Engine power turbine blade inspection (Post P&W SB14172) IAW P&W MM 72-00-00. No defects noted.
- 26 Removed & replaced #2 Engine fuel filter with new filter IAW P180 Avanti II MM 28-20-00. Leak & ops check good. P/N Off: 1743645-02
- 28 Accomplished 200 hour #2 Engine inspection IAW P&W MM 72-00-00.

THE AIRCRAFT AND/OR COMPONENT(S) IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED USING THE MANUFACTURER'S MAINTENANCE MANUAL AND IN ACCORDANCE WITH CURRENT RULES OF THE FEDERAL AVIATION REGULATIONS. THIS AIRFRAME AND/OR ENGINE(S) AND/OR PROPELLER(S) HAS BEEN FOUND AIRWORTHY FOR RETURN TO SERVICE.

DATE: 2/22/2013

SIGNED:

CRS#7XAR136C



Work Order: 13-1202

Printed by EBIS 3 (datamedia.com)

Engine Model	PT6A-66	Serial N°	PCE-RK-0207	Pos.
TSN	CSN	TSO	CSO	RIGHT
6,434.3	4,909	2,475.9	1,887	
Aircraft Model:	Serial No	Reg. No	A/C Time	A/C Land
P180 AVANTI II	1131	N1838L	6,448.4	4,817

CAW 200 hr Inspection and Engine Minor Inspection IAW P180 AVANTI II M/M Report N° 180-MAN-0200-01105 Revision "B3" dated 21 September 2012 and Pratt & Whitney Manual 3036122 (Table 601 Inspections) Rev. 40 dated 07 Dec. 2012 (all applicable minor inspections were complied with), including the following:
 (200hr) Turbine Power Blade Inspection, (600hr) Fuel Inlet Screen Inspection;
 (600hr) Fuel Manifold P/N 3119855-01 & (13) Fuel Nozzles P/N 3119855-01, (600 hr) Periodic boroscope inspection, (600 hr/12 mths) Engine magnetic chip detector bridge inspection, (600 hr) Drain and service engine oil with BP2380, and (200 hr) Engine magnetic chip detector inspection
 Installed Overhauled Overspeed Governor P/N 210962D S/N 14529309
 CAW SOAP and sent for analysis. Performed Engine Run IAW Paggio MM 71-00-00.
MAINTENANCE RELEASE

4-Apr-2013 I certify that this ENGINE was inspected IAW P180 AVANTI II & PRATT & WHITNEY inspection programs approved under FAR 91.409 (f) (3) and is approved for return to service, only with reference to work performed.
 Details of repairs are on file with this Repair Station under W/O 9107
 Signed Wanda S. Edwards for INTERCONTINENTAL JET SERVICE CORP
 FAA Repair Station # 122R916K Hangar 27 Tulsa, OK

1 of 1

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 MO
 MO

Engine Airworthiness Directives

PWC 2371(2000-01)



Pratt & Whitney Canada
A United Technologies Company

Pratt & Whitney Canada Corp.
1000, Marie-Victorin
Longueuil, Quebec
Canada J4G 1A1

Page no : 1

PRATT & WHITNEY CANADA

ENGINE BUILD RECORD STATUS

Engine S/N	PCE - RK0207
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THE FOLLOWING SERVICE BULLETINS ARE BASIC TO :

ENGINE SERIAL NO. PCE-RK0207

ENGINE MODEL PT6A-66

BUILD SPEC 676

SERVICE BULLETINS

14005	14013	14014	14017	14019	14021	14022	14025	14026
14027	14032	14034	14036	14037	14038	14039	14042	14043
14047	14048	14051	14052	14055	14061	14067	14071	14072
14075	14077	14078	14080	14086	14087	14089	14092	14093
14094	14096	14097	14098	14100	14101	14103	14104	14105
14106	14107	14108	14110	14111	14112	14115	14117	14119
14122	14124	14125	14127	14129	14139	14143	14144	14145
14147	14156	14159	14160	14163	14164	14165	14167	14168
14169	14174	14175	14182	14189	14198	14202	14207	14213
14214	14215	14216	14218	14219	14222	14223	14225	14233
14239	14244	14252	14253	14258	14259	14260	14266	14269
14272	14273	14275	14277	14280	14283	14289	14294	14295
14297	14299	14308	14314	14317	14329	14332	14333	14337
14342	14344	14346	14353	14361	14362	14364	14367	14368
14369	14374	14377	14381	14386	14390	14392	14393	

Reference	A.D.'s	Sign	Lic. # or Stamp	Date
CF-96-24 FAA A.D. 97-04-12	To preclude malfunction of the compressor bleed off valve. S.B. 14251 or its later revision or superseding S.B. incorporated at manufacture.	<i>R. J. DAVIES</i> R. J. DAVIES	T.O. 4-66 NO. 004	2 2 JAN 2007

APPROVED BY :  T.O. 4-66 NO. 028

DATE : 2007.02.02



PT6A

ENGINE LOGBOOK

PT6A Turboprop

PCE-RK0207



Pratt & Whitney Canada
A United Technologies Company



U.S. Department
of Transportation
**Federal Aviation
Administration**

North Florida Flight Standards District Office

5601 Mariner Street
Suite 310
Tampa, FL 33609-3416
813-287-4900 Fax 813-287-4940

April 23, 2007

Mr. Kevin Beitzel
Avantair
4311 General Howard Drive
Clearwater, Florida 33762

Dear Mr. Beitzel:

This office concurs with your request for an increase of the TBO interval from 3600 hours to 4100 hours for your fleet of PT6A-66 engines in accordance with Pratt & Whitney Canada letter, dated March 12, 2007. You must follow the guidelines set forth in the letter as well as SB 14603. A copy of this letter and the letter from Pratt & Whitney must be placed in the Maintenance Records of all aircraft in your fleet.

If you have any questions, I may be contacted at (813) 287-4922.

Sincerely,

A handwritten signature in black ink, appearing to read "L. M. Nevin".

Linda M. Nevin
Principal Maintenance Inspector

Pratt & Whitney Canada Corp.
1000 Marie-Victorin
Longueuil, Quebec, Canada J4G 1A1
(450) 677-9411



Pratt & Whitney Canada

A United Technologies Company

12 March 2007

AvantAir
4311 General Howard Dr.
Clearwater, FL 33762

Fax No. (727) 539-0072

Subject: TBO Evaluation PT6A-66
Engine S/N PCE-RK0050
Our STP # 3488

Dear Mr. Grogan:

We have reviewed the TBO Evaluation Report forwarded to us by Pratt & Whitney Canada Engine Services, Inc for Engine S/N PCE-RK0050 TSN: 3505.9 hours. The engine has been found to be in an acceptable condition for the hours operated. The engine is considered a valid sample for the purpose of conducting a hardware evaluation for TBO escalation purposes.

Subject to approval by your local airworthiness authorities, an increase in TBO interval from 3,600 hours to 4,100 hours is recommended for your fleet of PT6A-66 engines and other similar engines as defined in SB No14603

The above TBO recommendation applies only for engines in your fleet that are either within their first TBO period or have been overhauled by a P&WC recommended facility.

Yours truly,

PRATT & WHITNEY CANADA CORP.



John Burns
Service Engineering
Small Turboprops, Customer Support

bcc: G. Mulas
N.Ouellette-Houde
Engine File
Customer File

Pratt & Whitney Canada Corp.
100C, Marie-Victorin
Longueuil, Quebec, Canada J4G 1A1
Tel. (450) 677-9411 Fax. (450) 647-9224



Pratt & Whitney Canada

A United Technologies Company

June 4th, 2012

Avantair, Inc
Joe Cusimano
Engine Program Manager.
Phone (727)539-0071 Ext.270
Cell (727)253-9527
Fax (727)539-0072

Bonjour Mr.Cusimano,

P&WC does not install PMA parts into engines. It is against P&WC rules to do so.

P&WC procedure clearly state that << PMA parts will not be installed or left in an engine when they are found installed, unless they are approved PMA parts by P&WC. >> The Timken parts affected by the AD 2012-09-10 pertaining to PT6A-66 & 66B engines are not approved by P&WC. If the parts are not supported by the P&WC illustrated parts catalogue, they are unacceptable; the P&WC parts catalogue does not have an "E" in the part number for the parts referenced in the AD.

P&WC policy & procedure are clearly against non-approved PMA parts installation.

Best Regards.

Pierre Herron,
Customer Engineer,
PT6A Customer Engineering,
Pratt & Whitney Canada Corp.,
Ph.: 450-647-7362 Fax: 450-647-6908



May 23, 2012

Attention: To whom it may concern

Subject: AD FAA-2012-0417

DAI does not sell, install or re-install PMA parts. The only exception is if a customer signs a waiver for the re-use of PMA parts. This is then stated on the W/O and will be noted in the logbook. Any replacement or new PMA parts must be supplied by the customer, along with the aforementioned waiver. Dallas Airmotive has not installed any of the parts listed within AD FAA-2012-0417 into Avantair engines.

Dallas Airmotive.

Trent Edmondson
Manager
Quality Control


6114 Forest Park Rd.
Dallas, TX 75235
Tel: (214) 956-2593
Fax: (214) 956-2811
Mobile: (214) 878-0796
Toll Free: (800) 527-5003
tedmondson@dallasairmotive.com

BBA AVIATION
BUSINESS GROUP

AD 2012-09-10, Amendment Number: 39-17045

Dated: 06.23.12, N/A to engine RK0207- Reference Letters from Pratt & Whitney

Canada dated: 06.04.12 and Dallas Airmotive Dated: 05.23.12

Signature  955 **A&P:** 3447739



214



AVANTAIR SERVICEABLE

Facility PIE

Part Name Zinlet Adapter

Part Number 3119856-01 (1)

Serial Number ---

AC Model P180 II

AC Tail Number K116P5L

AC Serial Number 1181

OH Repaired Removed Serviceable

New Bench/Function Check

Life limited Parts Status

TSN --- CSN ---

TSO 0.0 CSO 0

The technician's signature constitutes release for service of part
in accordance with F.A.R. Part 43.

Work Order # 12931 Date 11-16-2011

Technician (Signature) [Signature]

Employee # 1075 Cert. A-P 509208

AA-SERV See reverse for description of service

Description of Services Performed

Cleaned, Inspected,
leaked and glow
tested. Results
satisfactory. All
work performed per
PWUC N/M 303&127
Rev 38 section 23-11-05.

Removed from SS10
PCE-RRK0207

Installed on Aircraft

AC Model P180II

AC Tail Number N1913L

AC Serial Number 194

Work Order # 13169

Date: 12-1-2011



R4



AVANTAIR SERVICEABLE

Facility PIE

Part Name Duplex Fuel Manifold

Part Number 3119855-01 (13)

Serial Number 1

AC Model P180II

AC Tail Number N1685L

AC Serial Number 1131

O/H Repaired Removed Serviceable

New Bench/Function Check

Life limited Parts Status

TSN 1 CSN 1

TSO 0.0 CSO 0

The technician's signature constitutes release for service of part
in accordance with F.A.R. Part 43.

Work Order # 22931 Date 11-16-11

Technician (Signature) [Signature]

Employee # 1035 Cert A 575092035

AA-SERV See reverse for description of service

Description of Services Performed

Cleaned, Inspected
Leak checked, and
Flows Tested. Results
satisfactory. All work
performed EAW PIC
M/M 3036122 Rev
38 section 23-11-05

Removed from SN
PCF-RK0207

Installed on Aircraft

AC Model P180II

AC Tail Number N1913L

AC Serial Number 1194

Work Order # 13169

Date: 12-1-2011

Liste des composants moteur à numéros de série Engine Serialized Component Summary



Pratt & Whitney Canada

Une société de United Technologies / A United Technologies Company

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

P&WC JRS-6830-E (05-1998)

Page 1

Modèle Model	PT6A-66	N° de série Serial No.	PCE-RK0207	Caract. de montage Build Spec NO.	BS676	
N° du matériel Material Number	Désignation du matériel Material Name	N° de série Serial No.	Code de trait. thermique Heat Code	N° de série du matériel forgé Forging Serial No.	N° de lot pour trait. thermique Heat Treat Batch No.	N° de matériel du fournisseur Vendor Material No.
3008012	GEAR-PLANET,SECOND STAGE REDUCTION	PKAAA084432 PKAAA084439 PKAAA084466 PKAAA084474 PKAAA084481 PKAAA081333 PKAAA081308 PKAAA086967 BB0053211 BB0053215 BB0053429 PKAAA074621 PKAAA077720 NNA07027689 EAAA000C149 EAAA000N307 PKAAA075654 PKAAA075656 PKAAA075657 A0024NWX A0024L48 9959524504 008110 NB11643 TXA1B0564 TXA1B1490 TXA1B1555 CKKCN01 ND21562 PKAAA064048 EDA00530E NR03157 RWA66A794 PKAA075502 A00236F4 EAAA000B163 FTAA004A481 A00245WV A00245WX A00245WY	LAKLT LAVAZ	5474 5120		
3012286	COUPLING SHAFT FLEX 2ND STAGE RED'N					
3023250	GEAR-SUN,2STG RDCN,46 TEETH					
3023252	ADAPTER-1ST STAGE CARRIER					
3027977	CARRIER-SECOND STAGE REDUCTION					
3028004	BEARING OPTION					
3028007	BEARING-ROLLER FLANGED					
3028455	GEAR - SUN, 1ST STAGE REDUCTION, 26 TEET					
3028683	GEAR RING 2ND STAGE RED'N					
3035889	EXCITER-IGNITION					
3036898	IMPELLER-CENTRIFUGAL					
3037001	ROTOR-COMPRESSOR					
3037305	GEAR-PLANET,1ST STAGE REDUCTION					
3037312	DISC TURBINE					
3037313	DISC-TURBINE					
3038472	FLOW DIVIDER AND PURGE VALVE					
3040760	PUMP-FUEL					
3040933	COMPRESSOR - TURBINE STATOR, ASSY OF					
3040942	ROTOR COMPRESSOR					
3040944	ROTOR - COMPRESSOR					
3040982CL02	VANE RING-POWER TURBINE					
3041123	VANE RING-TURBINE					
3043063	SHAFT-STUB COMPRESSOR ROTOR					
3043705-01	HOUSING-POWER TURBINE STATOR					
3043825-01	WIRING HARNESS T5 THERMOCOUPLE					
3043919-01	DUCT-TURBINE EXHAUST,ASYO					
3053085-01	GEAR - RING FIRST STAGE REDUCTION					
3053740-01	DISC - TURBINE					
3054489-01	SHAFT - PROPELLER					
3055663-01	LINER-COMB CHMBR, OUTER,ASYO					
3056693-01	BLADE-POWER TURBINE(MACHINING)					
3057312	DISC TURBINE					
3057313	DISC-TURBINE					
3058472	FLOW DIVIDER AND PURGE VALVE					
3059524504	PUMP-FUEL					
008110	COMPRESSOR - TURBINE STATOR, ASSY OF					
NB11643	ROTOR COMPRESSOR					
TXA1B0564	ROTOR - COMPRESSOR					
TXA1B1490	ROTOR - COMPRESSOR					
TXA1B1555	VANE RING-POWER TURBINE					
CKKCN01	VANE RING-TURBINE					
ND21562	SHAFT-STUB COMPRESSOR ROTOR					
PKAAA064048	HOUSING-POWER TURBINE STATOR					
EDA00530E	WIRING HARNESS T5 THERMOCOUPLE					
NR03157	DUCT-TURBINE EXHAUST,ASYO					
RWA66A794	GEAR - RING FIRST STAGE REDUCTION					
PKAA075502	DISC - TURBINE					
A00236F4	SHAFT - PROPELLER					
EAAA000B163	LINER-COMB CHMBR, OUTER,ASYO					
FTAA004A481	BLADE-POWER TURBINE(MACHINING)					
A00245WV						
A00245WX						
A00245WY						

Liste des composants moteur à numéros de série Engine Serialized Component Summary

P&WC JFR-8830-E (05-1998)



Pratt & Whitney Canada

Une société de United Technologies / A United Technologies Company

Pratt & Whitney Canada Cie. /
Pratt & Whitney Canada Corp.
1000, Marie-Victorin
Longueuil, Québec, Canada
J4G 1A7
450-677-9411

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Modèle Model	PT6A-66	N° de série Serial No.	PCE-RK0207	Caract. de montage Build Spec NO.	BS676	
N° du matériel Material Number	Désignation du matériel Material Name	N° de série Serial No.	Code de trait. thermique Heat Code	N° de série du matériel forgé Forging Serial No.	N° de lot pour trait. thermique Heat Treat Batch No.	N° de matériel du fournisseur Vendor Material No.
3057249-01	HEATER-OIL TO FUEL	A00245X0 A00245X1 A0024913 A00249T2 A00249T4 A00249T5 A00249T6 A00249T7 A00249T8 A00249T9 A00249TA A00249TB A00249TE A00249TF A00249TH A00249TK A00249WM A00249WN A00249WP A00249X5 A00249X6 A00249X7 A0024A0E A0024A0F A0024A0W A0024A0Y A0024A2N A0024A2P A0024A2R A0024A2T A0024A2W A0024A2X A0024A30 A0024A32 A0024A33 A0024A34 A0024A35 A0024A36 A0024A37 WA28731				

Liste des composants moteur à numéros de série Engine Serialized Component Summary



Pratt & Whitney Canada

Une société de United Technologies / A United Technologies Company

Pratt & W
Canada Cie. /
Pratt & Whitney Canada Corp.
1000, Marie-Victoria
Longueuil, Québec, Canada
J4G 1A1
450-677-9411

P&WC JRS-6830-E (05-1998)

Page 3

Modèle Model	PT6A-66	N° de série Serial No.	PCE-RK0207	Caract. de montage Build Spec NO.	BS676	
N° du matériel Material Number	Désignation du matériel Material Name	N° de série Serial No.	Code de trait. thermique Heat Code	N° de série du matériel forgé Forging Serial No.	N° de lot pour trait. thermique Heat Treat Batch No.	N° de matériel du fournisseur Vendor Material No.
3059835-01	VALVE-COMPRESSOR BLEED, ASSY	AHX007359				
3070217-01	GEARSHAFT STARTER GENERATOR DRIVE	PKAAA061100				
3070673-01	HOUSING-POWER TURBINE SHAFT ASSY OF	LP A02917				
3101419-01	CARRIER-FIRST STAGE REDUCTION	PKAAA046562				
3102227-01	BEARING-BALL FLANGED	BB0054043				
3107525-01	COUPLING-POWER, TURBINE	PKAAA068690	EPBTO			
3109239-01	BUS BAR-NEGATIVE TERMINAL, T5	NR07164				
3109251-01	BUS BAR-POSITIVE TERMINAL, T5	NR07152				
3112272-01	SHAFT-POWER, TURBINE	RWA50A379	KAWBU			
3112272-01	HOUSING ASSY-PROP REDN G.B.FR.	A0024730				
3112368-01	BEARING-ROLLER FLANGED..94X1.65X.47	FAA0639215				
		FAA0639216				
		FAA0639217				
		FAA0639218				
		FAA0639219				
		FAA0639243				
		FAA0639253				
		FAA0639254				
		FAA0639255				
		FAA0639256				
		PKAAA064121				
		FCN183097				
		FAA0634161				
		PKAAA073855				
		A0023YB2				
		14966774				
		RWA4A8A879	EPEIB			
		14966508				
		RWA67A939				
3112612-01	COUPLING-COMPRESSOR, REAR HUB					
3112696-03	BEARING BALL, 1.181X2.8345X.743, FLG					
3113589-01	BEARING-BALL, 1.450X3.600X1.000					
3113744-01	COUPLING-POWER TURBINE SHAFT					
3116790-01	LINER-COMB CHMBR INNER, ASYO					
3118495-03	GOVERNOR-PROPELLER					
3120663-01	SHAFT-STUB-COMPRESSOR-ROTOR					
3120832-04	FUEL CONTROL UNIT					
3123229-01	CASE ASYO-GAS GENERATOR					
Approved By <i>F. J. Davies</i>	7.0, C-56 NO. 034 F. J. DAVIES					Date 2007.01.22

Historique du matériel à durée de vie limitée Life Limited Material History Record

Numéro du dessin ST3582-01 - Drawing Number ST3582-01

P&WC JR3-6834-E (8893) (2004-02)



Pratt & Whitney Canada
Une société de United Technologies/A United Technologies Company

Pratt & Whitney Canada, Inc. /
Pratt & Whitney Canada Corp.
1000, Marie-Victorin
Longueuil, Québec
Canada J4G 1A1

Designation du matériel Material Name IMPPELLER-CENTRIFUGAL		Code de traitement thermique Heat Code PZBXF		Émis le (A-M-J) Issue Date (Y-M-D) 2007.01.22	
N° du matériel Material No. 3036898	N° de série du matériel Material Serial No. EAAA000C149	N° de série du mat'l. forgé Forging Mat'l. Serial No. 003	Temps depuis neuf Time Since New 0	Cycles depuis neuf Cycles Since New 0	

Données sur le moteur / module - Engine / Module Data

Nota : Pour connaître les durées de vie accumulée et résiduelle du matériel, consulter le Manuel d'entretien du moteur ou le Bulletin de service approprié, selon le cas.

Note: For determination of accumulated and remaining lives on this material, refer to the engine Maintenance Manual or Service Bulletin, as applicable.

Temps de fonctionnement depuis l'installation du matériel Engine/Module TSN When Material Installed	N° de série du moteur / module Engine / Module Serial No.	Modèle Model	Temps de fonctionnement depuis l'enlèvement du matériel Eng / Module TSN When Material Removed	Cumul. de cette installation Accumulated This Installation		Cumul. jusqu'à présent Total Accumulated To Date		Date (A-M-J) (Y-M-D)	Observations (Installation d'entretien, de révision, Bulletin de vente et timbre du vérificateur) Remarks (Maintenance/Overhaul, Facility, Sales Order & Inspection stamp)
				Temps - Time	Cycles	Temps - Time	Cycles		
0	PCE-RK0207	PT6A-66	0						

Insérer le présent historique dans le livr du moteur ou du module où la pièce est installée. - This record must be kept with the engine/module logbook where this part is installed.

Historique du matériel à durée de vie limitée

Life Limited Material History Record

Numéro du dessin ST3582-01 - Drawing Number ST3582-01

PAWC JR3-6834-E (6834) (2004-02)



Pratt & Whitney Canada
 Une société de United Technologies / A United Technologies Company

Pratt & Whitney Canada Inc. /
 Pratt & Whitney Canada Corp.
 1000, Marie-Victorin
 Longueuil, Québec
 Canada J4G 1A1

Désignation du matériel
 Material Name

ROTOR-COMPRESSOR

Code de traitement thermique
 Heat Code

EPDWC

Émis le (A-M-J)
 Issue Date (Y-M-D)

2007.01.22

Nota : Pour connaître les durées de vie accumulées et résiduelle du matériel, consulter le Manuel d'entretien du moteur ou le Bulletin de service approprié, selon le cas.

N° du matériel
 Material No.

3037001

N° de série du matériel
 Material Serial No.

EAAA000N307

N° de série du matl. forgé
 Forging Matl. Serial No.

64

Temps depuis
 neuf
 Time Since New

0

Cycles depuis
 neuf
 Cycles Since New

0

Note: For determination of accumulated and remaining lives on this material, refer to the engine Maintenance Manual or Service Bulletin, as applicable.

Données sur le moteur / module - Engine / Module Data

Données sur le matériel - Material Data

Temps de fonctionnement depuis l'installation du matériel Engine/Module TSN When Material Installed	N° de série du moteur / module Engine / Module Serial No.	Modèle Model	Temps de fonctionnement depuis l'enlèvement du matériel Eng / Module TSN When Material Removed
0	PCE-RK0207	PT6A-66	0

Cumul. de cette installation
 Accumulated This Installation

Cumul. jusqu'à présent
 Total Accumulated To Date

Date
 (A-M-J)
 (Y-M-D)

Observations
 (Installation d'entretien, de révision, Bulletin de vente et timbre du vérificateur)
 Remarks
 (Maintenance/Overhaul, Facility, Sales Order & inspection stamp)

Insérer le présent historique dans le livre du moteur ou du module où la pièce est installée. - This record must be kept with the engine/module logbook where this part is installed.

Historique du matériel à durée de vie limitée Life Limited Material History Record

Numéro du dessin ST3582-01 - Drawing Number ST3582-01

PAWC JRS-8834-E 18834 (2004-02)



Pratt & Whitney Canada
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Pratt & Whitney Canada, Inc. /
Pratt & Whitney Canada Corp.
1000, Marie-Victorin
Longueuil, Québec
Canada J4G 1A1

Désignation du matériel
Material Name

DISC TURBINE

Code de traitement thermique
Heat Code

LAKLT

Emis le (A-M-J)
Issue Date (Y-M-D)

2007.01.22

Nota : Pour connaître les durées de vie accumulée et résiduelle du matériel, consulter le Manuel d'entretien du moteur ou le Bulletin de service approprié, selon le cas.

N° du matériel
Material No.

3037312

N° de série du matériel
Material Serial No.

A0024NWVX

N° de série du mat'l. forgé
Forging Mat'l. Serial No.

5474

Temps depuis
neuf
Time Since New

0

Cycles depuis
neuf
Cycles Since New

0

Note: For determination of accumulated and remaining lives on this material, refer to the engine Maintenance Manual or Service Bulletin, as applicable.

Données sur le moteur / module - Engine / Module Data

Données sur le matériel - Material Data

Temps de fonctionnement depuis l'installation du matériel Engine/Module TSN When Material Installed	N° de série du moteur / module Engine / Module Serial No.	Modèle Model	Temps de fonctionnement depuis l'enlèvement du matériel Eng / Module TSN When Material Removed	Cumul. de cette installation Accumulated This Installation		Cumul. jusqu'à présent Total Accumulated To Date		Date (A-M-J) (Y-M-D)	Observations (Installation d'entretien, de révision, Bulletin de vente et timbre du vérificateur) Remarks (Maintenance/Overhaul, Facility, Sales Order & Inspection stamp)
				Temps - Time	Cycles	Temps - Time	Cycles		
0	PCE-RK0207	PT6A-66	0						

Insérer le présent historique dans le livre du moteur ou du module où la pièce est installée. - This record must be kept with the engine/module logbook where this part is installed.

Historique du matériel à durée de vie limitée Life Limited Material History Record

Numéro du dessin ST3582-01 - Drawing Number ST3582-01

P&W J13-8834-E (6834) (2004-02)



Pratt & Whitney Canada
Une société de United Technologies / A United Technologies Company

Pratt & Whitney Canada Inc. /
Pratt & Whitney Canada Corp.
1000, Marie-Victorin
Longueuil, Québec
Canada J4G 1A1

Désignation du matériel
Material Name

DISC-TURBINE

Code de traitement thermique
Heat Code

LAYAZ

Émis le (A-M-J)
Issue Date (Y-M-D)

2007.01.22

N° du matériel
Material No.

3037313

N° de série du matl. forgé
Forging Matl. Serial No.

5120

Temps depuis
neuf
Time Since New

0

Cycles depuis
neuf
Cycles Since New

0

N° de série du matériel
Material Serial No.

A0024148

Données sur le matériel - Material Data

Nota : Pour connaître les durées de vie accumulées et résiduelle du matériel, consulter le Manuel d'entretien du moteur ou le Bulletin de service approprié, selon le cas.
Note: For determination of accumulated and remaining lives on this material, refer to the engine Maintenance Manual or Service Bulletin, as applicable.

Données sur le moteur / module - Engine / Module Data

Temps de fonctionnement depuis l'installation du matériel
Engine/Module TSN When Material Installed

0

N° de série du moteur / module
Engine / Module Serial No.

PCE-RK0207

Modèle
Model

PT6A-66

Temps de fonctionnement depuis l'enlèvement du matériel
Eng / Module TSN When Material Removed

0

Cumul. de cette installation
Accumulated This Installation

Temps - Time

Cycles

Cumul. jusqu'à présent
Total Accumulated To Date

Temps - Time

Cycles

Date
(A-M-J)
(Y-M-D)

Observations
(Installation d'entretien, de révision, Bulletin de vente et timbre du vérificateur)
Remarks
(Maintenance/Overhaul, Facility, Sales Order & Inspection stamp)

Insérer le présent historique dans le livre du moteur ou du module où la pièce est installée. - This record must be kept with the engine/module logbook where this part is installed.

Historique du matériel à durée de vie limitée Life Limited Material History Record

Numéro du dessin ST3582-01 - Drawing Number ST3582-01

P&WC J1R3-6934-E [6934] (2004-02)



Pratt & Whitney Canada
Une société de United Technologies / A United Technologies Company

Pratt & Whitney Canada Cie. /
Pratt & Whitney Canada Corp.
1000, Marie-Victorin
Longueuil, Québec
Canada J4G 1A1

Désignation du matériel Material Name ROTOR COMPRESSOR		Code de traitement thermique Heat Code EPEFN		Émis le (A-M-J) Issue Date (Y-M-D) 2007.01.22	
N° du matériel Material No. 3040933	N° de série du matériel Material Serial No. TXA1B0564	N° de série du matl. forgé Forging Matl. Serial No. 90	Temps depuis neuf Time Since New 0	Cycles depuis neuf Cycles Since New 0	

Nota : Pour connaître les durées de vie accumulées et résiduelle du matériel, consulter le Manuel d'entretien du moteur ou le Bulletin de service approprié, selon le cas.

Note: For determination of accumulated and remaining lives on this material, refer to the engine Maintenance Manual or Service Bulletin, as applicable.

Temps de fonctionnement depuis l'installation du matériel Engine/Module TSN When Material Installed	N° de série du moteur / module Engine / Module Serial No.	Modèle Model	Temps de fonctionnement depuis l'enlèvement du matériel Eng / Module TSN When Material Removed	Cumul. de cette installation Accumulated This Installation		Cumul. jusqu'à présent Total Accumulated To Date		Date (A-M-J) (Y-M-D)	Observations (Installation d'entretien, de révision, Bulletin de vente et timbre du vérificateur) Remarks (Maintenance/Overhaul, Facility, Sales Order & Inspection Stamp)
				Temps - Time	Cycles	Temps - Time	Cycles		
0	PCE-RK0207	PT6A-66	0						

Insérer le présent historique dans le livre du moteur ou du module où la pièce est installée. - This record must be kept with the engine/module logbook where this part is installed.

Historique du matériel à durée de vie limitée Life Limited Material History Record

Numéro du dessin ST3582-01 - Drawing Number ST3582-01

P&WC JRS-6834-E (6834) (2004-02)



Pratt & Whitney Canada
Une société de United Technologies/A United Technologies Company

Pratt & Whitney Canada Cie /
Pratt & Whitney Canada Corp.
1000, Marie-Victorin
Longueuil, Québec
Canada J4G 1A1

Désignation du matériel
Material Name

ROTOR - COMPRESSOR

Code de traitement thermique
Heat Code

EPEFN

Émis le (A-M-J)
Issue Date (Y-M-D)

2007.01.22

N° du matériel
Material No.

3040942

N° de série du matériel
Material Serial No.

TXA1B1490

N° de série du mat^l. forgé
Forging Mat^l. Serial No.

3

Temps depuis
neuf
Time Since New

0

Cycles depuis
neuf
Cycles Since New

0

Données sur le matériel - Material Data

Nota : Pour connaître les durées de vie accumulées et résiduelle du matériel, consulter le Manuel d'entretien du moteur ou le Bulletin de service approprié, selon le cas.

Note: For determination of accumulated and remaining lives on this material, refer to the engine Maintenance Manual or Service Bulletin, as applicable.

Temps de fonctionnement depuis l'installation du matériel
Engine/Module TSN When Material Installed

0

N° de série du moteur / module
Engine / Module Serial No.

PCE-RK0207

Modèle
Model

PT6A-66

Temps de fonctionnement depuis l'enlèvement du matériel
Eng / Module TSN When Material Removed

0

Cumul. de cette installation
Accumulated This Installation

Temps - Time

Cycles

Cumul. jusqu'à présent
Total Accumulated To Date

Temps - Time

Cycles

Date
(A-M-J)
(Y-M-D)

Observations
(Installation d'entretien, de révision, Bulletin de vente et timbre du vérificateur)
Remarks
(Maintenance/Overhaul, Facility Sales Order & Inspection stamp)

Insérer le présent historique dans le livre du moteur ou du module où la pièce est installée. - This record must be kept with the engine/module logbook where this part is installed.

Historique du matériel à durée de vie limitée Life Limited Material History Record

Numéro du dessin ST3582-01 - Drawing Number ST3582-01
P&WC JR3-6834-E [8834] (2004-02)



Pratt & Whitney Canada
Une société de United Technologies / A United Technologies Company

Pratt & Whitney Canada Inc. /
Pratt & Whitney Canada Corp.
1000, Marie-Victorin
Longueuil, Québec
Canada J4G 1A1

Désignation du matériel Material Name ROTOR - COMPRESSOR	Code de traitement thermique Heat Code EPEKH
Émis le (A-M-J) Issue Date (Y-M-D) 2007.01.22	N° de série du matéri. Material Serial No. TXA1B1555
N° du matériel Material No. 3040944	N° de série du matéri. Material Serial No. 173
Données sur le moteur / module - Engine / Module Data	N° de série du matéri. forgé Forging Mat'l. Serial No. 0
Temps de fonctionnement depuis l'enlèvement du matériel Time Since New 0	Cycles depuis neuf Cycles Since New 0

Nota : Pour connaître les durées de vie accumulées et résiduelle du matériel, consulter le Manuel d'entretien du moteur ou le Bulletin de service approprié, selon le cas.

Note: For determination of accumulated and remaining lives on this material, refer to the engine Maintenance Manual or Service Bulletin, as applicable.

Temps de fonctionnement depuis l'installation du matériel Engine/Module TSN When Material Installed	N° de série du moteur / module Serial No.	Modèle Model	Temps de fonctionnement depuis l'enlèvement du matériel Eng / Module TSN When Material Removed	Cumul. de cette installation Accumulated This Installation		Cumul. jusqu'à présent Total Accumulated To Date		Date (A-M-J) (Y-M-D)	Observations (Installation d'entretien, de révision, Bulletin de vente et timbre du vérificateur) Remarks (Maintenance/Overhaul, Facility, Sales Order & Inspection stamp)
				Temps - Time	Cycles	Temps - Time	Cycles		
0	PCE-RK0207	PT6A-66	0						

Insérer le présent historique dans le livre du moteur ou du module où la pièce est installée. - This record must be kept with the engine/module logbook where this part is installed.

Historique du matériel à durée de vie limitée Life Limited Material History Record

Numéro du dessin ST3582-01 - Drawing Number ST3582-01

P&WC JR3-8834-E (8834) (2004-02)



Pratt & Whitney Canada
Une société de United Technologies / A United Technologies Company

Pratt & Whitney Canada, c/o,
Pratt & Whitney Canada Corp.
1000, Marie-Victorin
Longueuil, Québec
Canada J4G 1A1

Désignation du matériel
Material Name

SHAFT-STUB,COMPRESSOR ROTOR

Code de traitement thermique
Heat Code

EPEGJ

Émis le (A-M-J)
Issue Date (Y-M-D)

2007.01.22

Nota : Pour connaître les durées de vie
accumulées et résiduelle du matériel,
consulter le Manuel d'entretien du
moteur ou le Bulletin de service
approprié, selon le cas.

N° du matériel
Material No.

3043063

N° de série du matériel
Material Serial No.

PKAAA064048

N° de série du mat. forgé
Forging Mat. Serial No.

130

Temps depuis
neuf
Time Since New

0

Cycles depuis
neuf
Cycles Since New

0

Données sur le moteur / module - Engine / Module Data

Données sur le matériel - Material Data

Note: For determination of accumulated
and remaining lives on this material, refer
to the engine Maintenance Manual or
Service Bulletin, as applicable.

Temps de fonctionnement depuis l'installation du matériel Engne/Module TSN When Material Installed	N° de série du moteur / module Engine / Module Serial No.	Modèle Model	Temps de fonctionnement depuis l'enlèvement du matériel Eng / Module TSN When Material Removed
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0

PCE-RK0207

PT6A-66

0

Cumul. de cette installation
Accumulated This Installation

Temps - Time

Cycles

Cumul. jusqu'à présent
Total Accumulated To Date

Temps - Time

Cycles

Date
(A-M-J)
(Y-M-D)

Observations
(Installation d'entretien, de révision, Bulletin
de vente et timbre du vérificateur)
Remarks
(Maintenance/Overhaul, Facility, Sales
Order & Inspection stamp)

Insérer le présent historique dans le livre du moteur ou du module où la pièce est installée. - This record must be kept with the engine/module logbook where this part is installed.

Historique du matériel à durée de vie limitée Life Limited Material History Record

Numéro du dessin ST3582-01 - Drawing Number ST3582-01

P&WC JR3-6834-E (6834) (2004-02)



Pratt & Whitney Canada
Une société de United Technologies / A United Technologies Company

Pratt & Whitney Canada Cie. /
Pratt & Whitney Canada Corp.
1000, Marie-Victorin
Longueuil, Québec
Canada J4G 1A1

Désignation du matériel Material Name DISC - TURBINE		Code de traitement thermique Heat Code EPEFV		Émis le (A-M-J) Issue Date (Y-M-D) 2007.01.22	
N° de matériel Material No. 3053740-01		N° de série du matériel Material Serial No. A00236F4		N° de série du mat. forgé Forging Matl. Serial No. 108	
				Temps depuis neuf Time Since New 0	
				Cycles depuis neuf Cycles Since New 0	

Nota : Pour connaître les durées de vie accumulées et résiduelle du matériel, consulter le Manuel d'entretien du moteur ou le Bulletin de service approprié, selon le cas.

Note: For determination of accumulated and remaining lives on this material, refer to the engine Maintenance Manual or Service Bulletin, as applicable.

Temps de fonctionnement depuis l'installation du matériel Engine/Module TSN When Material Installed	N° de série du moteur / module Engine / Module Serial No.	Modèle Model	Temps de fonctionnement depuis l'enlèvement du matériel Eng / Module TSN When Material Removed	Cumul. de cette installation Accumulated This Installation		Cumul. jusqu'à présent Total Accumulated To Date		Date (A-M-J) (Y-M-D)	Observations (Installation d'entretien, de révision, Bulletin de vente et timbre du vérificateur) Remarks (Maintenance/Overhaul, Facility, Sales Order & Inspection stamp)
				Temps - Time	Cycles	Temps - Time	Cycles		
0	PCE-RK0207	PT6A-66	0						

Insérer le présent historique dans le livre du moteur ou du module où la pièce est installée. - This record must be kept with the engine/module logbook where this part is installed.

PT6A-66 S/N:PCE-RK0207 FINAL ACCEPTANCE TEST RECORD

2007 JAN 21 TEST CELL : 3202 BUILD SPEC. : 676

ENGINE TESTED AND ACCEPTED IN ACCORDANCE WITH ERTI : 453

FINAL VANE FLOW AREAS FIRST STAGE : 21513 2S9 7.16

SECOND STAGE : 01466 2S2 23.83

PERFORMANCE DATA

TAKE-OFF

PART-POWER

PROP SPEED 2000. 2000. 2000. 2000. 2000. 2000.

S.L.S. STD. DAY POWER 850. 850. 850. 850. 850. 850.

I.T.T. (T5A TRIMMED) DEG R 1681. 1664. 1622. 1605. 34150.

T5D (DERIVED) DEG R 1720. 1650. 1605. 1605. 34150.

GAS GEN. SPEED RPM 34550-35150 34800. 0.683 0.658

SFC @ 18400 BTU/LB LB/SHP.HR 0.683 0.658

PRESSURE RATIO @ 34500 RPM 7.91 7.75

FUEL TYPE : CPW 204 TEST LHV : 18540. BTU/LB

S.G. : 0.814 @ 46. DEG F

OIL TYPE : PWA 521 OIL CONSUMPTION : 0.0 LB/HR

T.O. OIL PRESSURE : 118.0 PSI

OIL TEMPERATURE : 152.4 DEG F

I.T.T. TRIM DELTA T (UNTRIMMED-TRIMMED) : 0.0 DEG F

I.T.T. TRIM DELTA T (UNTRIMMED-TRIMMED) : 0.0 DEG C

I.T.T. TRIM CLASS : 20

TRIM RESISTANCE : INFINITY OHMS

COLD HARNESS RESISTANCE : 1.48 OHMS

B.O.V. SEAT CLASS AS TESTED : 12

B.O.V. SEAT CLASS AS SHIPPED : 16

HANDLING AND CONTROL SETTINGS

TRIMMED MAX NG : N/A RPM

UNTRIMMED MAX NG : 39000 RPM

DATA PLATE SPEED : 34800 RPM

IDLE SPEED : 20294 RPM

ACCEL. TIME F.I. TO MAX @ T1 : 2.18 SECS @ 36.9 DEGF

ENGINE DRY WEIGHT : 453.5 LBS.

PRODUCTION SIGNATURE : *Kenn Macdonald*

INSPECTION SIGNATURE : *[Signature]*

GOVERNMENT INSPECTOR :

THE UNDERSIGNED CERTIFIES THAT THIS RECORD ACCURATELY SETS FORTH THE EVENTS DURING THE TEST MADE ON THE ENGINE THEREIN IDENTIFIED.

DATE 22 JAN 2007

FOREMAN, ASSY. & TEST INSP :

R. J. DAVIES

NO. 004



[Handwritten signature]

P.180 AVANTI ENGINE GROUND RUN CHECK SHEET

Airplane Serial No: 1131 Reg. No: N163JL Flying Hrs: 5960.3
 LH Engine Ser. No: PCERK-0208 Operating Hrs. TT: 5948.2 TSO 1989.8
 RH Engine Ser. No: PCERK-0207 Operating Hrs. TT: 5948.2 TSO 1989.8
 LH Propeller Ser. No: KU-038 Operating Hrs. TT: 7817.3 TSO 1989.8
 RH Propeller Ser. No: HF-223 Operating Hrs. TT: 4792.4 TSO 1808.2
 Amb. Temp: 28°C Barom. Press: 30.00Hg Date: 8-7-12 Time 2200
 Test Engineer 1: Joel Rivera Test Engineer 2: Jama Jorgensen

Reason for Ground Run: deal Eng. Hot section

Checks required (delete checks not required):

Check No: 1 2 3 4 5 6 7 8 9 10 11 12 13

Check No.	Check	Required	Observed		
			Left	Right	
1	<u>ENGINE START</u>	ITT 1000°C max (5 sec. limit)	709	732	
2	<u>IDLE SPEED CHECK</u> (Required values from Fig. 505)	Ground Idle <u>53.7</u> % Ng	54.0	53.9	
		Flight Idle <u>70.7</u> % Ng	70.8	71.2	
3	<u>GENERATOR CHECK</u>	On Line Output Bus Volts	Before 60% Ng Positive Reading 27.5 to 28	✓ ✓	✓ ✓
				27.9	28.0
4	<u>MAX. PROP. SPEED CHECK</u>	Np 2000 ± 10	1995	1990	
5	<u>FEATHERING CHECK</u> (difference in readings) Ng	0.3% or less	.0	.0	
6	<u>AUTOFEATHER CHECK</u> (write yes or no under observed)	Correct function	FS	FS	
7	<u>UNDERSPEED FUEL GOVERNING CHECK</u>	Np 1900 ± 20 rpm	1885	1880	
8	<u>CHECK FOR INTERFERENCE BETWEEN NORMAL GOVERNING AND OVERSPEED FUEL GOVERNING FUNCTIONS OF THE PROPELLER GOVERNOR</u> (reading difference)	Tq 67.3 %	✓	✓	
		Ng No more than 0.4 % higher	.1	.1	
9	<u>OVERSPEED GOVERNOR CHECK</u>	Governed Np 1840 ± 20 rpm	1820	1820	
10	<u>OIL PRESSURE CHECK</u>	90-135 psig	100	103	
11	<u>ENGINE PERFORMANCE CHECK</u> (Required values from Fig. 511)	98% Target Tq <u>98%</u> lb. ft.	98%	98%	
		Max ITT <u>760</u> °C	765	760	
		Max Ng <u>99.2</u> %	98.4	98.3	
		Max Wf <u>630</u> PPH	598	598	
12	<u>ENGINE SHUTDOWN AND RUNDOWN CHECK</u>	Rundown Time 20 secs. min.	✓	✓	
13	<u>AFTER SHUTDOWN CHECK</u>	No leaks	✓	✓	

TT = Total Time

TSO = Time Since Overhaul

EFFECTIVITY:

71-00-00

1. Approving National Aviation Authority/Country
 FAA/United States

AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

2. Form Tracking Number:
 OH527222



Dallas Airmotive, Inc.
 6114 Forest Park Road
 Dallas, TX 75235

Certificate Number: YRRR491L

3. Work Order/Contract/Invoice Number:
 OH527222

6. Item	7. Description:	8. Part Number	9. Eligibility:*	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	PT6A-66 Engine	3037000	N/A	1 (one)	PCERK0207	OVERHAULED
13. Remarks	TT: 3958.4 TSO: 00.0 CSN: 3022 CSO: Zero					

Overhauled, Tested and Preserved with reference to Pratt & Whitney overhaul Manual 3036123 Revision 28 Dated May 28, 2010 and other data and methods acceptable to the administrator.

Pratt & Whitney Service Bulletins Accomplished:

Gas Generator: 14156.
 Accessory Gearbox: 14374.
 Power Section: 14014, 14071, 14078, 14164, 14398, 14407, 14416.
 General: 14002, 14104, 14125, 14164, 14167, 14168, 14169, 14284, 14362, 14395, 14405, 14411, 14603.

Manufacturer Service Bulletins Accomplished: Woodward: 33531, 33610.

Details on file at this Repair Station under work order/s referenced in block 3 & 5 Inspector:  Date: **JAN 04 2011**

Dallas Airmotive, Inc. certifies that the work specified in Blocks 12 and 13 was performed in accordance with EASA Implementation Rule Part 145 approval, and with respect to that work, the aircraft component is considered ready for release to service under EASA approval number EASA 145.4368

14. Certifies the items identified above were manufactured in conformity to:

- Approved design data and are in a condition for safe operation
- Non-approved design data specified in Block 13

15. Authorized Signature: _____ 16. Approval/Authorization No.: _____ 19. 14 CFR 43.9 Return to Service Other regulation specified in Block 13
 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

20. Authorized Signature: *Gregory J. Dozier* 21. Approval/Certificate No.: YRRR491L

17. Name (Typed or Printed): _____ 18. Date: _____ 22. Name (Typed or Printed): *Gregory J. Dozier* 23. Date: **JAN 04 2011**

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1

Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

Avantair Receiving Inspection Checklist
 To be completed by authorized personnel only

Date: Feb. 3, 2011
 Inspector Name: B. Gray
 Facility: P/E

Confirm the packaging of the part identifies the supplier or distributor and is free from alteration or damage.

Packaging slip identifies vendor and type/name of parts enclosed.

Parts adequately packaged to prevent damage during shipping.

Verify actual part and accompanying documentation reflect the same information.

Part numbers match.

Serial numbers match.

Verify Authorized Release Certificate is properly filled out and appropriately signed as well as traceable to an FAA approved source.

Life/limit times and/or cycles identified on Tag/Form (IF APPLICABLE)

Verify that the life-limit or inspection interval has not expired. (IF APPLICABLE)

Perform visual inspection of the part, looking for obvious defects, damage, etc...

Verify any markings or data plates have not been tampered with or altered.

Verify that any documents referenced on the Authorized Release Certificate are included with the part. (Tear down report, workorder, etc...) (IF APPLICABLE)

Conduct random sampling of standard hardware and inspect for conformity

Part Reserved (if applicable)

No sign of contamination

Part Description: PT6A-66 Engine

Part Number: 303700

Serial Number: PCE-RK-0207

Hours: 0 O/H

Cycles: 0 TT: 3958.4

CSN: 3022

PART ACCEPTED Inspector Initials: [Signature]

PART REJECTED Inspector Initials: _____

REASON FOR REJECTION

[Empty box for Reason for Rejection]

Inspector Signature: [Signature]

Date signed: 2-3-2011



6114 Forest Park Rd
 Dallas, TX 75235-6498
 Certificate No.: YR491L

PT6A-66 Gas Generator S/N: PCERK0207 T.S.N.: 3958.4 C.S.N.: 3022 T.S.O.: 00.0 C.S.O.: Zero

Overhauled, Tested and Preserved with reference to Pratt & Whitney overhaul Manual 3036123 Revision 28 Dated May 28, 2010 and other data and methods acceptable to the administrator. Turbine Vane Ring Area: CT: 7.09

Airworthiness Directive Status: Not Applicable: AD 97-04-12 Amendment 39-9936 Dated March 14, 1997 to installed serial number.

Pratt & Whitney Service Bulletins Accomplished: Gas Generator: 14156.
 Accessory Gearbox: 14374.
 General: 14002, 14104, 14125, 14164, 14167, 14168, 14169, 14284, 14362, 14395, 14405, 14411, 14603.

CORRECTED ENGINE PERFORMANCE

S.H.P.	Ng %	T ₃ °F	T ₃ °C	SFC	Ng Speed	Data Plate Ng Speed	T ₃ Pull Down Required	Compressor Turbine Trim Weights	T ₃ Trimmer
850	92.2	1206	652	0.662	34583	92.2% @ 850 S.H.P.	0.0 °C Adjusted @ ∞ Ω	E10N G13N N/R N/R	P/N: 3053995 Class 20

LIFE LIMITED COMPONENTS INSTALLATION (Note: Refer To S/B 14002, Latest Revision, For Approved Life Limits)

Name	Part Number	Serial Number	Total Hours	Total Cycles	Remarks	Name	Part Number	Serial Number	Total Hours	Total Cycles	Remarks
Impeller	3036898	EAAA000C149	3958.4	3022		Hub - Comp	3043063	PKAAA064048	3958.4	3022	
Rotor - Sig. 4	3040944	TXA1B1555	3958.4	3022		C.T. Disk	3053740-01	A00236F4	3958.4	3022	
Rotor - Sig. 3	3040933	TXA1B0564	3958.4	3022		C.T. Blades	3118991-01	NSN	New	N/A	
Rotor - Sig. 2	3040942	TXA1B1490	3958.4	3022		#1 Mainline Bearing	3113589-01	FAA0634161	3958.4	3022	
Rotor - Sig. 1	3037001	EAAA000N307	3958.4	3022							

ACCESSORY INSTALLATION

Name	Part Number	Serial Number	T.S.O.	Remarks	Name	Part Number	Serial Number	T.S.O.	Remarks
Fuel Control	8063-016A	1523566	00.0	Ex - PCERK0208	Ignition Cables	3119836-01	NSN	New	
Divider Control	3038472	9959524504	00.0		Bleed Valve	3059835-01	AHX007359	00.0	
Fuel Heater	10585K	WA28731	00.0		T ₃ Trimmer	3053995 Class 20	NR00867	00.0	
Fuel Pump	825601-5	008110	00.0		By-Pass Valve	3024996	6176	00.0	
P ₃ Air Filter	3029268	NSN	New		Main Oil Filter	3059258-01	NSN	New	
Exciter	10-381550-4	NNA07329838	00.0		Fuel Nozzles	Various	Various	00.0	

This Engine Has Been Overhauled And Inspected In Accordance With Current Regulations Of The Federal Aviation Administration, Title 14, Code Of Federal Regulations, Part 43 And In Respect To That Work, This Engine Is Approved For Return To Service. Pertinent Details Of This Overhaul Are On File At This Repair Station Under Sales Order OH52722.

Warranty May Be Transferred With Prior Written Consent. Please Call 1.800.527.5003.

Authorized Signature:  Date: January 4, 2011 Prepared By:  Reviewed By: 



PT6A-66 Power Section S/N: PS-RK0207 T.S.N.: 3958.4 C.S.N.: 3022 T.S.O.: 00.0 C.S.O.: Zero
Overhauled, Tested and Preserved with reference to Pratt & Whitney overhaul Manual 3036123 Revision 28 Dated May 28, 2010 and other data and methods acceptable to the administrator. Turbine Vane Ring Area: PT: 23.83

Airworthiness Directive Status: None Applicable.
Pratt & Whitney Service Bulletins Accomplished: Power Section: 14014, 14071, 14078, 14164, 14398, 14407, 14416. General: 14002, 14603.
Manufacturer Service Bulletins Accomplished: Woodward: 33531, 33610.

(SEE Gas Generator Logbook entry for Test Data)

LIFE LIMITED COMPONENTS INSTALLATION (Note: Refer To S/B 14002, Latest Revision, For Approved Life Limits)

Name	Part Number	Serial Number	Total Hours	Total Cycles	Remarks	Name	Part Number	Serial Number	Total Hours	Total Cycles	Remarks
Disk-Stage 1 P.T.	3037312	A0024NWX	3958.4	3022		1 st Stage Sun Gear	3059928-01	PKAAA329764	New	N/A	
Stage 1 Blades	3122972-01	NSN	3958.4	N/A		1 st Stage Planet Gear	3059925-01	Set #AH395	New	N/A	
Disk-Stage 2 P.T.	3037313	A0024L48	3958.4	3022		1 st Stage Planet Gear	3059924-01	PKAAA347774	New	N/A	
Stage 2 Blades	3056693-01	Listed Below	3958.4	N/A		1 st Stage Planet Gear	3059924-01	PKAAA347779	New	N/A	
#4 Mainline Bearing	3112696-03	FCN183097	3958.4	N/A		1 st Stage Planet Gear	3059924-01	PKAAA347766	New	N/A	

Stage 2 P.T. Serialized Blades

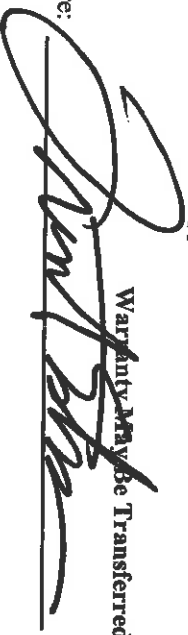


Serial Numbers	Serial Numbers	Serial Numbers	Serial Numbers	Serial Numbers	Serial Numbers	Serial Numbers	Serial Numbers	Serial Numbers	Serial Numbers	Serial Numbers
A00245X1	A00249T9	A0024A2X	A0024A32	A00249TA	A00245WY	A00249T8	A0024A2T	A00245X0		
A0024A0E	A00249X6	A0024A37	A0024A2P	A00249X7	A00249T4	A00249TH	A00249TK	A00249T3		
A0024A2R	A0024A2W	A0024A2N	A0024A0W	A00249TF	A0024A0Y	A00249WM	A00249WN	A00245WX		
A0024A35	A00249T2	A00245WW	A00249WP	A0024A30	A00249TB	A0024A36	A0024A2Y			
A0024A33	A0024A0F	A00249X5	A0024A34	A00249T5	A00249T6	A00249T7	A00249TE			

ACCESSORY INSTALLATION

Name	Part Number	Serial Number	T.S.O.	Remarks	Name	Part Number	Serial Number	T.S.O.	Remarks
OCU - Governor				Not Received	Bus Bar	3109239-01	NR07164	00.0	
CSU - Governor	8210-411	14966774	00.0		Bus Bar	3109240-01	NR07152	00.0	
T ₃ Lead	3043825-01	NR05517	New		Thermocouples	3116132-01	NSN	New	10 each

This Engine Has Been Overhauled And Inspected In Accordance With Current Regulations Of The Federal Aviation Administration, Title 14, Code Of Federal Regulations, Part 43 And In Respect To That Work, This Engine Is Approved For Return To Service. Pertinent Details Of This Overhaul Are On File At This Repair Station Under Sales Order OH527722.

Warranty May Be Transferred With Prior Written Consent. Please Call 1.800.527.5003.

Authorized Signature:  Date: January 4, 2011 Prepared By:  Reviewed By: 

1. Approving National Aviation Authority/Country
 2. **AUTHORIZED RELEASE CERTIFICATE**
 FAA Form 8130-3, AIR WORTHINESS APPROVAL TAG

4. Organization Name and Address
DallasAirmotive
 BBA Aviation
 Dallas Airmotive, Inc.
 21625 North Central Avenue
 Phoenix, AZ 85024

Certificate Number: YRR4491L

3. Form Tracking Number:
 RPR28986-1
 5. Work Order/Contract/Invoice Number:
 RPR28986

6. Item	7. Description:	8. Part Number	9. Eligibility:*	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	CT Disk	3053740-01	N/A	1	A00237PA	REPAIRED

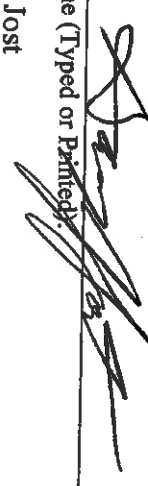
13. Remarks TT: 5954.9 TSO: 1982.3 CSN: 4536 CSO: 1538

Visually inspected, trued and balanced disk assy. Disk O.D. = 9.526". Trim Data installed: E10, G13. All work accomplished with reference to Pratt & Whitney manual P/N 3036123 Rev. # 29 dated 14-Jan-2011, and other data and methods acceptable to the administrator. Removed from engine S/N PCE-RK0203. -----END-----

Details on file at this Repair Station under work order/s referenced in block 3 & 5

14. Certifies the items identified above were manufactured in conformity to:
 Approved design data and are in a condition for safe operation
 Non-approved design data specified in Block 13

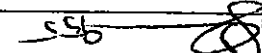
15. Authorized Signature: _____
 16. Approval/Authorization No.: _____
 19. 14 CFR 43.9 Return to Service Other regulation specified in Block 13
 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, Part 43 and in respect to that work, the items are approved for return to service.

20. Authorized Signature: 
 21. Approval/Certificate No.: YRR4491L
 17. Name (Typed or Printed): Gary J Jost
 18. Date: Aug 3 2012

17. Name (Typed or Printed): _____
 18. Date: _____
 22. Name (Typed or Printed): _____
 23. Date: _____

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.
 Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1
 Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

COPIES

Authorized Signature  A&P# 3447739

The above maintenance was performed in accordance with Piaggio, Pratt & Whitney, and Hartzell maintenance and component manuals. The Aircraft, Airframe, Engines, Propellers, or Appliances stated above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved to return to service. Pertinent details are on file with Aviatar, Inc.'s Quality Assurance Department.

Next Hot Section due at TTSN: 7948.2

Removed and installed reworked Hot Section components. Removed and installed serviceable fuel nozzles. All work performed in accordance with section 72-50-01, 72-50-02, 72-40-00 and 73-11-05 in the Pratt & Whitney Canada Maintenance Manual P/N 3036122 Rev. 39.

Hot Section due at TTSN: 5948.2

Model: PT6A-66	TSO: 1989.8	CSO: 1562
Engine S/N: PCE-RK0207	TTSN: 5948.2	TCSN: 4584
DATE: 8/15/2012	Serial #: 1131	IDGS: 4492
N163SL	Piaggio P-180II	AIT: 5960.3
		WO # 17304-N163SL

Aviatar



A/C Serial # 1131

N# 163SL

WORK ORDER: 17304

AIRCRAFT MAINTENANCE LOG

151409

DISCREPANCY

CORRECTIVE ACTION

No: 1	Avtrak Item# 1	Lead: TD 1182	Inspector: SG 822	Parts Tag Attached: Y
Name (Print): Mary L. Peterson		Removed and installed reworked hot section components. All work performed 1/14/12 PUC		
Location: PIE		Date: 8/7/12		
C/W Engine Hot Section Inspection (Engine 1)		72-40-00, and 73-11-05		
P/N OFF: 3053740-01		S/N OFF: A00246AN		WIP# 164445
No: 2	Avtrak Item# 2	Lead: TD 1182	Inspector: SG 822	Parts Tag Attached: Y
Name (Print): Mary L. Peterson		Removed and installed reworked hot section components. All work performed 1/14/12 PUC		
Location: PIE		Date: 8/7/12		
C/W Engine Hot Section Inspection (Engine 2)		72-40-00, and 73-11-05		
P/N OFF: 3053740-01		S/N OFF: A00236FH		WIP# 164453
No: 3	Avtrak Item# 4	Lead: TD 1182	Inspector: SG 822	Parts Tag Attached: Y
Name (Print): Mary L. Peterson		Removed and replaced with serviceable fuel nozzles. All work performed 1/14/12 PUC		
Location: PIE		Date: 8/7/12		
C/W Engine Fuel Nozzle Leak & Functional Test (Engine 1)		73-11-05		
P/N OFF: 3119855-01		S/N OFF: A00237PA		WIP# 164447
P/N OFF: 3119855-01		S/N OFF: A00237PA		WIP# 164445
Signature: [Signature]		Date: 8/15/12		Employee #: 955
Signature: [Signature]		Date: 8/15/12		Employee #: 955