

AIRCRAFT TECHNICAL RECORD

Section 4. PROPELLER LOG

PROPELLER LOG

1. Make: MT-Propeller
2. Model: MTV-6-R-C-F/CF194-80
3. Specification Number: EASA.P.094, Rev 03
4. Date of Manufacture: June 25, 2021 Date Installed: Sept 24, 2021
5. Hub Serial Number: 210732
6. Blades:
 - a. Design Number: CF 194-80
 - b. Blade Serial Numbers:
 - vi. : AMD-86577
 - vii. : AMD-86578
 - viii. : AMD-86579
 - i. :
 - c. Pitch Setting
 - i. Basic:
 - ii. High:
 - iii. Low: 11.0 +/- 0.2
 - iv. Reverse:
 - v.

Section 4A: Propeller Service and Maintenance Record

DATE / /	TIME RUN		TOTAL TIME SINCE OVERHAUL	
	HOURS	MIN	HOURS	MIN
BROUGHT FORWARD				

DESCRIPTION OF WORK PERFORMED:
(INSPECTION, REPAIRS, REPLACEMENT)



DIAMOND AIRCRAFT IND.
D.O.T. APPROVED MAINTENANCE
ORGANIZATION161-93

Registration:
Airframe Total Time:
Prop RH SN:

N684AB
33.9 H
210732

AC Serial Number: 62.170
Work Order: SO 072892
Prop RH TT: 33.9 H

- Propeller MTV-6-R-C-F/CF 194-80, S/N: 210732, installed on Aircraft DA 62 S/N: 62.170, RIGHT
- Total Time Prop brought forward: 33.9 hrs.
- Prop and documentation inspected for Major Mod's and/or STC's incorporated, none found.
- All applicable Airworthiness Directives, Service Bulletins complied with.
- AWD Bi-weekly checked thru 2021-23.
- Next overhaul due at 2400 hrs. OR September 2027, whichever occurs first
- Next inspection due: 100 hr inspection

The Maintenance Described has been performed IAW the Applicable Standard of Airworthiness



Date: NOV 18 2021



DIAMOND AIRCRAFT IND.
D.O.T. APPROVED MAINTENANCE
ORGANIZATION161-93

Registration: N684AB
Airframe Total Time: 37.2
Engine LH SN: E4P-C-06063
Engine LH TT: 37.2
Prop LH SN: 210731
Prop LH TT: 37.2

AC Serial Number: 62.170
Work Order: SO 072892
Engine RH SN: E4P-C-06064
Engine RH TT: 37.2
Prop RH SN: 210732
Prop RH TT: 37.2

The Following Work Was Performed:

- Adjusted RH spinner fitment.

The Maintenance Described has been performed IAW the Applicable Standard of Airworthiness



Date: DEC 06 2021

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NAME/
SIGNATURELICENCE:
AME or
AMO/ACA**ABSOLUTE AERO**

MAINTENANCE

21889 Skywest Drive, Hayward, CA 94541 · 510 782-6591

PROPELLER ENTRY

WORK ORDER: 3866 AIRCRAFT: N684AB TACH: 188.5 TSOH: N/A TTP: 188.5

DATE: 01/05/2023

R/H PROPELLER MODEL: MT MTV-6-R-C-F/CF194-80 S/N: 210732

Inspected propeller. No defects noted at this time. Verified AD's current through FAA AD biweekly 2023-01. All work completed in accordance with the Diamond DA 62 Maintenance Manual and the MT Propeller Operation & Installation Manual E-124. -END

I certify that this propeller has been inspected in accordance with FAR 43 Appendix D (100 Hour Inspection) and has been determined to be in an airworthy condition.

Jesse Case A&P / IA 3772878

**ABSOLUTE AERO**

MAINTENANCE

21889 Skywest Drive, Hayward, CA 94541 · 510 782-6591

PROPELLER ENTRY

WORK ORDER: 4279 AIRCRAFT: N684AB TACH: 296.4 TSOH: N/A TTP: 296.4

DATE: 12/22/2023

R/H PROPELLER MODEL: MT MTV-6-R-C-F/CF194-80 S/N: 210732

Removed propeller to facilitate gearbox maintenance. Reinstalled propeller using new seal (P/N: C-048-A) and locking nuts (6EA P/N: C-067-A). Inspected propeller. Touched up minor blade face nicks and deice boot edge sealant. Performed dynamic balancing with DynaVibe GX3 system: 18.00g located at 320 degrees final balanced to 0.03 IPS. Verified AD's current through FAA AD biweekly 2023-26. All work completed in accordance with the Diamond DA 62 Maintenance Manual, MT Propeller Operation & Installation Manual E-124, and the Chadwick-Helmuth Manual AW9511-2. -END

I certify that this propeller has been inspected in accordance with FAR 43 Appendix D (100 Hour Inspection) and has been determined to be in an airworthy condition.

Jesse Case A&P / IA 3772878

PROP MODEL (R):
MTV-6-R-C-F/CF194-80
PROP S/N (R): 210732
REG. NO: N684AB
WORK ORDER: 1265

Premier
Aircraft Service

Premier Aircraft Service, Inc.

3804 Falcon Way W
Hangar 18S
Fort Worth, TX 76106
Phone: 562.881.5345

DATE: 1/16/2025
A/C TSN: 420.4
PROP TT (R): 420.4
TACH: 420.4

Right Prop Entries

- Performed 100 Hour Inspection using DA62 AMM as a guide

I certify this propeller has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

DATE: 1/16/2025

SIGNED:

David Seastead, License: AP3492477 IA

Work Order: 1265

Printed by EBis 3 (datcomedia.com)

DATE / /	TIME RUN		TOTAL TIME SINCE OVERHAUL	
	HOURS	MIN	HOURS	MIN
BROUGHT FORWARD				

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DATE: August 25, 2025

AFTTIS 516.1

P/N: MTV-6-R-C-F/CF194-80

SN: 210732

PTTIS: 516.1

PTTSO: 516.1

Performed 100hr inspection on RH Propeller IAW Diamond
DA62 AMM and MT Propeller MM ATA 61-01-24. Performed
engine run and system check w/no discrepancies.

I certify that this RH Propeller has been inspected IAW Diamond DA62 Aircraft Maintenance Manual and MT Propeller Maintenance Manual ATA 61-01-24 inspection criteria and has been determined to be in airworthy condition.

Kristoffer Gracia A&P 5106065

01/28/2026 MT Propeller S/N 210732 Air Time 538.60 TTIS 538.60 TSOH 538.60

Performed 100 Hr inspection of RH propeller IAW Diamond DA62 AMM, MT propeller Operation and Installation Manual E-124, and FAR 43.13 appendix D. Inspected spinner, backing plate, hub and blades with no defects noted. Confirmed full-power static RPM within limits. Performed AD records review, no other AD's due at this time.

I certify that this propeller has been inspected in accordance with Diamond and MT inspection and is determined to be returned to service.

Caelon Tautz A&P 4239170 Date: 1/28/26 Signature: 

~~Ans #1~~

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US Department
of Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

1. Aircraft	Nationality and Registration Mark N684AB	Serial No. 62.170
	Make Diamond	Model DA 62
2. Owner	Name (As shown on registration certificate) Boyden Adam G	Address (As shown on registration certificate) Address 3 Boulderback Dr City Henderson State NV Zip 89012-7286 Country USA

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
☐	☒	AIRFRAME	_____	(As described in Item 1 above)	_____
☐	☐	POWERPLANT	_____	_____	_____
☐	☐	PROPELLER	_____	_____	_____
☐	☐	APPLIANCE	Type _____ Manufacturer _____	_____	_____

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name Salvador Jiminez	Address 1516 68th Ave	☒ U. S. Certificated Mechanic	Manufacturer
City Oakland State CA	Zip 94621 Country USA	☐ Foreign Certificated Mechanic	C. Certificate No.
		☐ Certificated Repair Station	
		☐ Certificated Maintenance Organization	4273987

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel per 14 CFR Part 43 App. B ☐	Signature/Date of Authorized Individual 01/05/2023
--	--

7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ Approved ☐ Rejected

BY	FAA Fit. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee	Repair Station	☒ Inspection Authorization	Other (Specify)

Certificate or Designation No. 3212565	Signature/Date of Authorized Individual 01/05/2023
--	--

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

N684AB

01/05/2023

Nationality and Registration Mark

Date

1. Installed Beringer Wheel and Brake System (Kit P/N: STC-021) with optional SensAIR tire pressure sensors in accordance with STC SA000181B.
2. Updated aircraft weight & balance / equipment list this date.
3. Added Instructions for Continued Airworthiness, ICA-STC-021(00) and SB-023(0) to the permanent maintenance records.
4. All work completed in accordance with the Diamond DA 62 Maintenance Manual, the Beringer Wheel & Brake Instructions for Continued Airworthiness ICA-STC-021(00), and the Beringer Wheel & Brake SensAIR Installation Manual MM-08-001(0).

-----END-----

☐ Additional Sheets Are Attached.



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

IMPORT

Number: SA00018IB

This certificate issued to: BERINGER AERO
AEROPOLE
05130 TALLARD, FRANCE

Certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 23 of Code of Federal Regulations.

Original Product A00012NY
Type Certificate Number:

Make: Diamond Aircraft Industries Inc.

Model: DA 62

Description of Type Design Change:

- 1) Installation of Main wheel, Nose wheel, brake assembly, axle, master cylinder and brake lines in accordance with Master Data List document MDL-STC-021, Revision 03, dated May 20, 2021 or later EASA approved revisions.

(See Description of Type Design Change continued on Page 3 of 3)

Limitations and Conditions:

- 1) The installer must determine whether this design change is compatible with previously approved modifications.

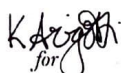
(See Limitations and Conditions continued on Page 3 of 3)

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of Application: April 5, 2021 Date Reissued:

Date of Issuance: October 15, 2021 Date Amended:

By Direction of the Administrator

Signature:  KATHLEEN E
ARRIGOTTI
2021.10.15
14:12:45 -07'00'

Anthony E. Gallo
Manager, International Validation Branch
Compliance & Airworthiness Division
Aircraft Certification Service

Title:

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. This certificate may be transferred or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

IMPORT

(Continuation Sheet)

Number: SA000181B

Description of Type Design Change: (continued from page 1 of 3)

- 2) Maintenance is in accordance with Instructions for Continued Airworthiness document, ICA-STC-021, Revision 01, dated May 20, 2021 or later EASA accepted revisions.

Limitation and Conditions: (continued from page 1 of 3)

- 2) If the holder agrees to permit another person to use this certificate to alter a product, the holder must give the other person written evidence of that permission.
- 3) This STC is applicable to all serial numbers for Diamond Model DA 62

-----END-----

Any alteration of this certificate and/or the Type Certificate Data Sheet is punishable by a fine not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. This certificate may be transferred or made available to third persons by licensing agreements in accordance with Title 14 of the Code of Federal Regulations, part 21, section 21.47 (14 CFR 21.47). A transfer must be endorsed as provided on the reverse hereof. A Type Certificate holder who allows a person to use the Type Certificate to manufacture a new aircraft, aircraft engine, or propeller must provide that person with a written licensing agreement acceptable to the FAA. (Ref. 14 CFR 21.55).

	Instructions for Continued Airworthiness	Project Reference STC-021	ICA-STC-021
			REV. 00

Instructions for Continued Airworthiness

Document Reference^(*)
ICA-STC-021(00)

Project Reference
STC-021

PREPARED ^(**)	CHECKED ^(**)	APPROVED ^(**)
Design Office Staff	Certification Manager	Accountable Manager
Christian GAILLARD  	Yann MERLE  	Claire BERINGER  
17 Dec 2020	07 Jan 2021	08 Jan 2021

(*) I.a.w. the numbering system defined in the APDOA manual.

(**) Authorised signatories shall be as defined in the APDOA manual.



Instructions for Continued Airworthiness

Project Reference
STC-021

ICA-STC-021

REV. 00

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1 Log of Revisions

Rev. No	Rev. date	Description
00	17-Dec-2020	Initial Release

2 Introduction

2.1 Purpose of the document

This document defines the Instructions for Continued Airworthiness for BERINGER wheel and brakes on the DIAMOND DA-62 aircraft.

2.2 References

PET-STC-021 at latest revision

3 Project Information

3.1 Purpose of the STC

This project aims at certifying wheels, axles and master-cylinders for the DA62

3.2 Effectivity

Type: DA-62

4 Applicable Certification Requirements

CS23 amendment 4

5 General

5.1 Weight & Balance

The existing wheels, brakes (master cylinder, caliper...), and axle are replaced by BERINGER STC-021.

Aircraft manual should be updated to reflect this change.

During the installation/removal the original equipment and Beringer kit, components were weighed to determine the net change on weight and balance from the installation of the Beringer kit. Table 1 and Table 2 show the total weigh and moment of modified components. Table 3 shows the net installation weight and balance. (Note: numbers are rounded for clarity).

Table 1: Weight and Balance – Original Equipment

Components	Weight (lbs)	X Position (in)	Moment (lb·in)
MLG	54.14	104.72	5669.6
NLG	17.81	33.94	604.3
Master Cylinders	2.23	53.86	120.2
Total	74.18	86.2	6394.1

Table 2: Weight and Balance – Beringer Equipment

Components	Weight (lbs)	X Position (in)	Moment (lb·in)
MLG	59.37	104.72	6217.3
NLG	17.90	33.94	607.6
Master Cylinders	2.14	53.86	115.4
Total	79.41	87.4	6940.3

	Instructions for Continued Airworthiness	Project Reference STC-021	ICA-STC-021
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Table 3: Weight and Balance – Net Installation Beringer Equipment

Component (Net)	Weight (lbs)	X Position (in)	Moment (lb-in)
Kit Installation	5.24	104.3	546.2

The information in Table 3 was used to calculate the weights for each test run accounting for the installed kit components, additional ballast and the fuel used during testing. Total weight for each test run is listed in Table 4 and Table 5.

NOTE: The data in Table 1, Table 2 and Table 3 should not be used directly for weight and balance on installation. It should be used for planning purposes only. The actual final weight and balance for each modified aircraft should be determined in accordance with the AMM 7.02.25 Section 08-10 (Weighing) after the kit is installed.

5.2 Tires

Suitable tubeless (TL) tires compatible with the DA 62 and BERINGER rim are :

MLG Tires: 6.00-6; 8 PR, TL, 160 mph, Flight Custom III, Goodyear

NLG Tire: 6.00-6; 8 PR, TL, 160 mph, Flight Custom III, Goodyear

6 Installations Instructions

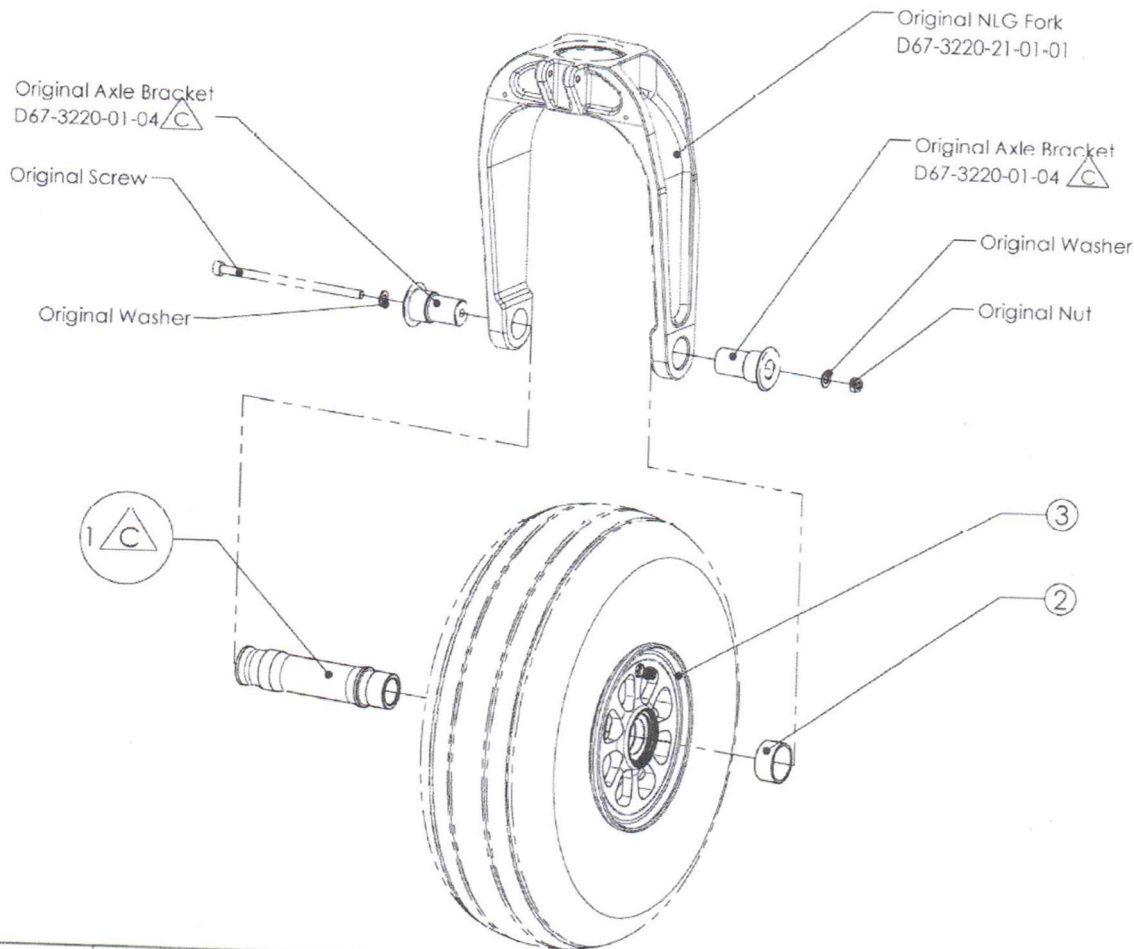
- 6.1.1 Special tools
- 1.75" or 45mm socket with an outer Ø of less than 61mm

6.1.2 Torque

Only the axle nut torque is defined at 35 N.m. All other tightening torque is defined by DIAMOND.

6.2 Nose wheel Installation

- Remove original equipment (wheel, axle) and keep the 2 axles bracket and the bolt

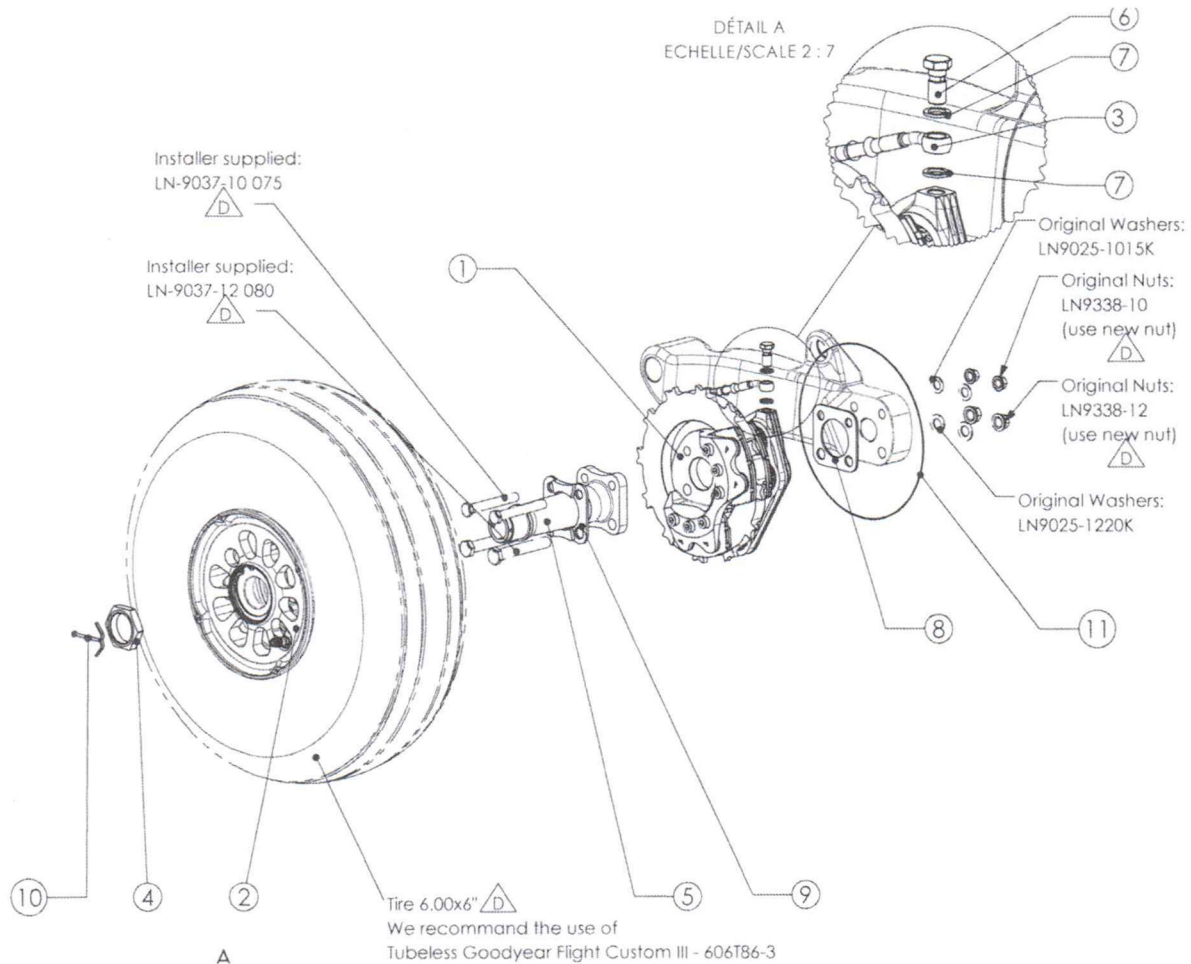


3	RA-016.1(A)	6.00x6" LE [Axe 40-35]_Nose Wheel assy/ Roue Avant	1
2	BGE-046(A)	40x35x19_Bearing Spacer / Entretoise Rlt	1
1 	AXP-006.2(B)	6.00x6" LE (L=167)_Nose Wheel Axle / Axe Roue AV	1
REP	PART NUMBER	DESCRIPTION	QTY.

- Install wheel and axle as shown above. Reuse original equipment as noted.

6.3 Main Wheel Installation (Left side)

- Remove original main wheel and axle



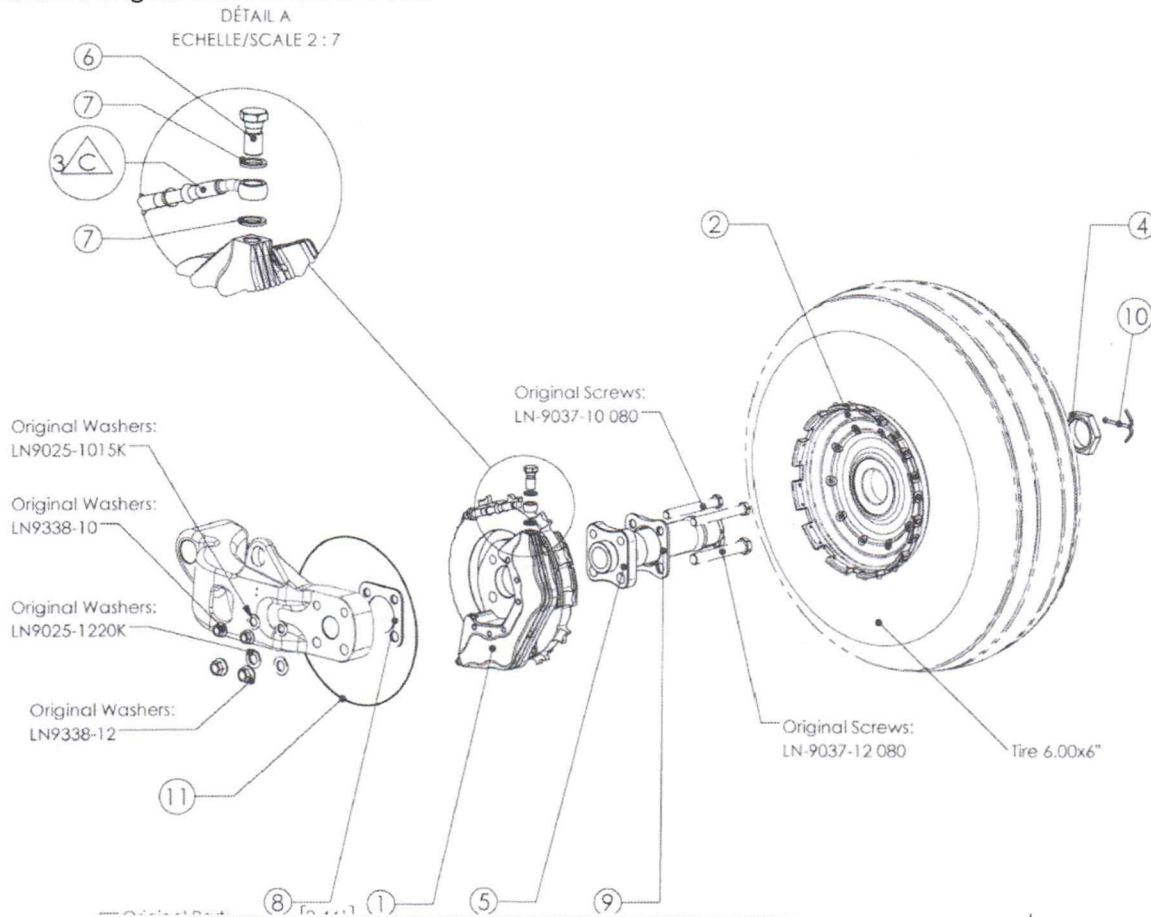
A			
11	ZPA02	Safety Wire/Fil à freiner	1
10	L-V-003	Cotter Pin 3.2x50/Goupille fendue 3.2x50	1
9	RDL-018(C)	Main Axle Washer /Entretoise	1
8	PTE-011(A)	EA-004.3_Caliper Spacer / Entretoise Etrier	1
7	HYD-005B	Copper Seal/ Joint culvre	2
6	HYD-003P	Banjo Bolt/ Vis Banjo	1
5	FUS-007.7(B)	6.00x6" HL or HE_Axle/ Fusée T7	1
4	ECR-001(C)	M35x1.5_Axle nut /Ecran	1
3	AV-DIAM-407(A)	Brake Line / Durite	1
2	RF-017.2(A)	Cover 6.00x6" HL_Wheel Assy/ Roue freinée	1
1	EA-004.3NL(C)	4P32-6-15_Left Brake Assy T7/ Etrier De Frein Gauche T7	1
REP	PART NUMBER	DESCRIPTION	QTY.

Install wheel and axle as shown above. Reuse original equipment as noted.

	Instructions for Continued Airworthiness	Project Reference STC-021	ICA-STC-021
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6.4 Main Wheel Installation (Right side)

- Remove original main wheel and axle



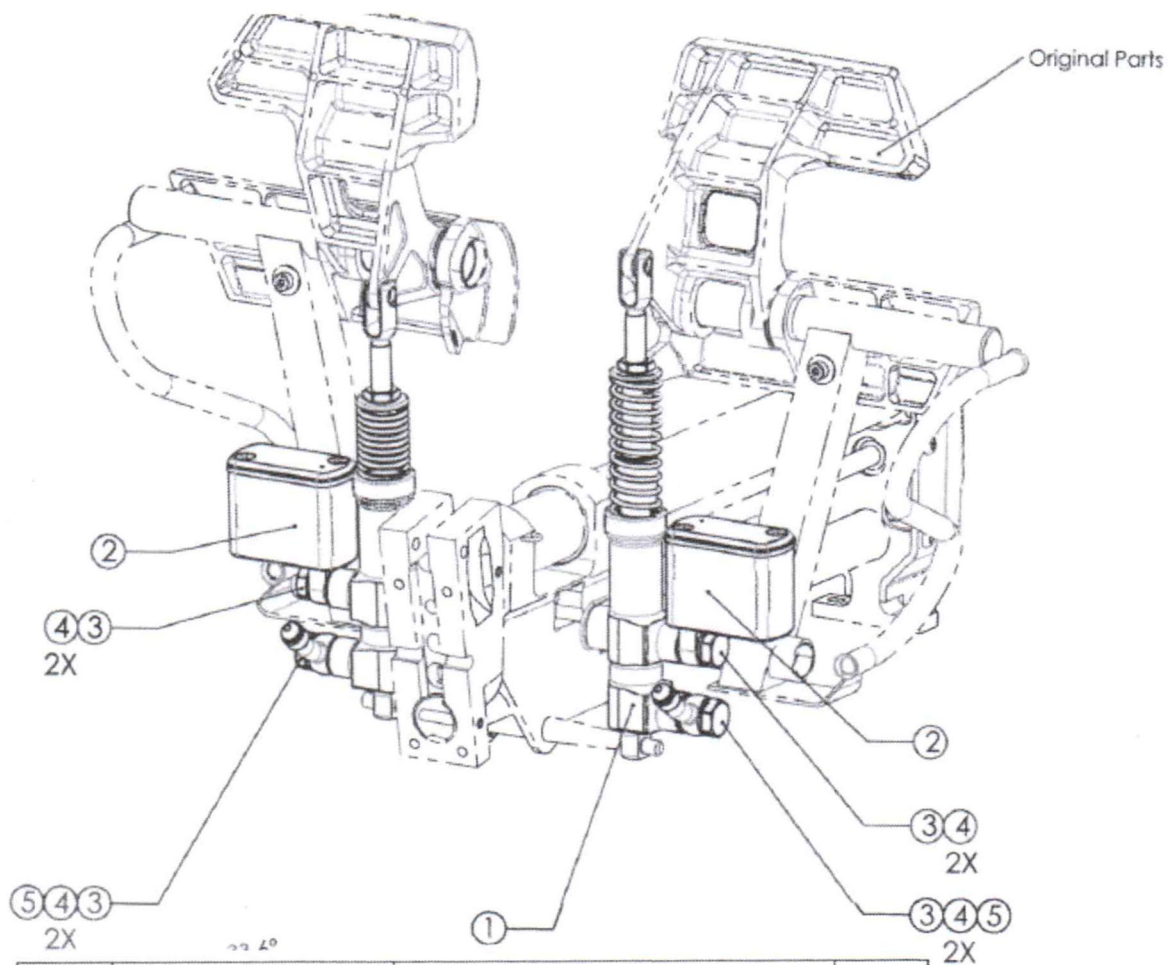
11	ZPA02	Safety Wire/Fil à freiner	1
10	L-V-003	Cotter Pin 3.2x50/Goupille fendue 3.2x50	1
9	RDL-018(C)	Main Axle Washer /Entretoise	1
8	PTE-011(A)	EA-004.3_Caliper Spacer / Entretoise Etrier	1
7	HYD-005B	Copper Seal/ Joint cuivre	2
6	HYD-003P	Banjo Bolt/ Vis Banjo	1
5	FUS-007.7(B)	6.00x6" HL or HE_Axle/ Fusée T7	1
4	ECR-001(C)	M35x1.5_Axle nut /Ecrou	1
3/C	AV-DIAM-407(A)	Brake Line / Durite	1
2	RF-017.2(A)	Cover 6.00x6" HL_Wheel Assy/ Roue freinée	1
1	EA-004.3NR(C)	4P32-6-15_Right Brake Assy T7/ Etrier De Frein droit T7	1
REP	PART NUMBER	DESCRIPTION	QTY.

Install wheel and axle as shown above. Reuse original equipment as noted.

	Instructions for Continued Airworthiness	Project Reference STC-021	ICA-STC-021
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6.5 Copilot Master Cylinders Installation

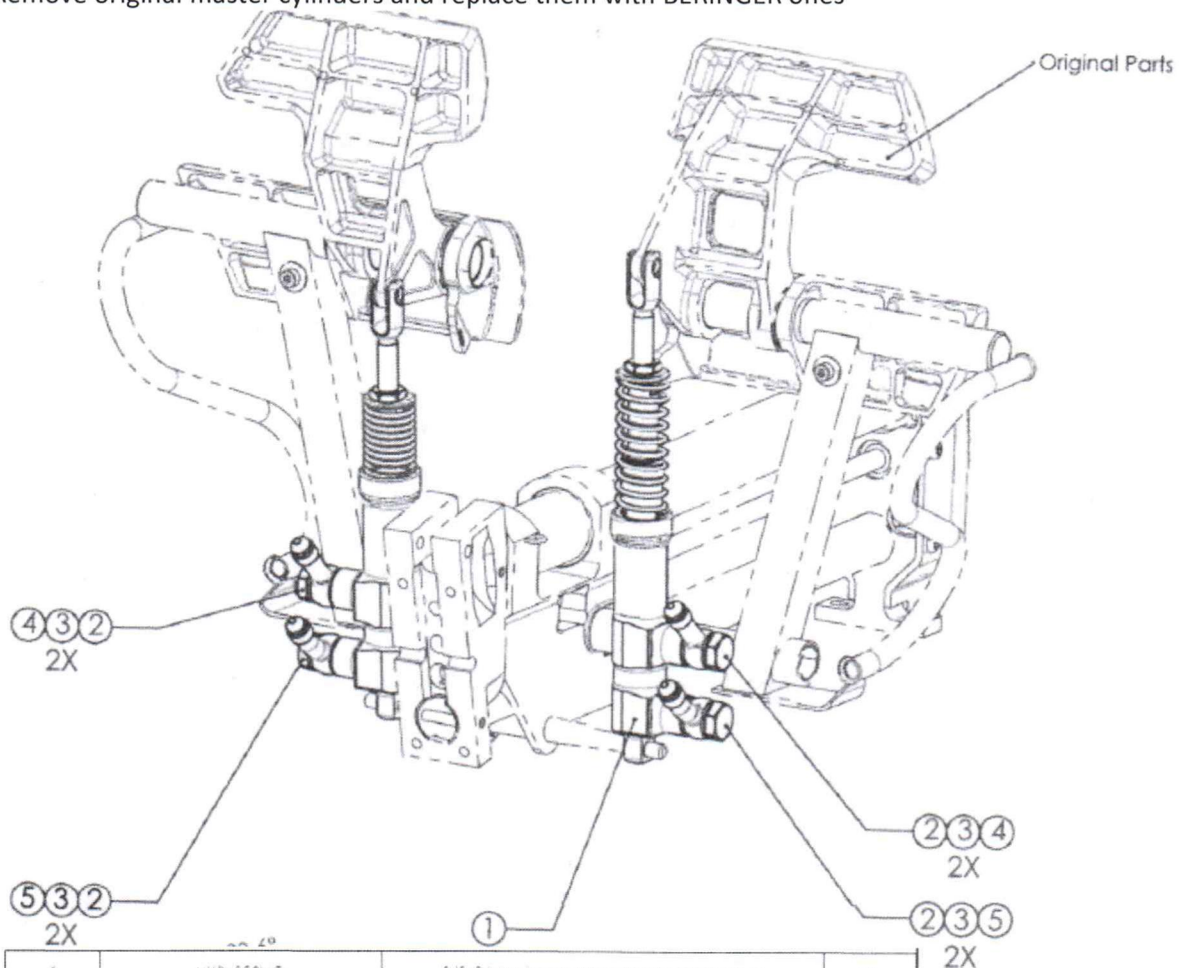
- Remove original master cylinders and replace them with BERINGER ones



5	HYD-022VC	3/8x24_Hydraulic fitting/ banjo 20° à visser	2
4	HYD-005B	Copper Seal/ Joint cuivre	8
3	HYD-003P	Banjo Bolt/ Vis Banjo	4
2	RV-003N(A)	NBR 24.6 ml_Intégral reservoir / Reservoir Intégral	2
1	MP-001.5N(B)	MC14.5 NBR_Master Cylinder/ Maître cylindre	2
REP	PART NUMBER	DESCRIPTION	QTY.

6.6 Pilot Master Cylinders Installation

Remove original master cylinders and replace them with BERINGER ones



5	HYD-022VC	3/8x24_Hydraulic fitting/ banjo 20° à visser	2
4	HYD-019VC	3/8x24_Hydraulic fitting/ banjo droit à visser	2
3	HYD-005B	Copper Seal/ Joint cuivre	8
2	HYD-003P	M10x1_Banjo Bolt/ Vis Banjo	4
1	MP-001.5N(B)	MC14.5 NBR (L=187mm)_ Master Cylinder/ Maitre cylindre	2
REP	PART NUMBER	DESCRIPTION	QTY.



Instructions for Continued Airworthiness

Project Reference
STC-021

ICA-STC-021

REV. 00

7 Brake conditioning

BERINGER brakes need to be conditioned prior to use.

Purpose :

The objective of conditioning is to build up heat on the disc with minimum brake pressure so that the coating on the disc is removed and high spots on the pads are made flush with the disc. If too much pressure is applied before conditioning is complete, the pad may leave deposits on the disk which will harden and then gouge the pads, greatly reducing the life of the pads and reducing the effectiveness of the disc. If this happens, it is necessary to remove the discs and sand these deposits flush using sand paper. Finish with 200 grit sandpaper. Before the disc coating is removed, brake torque can be as low as 50% of the rated brake torque. Consider this when preparing to do the conditioning and ensure you have a long and clear straight stretch to begin the conditioning procedure. The total distance travelled during the conditioning procedure will be around 6 miles.

Conditioning Procedure

- Taxi the aircraft for 1500 feet with light brake pressure. If a turn is necessary use a steerable nose wheel if possible, or use very light brake pressure to initiate a wide turn.
- • Perform two consecutive decelerations from 30-35 MPH to 5 MPH applying light brake pressure. Do not come to a complete stop and do not apply full brake effort.
- • Allow the brakes to cool to ambient temperature. The brake disc should have light scratches and discoloration associated with heat.
- • Apply brakes as needed to hold the aircraft at full power. If the brakes hold, the conditioning is complete. If the brakes do not hold, repeat the conditioning procedure.

Initial Use

Completing the procedure above conforms the discs per the requirements of the STC. However, note that the brake performance will continue to improve during the first few hours of use.

8 Maintenance

For maintenance on Wheels & Brakes refer to corresponding BERINGER ETSO (ETSO-006 & ETSO-008)

Inspection		Operation	
Component	Wear Limit	Each Scheduled Maintenance	
Master Cylinder and Support	Visible cracks or leaks	Visual inspection	Check for cracks or leaks
Axle [MLG and NLG]	Visible cracks	Visual inspection	Check for cracks
Wheel or Brake or component there of	See appropriate Servicing Manuals		
If cracks are observed, replace the entire component.			
If leaks are observed at a hydraulic fitting, check the torque on the fitting. If the leak persists, replace the copper crush washers and retorque the fitting. If the leak persists, replace the entire component.			
If leaks are observed originating other than at a hydraulic fitting, replace the entire component.			

	Instructions for Continued Airworthiness	Project Reference STC-021	ICA-STC-021
			REV. 00

9 Component Replacement

9.1 Wheel and Brake Replacement

To remove and replace a wheel assembly or brake assembly, follow the applicable installation instructions above in reverse order.

9.2 Brake Component Replacement

To replace brake discs, brake pads, or to complete maintenance on the brake assembly, refer to the ETSO manufacturer's instructions; MMSUP-ETSO-006.

9.3 Master Cylinder Replacement

The master cylinders can be removed by reversing the applicable installation instructions above. Follow the installation instructions above to install a replacement.

9.4 Axle Replacement

To remove the Main landing gear axle :

- Remove the wheel
- Remove the 4 axle bolts securing the axle to the gear leg.

To remove the Nose landing gear axle :

- Remove the thru axle bolt
- Remove the 2 brackets from each side
- Remove the axle and wheel assembly from the fork

10 System Troubleshooting

This paragraph provides information necessary to identify, diagnose and correct potential problems which may occur with the wheel or brake assemblies.

TROUBLE	PROBABLE CAUSE	CORRECTION
Excessive pedal travel or spongy pedal feel.	Air in hydraulic system	Bleed the hydraulic system
	Leak in the system	Locate leak and retorque fitting or replace component. Re-bleed the system.
	Incorrect brake fluid used caused degradation of rubber seals	Return to brake calipers and master cylinders to manufacturer for replacement.
Brake drag	Residual brake pressure due to excessive pressure in the reservoir.	Open and close the reservoir to release the pressure.
	Incorrect brake fluid used caused degradation of rubber seals	Return to brake calipers and master cylinders to manufacturer for replacement.
Rapid wear of discs or pad	Improper conditioning of pads and/or disc	Replace pads and disc and follow conditioning procedure
Limited brake power	Improper or incomplete conditioning of pads and/or disc	Inspect components and replace if needed. Follow conditioning procedure.
	Leak in system	Locate leak and retorque fitting or replace component. Re-bleed the system.

	Instructions for Continued Airworthiness	Project Reference STC-021	ICA-STC-021
			REV. 00

11 Airworthiness Limitations Section

There is no change in basic aircraft airworthiness limitations



US Department
of Transportation
Federal Aviation
Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020
2/28/2011

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

1. Aircraft	Nationality and Registration Mark N684AB	Serial No. 62.170	
	Make Diamond	Model DA 62	Series
2. Owner	Name (As shown on registration certificate) Boyden Adam G	Address (As shown on registration certificate) Address 3 Boulderback Dr	
		City Henderson	State NV
		Zip 89012-7286	Country USA

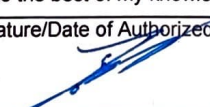
3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
☐	☒	AIRFRAME		(As described in Item 1 above)	
☐	☐	POWERPLANT			
☐	☐	PROPELLER			
☐	☐	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

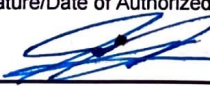
A. Agency's Name and Address		B. Kind of Agency	
Name Salvador Jiminez		☒ U. S. Certificated Mechanic	Manufacturer
Address 1516 68th Ave		☐ Foreign Certificated Mechanic	C. Certificate No.
City Oakland State CA		☐ Certificated Repair Station	
Zip 94621 Country USA		☐ Certificated Maintenance Organization	4273987

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel per 14 CFR Part 43 App. B ☐	Signature/Date of Authorized Individual  01/05/2023
--	---

7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ Approved ☐ Rejected

BY	FAA Flt. Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport Other (Specify)
	FAA Designee	Repair Station	☒ Inspection Authorization	
Certificate or Designation No. 3212565		Signature/Date of Authorized Individual  01/05/2023		

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished

(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

N684AB

01/05/2023

Nationality and Registration Mark

Date

1. Installed Beringer Wheel and Brake System (Kit P/N: STC-021) with optional SensAIR tire pressure sensors in accordance with STC SA000181B.
2. Updated aircraft weight & balance / equipment list this date.
3. Added Instructions for Continued Airworthiness, ICA-STC-021(00) and SB-023(0) to the permanent maintenance records.
4. All work completed in accordance with the Diamond DA 62 Maintenance Manual, the Beringer Wheel & Brake Instructions for Continued Airworthiness ICA-STC-021(00), and the Beringer Wheel & Brake SensAIR Installation Manual MM-08-001(0).

-----END-----

☐ Additional Sheets Are Attached.

Airworthiness Directive Compliance Record

AIRCRAFT RECORDS - DO NOT DESTROY

airframe

Company Absolute Aero Maintenance
Make/Model Diamond -- DA 62
Tail # N684AB
Serial # 62.170

Biweekly Number 2023-01
TACH 188.5
A/C Cert. Date
Total Time 188.5

AD # Effective	Subject	Method of Compliance	SS	R	Date & Hours @ Comp	Next Comp @ Hrs/Date	Auth Sig & Cert No
44-44-44	NO ADS APPLY/						
44-44-44	NO ADS APPLY/						Brandon Thompson A&P 3212565

Prepared by  Date 1/5/2023

Airworthiness Directive Compliance Record

AIRCRAFT RECORDS - DO NOT DESTROY

2023-01

Biweekly Number
TSMOH

Absolute Aero Maintenance

Company

Make/Model

Tail #

Serial #

Location

188.5

Total Time

Total Cycles

AD # Effective	Subject	Method of Compliance	SS	R	Date & Hours @ Comp	Next Comp @ Hrs/Date	Auth Sig & Cert No
* 20-14-07 08/25/2020	TIMING CHAIN EXCESSIVE WEAR AND FUEL INJECTOR FAILURES/	No report of windmilling restarts.		X		If the engine experiences a windmilling restart, timing chain replacement is due within 100 FH or before TTE 900. Fuel injector replacement is due before TTE: 900.0.	Brandon Thompson A&P 3212565
20-15-05 08/31/2020	AFM, ENGINE TIMING CHAIN EXCESSIVE WEAR/	PCW by AFM 11.01.05-E					Brandon Thompson A&P 3212565
* 20-22-14 12/10/2020	TURBOCHARGER WASTEGATE CONTROL ROD INTEGRITY/	Complied with at manufacture.		X			Brandon Thompson A&P 3212565
21-17-01 08/23/2021	OIL PUMP PRESSURE LOSS/	N/A by no -BHY oil pump installed.					Brandon Thompson A&P 3212565
21-24-10 12/27/2021	SAND CASTED OIL PUMP HOUSING IMPROPER CLEANING PROCESS/	N/A by no -BHY oil pump installed.					Brandon Thompson A&P 3212565

Date 1/5/2023

* Indicates possible recurring inspections Tdata, Inc (Tdata.com)

Prepared by

Worthiness Directive Compliance Record

AIRCRAFT RECORDS - DO NOT DESTROY

engine

Company Absolute Aero Maintenance
 Make/Model Austro -- E4P
 Tail # N684AB
 Serial # E4P-C-06063
 Location

Biweekly Number 2023-01
 TSMOH
 Total Time 188.5
 Total Cycles

AD # Effective	Subject	Method of Compliance	SS	R	Date & Hours @ Comp	Next Comp @ Hrs/Date	Auth Sig & Cert No
22-03-03 02/14/2022	HIGH PRESSURE PUMP DRIVING GEAR MANUFACTURE OR ASSEMBLY DAMAGE/	Previously verified N/A by Diamond Canada, revision AE1 drive gear installed.					Brandon Thompson A&P 3212565

Prepared by 

Date 1/5/2023

Airworthiness Directive Compliance Record

AIRCRAFT RECORDS - DO NOT DESTROY

Company Absolute Aero Maintenance
 Make/Model Austro -- E4P
 Tail # N684AB
 Serial # E4P-C-06064
 Location

2023-01

Biweekly Number
TSMOH

Total Time 188.5
 Total Cycles

AD # Effective	Subject	Method of Compliance	SS	R	Date & Hours @ Comp	Next Comp @ Hrs/Date	Auth Sig & Cert No
* 20-14-07 08/25/2020	TIMING CHAIN EXCESSIVE WEAR AND FUEL INJECTOR FAILURES/	No record of windmilling restarts.		X		If the engine experiences a windmilling restart, timing chain replacement is due within 100 FH or before TTE 900. Fuel injector replacement is due before TTE: 900.0.	Brandon Thompson A&P 3212565
20-15-05 08/31/2020	AFM, ENGINE TIMING CHAIN EXCESSIVE WEAR/	PCW by AFM 11.01.05-E					Brandon Thompson A&P 3212565
* 20-22-14 12/10/2020	TURBOCHARGER WASTEGATE CONTROL ROD INTEGRITY/	Complied with at manufacture		X			Brandon Thompson A&P 3212565
21-17-01 08/23/2021	OIL PUMP PRESSURE LOSS/	N/A by no -BHY oil pump installed.					Brandon Thompson A&P 3212565
21-24-10 12/27/2021	SAND CASTED OIL PUMP HOUSING IMPROPER CLEANING PROCESS/	N/A by no -BHY oil pump installed.					Brandon Thompson A&P 3212565

* Indicates possible recurring inspections Tdata, Inc (Tdata.com)

Prepared by

Date

1/5/2023

Airworthiness Directive Compliance Record

AIRCRAFT RECORDS - DO NOT DESTROY

engine

Company Absolute Aero Maintenance
 Make/Model Austro -- E4P
 Tail # N684AB
 Serial # E4P-C-06064
 Location

Biweekly Number 2023-01
 TSMOH
 Total Time 188.5
 Total Cycles

AD # Effective	Subject	Method of Compliance	SS	R	Date & Hours @ Comp	Next Comp @ Hrs/Date	Auth Sig & Cert No
22-03-03 02/14/2022	HIGH PRESSURE PUMP DRIVING GEAR MANUFACTURE OR ASSEMBLY DAMAGE/	Previously verified N/A by Diamond Canada, revision AE1 drive gear installed.					Brandon Thompson A&P 3212565

Airworthiness Directive Compliance Record

AIRCRAFT RECORDS - DO NOT DESTROY

2023-01
188.5

Biweekly Number
TSMOH

Total Time
Total Cycles

Company
Make/Model
Tail #
Serial #
Location
Blade

Absolute Aero Maintenance
MT-Propeller Entwicklung -- MTV-6-()
N684AB
210731
1
MTV-6-R-C-F/CF194-80

AD # Effective	Subject	Method of Compliance	SS	R	Date & Hours @ Comp	Next Comp @ Hrs/Date	Auth Sig & Cert No
* 07-26-13 01/31/2008	TO PREVENT EROSION SHEATH SEPARATION LEADING TO DAMAGE OF THE AIRPLANE/	N/A by manufacture date		X			Brandon Thompson A&P 3212565

* Indicates possible recurring inspections Tdata, Inc (Tdata.com)

Prepared by  Date 1/5/2023

Worthiness Directive Compliance Record

Company

Make/Model

Tail #

Serial #

Location

Blade

Absolute Aero Maintenance

MT-Propeller Entwicklung -- MTV-6-()

N684AB

210732

2

MTV-6-R-C-F/CF194-80

Biweekly Number

TSMOH

2023-01

Total Time

Total Cycles

188.5

AD #	Effective	Subject	Method of Compliance	SS	R	Date & Hours @ Comp	Next Comp @ Hrs/Date	Auth Sig & Cert No
* 07-26-13	01/31/2008	TO PREVENT EROSION SHEATH SEPARATION LEADING TO DAMAGE OF THE AIRPLANE/	N/A by manufacture date		X			Brandon Thompson A&P 3212565

* Indicates possible recurring inspections Tdata, Inc (Tdata.com)

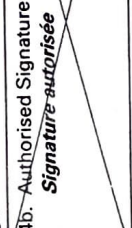
Prepared by

Date

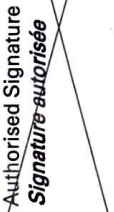


15/2023

1. Approving Competent Authority / Country / Autorité Compétente / Pays		2. AUTHORISED RELEASE CERTIFICATE Certificat Libérateur Autorisé EASA FORM 1 Formulaire 1 de l'EASA		3. Form Tracking Number N° de repère du Formulaire	
DIRECTION GENERALE DE L'AVIATION CIVILE FRANCE				FO-20221225-1	
4. Organisation Name and Address : Nom et Adresse de l'Organisme :		BERINGER AERO 30 rue Pierre Georges Latécoère 05130 TALLARD - FRANCE Tel:+33 (0)4 92 20 16 19 Fax:+33 (0)4 92 52 69 66		5. Work Order / Contract / Invoice Bon de commande / Contrat / Facture CC20221225	
6. Item / Item	7. Description / Description	8. Part No. / N° de pièce	9. Qty / Qté	10. Serial No. / N° série	11. Status / Work / Etat / Travaux
1	Sensair 6" Wheel	TP-006(B)	67	15, 16, 22, 24, 25, 26, 27, 28, 29, 30, 31, 32, 35, 37, 38, 39, 41, 42, 43, 44, 45, 46, 47, 50, 51, 57, 61, 63, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 82, 83, 84, 85, 86, 87, 90, 92, 93, 94, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 110, 111, 112, 114,	NEW
12. Remarks STC EASA N°10077577/ STC EASA n°10065112 Rev.3 / STC EASA n°10043346 Rev. 6. EASA n°10043876 Rev.10 / STC EASA n°10043346 Rev. 6.					
13a Certifies that the items identified above were manufactured in conformity to : Certifie que les éléments identifiés ci-dessus ont été fabriqués conformément aux : ☒ approved design data and are in a condition for safe operation données de conception approuvées et sont en état de fonctionner en toute sécurité ☐ non-approved design data specified in block 12 données de conception non approuvées spécifiées dans la case 12					
13b. Authorised Signature Signature autorisée		13c. Approval/Authorisation Number Numéro d'agrément/d'autorisation FR.21G.0220		14a. ☐ Part 145.A.50 Release to Service Approbation pour remise en service Selon Partie 145.A.50 ☐ Other regulation specified in block 12 Autre réglementation précisée en case 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 Part 145 and in respect to that work the items are considered ready for release to service. Certifie que, sauf indication contraire spécifiée en case 12, les travaux identifiés en case 11 et décrits en case 12 ont été réalisés conformément à la partie 145 et qu'au vu de ces travaux, les pièces sont considérées prêtes à la remise en service.	
13d. Name / Nom M. Frederic SALLE		13e. Date (dd mmm yyyy) / Date (jj mmm aaa) 09 May. 2022		14b. Authorised Signature Signature autorisée 14c. Certificate/Approval Ref. No N° du Certificat/Agrément 14d. Name / Nom 14e. Date (dd mmm yyyy) / Date (jj mmm aaa)	
USER/INSTALLER RESPONSIBILITIES / Responsabilités de l'utilisateur/installateur This certificate does not automatically constitute authority to install the item(s). Ce document ne constitue pas forcément l'autorisation d'installer l'item(s) Where the user/installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts items from the airworthiness authority specified in block 1. Quand l'utilisateur/installateur travaille selon les réglementations d'une autorité de navigabilité mentionnée dans la case 1, il est essentiel que l'utilisateur/installateur s'assure que son autorité de navigabilité accepte les items libérés par l'autorité de navigabilité mentionnée dans la case 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. Les indications portées en cases 13a et 14a ne constituent pas une certification de montage. Dans tous les cas le dossier d'entretien de l'aéronef doit contenir une certification d'installation délivrée conformément aux règlements nationaux par l'utilisateur/installateur avant que l'aéronef puisse voler.					

1. Approving Competent Authority / Country / Autorité Compétente / Pays DIRECTION GENERALE DE L'AVIATION CIVILE FRANCE		2. AUTHORISED RELEASE CERTIFICATE Certificat Libérateur Autorisé EASA FORM 1 Formulaire 1 de l'EASA		3. Form Tracking Number N° de repère du Formulaire FO-20221225-1	
4. Organisation Name and Address : Nom et Adresse de l'Organisme :  BERINGER AERO 30 rue Pierre Georges Latécoère 05130 TALLARD - FRANCE Tel:+33 (0)4 92 20 16 19 Fax:+33 (0)4 92 52 69 66				5. Work Order / Contract / Invoice Bon de commande / Contrat / Facture CC20221225	
6. Item / Item		7. Description / Description		8. Part No. / N° de pièce	
1		Sensair 6" Wheel		TP-006(B)	
9. Qty / Qté		10. Serial No. / N° série		11. Status / Work / Etat / Travaux	
67		15, 16, 22, 24, 25, 26, 27, 28, 29, 30, 31, 32, 35, 37, 38, 39, 41, 42, 43, 44, 45, 46, 47, 50, 51, 57, 61, 63, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 82, 83, 84, 85, 86, 87, 90, 92, 93, 94, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 110, 111, 112, 114,		NEW	
12. Remarks STC EASA N°10077577/ STC EASA n°10065112 Rev.3 / STC EASA n°10053795 Rev.3 / STC EASA n°10045516 Rev.5 / STC EASA n°10043876 Rev.10 / STC EASA n°10043346 Rev. 6.					
13a Certifies that the items identified above were manufactured in conformity to : Certifie que les éléments identifiés ci-dessus ont été fabriqués conformément aux : ☒ approved design data and are in a condition for safe operation données de conception approuvées et sont en état de fonctionner en toute sécurité ☐ non-approved design data specified in block 12 données de conception non approuvées spécifiées dans la case 12					
13b. Authorised Signature Signature autorisée 		13c. Approval/Authorisation Number Numéro d'agrément/d'autorisation FR.21G.0220		14a. ☐ Part 145.A.50 Release to Service Approbation pour remise en service Selon Partie 145.A.50 ☐ Other regulation specified in block 12 Autre réglementation précisée en case 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 Part 145 and in respect to that work the items are considered ready for release to service. Certifie que, sauf indication contraire spécifiée en case 12, les travaux identifiés en case 11 et décrits en case 12 ont été réalisés conformément à la partie 145 et qu'au vu de ces travaux, les pièces sont considérées prêtes à la remise en service.	
13d. Name / Nom M. Frederic SALLE		13e. Date (dd mmm yyyy) / Date (jj mmm aaaa) 09 May. 2022		14b. Authorised Signature Signature autorisée 	
14c. Certificate/Approval Ref. No N° du Certificat/Agrément		14d. Name / Nom		14e. Date (dd mmm yyyy) / Date (jj mmm aaaa)	
USER/INSTALLER RESPONSIBILITIES / Responsabilités de l'utilisateur/installateur This certificate does not automatically constitute authority to install the item(s). Ce document ne constitue pas forcément l'autorisation d'installer l'item(s) Where the user/installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1, authority accepts items from the airworthiness authority specified in block 1. Quand l'utilisateur/installateur travaille selon les réglementations d'une autorité de navigabilité différente de l'autorité de navigabilité mentionnée dans la case 1, son autorité de navigabilité accepte les items libérés par l'autorité de navigabilité mentionnée dans la case 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. Les indications portées en cases 13a et 14a ne constituent pas une certification de montage. Dans tous les cas le dossier d'entretien de l'aéronef doit contenir une certification d'installation délivrée conformément aux règlements nationaux par l'utilisateur/installateur avant que l'aéronef puisse voler.					

1. Approving Competent Authority / Country / Autorité Compétente / Pays DIRECTION GENERALE DE L'AVIATION CIVILE FRANCE		2. AUTHORISED RELEASE CERTIFICATE <i>Certificat Libérateur Autorisé</i> EASA FORM 1 <i>Formulaire 1 de l'EASA</i>		3. Form Tracking Number <i>N° de repère du Formulaire</i> FO-20221225-1		
4. Organisation Name and Address : <i>Nom et Adresse de l'Organisme :</i>  BERINGER AERO 30 rue Pierre Georges Latécoère 05130 TALLARD - FRANCE Tel: +33 (0)4 92 20 16 19 Fax: +33 (0)4 92 52 69 66		5. Work Order / Contract / Invoice <i>Bon de commande / Contrat / Facture</i> CC20221225		11. Status / Work / Etat / Travaux NEW		
6. Item / Item 1	7. Description / Description Sensair 6" Wheel	8. Part No. / N° de pièce TP-006(B)	9. Qty / Qté 67	10. Serial No. / N° série 15, 16, 22, 24, 25, 26, 27, 28, 29, 30, 31, 32, 35, 37, 38, 39, 41, 42, 43, 44, 45, 46, 47, 50, 51, 57, 61, 63, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 82, 83, 84, 85, 86, 87, 90, 92, 93, 94, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 110, 111, 112, 114,	12. Remarks STC EASA N°10077577/ STC EASA n°10065112 Rev.3 / STC EASA n°10053795 Rev.3 / STC EASA n°10045516 Rev.5 / STC EASA n°10043876 Rev.10 / STC EASA n°10043346 Rev. 6.	
13a Certifies that the items identified above were manufactured in conformity to : <i>Certifie que les éléments identifiés ci-dessus ont été fabriqués conformément aux :</i> ☒ approved design data and are in a condition for safe operation <i>données de conception approuvées et sont en état de fonctionner en toute sécurité.</i> ☐ non-approved design data specified in block 12 <i>données de conception non approuvées spécifiées dans la case 12</i>		14a. ☐ Part 145.A.50 Release to Service <i>Approbation pour remise en service</i> Selon Partie 145.A.50 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with Part 145 and in respect to that work the items are considered ready for release to service. <i>Certifie que, sauf indication contraire spécifiée en case 12, les travaux identifiés en case 11 et décrits en case 12 ont été réalisés conformément à la partie 145 et qu'au vu de ces travaux, les pièces sont considérées prêtes à la remise en service.</i>				
13b. Authorised Signature <i>Signature autorisée</i> 		13c. Approval/Authorisation Number <i>Numéro d'agrément/d'autorisation</i> FR.21G.0220		14b. Authorised Signature <i>Signature autorisée</i> 14c. Certificate/Approval Ref. No <i>N° du Certificat/Agrément</i>		
13d. Name / Nom M. Frederic SALLE		13e. Date (dd mm yyyy) / Date (jj mm aaaa) 09 May. 2022		14d. Name / Nom 14e. Date (dd mm yyyy) / Date (jj mm aaaa)		
USER/INSTALLER RESPONSIBILITIES / Responsabilités de l'utilisateur/installateur This certificate does not automatically constitute authority to install the item(s). <i>Ce document ne constitue pas forcément l'autorisation d'installer l'item(s)</i> Where the user/installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1, authority accepts items from the airworthiness authority specified in block 1. <i>Quand l'utilisateur/installateur travaille selon les réglementations d'une autorité de navigabilité différente de l'autorité de navigabilité mentionnée dans la case 1, son autorité de navigabilité accepte les items libérés par l'autorité de navigabilité mentionnée dans la case 1.</i> 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. <i>Les indications portées en cases 13a et 14a ne constituent pas une certification de montage. Dans tous les cas le dossier d'entretien de l'aéronef doit contenir une certification d'installation délivrée conformément aux règlements nationaux par l'utilisateur/installateur avant que l'aéronef puisse voler.</i>						

1. Approving Competent Authority / Country / Autorité Compétente / Pays DIRECTION GENERALE DE L'AVIATION CIVILE FRANCE		2. AUTHORISED RELEASE CERTIFICATE <i>Certificat Libératoire Autorisé</i> EASA FORM 1 <i>Formulaire 1 de l'EASA</i>		3. Form Tracking Number / N° de repère du Formulaire FO-20221994-1	
4. Organisation Name and Address : Nom et Adresse de l'organisme :  BERINGER AERO 30 rue Pierre Georges Latécoères 05130 TALLARD - FRANCE Tel: +33 (0)4 92 20 16 19 Fax: +33 (0)4 92 52 69 66		5. Work Order / Contract / Invoice Bon de commande / Contrat / Facture CC20221994			
6. Item / Item	7. Description / Description	8. Part No. / N° de pièce	9. Qty / Qté	10. Serial No. / N° série	11. Status / Work / Etat / Travaux
1	WHEEL AND BRAKE ASSEMBLY	STC-021 Refer to packing list PL-STC-021	1	Wheel: 092, 093. Refer to packing list PL-STC-021	NEW
12. Remarks STC Approved 24 Mar. 2021, ref: 10075937. <i>Remarques STC Approuvé le 24 Mar. 2021 réf: 10075937.</i>					
13a Certifies that the items identified above were manufactured in conformity to : <i>Certifie que les éléments identifiés ci-dessus ont été fabriqués conformément aux :</i> ☒ approved design data and are in a condition for safe operation <i>données de conception approuvées et sont en état de fonctionner en toute sécurité</i> ☐ non-approved design data specified in block 12 <i>données de conception non approuvées spécifiées dans la case 12</i>					
13b. Authorised Signature / Signature autorisée 		13c. Approval/Autorisation Number / Numéro d'agrément d'autorisation FR.21G.0220		14a. ☐ Part 145.A.50 Release to Service <i>Approbation pour remise en service</i> Selon Partie 145.A.50 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with Part 145 and in respect to that work the items are considered ready for release to service. <i>Certifie que, sauf indication contraire spécifiée en case 12, les travaux identifiés en case 11 et décrits en case 12 ont été réalisés conformément à la partie 145 et qu'au vu de ces travaux, les pièces sont considérées prêtes à la remise en service.</i>	
13d. Name / Nom M. Olivier BANOS		14b. Authorised Signature / Signature autorisée 		14c. Certificate/Approval Ref. No / N° du Certificat/Agrément 	
13e. Date (dd mm yyyy) / Date (jj mm aa) 21 Sept. 2022		14d. Name / Nom 		14e. Date (dd mm yyyy) / Date (jj mm aa) 	
USER/INSTALLER RESPONSIBILITIES / Responsabilités de l'utilisateur/installateur This certificate does not automatically constitute authority to install the item(s). <i>Ce document ne constitue pas forcément l'autorisation d'installer l'item(s)</i> Where the user/installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1 it is essential that the user/installer ensures that his/her airworthiness authority accepts items from the airworthiness authority specified in block 1. <i>Quand l'utilisateur/installateur travaille selon les réglementations d'une autorité de navigabilité différente de l'autorité de navigabilité mentionnée dans la case 1, il est essentiel que l'utilisateur/installateur s'assure que son autorité de navigabilité accepte les items libérés par l'autorité de navigabilité mentionnée dans la case 1.</i> 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. <i>Les indications portées en cases 13a et 14a ne constituent pas une certification de montage. Dans tous les cas le dossier d'entretien de l'aéronef doit contenir une certification d'installation délivrée conformément aux règlements nationaux par l'utilisateur/installateur avant que l'aéronef puisse voler.</i>					



Aéropôle, 05130 TALLARD
Tel: +33 (0)4 92 20 16 19 Fax: +33 (0)4 92 52 69 66
E-mail: contact@beringer-aero.com

PACKING LIST

STC-021(C)



BERINGER Kit Number	Description
DA 62	DA 62

BERINGER Part Reference	Description	QTY	S/N or Batch
AV-DIAM-320L(D)			
EA-004.3NL(C)	4P32-6-15_Left Brake Assy T7/ Etrier de frein Gauche T7	1	082
RF-017.2(A)	Cover 6.00x6" HL_Wheel Assy/ Roue freinée	1	092
AV-DIAM-407(A)	Brake Line / Durite	1	23/22
ECR-001(C)	M35x1.5_Axle nut	1	30-22
FUS-007.7(B)	6.00x6" HL or HE_Axle/ Fusée T7	1	13-22
HYD-003P	Banjo Bolt	1	LI-20220607-03
HYD-005B	Copper Seal	2	LI-20220712-01
PTE-011(A)	EA-004.3_Caliper Spacer / Entretoise Etrier	1	LI-20220324-11
RDL-018(C)	Main Axle Washer /Entretoise	1	M14/22
L-V-003	Cotter Pin 3.2x50	1	LI-20220708-01
ZPA02	Safety Wire	1	38-22
AV-DIAM-320R(D)			
EA-004.3NR(C)	4P32-6-15_Right Brake Assy T7/ Etrier de frein droit T7	1	085
RF-017.2(A)	Cover 6.00x6" HL_Wheel Assy/ Roue freinée	1	093
AV-DIAM-407(A)	Brake Line / Durite	1	23/22
ECR-001(C)	M35x1.5_Axle nut	1	30-22
FUS-007.7(B)	6.00x6" HL or HE_Axle/ Fusée T7	1	13-22
HYD-003P	Banjo Bolt	1	LI-20220607-03
HYD-005B	Copper Seal	2	LI-20220712-01
PTE-011(A)	EA-004.3_Caliper Spacer / Entretoise Etrier	1	LI-20220324-11
RDL-018(C)	Main Axle Washer /Entretoise	1	M14/22
L-V-003	Cotter Pin 3.2x50	1	LI-20220708-01
ZPA02	Safety Wire	1	38-22
AV-DIAM-330(C)			
RA-016.1(B)	6.00x6" LE_Nose Wheel Assy.	1	049
AXP-006.2(B)	6.00x6" LE (L=167)_Nose Wheel Axle / Axe Roue AV	1	18/22
BGE-046(A)	40x35x19_Bearing Spacer / Entretoise Rlt	1	M11-22



Aéropôle, 05130 TALLARD
Tel: +33 (0)4 92 20 16 19 Fax: +33 (0)4 92 52 69 66
E-mail : contact@beringer-aero.com

PACKING LIST

STC-021(C)

AV-DIAM-341L(A)

MP-001.5N(B)	MC14.5 NBR (200mm)_Master Cylinder	2	32-22.3
HYD-003P	Banjo Bolt	4	LI-20220607-03
HYD-005B	Copper Seal	8	LI-20220712-01
HYD-019VC	3/8x24 Hydraulic fitting straight	2	38-22
HYD-022VC	3/8x24_Hydraulic fitting 20°	2	38-22

AV-DIAM-341R(A)

MP-001.5N(B)	MC14.5 NBR (200 mm)_Master Cylinder	2	32-22 ; 32-22.2
RV-003N(A)	NBR 24.6 ml_Integral reservoir	2	26-22
HYD-003P	Banjo Bolt	4	LI-20220607-03
HYD-005B	Copper Seal	8	LI-20220712-01
HYD-022VC	3/8x24_Hydraulic fitting 20°	2	38-22

This packing list must be attached with
EASA FORM 1 reference:

FO-20221994-1

Visa and Date:



21 SEP. 2022

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE				3. Form Tracking Number: SI208878					
4. Organizations Name and Address: Diamond Aircraft Industries Inc. 1560 Crumlin Sideroad London, Ontario N5V1S2						5. Work Order/Contract/Invoice 4244 AOG					
6. Item:		7. Description:		8. Part Number:		9. Quantity:		10. Serial/Batch Number:		11. Status/Work:	
1		Bolt, Hexagon Head Sechskantschraube		LN9037-10075		4		RC2205269 (4)		NEW	
2		Bolt, Small Hexagon		LN9037-M12X80		4		RC0703386 (4)		NEW	
12. Remarks: Customer Reference 4244 AOG											
13a. Certifies that the items identified above were manufactured in conformity to: ☒ Approved design data and are in condition for safe operation ☐ Non-approved design data specified in Block 12.											
14a. ☐ CAR 571.10 Maintenance Release ☐ Other regulations specified in block 12 Certifies that unless 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. Signature 		13c. Approval Organization Number  161		13d. Name Derreck Leenders		14b. Signature		14c. Approved Organization Number		14d. Name	
		13e. Date (dd/mm/yyyy): 15/Dec/2022								14e. Date (dd/mm/yyyy):	
30 Dec 2008(Previously form 24-0078)											
Installer Responsibilities This certificate does not constitute authority to install. Installers working in accordance with the national regulations of a country other than the authority specified in Block 1, must ensure that their regulations recognize certifications from the country specified. Statements 13a or 14a do not constitute installation certification. In all cases, the aircraft technical record 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

Authorized Release Certificate

FAA Form 8130-3, Airworthiness Approval Tag

3. Form Tracking Number:
791107998800-003

4. Organization Name And Address:
GOODYEAR TIRE & RUBBER CO.
100 BUSINESS CENTER DRIVE
STOCKBRIDGE, GA 30281

GOODYEAR TIRE & RUBBER CO.
1901 GOODYEAR BLVD
DANVILLE, VA 24541 (PT2265CE)

5. Work Order/Contract/Invoice Number:
791107998800

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	6.00-6	606T86-3	9	SEE BLOCK 12 - REMARKS	NEW

12. Remarks: 150C62D AIRWORTHINESS APPROVAL

23000599 23150531 23170188 23190223 23190225 23200060 23200074

13a. 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 12.

14a. ☐ 14 CFR 43.9 Return to Service ☐ 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.: PT2265CE	14b. Authorized Signature:	14c. Approval/Certificate No.:
13d. Name (Typed or Printed): PAUL BRYANT	13e. Date (dd/mm/yy): 05/DEC/2022	14d. Name (Typed or Printed):	14e. Date (dd/mm/yyyy):

User/Installer Responsibilities

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.

N684AB

Absolute Aero Maintenance	Manufacturer: Diamond
21889 Skywest Drive	Model: DA 62
Hayward, CA 94541	N-Number: N684AB
510-782-6591	Serial Number: 62.170
www.absolute-aero.com	Work Order: 3866

EQUIPMENT CHANGE - WEIGHT & BALANCE

Items: (Description / P/N / S/N)	Weight	Arm	Moments
	Pounds	Inches	Inch/Pounds
Previous Aircraft Empty Weight:	3771	94.585	356680.17
NET CHANGE - STC SA00018IB, Beringer Wheel & Brake System STC-021	5.24	104.3	546.532
Sensair main wheel pressure sensors (2EA P/N: TP-006(B))	0.4	104.72	41.888
Sensair nose wheel pressure sensor (P/N: TP-006(B))	0.2	33.94	6.788
			0
			0
			0
			0
			0
			0
			0
			0
			0
			0
			0
			0
Totals	3776.8		357275.378

A. Old Empty Weight	3771 Pounds
B. Old Empty CG	94.585 Inches
C. Old Empty Weight CG Moment	356680.2 Inch/Pounds
D. Max Gross Weight	5071 Pounds
E. Old Useful Load	1300 Pounds

A. New Empty Weight	3776.84 Pounds
B. New Empty CG	94.59638 Inches
C. New Empty Weight CG Moment	357275.4 Inch/Pounds
D. Max Gross Weight	5071 Pounds
E. New Useful Load	1294.16 Pounds

This new weight & balance information supersedes all previous weight and balance data.
For aircraft loading, see instructions in Weight & Balance Section of Aircraft Flight Manual.

FAA Form 337 Completed?	☒ Y ☐ N
Equipment List Amended?	☒ Y ☐ N

Brandon Thompson A&P 3212565	1/5/2023
Name, Certificate Number & Authorized Signature	Date

Notes:

WEIGHING REPORT

Model: DA 62 Serial Number: 62.170 Registration:
 Data with reference to the Type Certificate Data Sheet and the Airplane Flight Manual.
 Reference Plane: Vertical plane 2196 mm (86.46 in) in front of the leading edge of wing at the root rib.
 Horizontal reference line: Front baggage compartment floor, right side.
 Equipment Inventory - dated: 24. Sep. 21 Cause for Weighing: Production

weight and Balance Calculations (Weighing at the wheels)
 Weight Condition: Include brake fluid, hydraulic fluid, coolant, engine oil and unusable fuel
 (7.57 liters / 2 US gal.)

Support	Gross	Tare	Net
MAIN G _{ULH}	677 kg	0 kg	677 kg
MAIN G _{RRH}	674 kg	0 kg	674 kg
NOSE G ₂	359.5 kg	0 kg	359.5 kg
Empty Weight			1710.50 kg

Lever Arm
X _{ULH} = 2.8145 m
X _{RRH} = 2.8145 m
X ₂ = 0.854 m

Calculate the Empty Weight: $G = \text{MAIN } G_{ULH} + \text{MAIN } G_{RRH} + \text{NOSE } G_2$
 Weight including required equipment for operation must be between:
 1492 kg and 1583 kg if OAM 62-018 is installed or MAM 62-001 is not installed.
 1492 kg and 1730 kg if MAM 62-001 is installed.

Calculate the Empty Weight Moment:
 $M = (G_{ULH} \times X_{ULH}) + (G_{RRH} \times X_{RRH}) + (G_2 \times X_2)$

Calculate the Empty Weight Center-of-Gravity position: $X_{CG} = M/G$	G = 1710.5 kg
Maximum Take Off Weight	M = 4109.40 kgm
MTOW	$X_{CG} = 2.402 \text{ m}$
	1999 kg
	2300 kg
Maximum useful load = MTOW - G	589.5 kg

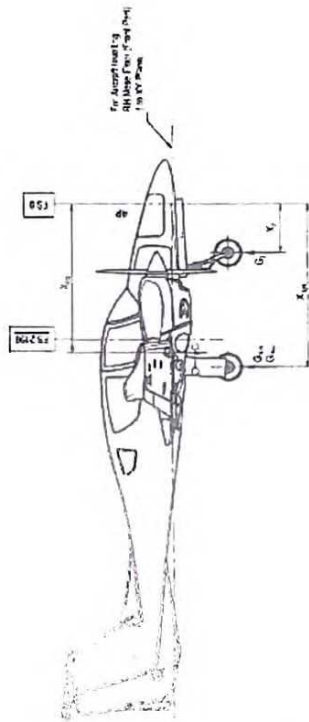
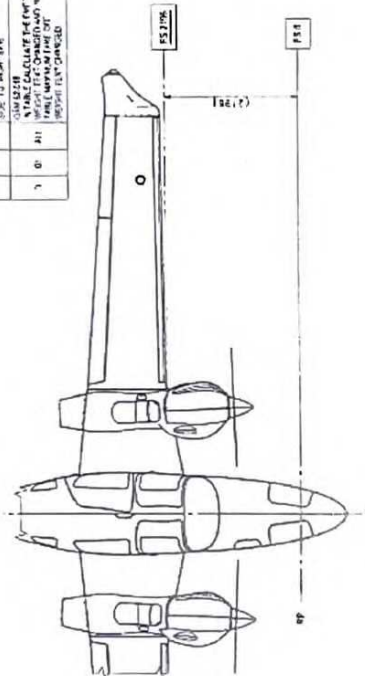
Record the Empty Weight (G) and the Empty-Weight Moment (M) in the Airplane Flight Manual

Place/Date
 Wr. Neustadt
 04. Okt. 21

Authorizing Stamp

Authorizing Signature

Rectification Change	Bulk [kg]	Moment arm [m]	Rectification X _i [m]	Date	Signature



GENERAL NOTES

* For further dimensions see DA 62-018-010

DIVISION: ☒ METRIC ☐ IMPERIAL REF: ☒ YES ☐ NO		REF: ☒ YES ☐ NO REF: ☒ YES ☐ NO		REF: ☒ YES ☐ NO REF: ☒ YES ☐ NO	
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REF: ☒ YES ☐ NO REF: ☒ YES ☐ NO		REF: ☒ YES ☐ NO REF: ☒ YES ☐			

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE		3. Form Tracking Number: SI210938	
4. Organizations Name and Address: Diamond Aircraft Industries Inc. 1560 Crumlin Sideroad London, Ontario N5V1S2				5. Work Order/Contract/Invoice 4421 (AOG)	
6. Item: 1		7. Description: Sensor, Temperature		8. Part Number: AEP-00359-901	
9. Quantity: 1		10. Serial/Batch Number: RC2208435 (1)		11. Status/Work: NEW	
12. Remarks: Customer Reference 4421 (AOG)					
13a. Certifies that the items identified above were manufactured in conformity to: ☒ Approved design data and are in condition for safe operation ☐ Non-approved design data specified in Block 12.					
14a. ☐ CAR 571.10 Maintenance Release ☐ Other regulations specified in block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12, has been performed in compliance with the <i>Canadian Aviation Regulations</i>					
13b. Signature 		13c. Approved Organization Number  /161-93		14b. Signature	
13d. Name Derreck Leenders		13e. Date (dd/mm/yyyy): 01/Mar/2023		14c. Approved Organization Number	
30 Dec 2008(Previously form 24-0078)				14d. Name	
				14e. Date (dd/mm/yyyy)	
Installer Responsibilities					
This certificate does not constitute authority to install. Installers working in accordance with the national regulations of a country other than the authority specified in Block 1, must ensure that their regulations recognize certifications from the country specified. Statements 13a or 14a do not constitute installation certification. In all cases, the aircraft technical record 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. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: 8785077	
4. Organization Name and Address: Textron Aviation Inc. (PC4) Textron Aviation Inc. 1 Cessna Blvd, Wichita, KS 67215					
6. Item: 10	7. Description: BRACKET ASSEMBLY	8. Part Number: 1234009-6	9. Quantity: 1	10. Serial Number: N/A	11. Status/Work: New
12. Remarks: AUTHORIZED RELEASE DOCUMENT PO#: POP5955					
13a. 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 12.		14a. ☐ 14 CFR 43.9 Return to Service ☐ 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.: PC4		14c. Approval/Certificate No.:	
13d. Name (Typed or Printed): TERRY WEEKS		13e. Date (dd/mm/yyyy): 05/Jun/2023		14d. Name (Typed or Printed): 14e. Date (dd/mm/yyyy):	
User/Installer Responsibilities					
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.					

FAA Airworthiness Directives Compliance Record

Company:

Category: Airframe

Manufacturer: Diamond Aircraft Industries GmbH

Model: DA 62

Position:

P/N:

S/N: 62.170

Aircraft Registration No: N684AB

Veryon Revision: 1/21/2026

Issue Number Effective Date Amendment #	Description	Complied	Method of Compliance	Recur	Next Due	Facility Cert No. / Type Authorized By Signed
2024-07-03 4/24/2024	To Address Incorrect Torque Values for the Horizontal Stabilizer Attachment Bolts. The Unsafe Condition, if Not Addressed, Could Result in Premature Wearing of the Horizontal Stabilizer Attachment Bolts, Loss of Structural Integrity of the,contd.	12/22/2023 Hrs: -- C: --	Complied with in accordance with Diamond MSB 62-052 Rev. 0 on 12/22/2023.	No	D: -- Hrs: -- C: --	3212565/AP Brandon Thompson Brandon Thompson 
2023-22-18 1/19/2024	To Prevent Failure of the Baggage Net to Restrain the Baggage or Cargo. The Unsafe Condition, if Not Addressed, Could Result in Injury to Occupants in the Case of an Emergency Landing	12/22/2023 Hrs: -- C: --	N/A by part number (D67-2550-91-00_02).	No	D: -- Hrs: -- C: --	3212565/AP Brandon Thompson Brandon Thompson 

Category: Engine

Manufacturer: Austro Engine GmbH

Model: E4P

Position: Left

P/N: E4P-00-000-000

S/N: E4P-C-06063

Veryon Revision: 1/21/2026

Issue Number Effective Date Amendment #	Description	Complied	Method of Compliance	Recur	Next Due	Facility Cert No. / Type Authorized By Signed
2025-02-12 4/1/2025	The FAA is Issuing this AD to Prevent Piston Failure. the Unsafe Condition, if Not Addressed, Could Result in Loss of Oil, Loss of Engine Power, and Reduced Control of the Airplane.	1/14/2026 Hrs: 538.6 C: --	C/W AD 2025-02-12 by collection of engine oil sample.	Yes	D: -- Hrs: 638.60 C: --	Chennault Flying Service 5064611/A&P Austin Hampton Austin Hampton 

Issue Number Effective Date Amendment #	Description	Complied	Method of Compliance	Recur	Next Due	Facility Cert No. / Type Authorized By Signed
2024-19-10 10/9/2024	[Recurring] To Detect and Address Cracks on the Pistons. The Unsafe Condition, if Not Addressed, Could Result in Engine Failure with Consequent Reduced Control of the Airplane and, for Single-Engine Airplanes, Damage to the Airplane and Injury to,contd.	1/14/2026 Hrs: -- C: --	Not Applicable by engine S/N in accordance with Austro MSB-E4-043/0, dated August 27, 2024.	Yes	D: -- Hrs: -- C: --	Chennault Flying Service 4496124/AP IA Joshua Brecke Joshua Brecke
2024-05-01 3/11/2024	To Prevent Piston Failure. The unsafe Condition, if Not Addressed, Could Result in Engine Failure, Reduced Control of the Airplane, and for Single Engine Airplanes, an Emergency Landing, Possibly Resulting in Damage to the Airplane and Injury to,contd.	1/14/2026 Hrs: -- C: --	Not Applicable by engine serial number in accordance with Austro MSB-E4-042, Revision 0, dated January 31, 2024.	No	D: -- Hrs: -- C: --	Chennault Flying Service 4496124/AP IA Joshua Brecke Joshua Brecke
2022-03-03 2/14/2022	To Prevent the Failure of the HPP Driving Gear. The Unsafe Condition, if Not Addressed, Could Result in In-Flight Engine Shut-Down, Forced Landing, and Damage to the Airplane	12/22/2023 Hrs: -- C: --	Previously verified N/A by Diamond Canada, revision AE1 drive gear installed.	No	D: -- Hrs: -- C: --	3212565/AP Brandon Thompson Brandon Thompson
2021-24-10 12/27/2021	To Prevent Failure of the Engine Lubrication System. The Unsafe Condition, if Not Addressed, Could Result in Failure of the Engine, In-Flight Shutdown, and Loss of the Airplane	12/22/2023 Hrs: -- C: --	N/A by part number, no -BHY oil pump installed.	No	D: -- Hrs: -- C: --	3212565/AP Brandon Thompson Brandon Thompson
2021-17-01 8/23/2021	To Prevent Failure of the Engine Due to Oil Pressure Loss. The Unsafe Condition, if Not Addressed, Could Result in Failure of the Engine, In-Flight Shutdown, and Loss of the Airplane	12/22/2023 Hrs: -- C: --	N/A by part number, no -BHY oil pump installed.	No	D: -- Hrs: -- C: --	3212565/AP Brandon Thompson Brandon Thompson
2020-22-14 12/10/2020	[Recurring] To Prevent Failure of the Turbocharger Waste Gate Control Rod. The Unsafe Condition, if Not Addressed, Could Result in Loss of Engine Thrust Control and Reduced Control of the Airplane	12/22/2023 Hrs: -- C: --	Austro Engine MSB No. MSB-E4-022/5, Rev. No. 5, dated December 12, 2018 complied with at manufacture.	No	D: -- Hrs: -- C: --	3212565/AP Brandon Thompson Brandon Thompson
2020-15-05 8/31/2020	To Prevent Failure of the Engine Timing Chain. The Unsafe Condition, if Not Addressed, Could Result in Failure of the Engine Timing Chain, Loss of Engine Thrust Control, and Reduced Control of the Airplane	12/22/2023 Hrs: -- C: --	PCW by AFM 11.01.05-E	No	D: -- Hrs: -- C: --	3212565/AP Brandon Thompson Brandon Thompson

Issue Number Effective Date Amendment #	Description	Complied	Method of Compliance	Recur	Next Due	Facility Cert No. / Type Authorized By Signed
2020-14-07 8/25/2020	[Recurring] To Prevent Failure of the Timing Chain and Fuel Injectors. if Not Addressed, Could Result in Loss of Engine Thrust Control and Reduced Control of the Airplane	1/14/2026 Hrs: -- C: --	No report of windmilling restarts.	Yes	D: -- Hrs: -- C: --	Chennault Flying Service 4496124/AP IA Joshua Brecke Joshua Brecke 

Category: Engine

Position: Right

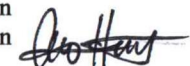
Veryon Revision: 1/21/2026

Manufacturer: Austro Engine GmbH

P/N: E4P-00-000-000

Model: E4P

S/N: E4P-C-06064

Issue Number Effective Date Amendment #	Description	Complied	Method of Compliance	Recur	Next Due	Facility Cert No. / Type Authorized By Signed
2025-02-12 4/1/2025	The FAA is Issuing this AD to Prevent Piston Failure. the Unsafe Condition, if Not Addressed, Could Result in Loss of Oil, Loss of Engine Power, and Reduced Control of the Airplane.	1/14/2026 Hrs: 538.6 C: --	C/W AD 2025-02-12 by collection of engine oil sample.	Yes	D: -- Hrs: 638.60 C: --	Chennault Flying Service 5064611/A&P Austin Hampton Austin Hampton 
2024-19-10 10/9/2024	[Recurring] To Detect and Address Cracks on the Pistons. The Unsafe Condition, if Not Addressed, Could Result in Engine Failure with Consequent Reduced Control of the Airplane and, for Single-Engine Airplanes, Damage to the Airplane and Injury to,contd.	1/14/2026 Hrs: -- C: --	Not Applicable by engine S/N in accordance with Austro MSB-E4-043/0, dated August 27, 2024.	Yes	D: -- Hrs: -- C: --	Chennault Flying Service 4496124/AP IA Joshua Brecke Joshua Brecke 
2024-05-01 3/11/2024	To Prevent Piston Failure. The unsafe Condition, if Not Addressed, Could Result in Engine Failure, Reduced Control of the Airplane, and for Single Engine Airplanes, an Emergency Landing, Possibly Resulting in Damage to the Airplane and Injury to,contd.	1/14/2026 Hrs: -- C: --	Not Applicable by engine serial number in accordance with Austro MSB-E4-042, Revision 0, dated January 31, 2024.	No	D: -- Hrs: -- C: --	Chennault Flying Service 4496124/AP IA Joshua Brecke Joshua Brecke 
2022-03-03 2/14/2022	To Prevent the Failure of the HPP Driving Gear. The Unsafe Condition, if Not Addressed, Could Result in In-Flight Engine Shut-Down, Forced Landing, and Damage to the Airplane	12/22/2023 Hrs: -- C: --	Previously verified N/A by Diamond Canada, revision AE1 drive gear installed.	No	D: -- Hrs: -- C: --	3212565/AP Brandon Thompson Brandon Thompson
2021-24-10 12/27/2021	To Prevent Failure of the Engine Lubrication System. The Unsafe Condition, if Not Addressed, Could Result in Failure of the Engine, In-Flight Shutdown, and Loss of the Airplane	12/22/2023 Hrs: -- C: --	N/A by part number, no -BHY oil pump installed.	No	D: -- Hrs: -- C: --	3212565/AP Brandon Thompson Brandon Thompson 

Issue Number Effective Date Amendment #	Description	Complied	Method of Compliance	Recur	Next Due	Facility Cert No. / Type Authorized By Signed
2021-17-01 8/23/2021	To Prevent Failure of the Engine Due to Oil Pressure Loss. The Unsafe Condition, if Not Addressed, Could Result in Failure of the Engine, In-Flight Shutdown, and Loss of the Airplane	12/22/2023 Hrs: -- C: --	N/A by part number, no -BHY oil pump installed.	No	D: -- Hrs: -- C: --	3212565/AP Brandon Thompson Brandon Thompson
2020-22-14 12/10/2020	[Recurring] To Prevent Failure of the Turbocharger Waste Gate Control Rod. The Unsafe Condition, if Not Addressed, Could Result in Loss of Engine Thrust Control and Reduced Control of the Airplane	12/22/2023 Hrs: -- C: --	Austro Engine MSB No. MSB-E4-022/5, Rev. No. 5, dated December 12, 2018 complied with at manufacture.	No	D: -- Hrs: -- C: --	3212565/AP Brandon Thompson Brandon Thompson
2020-15-05 8/31/2020	To Prevent Failure of the Engine Timing Chain. The Unsafe Condition, if Not Addressed, Could Result in Failure of the Engine Timing Chain, Loss of Engine Thrust Control, and Reduced Control of the Airplane	12/22/2023 Hrs: -- C: --	PCW by AFM 11.01.05-E	No	D: -- Hrs: -- C: --	3212565/AP Brandon Thompson Brandon Thompson
2020-14-07 8/25/2020	[Recurring] To Prevent Failure of the Timing Chain and Fuel Injectors. if Not Addressed, Could Result in Loss of Engine Thrust Control and Reduced Control of the Airplane	1/14/2026 Hrs: -- C: --	No report of windmilling restarts.	Yes	D: -- Hrs: -- C: --	Chennault Flying Service 4496124/AP IA Joshua Brecke Joshua Brecke

Category: Propeller

Position: Left

Veryon Revision: 1/21/2026

Manufacturer: MT-Propeller Entwicklung GmbH

P/N:

Model: MTV-6-R-()-()

S/N: 210731

Issue Number Effective Date Amendment #	Description	Complied	Method of Compliance	Recur	Next Due	Facility Cert No. / Type Authorized By Signed
2007-26-13 1/31/2008	[Recurring] To prevent erosion sheath separation leading to damage of the airplane	12/22/2023 Hrs: -- C: --	N/A by manufacture date	Yes	D: -- Hrs: -- C: --	3212565/AP Brandon Thompson Brandon Thompson

Category: Propeller

Position: Right

Veryon Revision: 1/21/2026

Manufacturer: MT-Propeller Entwicklung GmbH

P/N:

Model: MTV-6-R-()-()

S/N: 210732

Issue Number Effective Date Amendment #	Description	Complied	Method of Compliance	Recur	Next Due	Facility Cert No. / Type Authorized By Signed
2007-26-13 1/31/2008	[Recurring] To prevent erosion sheath separation leading to damage of the airplane	12/22/2023 Hrs: -- C: --	N/A by manufacture date	Yes	D: -- Hrs: -- C: --	3212565/AP Brandon Thompson Brandon Thompson

Category: Appliance

Position:

Veryon Revision: 1/21/2026

Manufacturer: Beringer

P/N: TP-006

Model: Certified Wheels and Brakes

S/N:

Issue Number Effective Date Amendment #	Description	Complied	Method of Compliance	Recur	Next Due	Facility Cert No. / Type Authorized By Signed
--		-- Hrs: -- C: --		--	D: -- Hrs: -- C: --	

Category: Appliance

Position:

Veryon Revision: 1/21/2026

Manufacturer: Kannad Company

P/N: S1851501-02

Model: 406 Survival

S/N: LX1101996903

Issue Number Effective Date Amendment #	Description	Complied	Method of Compliance	Recur	Next Due	Facility Cert No. / Type Authorized By Signed
--		-- Hrs: -- C: --		--	D: -- Hrs: -- C: --	