



**PT. SMART CAKRAWALA AVIATION**

## **WORK ORDER**

**Form: SCA/MTC/030**

<b>Subject :</b> <b>Engine Replacement</b>	<b>No.</b>	WO/050-SNK/IX/2023
	<b>Date</b>	8 Sept 2023
	<b>A/C Reg.</b>	PK-SNK C208-00658
<b>Reference :</b> MP C208B Issued 01	<b>Prepared By</b>	TS
	<b>Checked By</b>	CI
	<b>Approved By</b>	TM
<b>To :</b> Engineer In Charge		
<b>Description :</b>  <ol style="list-style-type: none"><li>1. Perform Engine Replacement</li><li>2. Make an entry in Maintenance Log.</li><li>3. Return the Completed Work Order and Form to PPC.</li></ol> <p>#If any finding, please close the routine card, and transferred to inspection card.</p>		
<b>Additional Work :</b>		
<b>Compliance Statement</b>	<b>Sign &amp; Date</b> Company Lic. No.:  (Engineer In Charge)	<b>Signature</b>  (Technical Manager)

**AIRCRAFT CHECK WORK SUMMARY**  
(Form: SCA/MTC/051)

DATE OF ISSUED	JO/WO #	TYPE OF MAINTENANCE	DATE OF ACCOMPLISHED		
8 Sep 2023	WO/050-SNK/IX/2023	Replacement			
A/C Type	Mfg. Serial Number	A/C Registration			
C208	C208-00658	PK-SNK			
<b>AIRCRAFT DATA</b>					
Subject	Pos #	Serial Number (SN)	TTSN/TCSN		
Engine	#1	PCE-PC1288			
	#2	-			
Propeller/Rotor	#1	190345			
	#2	-			
Landing Gear	NLG				
	LH MLG				
	RH MLG				
<b>PACKAGE COVERED</b>					
No	Subject	Qty	Remark		
1	Non-Routine Card	1			
2	Inspection Card	1			
3	Work Order	1			
4	Summary Inspection List	1			
5	Material and Tool List	-			
6	Escalation form	-			
7	CRS (SMI / Unscheduled Maintenance)	1			
<b>INSPECTION CARD (IC) LIST (Finding during maintenance)</b>					
No	Taskcard Ref	Subject	Status		Name/ Sign & Stamp
			Open	Close	
<u>IC-001</u>					
<u>IC-002</u>					
<u>IC-003</u>					
<u>IC-004</u>					
<u>IC-005</u>					
<u>IC-006</u>					

<u>IC-007</u>					
<u>IC-008</u>					
<u>IC-009</u>					
<u>IC-010</u>					
<u>IC-011</u>					
<u>IC-012</u>					
<u>IC-013</u>					
<u>IC-014</u>					
<u>IC-015</u>					

Prepared by :  
Technical Support



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Hani

Checked by :  
Chief Maintenance



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Dodit

Verified by :  
Chief Inspector



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Yanuar

Approved by :  
Technical Manager



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PT. SMART CAKRAWALA AVIATION

## CERTIFICATE RETURN TO SERVICE

### SCHEDULED MAINTENANCE INSPECTION (CRS-SMI)

A/C TYPE : CESSNA 208  
A/C REG : PK-SNK  
MSN : C208-00658

TTSN :  
TCSN :  
DATE :

TYPE OF INSPECTION : ENGINE REPLACEMENT  
DUE AT : 3600 HRS  
REF : MP C208B ISSUED 01

EXCEPTION

#### AUTHORIZED PERSON

I hereby certify that this aircraft has been maintained accordance with CASR and Maintenance Program.  
Aircraft safe and airworthy for flight

NAME	CAT	AMEL/OTR NO	SIGN&STAMP	DATE
	AIRFRAME & POWER PLANT			
	EIRA			

THE NEXT DUE TYPE OF INSPECTION :  
DUE AT :


**Form: SCA/MTC/049**



**SUMMARY INSPECTION ITEMS**  
**(Form: SCA/MTC/050)**

WO Ref: WO/050-SNK/IX/2023

NO.	TASK CARD NO.	DESCRIPTION	DATE	EST MHR	NAME	STAMP
1	NRC-001	ENGINE REPLACEMENT / EO-011				

	<b>INSPECTION CARD</b> (Form: SCA/MTC/ 048)	TECHNICAL DEPARTMENT
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1. CARD #	2. JO/WO #	3. ORIGINATOR	4. CARD REF	5. DATE
6. A/C REG/MSN	7. A/C TYPE	8. TRADE	12. VENDOR ORDER #	
9. ZONE	10. STA	11. MTC TYPE		

13. DESCRIPTION/DEFECT-IF FINDING OF CPCP INSPECTION, PLEASE COMPLETE SET. 20	14 PPC/ENG	15 DATE

16. CORRECTIVE ACTION	17 MECH	18 ENG. LIC	19 DATE
Performed at A/C TT : ..... A/C TC /LDG : .....			

20. CORROSION INFORMATION					
LOCATION	CAUSE OF DAMAGE				
	<input type="checkbox"/> Environment				
	<input type="checkbox"/> Internal Leakage				
CORROSION <input type="checkbox"/> Isolated <input type="checkbox"/> Widespread	<input type="checkbox"/> Chemical Spill				
CORROSION LVL <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3	<input type="checkbox"/> LAV/Galley Spill				
PROPOSED ACTION <input type="checkbox"/> Doublers	<input type="checkbox"/> Blocked Drain				
<input type="checkbox"/> Others	<input type="checkbox"/> Wet Insulation Blanket				
.....	<input type="checkbox"/> Other				
21. If the defect is RII, Please Sign this card finally by RII Inspector				INSP	DATE
NOTICE OF INSPECTOR					

22. PARTS REQUIRED						
PART DESCRIPTION	PART NO	QTY	SERIAL NO		STATUS	
			ON	OFF	CLOSE	OPEN

23. TOOLS REQUIRED			
DESCRIPTION	PART NO. / MODEL	NEXT CALIBRATION DATE	STATUS

### NON ROUTINE CARD (Form: SCA/MTC/047)

1. JO/WO #	2. DATE	3. MTC TYPE	4. A/C REG/MSN
WO/050-SNK/IX/2023		COMPONENT REPLACEMENT	PK-SNK
5. CARD #	6. ATA SPEC	7. TRADE	8. STA
001	72		
9. ZONE	10. PANEL		
ENGINE			

11. DESCRIPTION  
**PERFORM ENGINE REPLACEMENT**  
P/N OFF: PT6A-114A / 3044000 P/N ON: PT6A-114A / 3044000  
S/N OFF: PCE-PC 1988 S/N ON: PCE-PC 1288

REFERENCE	<input checked="" type="checkbox"/> 011/EO/TEK-TS/IX/2023	<input type="checkbox"/>	<input type="checkbox"/> OTHER
RII (*)	<input type="checkbox"/> Y	<input type="checkbox"/> N	MHR :

12. RESULT		MECH	ENG	INSP (*)
<p>Performed at A/C TT : ..... A/C TC /LDG : .....</p>				
FINDING	<input type="checkbox"/> Y	<input type="checkbox"/> N	ACT MHR :	DATE/TIME (DD/MM/YY)
INSPECTION CARD (IC) #				


#### 1. PARTS REQUIRED

DESCRIPTION	PART NO	QTY	REMARK	
			STOCK	STATUS

#### 1. TOOLS REQUIRED

DESCRIPTION	PART NO / MODEL	NEXT CALIBRATION DATE	STATUS

Distribution : 1. White : PPC/Engineering      2. Red : Quality      3. Yellow : Retain on Log Book




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## ENGINEERING ORDER


**011/EO/TEK-TS/IX/2023**

### REMOVAL & INSTALLATION OF ENGINE ASSY PT6A-114A ON CESSNA C208B

**PT. SMART CAKRAWALA AVIATION**


Prepared	Checked	Approved
Technical Support	Chief Inspector	Technical Manager
Signature: 	Signature: 	Signature: 
Name: Dwi M.	Name: Yanuar A. F.	Name: Istiono
Date: 08 Sep 2023	Date: 08 Sep 2023	Date: 08 Sep 2023



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## SMART AVIATION ENGINEERING ORDER

	No. EI: <b>011/EO/TEK-TS/IX/2023</b>	Rev. No. : <b>Original</b>
	Date Issued : <b>08 September 2023</b>	
Task Description : <b>REMOVAL &amp; INSTALLATION OF ENGINE ASSY PT6A-114A ON CESSNA C208B</b>	Data Reference : <ul style="list-style-type: none"> <li>- <b>Model 208 Series Maintenance Manual Revision 37, Revision Date Mar 1, 2020 Chapter 71 Power Plant – Maintenance Practices</b></li> </ul>	
Aircraft Type : <b>CESSNA C208B WITH ENGINE MODEL PT6A- 114A / PT6A114</b>		

	TECHNICAL SUPPORT TECHNICAL DEPARTMENT <b>ENGINEERING ORDER</b>		011/EO/TEK-TS/IX/2023	
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## SMART AVIATION ENGINEERING ORDER

### 1. Description.

This EO is issued, to perform removal & installation checklist powerplant maintenance practices the PT6A-114/PT6A-114A engine on Cessna C208B.

### 2. Aircraft Effectivity.

REGISTRATION	SERIAL NUMBER
PK-SNK	208-00658

### 3. Compliance

The Engine model PT6A-114A have TBO 3600 Hours, do a removal the engine installed on airframe refer to accomplishment instruction task card, and install the overhauled/new engine on the aircraft refer to accomplishment instruction task card.

### 4. Distribution.

TECHNICAL MANAGER	[ ]	MATERIAL SUPPORT	[ ]
SAFETY & QUALITY MANAGER	[ ]	TECHNICAL SUPPORT	[ ]
CHIEF INSPECTOR	[ ]	FILE	[ ]

### 5. Manhours

32.0 man-hour to do the inspection.

### 6. Material.

PWC09-005	Compound, Universal
PWC09-006	Compound, Universal
PWC11-027	Solvent, Petroelum
PWC11-031	Cleaner, Engine

### 7. Special Tool Required.

PWC34300	Stand, Engine
PWC51861-600	Sling Assembly, Engine

### 8. Publication Affected.

None.



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## SMART AVIATION ENGINEERING ORDER

### 9. Accomplishment Instructions.

#### C208B ENGINE REMOVAL

Date : \_\_\_\_\_ Work Number : \_\_\_\_\_

Part No. Engine : PT6A-114A A/C Total Hours : \_4226:11 Hrs\_\_\_\_\_

Ser. No. Engine : PCE-PC 1988 A/C Total Landings : \_5983 Ldg\_\_\_\_\_

Engine Time TSN: 7062:36 Hrs TSO: 3762:13 Hrs

CSN: 106236 Cyc CSO: 7923 Cyc

Removed from A/C Reg. : PK-SNK

Description	Eng.	RII	Remarks
<b>A. REMOVE ENGINE (Refer to Figure 01 and Figure 02)</b>			
<b>CAUTION:</b> Chock main wheels and place a tailstand under tailcone before attempting engine removal.			
1. Turn electrical power off.			
2. Pull fuel firewall shutoff control out (off).			
3. Remove upper cowling doors and lower cowling panels.			
4. Drain residual fuel from lines and fuel filter using filter drain. Remove fuel supply hose at fuel heater. Remove fuel motive flow hose at fuel control unit.			
5. Remove right nose cap and oil cooler.			
6. Remove top cowl center panel assembly and nose cap.			
7. Remove propeller.			



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8. Disconnect and remove propeller speed control cable.			
9. Remove the left nose cap/induction air duct/inertial air separator.			
10. Disconnect cabin heater bleed air line at flow control valve and bleed air hose at mixing air valve.			
11. Remove starter/generator cooling air hose from starter/generator.			
12. Remove engine fire detector wiring harness.			
13. Disconnect electrical wiring connectors and ground wires at the following equipment locations:			
i) Propeller overspeed governor and ITT harness (left front of engine).			
ii) Propeller tachometer generator (right front of engine)			
iii) Cabin bleed air heater flow control valve (lower right side of engine).			
iv) il temperature sensor (right side of engine).			
v) Fuel control heater (right rear of engine).			
vi) Gas generator section tachometer generator (lower right side of engine).			
vii) Starter/generator (center top of engine accessory case).			
viii) Ignition exciter high tension leads at ignition exciter (right engine mount truss).			



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14. Disconnect engine power control cables at fuel control unit.			
15. Remove torquemeter pressure and vent lines at forward upper right side of engine mount truss.			
16. Connect hoist sling to forward and aft lifting brackets and connect sling to engine hoist.			
17. Raise hoist to just support weight of engine and remove nuts and bolts at each of four corners of engine mounting ring.			
18. Ensure all wiring and lines are free, then carefully move hoist and engine forward to clear engine mount truss.			
19. If engine is to be returned for overhaul or replaced, remove the following items:			
i) Engine induction air plenum. Refer to Chapter 71, Engine cowling and Nose Cap - Maintenance Practices.			
ii) Engine mount ring, elastomers, and engine mount brackets. Refer to Chapter 71, Engine mount - Maintenance Practices.			
iii) Propeller overspeed governor. Refer to Chapter 61, Propeller Control - Maintenance Practices.			
iv) Propeller tachometer generator. Refer to Chapter 77, Propeller RPM Indicator - Maintenance Practices.			
v) Oil temperature sensing sensor. Refer to Chapter 79, Oil Indicating - Maintenance Practices.			
vi) Oil cooler bracket and pressure/return hoses. Refer to Chapter 79, Oil Distribution - Maintenance Practices.			

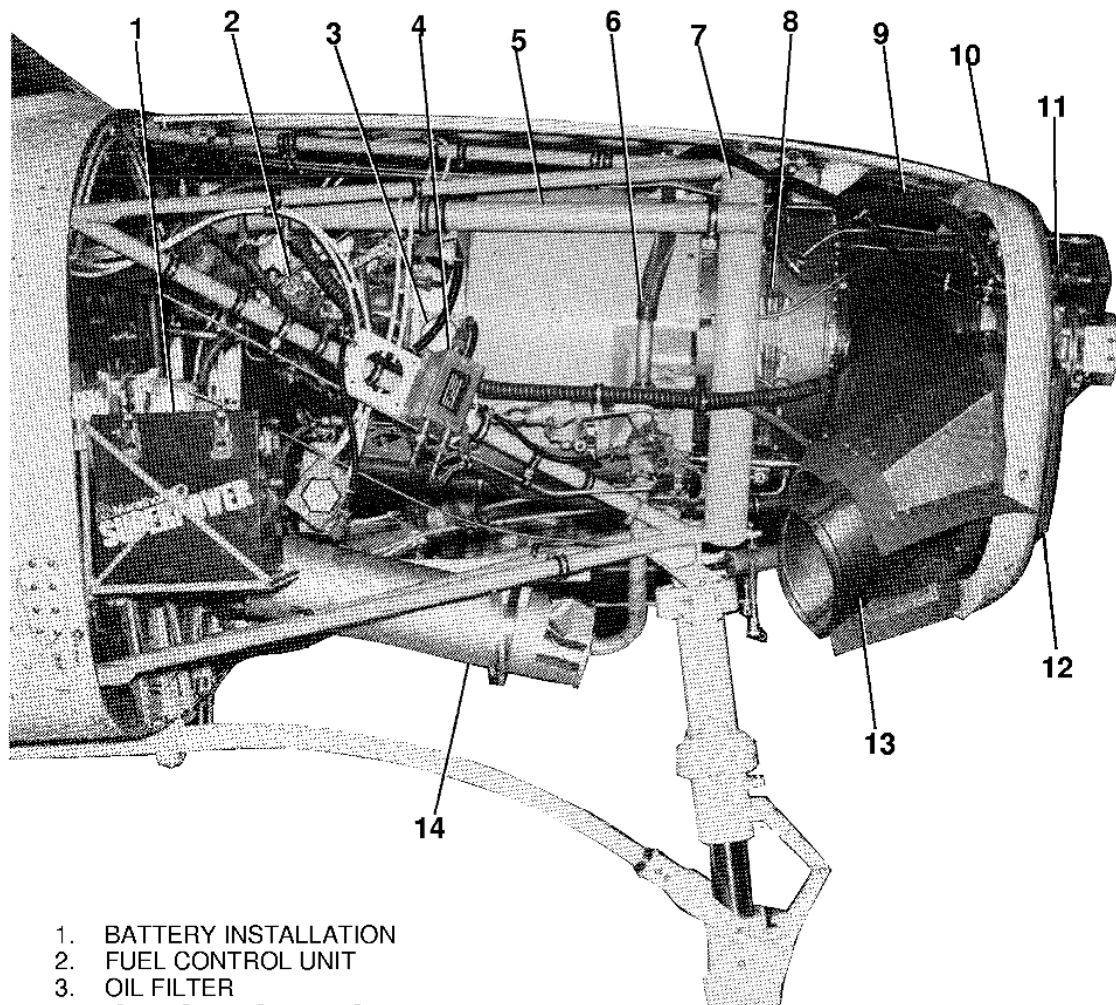
	TECHNICAL SUPPORT TECHNICAL DEPARTMENT <b>ENGINEERING ORDER</b>		011/EO/TEK-TS/IX/2023	
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vii) Standby alternator (if equipped). Refer to Chapter 24, Standby Electrical System - Maintenance Practices.			
viii) Torque sensing line and fittings.			
20. Make and inventory record P/N and S/N of the engine and its accessories from the engine that removed, fill out into the List (Form Engine Change – Major Component Inventory Record)			
21. Make an appropriate entry in Work Order (WO) and Aircraft Flight Maintenance Log (AFML)			
<b>*** END OF THE TASK ***</b>			

## SMART AVIATION ENGINEERING ORDER

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1. BATTERY INSTALLATION
2. FUEL CONTROL UNIT
3. OIL FILTER
4. IGNITION EXCITER BOX
5. STARTER/GENERATOR COOLING AIR  
BLAST TUBE
6. BLEED AIR PRESSURE LINE
7. ENGINE MOUNT RING
8. FUEL MANIFOLD
9. OIL RETURN FROM OIL COOLER
10. RIGHT COWLING BULKHEAD
11. PROPELLER GOVERNOR
12. OIL COOLER
13. PRIMARY EXHAUST STACK
14. BLEED AIR HEATER MUFFLER

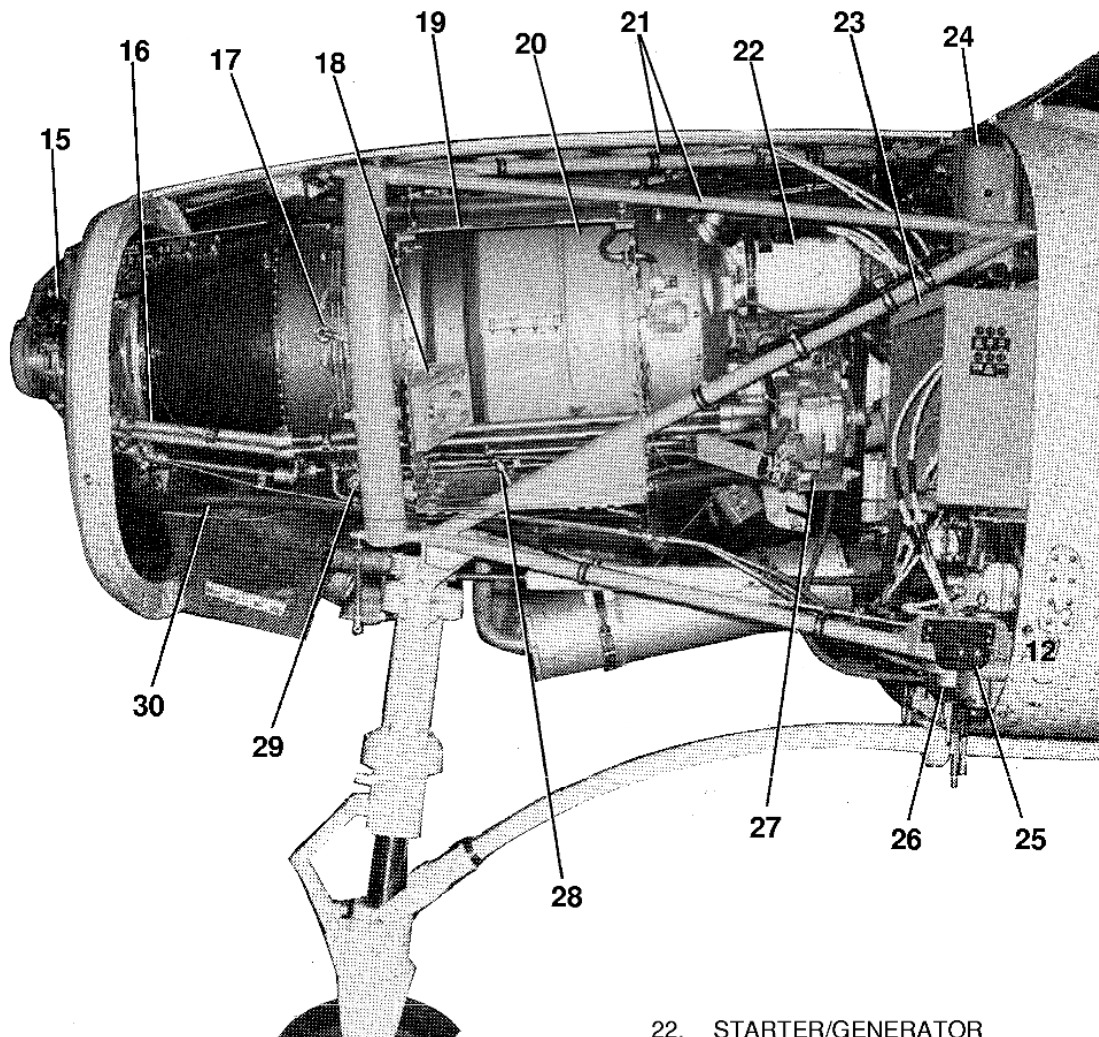
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**Figure 01 Sheet 1**



## SMART AVIATION ENGINEERING ORDER

A21759



- 15. PROPELLER OVERSPEED GOVERNOR
- 16. REDUCTION GEARBOX  
OIL LINES
- 17. SPARK IGNITER
- 18. ENGINE MOUNT BRACKET
- 19. INDUCTION AIR PLENUM
- 20. COMPRESSOR INLET
- 21. ENGINE MOUNT TRUSS

- 22. STARTER/GENERATOR
- 23. POWER DISTRIBUTION BOX
- 24. STANDBY ALTERNATOR  
CONTROL UNIT
- 25. AUXILIARY POWER RECEPTACLE
- 26. FUEL FILTER
- 27. STANDBY ALTERNATOR
- 28. COMPRESSOR DRAIN LINE
- 29. FUEL MANIFOLD DUMP VALVE
- 30. OIL COOLER PRESSURE HOSE

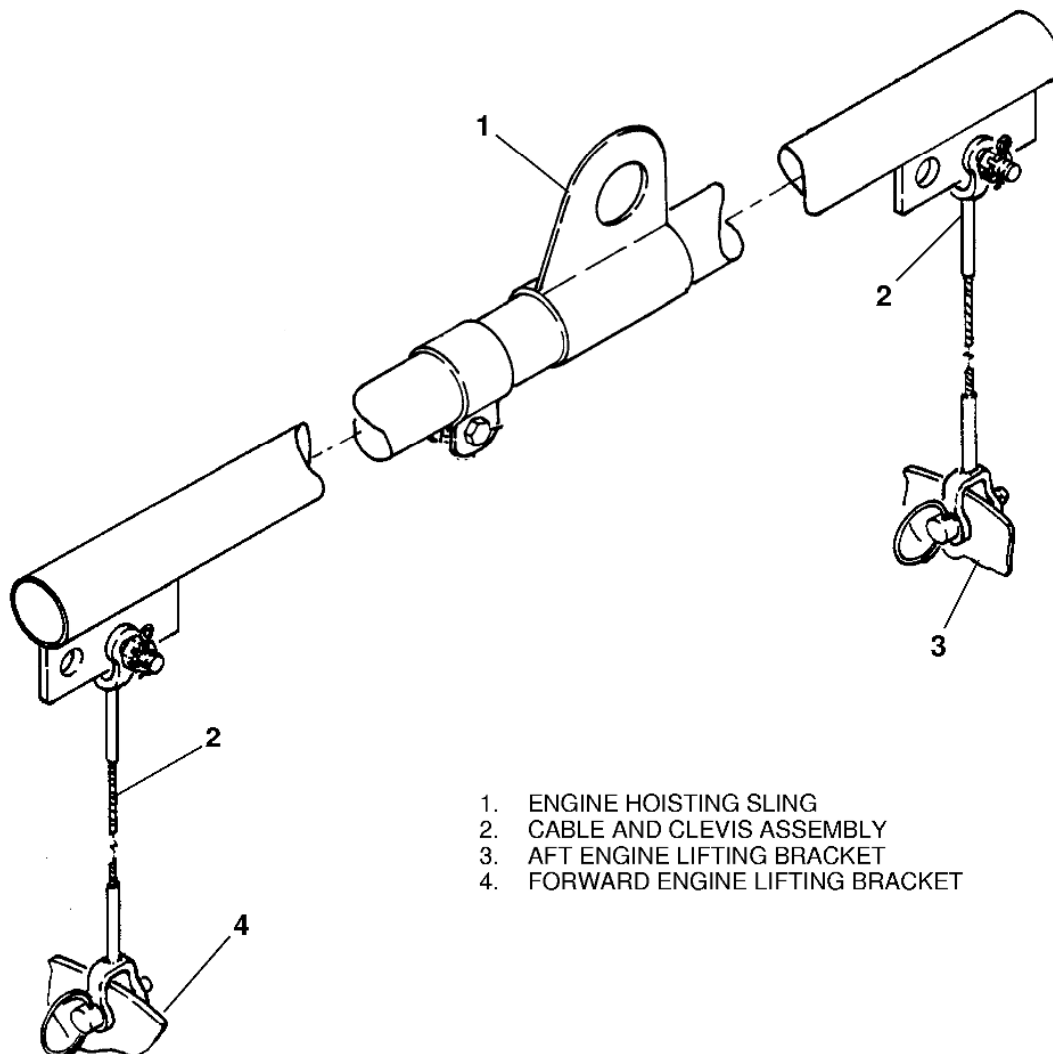
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Figure 1 Sheet 2



## SMART AVIATION ENGINEERING ORDER

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1. ENGINE HOISTING SLING
2. CABLE AND CLEVIS ASSEMBLY
3. AFT ENGINE LIFTING BRACKET
4. FORWARD ENGINE LIFTING BRACKET

2680X1044

**Figure 02**



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## SMART AVIATION ENGINEERING ORDER

### C208B ENGINE INSTALLATION

Date : \_\_\_\_\_ Work Number : \_\_\_\_\_

Part No. Engine : PT6A-114A A/C Total Hours : \_\_\_\_\_

Ser. No. Engine : PCE-PC 1288 A/C Total Landings : \_\_\_\_\_

Engine Time TSN: 6989:64 TSO: 0:00

CSN: 9238 Cyc CSO:0

Installed on A/C Reg. : PK-SNK

#### Description

#### Eng.

#### RII

#### Remarks

#### B. INSTALL ENGINE (Refer to Figure 01 and Figure 02).

1. Make and inventory record P/N and S/N of the engine and its accessories. Fill out into the List (Form Engine Change – Major Component Inventory Record)
2. Install engine mount brackets, elastomers, and engine mount ring. Refer to Chapter 71, Engine mount – Maintenance Practices.
3. Connect lifting hoist sling to forward and aft lifting brackets on engine and lift engine into position forward of engine mount truss.
4. Make sure that all engine lines and equipment are clear.
5. Lubricate the engine mount bolts with MIL-PRF-81322G Grease, before you install them to prevent corrosion.
6. Make sure that the threads of bolts are covered during application of grease. Lubrication on threads can alter the torque reading.
7. Move the hoist and engine aft to align the engine mount ring holes with the holes in the engine mount truss.
8. Install the mount bolts (engine mount truss to engine mount ring) and torque the bolt/nuts to 450 to 500 inch-pounds (50.8 to 56.4 N-m). Remove the hoist and sling.



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9. Connect torquemeter pressure and vent lines at upper left firewall. Bleed torquemeter indicating system.			
10. Connect engine power controls at fuel control unit. Rig controls.			
11. Connect the electrical leads of the following items of electrical equipment:			
i) Ignition exciter high tension leads at ignition exciter (right engine mount truss).			
ii) Starter/generator (center top of engine accessory case).			
iii) Gas generator section tachometer generator (lower right side of engine).			
iv) Fuel control heater (right rear of engine).			
v) Oil temperature sensor (right rear of engine).			
vi) Cabin bleed air heater flow control valve (lower right side of engine).			
vii) All engine to engine mount ground straps.			
viii) Propeller overspeed governor and ITT harness (left front of engine).			
ix) Propeller tachometer generator (right front of engine).			
12. Install engine fire detector warning harness.			
13. Connect starter/generator cooling air hose to starter/generator.			



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14. Connect engine bleed air line to cabin bleed air heater flow control valve. Connect engine bleed air hose to cabin bleed air heater mixing air valve.			
15. Install left nose cap/induction air duct/inertial air separator, if not previously installed.			
16. Install propeller, if not previously installed.			
17. Install and connect propeller governor control cable.			
18. Install left and right nose cap bulkhead assemblies and top cowling center panel.			
19. Install oil cooler and right nose cap.			
20. Connect fuel supply hose at fuel heater and fuel motive flow hose at fuel control unit.			
21. Push fuel firewall shutoff control fully in.			
22. With fuel line disconnected at fuel manifold below engine, motor engine with starter to purge fuel lines.			
23. Perform RII Dual Inspection <b>before</b> to first engine start.			
24. Start engine and perform operational check. Refer to Pilot's Operating Handbook and FAA-Approved Airplane Flight Manual.			
25. Perform Ground Run, Use the Pratt and Whitney PT6A-114/-114A/-135/-135A Engine Maintenance Manual with the Pilot's Operating Handbook and FAA-Approved Airplane Flight Manual to do the operational check of the different components on the engine.			
26. Shut down engine and check for fluid leaks, connections or hardware, etc.			
27. Perform RII inspection if any controls have been disturbed or adjusted.			

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28. Install engine cowling.			
29. Make an appropriate entry in Work Order (WO) and Aircraft Flight Maintenance Log (AFML)			

### MAINTENANCE RELEASE

I hereby certify that the above stated maintenance and/or inspection was performed in accordance with the approved Aircraft Maintenance Program and meets requirements of Civil Aviation Safety Regulations.

Name : \_\_\_\_\_ Stamp : \_\_\_\_\_

Signature : \_\_\_\_\_ Place/Date : \_\_\_\_\_


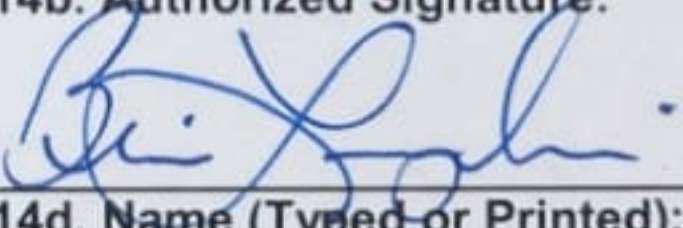
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ENGINE CHANGE - Major Component Inventory Record			
Registration	:	Work Order Number	:
Airframe Time	:	Airframe Landings	:
Engine Time	:	Engine Cycle	:

	Engine OFF			Engine ON		
Description	Part Number	Serial Number	Time Remaining	Part Number	Serial Number	Time Remaining
Engine Assembly						
Propeller Assembly						
Compressor Bleed Valve						
Fuel Control Unit						
Oil Fuel Heater						
Igniter Exciter						
Flow Divider						
Oil Cooler						
Starter Generator						
Alternator						
Fuel Pump						
Propeller Governor						
Propeller Overspeed Governor						
Fuel Nozzle						

**NOTE: ANY OTHER COMPONENT CHANGES MUST BE FILL ON INSPECTION CARD (SCA/MTC/048)**



1. Approving National Aviation Authority/Country:  FAA/UNITED STATES		2. <b>AUTHORIZED RELEASE CERTIFICATE</b> <b>FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG</b>				3. Form Tracking Number:  PHX-080723-102938	
4. Organization Name and Address:						5. Work Order/Contract/Invoice Number:	
 <b>PRIME TURBINES</b>		<b>Prime Turbines LLC</b> 3130 North Oakland, Ste 104 Mesa, AZ 85215		<b>FAA Certificate 5TPR585C</b> Phone: 480-428-6341 Fax: 480-219-3587		<b>M501090</b>	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial/Batch Number:	11. Status/Work:		
1	ENGINE PT6A-114A	3044000	1	PCE-PC1288	OVERHAULED		
12. Remarks: OVERHAULED in accordance to Pratt & Whitney Canada Overhaul Manual 3021243 Rev 50 dated 10/24/2022.  SHP: 675 NG: 36200 SFC: 0.643 TRIM STICK P/N: 3031417CL50 725: ITT: 1760 CT VANE P/N: 3123001CL01 S/N HLA600P CAV: 5S2 EFA: 6.13 PT VANE P/N: 3024682CL13.1 S/N 9M739 CAV: 5S6 EFA: 15.98  Details regarding the work performed are on file at Prime Turbines, LLC. under the W/O number listed in block (5)  TSN: 6,989.64 TSO: 0.0 CSN: 9,238 CSO: 0.0 This repair station certifies that the work specified in Block 11/12 was carried out in accordance with EASA Part 145 and in respect to that work, the article is considered ready for release to service under the EASA Part 145 Approval Number: EASA 145.6705							
13a. Certifies the items identified above were manufactured in conformity to: <div style="margin-top: 10px;"> <input type="checkbox"/> Approved design data and are in condition for safe operation.  <input type="checkbox"/> Non-approved design data specified in Block 12.         </div>				14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulation specified in Block 12  Certifies that unless otherwise specified in block 12, the work identified in Block 11 and described in Block 12 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.			
13b. Authorized Signature:		13c. Approval/Authorization No.:		14b. Authorized Signature:		14c. Approval/Certificate No.:	
						5TPR585C	
13d. Name (Typed or Printed):		13e. Date (dd/mmm/yyyy):		14d. Name (Typed or Printed):		14e. Date (dd/mmm/yyyy):	
				BRIAN LANGEHEINE		02/AUG/2023	
<b>User/Installer Responsibilities</b>							
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.  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 aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.  Statements in Blocks 13a and 14a 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.							



1. Approving Civil Aviation Authority/Country: FAA/United States		2. <b>AUTHORIZED RELEASE CERTIFICATE</b> FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 52196	
4. Organization Name and Address:  Heritage Turbines, Inc. Repair Station # H1IR069Y 35 Hinckley Road Barnstable Municipal Airport Hvannis, MA 02601 1-508-778-7788					5. Work Order/Contract/Invoice Number:  012076	
6. Item: 1	7. Description: Bleed Off Valve	8. Part Number: 3049038-03 (540-1407-4)	9. Quantity: 1	10. Serial Number: 4963	11. Status/Work: Overhauled	
12. Remarks: Overhauled Bleed Valve Assy I/A/W Honeywell Component Maintenance Manual P/N 540-1407 Rev.2 Dated Apr. 12, 2017. ATA chapter reference 75-31-44 Control Pressure set at 31.074 PSIA at 70 PSIA I/A/W P&W S.B. 1588R2.  ESN: PCE-PC1288  Certifies that the work specified in block 11/12 was carried out in accordance with EASA Part-145 and in respect to that work the component is considered ready for release to service under EASA Part-145 Approval Number: EASA.145.6342						
13a. Certifies the items identified above were manufactured in conformity to:  <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.			14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 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.			
13b. Authorized Signature:		13c. Approval/Authorization No.:		14b. Authorized Signature:		14c. Approval/Certificate No.: H1IR069Y
13d. Name (Typed or printed):		13e. Date (dd/mm/yyyy):		14d. Name (Typed or Printed): Jesse Johnson		14e. Date (dd/mm/yyyy): 06/Jun/2023
<b>User/Installer Responsibilities</b>						
<p>It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.</p> <p>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 aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.</p> <p>Statements in Blocks 13a and 14a 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.</p>						



1. Approving Civil Aviation Authority/Country: <b>Transport Canada/Canada</b>		<b>AUTHORIZED RELEASE CERTIFICATE</b> <b>FORM ONE</b>				3. Form Tracking Number: <b>W119291</b>
4. Organization Name and Address: <b>Action Aero</b> <b>91 Watts Avenue</b> <b>Charlottetown, PE, Canada C1E 2B7</b> <b>Ph: 902-370-3311</b> <b>Fax: 902-370-3313</b> <b>Email: info@actionaero.com</b>					5. Work Order/Contract/Invoice Number:  <b>012073</b>	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	FLOW DIVIDER & DUMP VALVE	3019906/25536-4	1	9959512673	OVERHAULED	
12. Remarks:  Overhauled IAW Triumph CMM 73-10-01 (3020539), Revision 7, Dated July 30/2004. TSO 0.0 Hours.					ESN:PCE-PC1288	
The work specified in blocks 11 and 12 was carried out in accordance with EASA Part 145 and with respect to that work, the aircraft component(s) is/are considered ready for release to service under EASA approval number EASA.145.7199.						
13a. Certified the items identified above were manufactured in conformity to:			14a. <input checked="" type="checkbox"/> CAR 571.10 Maintenance Release <input checked="" type="checkbox"/> Other regulation specified in Block 12			
<input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12			Certifies that, except where otherwise specified in block 12, the work identified in block 11 and described in block 12 has been performed in compliance with the Canadian Aviation Regulations.			
13b. Authorized Signature:		13c. Approval Authorization No.:		14b. Authorized Signature:		14c. Approval/Certificate No.:
				 Authorized for use on Action Aero Form One		AMO# 1-08
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):		14d. Name (Typed or Printed):		14e. Date (dd/mm/yyyy):
				Tracy Knowles		29-May-2023
(Previously Form 24-0078) <b>User/Installer Responsibilities</b>						
This certificate does not constitute authority to install.  Installers working in accordance with the national regulations of a country other than that specified in block 1, must ensure that their regulations recognize certifications from the country specified.  Statements in blocks 13A or 14A do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification, issued in accordance with the applicable national regulations before the aircraft may be flown.						







1. Approving Civil Aviation Authority/Country: FAA/United States		2. <b>AUTHORIZED RELEASE CERTIFICATE</b> FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 230908	
4. Organization Name and Address: Keystone Turbine Services, 885 Fox Chase, Suite 111, Coatesville, PA 19320 - Certificate No. 8MHR895B					5. Work Order/Contract/Invoice Number: 85018901-EA-FC	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	FUEL CONTROL	3244897-4	1	C66799	OVERHAULED	
12. Remarks:  OVERHAULED & TESTED IAW HONEYWELL CMM. 73-20-78 REV. 2 6/8/2021 TSO: 0.0 TRACE TO ESN: PCE-PC1288  Certifies that the work specified in Block 11/12 was carried out in accordance with EASA Part 145 and in respect to that work the article is considered ready for release to service under EASA Part 145 approval no. EASA 145-6410.						
13a. Certifies the items identified above were manufactured in conformity to:  <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.			14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 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.			
13b. Authorized Signature:		13c. Approval/Authorization No.:		14b. Authorized Signature:		14c. Approval/Certificate No.: 8MHR895B
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):		14d. Name (Typed or Printed): TIM KLINE		14e. Date (dd/mm/yyyy): 14/JUL/2023
<b>User/Installer Responsibilities</b>						
<p>It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.</p> <p>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 aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.</p> <p>Statements in Blocks 13a and 14a 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.</p>						



1. Approving Civil Aviation Authority/Country: <b>Transport Canada/Canada</b>		<b>AUTHORIZED RELEASE CERTIFICATE</b> <b>FORM ONE</b>				3. Form Tracking Number: <b>W119287</b>
4. Organization Name and Address: <b>Action Aero</b> <b>91 Watts Avenue</b> <b>Charlottetown, PE, Canada C1E 2B7</b> <b>Ph: 902-370-3311</b> <b>Fax: 902-370-3313</b> <b>Email: info@actionaero.com</b>					5. Work Order/Contract/Invoice Number:  <b>012075</b>	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	TURBOPROP GOVERNOR ASSEMBLY	8210-002-01	1	13039147	OVERHAULED	
12. Remarks: <div style="float: right;">ESN:PCE-PC1288</div> 8210-002-01, Revision: NEW. Overhauled IAW Woodward Governor CMM 61-20-14, Revision 3, Dated September 30/1997. TSO 0.0 Hours. Complied with SB 33531C.  The work specified in blocks 11 and 12 was carried out in accordance with EASA Part 145 and with respect to that work, the aircraft component(s) is/are considered ready for release to service under EASA approval number EASA.145.7199.						
13a. Certify the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12			14a. <input checked="" type="checkbox"/> CAR 571.10 Maintenance Release <input checked="" type="checkbox"/> Other regulation specified in Block 12 Certifies that, except where otherwise specified in block 12, the work identified in block 11 and described in block 12 has been performed in compliance with the Canadian Aviation Regulations.			
13b. Authorized Signature:		13c. Approval Authorization No.:		14b. Authorized Signature:		14c. Approval/Certificate No.:
<div style="font-size: 4em; opacity: 0.5;">X</div>		<div style="font-size: 4em; opacity: 0.5;">X</div>		 <small>Authorized for use on Action Aero Form 1 Only</small>		AMO# 1-08
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):		14d. Name (Typed or Printed):		14e. Date (dd/mm/yyyy):
<div style="font-size: 4em; opacity: 0.5;">X</div>		<div style="font-size: 4em; opacity: 0.5;">X</div>		Roland Smith		30-May-2023
(Previously Form 24-0078) <b>User/Installer Responsibilities</b>						
This certificate does not constitute authority to install. Installers working in accordance with the national regulations of a country other than that specified in block 1, must ensure that their regulations recognize certifications from the country specified. Statements in blocks 13A or 14A do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification, issued in accordance with the applicable national regulations before the aircraft may be flown.						



1. Approving Civil Aviation Authority/Country: <b>FAA/UNITED STATES</b>		2. <h2 style="margin: 0;">AUTHORIZED RELEASE CERTIFICATE</h2> <h3 style="margin: 0;">FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG</h3>			3. Form Tracking Number: <b>MRO4242</b>	
4. Organization Name and Address: <b>AVIATION CONTROLS INC.          d/b/a PRECISION AVIATION CONTROLS          101 FREEDOM DRIVE          INDEPENDENCE, KS 67301          UNITED STATES</b>		FAA Certificate : YNBR921L			5. Work Order/Contract/Invoice Number: <b>9209881</b>	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	FUEL HEATER PT6A	10552E 3032710	1 EA	WA23408	OVERHAULED	
12. Remarks: Referencing manual No. 73-10-03 Revision: 16 Revision Date: DEC 15 2016 OVERHAULED IN ACCORDANCE WITH APPLICABLE CMM.  TSN: UNK TSO: 0						
Certifies that the work specified in Block 11/12 was carried out in accordance with EASA Part-145 and in respect to that work the component is considered ready for release to service under EASA Part-145 Approval Number: "EASA 145.6525".						
13a. Certifies the items identified above were manufactured in conformity to:  <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.			14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulation specified in Block 12  Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 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.			
13b. Authorized Signature:		13c. Approval/Authorization No.:		14b. Authorized Signature:		14c. Approval/Certificate No.:
						YNBR921L
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):		14d. Name (Typed or Printed):		14e. Date (dd/mm/yyyy):
				SUSAN THOMPSON 2638442		06/Jun/2023
<h3>User/Installer Responsibilities</h3>						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.  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 aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.  Statements in Blocks 13a and 14a 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.						



KEYSTONE TURBINE SERVICES  
CRS 8MHR895B  
WORK PERFORMED REPORT



885 FOX CHASE SUITE 111  
COATESVILLE PA. 19320  
1-610-268-6200  
1-484-786-8680 fax

Customer: MPAC Aviation Services  
Description: Fuel Control  
Serial #: C66799  
Work Order #: 85018901-EA-FC  
TSO:IN Unk.  
TSO:OUT 0.0  
Received date: 6/5/2023

Date: 7/14/2023  
Model #: DP-F2  
MFG Part #  
P/N #: 32444897-4  
P.O.#: 12077

Reason for removal: Overhaul

Run as Rec'd test: Not required

Warranty granted:	Approved	Warranty Review Concurrence
	Denied	
	N/A	
		T. Kline

Work Performed Overhauled & Tested IAW Honeywell CMM 73-20-78 Rev.2 6/8/21

Parts Replaced:

Part Number	Quantity	Description	Reason for replacement
KTS-FCU3244897-KI	1	Overhaul Kit	Req @ Overhaul

For KTS.

Date:

7/14/2023



**Action Aero**

PO Box 22105

Charlottetown, PE C1A 9J2

Canada

Ph: (902) 370-3311, Fax: (902) 370-3313

info@actionaero.com

**Tear Down/Inspection**

Work Order #: W119291

Date Printed: 5/30/2023

Time: 1:58:04 PM

Page: 1

Cust PO: 012073	PN: 3019906/25536-4	Descr: FLOW DIVIDER & DUMP VALVE
Alt Cust PO	Serial #: 9959512673	Mfg: TRIUMPH
Qty: 1		
ESN: PCE-PC1288	TSO UNK	TSNUNK
		TSR UNK

**Symptoms:**

## Reason Removed

Flow divider removed for overhaul

## Receiving Inspection

Flow divider received with fittings loose

**Faults:**

## Inspection Findings

No abnormal findings

**Corrective Actions:**

## Work Performed

Overhauled IAW CMM



**Action Aero**

PO Box 22105

Charlottetown, PE C1A 9J2

Canada

Ph: (902) 370-3311, Fax: (902) 370-3313

info@actionaero.com

**Tear Down/Inspection**

Work Order #: W119285

Date Printed: 6/21/2023

Time: 12:31:28 PM

Page: 1

Cust PO: 012074

PN: 702801-5

Descr: MAIN ENGINE FUEL PUMP

Alt Cust PO

Serial #: 001251

Mfg: ARGO-TECH

Qty: 1

ESN: PCE-PC1288

TSO UNK

TSNUNK

TSR UNK

**Symptoms:**

Reason Removed

Fuel pump removed for overhaul

Receiving Inspection

Fuel pump received with a shipping cover, and with fittings attached

**Faults:**

Inspection Findings

No abnormal findings

**Corrective Actions:**

Work Recommended

Overhaul in accordance to the CMM

Work Performed

Overhauled unit IAW CMM.

PN	Description	Qty Needed	CD	Disposition	Status/Reason
93030-87	SEAL, STATIONARY	2	RPR	Issue	100%
AN6235-3A	FILTER ELEMENT, JT15D & PT6 FUEL PL	1	NE	Issue	100%



**Action Aero**

PO Box 22105

Charlottetown, PE C1A 9J2

Canada

Ph: (902) 370-3311, Fax: (902) 370-3313

info@actionaero.com

**Tear Down/Inspection**

Work Order #: W119287

Date Printed: 5/31/2023

Time: 10:03:17 AM

Page: 1

Cust PO: 012075

PN: 8210-002-01

Descr: TURBOPROP GOVERNOR ASSEMBLY

Alt Cust PO

Serial #: 13039147

Mfg: WOODWARD GOVERNOR

Qty: 1

ESN: PCE-PC1288

TSO UNK

TSNUNK

TSR UNK

**Symptoms:****Reason Removed**

Governor removed for overhaul

**Receiving Inspection**

Governor received with a shipping cover

**Faults:****Inspection Findings**

No abnormal findings.

**Corrective Actions:****Work Recommended**

Overhaul IAW CMM with the incorporation of SB 33531C.

**Work Performed**

Overhauled IAW CMM with the incorporation of SB 33531C.





**AVIATION CONTROLS INC.**  
d/b/a PRECISION AVIATION CONTROLS  
101 FREEDOM DRIVE  
INDEPENDENCE KS 67301 UNITED STATES  
(620)331-8180 (620)331-6426 www.precisionaviationcontrols.com

# INSPECTION REPORT

Page: 1 of 1

Close :  
Abnormal/PH :  
Normal/Risk :  
Technician :  
Inspector :  
Aircraft Number :  
A/C Position :  
TSN : UNK  
TSO : UNK  
TSR :

W/O No.   
9209881  
P/N   
10552E  
S/N   
WA23408

For Customer : PRIME TURBINES  
S.O. No. : 9208241 Line No. : 1

W/O Kind : [OVH] OVERHAULED

Cust P.O. : MRO4242	P/N : 10552E	Note/Lot :
Our Ref : JACOB GARRATT	Desc : FUEL HEATER PT6A	Trace To : PRIME TURBINES
Stock :	S/N: WA23408	Tag Date :
Shop : PAC Commercial	MFG : STEWART WARNER SOUTH WIND CORP	Manual : 73-10-03
Warr Claim :	Qty : 1 Cond As: OH	Revision : 16 / Dec-15-2016
Completed P/N : 10552E	S/N As: WA23408	Into Bin Loc : [w/h]: 907 [Loc]: COMPLETED
Company : 1	Division : 09	Department :
Order Date : May-24-2023	Received Date : May-18-2023	Due Date : Print Date : Jun-06-2023

## Overhaul WORK ORDER No. 9209881

Manuals	Description	Manual Date	Revision No.	Revision Date	Current	Until
73-10-03	FUEL HEATER	Aug-01-1975	16	Dec-15-2016	<input checked="" type="checkbox"/>	Feb-29-2024

Reported By Customer

CUSTOMER STATES OVERHAUL. RETURN SCRAP WITH UNIT.  
Preliminary Insp.

NO COMPONENT CARD.

SENT UNIT FOR PAINT.  
Corrective Action

ASSEMBLED AND INSTALLED ALL CONSUMABLES.

PAINTED UNIT.

TESTED WITHIN LIMITS IN ACCORDANCE WITH APPLICABLE CMM.

Authorized Signature:

Name: Susan Thompson Date: 6 June 23



Updated: 08/01/2023

Name: Brian Langeheine

## Work Order # M5O1090

PCW	N/A	C/W	AD No:	Date	Description
PT6A-114A					
	X		2022-08-13	05/27/2022	Turbine Section (CT Vane)
	X		2014-17-08R1	6/5/2015	Compressor Turbine CT Blades
X			2014-11-05	8/5/2014	Containment Ring Modification
	X		2012-09-10	5/23/2012	First Stage Sun Gears
X			2002-23-13	12/31/2002	Turbine Exhaust Ducts
	X		2001-20-01	11/5/2001	Compressor Bleed Valve Assembly
	X		97-04-12	3/14/1997	Compressor Bleed-off Valve
INSPECTOR: Brian Langeheine				DATE: 03/AUG/2023	

**NOTE:** This listing of FAA Airworthiness Directives may not always be up to date. Please refer to the [FAA Web Site](#) for the latest Airworthiness Directive information.

Abbreviations:		N/A	Not Applicable (model or part number)
PCW	Previously Complied With (found embodied)	C/W	Complied With (this shop visit)



## PT6 Service Bulletin Log Sheet

Prime Turbines, LLC  
FAA CRS No. 5TPR585C

<b>WORK ORDER</b>	M5O1090	<b>MODEL</b>	PT6A-114A
<b>SERIAL NUMBER</b>	PCE-PC1288	<b>BUILD SPEC</b>	750

## S/Bs FOUND PREVIOUSLY INCORPORATED:

				SEE LOG	BOOK				

## S/B'S INCORPORATED THIS VISIT:

1001R36	1002R31	1703R14							

I HEREBY CERTIFY THAT THE ABOVE LISTED SERVICE BULLETINS HAVE EITHER BEEN FOUND PREVIOUSLY INCORPORATED BASED ON RECORDS RESEARCH OR WERE INCORPORATED ON THIS WORK ORDER IN ACCORDANCE WITH FEDERAL REGULATIONS.

**Inspector:** Brian Langeheine**Date:** 03/AUG/2023