

I hereby authorize Turbines, Inc. to do the repair work set forth below and authorize such testing procedures as they may deem necessary. An express mechanic's lien is hereby acknowledged. I will be responsible for articles left in the plane and I agree to hold Turbines, Inc. blameless for any losses above the limits of their liability.

Completed work not picked up within five (5) business days after completion will be assessed interest at the rate of One Hundred Dollars (\$100.00) per day. All articles left on the premises after work is completed may be sold for charges.

All purchases are subject to the terms and disclaimers of the standard Turbine's warranty, copies of which are available upon request.

Authorized by: _____ Date: _____



FORM T002

MATERIAL USED

COST	QUAN.	PART NUMBER AND DESCRIPTION	PRICE EACH	TOTAL AMOUNT
Parts:				
	1	3111841-01 Runner		
	1	3102227-01 #6 Bearing		
	1	3009243 #4 Bearing		
	1	3031714 #3 Bearing		
	1	3009024 PT Bolt		
		Misc. 100% & Consumable		
Accessories				
		8210-002 Governor OH Exch		
PARTS BROUGHT FORWARD				
TOTAL PARTS				

NAME		Air Advantage		ORDER DATE	8/1/2019	INVOICE	8/5/2019
ADDRESS		[REDACTED] Mt Pleasant, IA 52641		CITY		CUST. ORDER NO.	N/A
MAKE & MODEL	PT6A-34AG	SERIAL NO.		TOTAL HOURS		SHIPPING DATE	8/5/2019
REGISTRATION NO.	N/A	ENGINE	R or FWD.	PCE-57527		SHIP VIA	
RECEIVED	8/1/2019	L or AFT	Power Section			TERMS:	
SERVICE DESCRIPTION							
Removed Power Section. Performed Unscheduled Inspection - Prop Strike.							
Repaired & reinstalled.							
LABOR BROUGHT FORWARD							
						TOTAL LABOR	
						PARTS	
Prop Balance							
						FREIGHT	
Airport Fee & EDF							
Travel Expenses							
						TAX	
						TOTAL	
MAINTENANCE RELEASE							
This engine or component part thereof identified above was repaired and inspected in accordance with the applicable manufacturer's overhaul/maintenance manuals and is determined to be in airworthy condition with respect to the work performed. Pertinent details for the repair are on file at this facility under							
Work Order No.		T6418		Date		8-5-19	
TSO:		[REDACTED]		TSN:		6352.0	
CSO:		[REDACTED]		CSN:		See Log	
SIGN		[REDACTED]					
For:		Turbines Inc. 7303 Maynard Wheeler Lane, Terre Haute, IN 47803 Repair Station No. UTBR513L					

Work Order: T6418



Date: Aug. 5, 2019

Removed Power Section. **Performed Unscheduled Inspection – Prop Strike.** Installed the following components: **Overhauled Prop Governor PN 8210-002 SN 1704854 (TSO: 0.0 Hrs.);** Overhauled #4 Bearing PN 3028006 SN BB996565; Overhauled #5 Bearing PN 3031717 SN 6W467; Overhauled #6 Bearing PN 3007147 SN B503; overhauled PT Bolt PN 3009024; new Prop Shaft Seal Runner PN E3114662-01; new Prop Shaft Seal PN 3026652. Reinstalled Power Section. Operational check satisfactory. Reference PWC Overhaul Manual PN 3021243.

Model: PT6A-34AG Serial Number: PCE-57527

Total Time: 6352.0 Hrs. Total Cycles: See Cycle Record

This engine / module has been repaired and inspected, except as noted, in accordance with current regulations of the Federal Aviation Administration and, with regard to the work performed, is approved for return to service. Pertinent details of this repair are on file at this repair station under Work Order: T6418; Date: 05 AUG 2019.

Sign

A black rectangular box redacting the signature of the repair station representative.

For



F.A.A Repair Station UTBR513L

PT6A-34AG Power Section Repair Shop Router

W/O: T6418 Date: 8/2/19 Customer: Air Advantage Engine S/N: PCE-57527
TSN: 6352.0 CSN: See Cycle record

Work Instructions: Unscheduled Inspection – Prop Strike. Reference OHM PN 3021243.

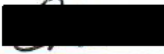
PT 1ST STG					

Rotating Group As Shipped

PART	P/N	S/N	TOTAL CYCLES	CYCLES REM	NOTES
PT 1ST STG	3026812	9W742	Less than 16352		

Operation 1. RECEIVING

Perform receiving Inspection on unit IAW RSM/QCM.,
Document all accessories on the table below and record all
missing engine components.

Technician:  Date: 8/2

Accessory	Part Number	Serial Number	Comments
CSU			
O/S Gov			

Missing Components:

No Gov, Oil Tubes, Lift Brkt Beta Pin Nose Case drain

Operation 2. DISASSEMBLE

PT6A-34AG Power Section Repair Shop Router

W/O: T6418 Date: 8/2/19 Customer: Air Advantage Engine S/N: PCE-57527
TSN: 6352.0 CSN: See Cycle record

Disassemble. Ref. applicable OHM. Record visual discrepancies
as notes

Technician: [REDACTED] Date: 8-2

Remarks:

Subcontracted parts and Accessories:

Accessory/Part	Part Number	Serial Number	Vendor/PO #

Operation 3, CLEANING

Clean all components per work scope. Ref.
applicable OHM.

Technician [REDACTED] Date: 8-2

Remarks:

Operation 4-INSPECTION

Inspect per work scope. Ref. applicable manual.

PT6A-34AG Power Section Repair Shop Router

W/O: T6418 Date: 8/2/19 Customer: Air Advantage Engine S/N: PCE-57527
TSN: 6352.0 CSN: See Cycle record

Qty	Part Number	Description	Required Inspection				Accept	Replace	Repair	Notes
			FPI	MPI	Dim	Visu				
1	8210-002-01	GRU				-		-		Electrical Wire Strips
1	3023254	Stop				-	-			
1	3100173-01	TQ Piston				-	-			
1	3018869	TQ Cylinder				-	-			
1	3028819	Transfer Sleeve	-		-	-	-			
2	3005104	Bevel Gear		-		-	-			
1	3008179	Bevel Gear		-		-	-			
1	3004035	Bevel Gear		-		-	-			
1	3018834	Coupling		-		-	-			
1	3109950-01	Nut		-	-	-	-			
1	3007319	Nut		-	-	-	-			
1	3102546-01	Nut		-	-	-	-			
1	3005698	Nut		-	-	-	-			
1	3004586	Thrust washer				-	-			
1	3104403-01	Air seal	-			-	-			
1	3011095	PT shaft		-		-	-			
1	3101420-02	1st Idg Carrier		-	-	-	-			
1	3111764-01	Shift		-		-	-	-		Galling
1	3100249-04	1st Idg	-		-	-	-			
1	3020266	PTCS	-		-	-	-			
3	3032110	Gear shaft		-		-	-			
3	3031396	Gear Pin		-		-	-			
8	3100142-01	Gear screws		-		-	-			

Remarks:

Inspected By: [REDACTED]

Date: 8/2/19

PT6A-34AG Power Section Repair Shop Router

W/O: T6418 Date: 8/2/19 Customer: Air Advantage Engine S/N: PCE-57527
TSN: 6352.0 CSN: See Cycle record

Qty	Part Number	Description	Required Inspection				Accept	Replace	Repair	Notes
			FPI	MPI	Dim	Visu				
1	3023252	Sealed Adapter	-	-	-	-	-	-	-	
2	3103152-01	Screws	-	-	-	-	-	-	-	
1	3103152-01	Screws	-	-	-	-	-	-	-	Loose
5	3106147-01	Grav Pin	-	-	-	-	-	-	-	
1	3082286	Flex Coupling	-	-	-	-	-	-	-	
1	3023250	2nd Stg Sun Gear	-	-	-	-	-	-	-	
1	3037303	1st Stg King Gear	-	-	-	-	-	-	-	SN: 97C263
1	3057338	2nd Stg King Gear	-	-	-	-	-	-	-	SN: 97C095
1	3107482-01	PT Shaft Hsg	-	-	-	-	-	-	-	
1	3013132	2nd Stg Carrier	-	-	-	-	-	-	-	SN: 12D077
1	3103999	Prop Shaft	-	-	-	-	-	-	-	
5	3031508	Gearshaft	-	-	-	-	-	-	-	
1	3026812	PT Disk	-	-	-	-	-	-	-	SN: 9W742
1	3074765	1st Stg Sun Gear	-	-	-	-	-	-	-	SN: 19D103
1	3101455-02	1st Stg Gear set	-	-	-	-	-	-	-	
5	3032267	2nd Stg Gear	-	-	-	-	-	-	-	
1	3114167-01	Seal Runner	-	-	-	-	-	-	-	Worn
1	3028007	#5 Bearing	-	-	-	-	-	-	-	
1	3028004	#3 Bearing	-	-	-	-	-	-	-	Abnormal Heat discoloration
1	3028006	#4 Bearing	-	-	-	-	-	-	-	Nicks, scratching
1	3057147	#6 Bearing	-	-	-	-	-	-	-	Automatic
1	3111801-01	Exhaust Duct	-	-	-	-	-	-	-	

Remarks:

Inspected By: [REDACTED]

Date: 8/2/19

PT6A-34AG Power Section Repair Shop Router

W/O: T6418 Date: 8/2/19 Customer: Air Advantage Engine S/N: PCE-57527

TSN: 6352.0 CSN: See Cycle record

[illegible]

Remarks: _____

Inspected By: _____ Date: _____

PT6A-34AG Power Section Repair Shop Router

W/O: T6418 Date: 8/2/19 Customer: Air Advantage Engine S/N: PCE-57527
TSN: 6352.0 CSN: See Cycle record

Operation 5, Build

Assemble. Reference applicable manual.

- Reduction Gearbox Build
- Power Turbine Build
 - 1. Balance PT Assembly

Tech: [REDACTED] Date: 8/2 2nd: [REDACTED]
Tech: [REDACTED] Date: 8/2 2nd: [REDACTED]
Tech: [REDACTED] Date: 8/2/19 2nd: [REDACTED]

Technician: [REDACTED] Date: 8/2

Operation 5, Test

Test Engine as required. Reference applicable manual.

Tested post install BY OPERATOR. Josh [signature]

Technician: [REDACTED] Date: 8/2

Operation 6, Final

Final Inspect in accordance with RSM/QCM.

Inspector: [REDACTED] Date: 8/5