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|--|--|---|---|
| 1. Approving Civil Aviation Authority/Country:<br><b>FAA/UNITED STATES</b>   | 2. <b>AUTHORIZED RELEASE CERTIFICATE</b><br><b>FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG</b> |   | 3. Form Tracking Number:<br><b>1028028</b>        |
| 4. Organization Name and Address:<br>Velocity Aerospace - Ft. Lauderdale<br>5352 NW 21st Terrace<br>Ft. Lauderdale, FL 33309<br>Ph: 954/772-4559, Fax: 954/493-8960  |  |   |   |
| FAA Repair Station No. <b>WI4R623M</b>   |  |   |   |
| 6. Item<br>1. ALTIMETER  | 7. Description:<br>C14129BA  | 8. Part Number:<br>C14129BA                         | 9. Quantity:<br>1.00                              |
| 10. Serial Number:<br>202  |  | 11. Status/Work:<br>REPAIRED                        |   |
| 12. Remarks:<br>Full details of the work performed indicated in Block 11 are documented on W/O 04_267630   |  |   |   |
| Technical Data: 34-11-52<br>Revision#: 5 Revision Date: 3/12/2010  |  |   |   |
| Certifies work specified in Blocks 11/12 was carried out in accordance with EASA Part 145, and with respect to that work, the component is considered ready for release to service under EASA Part 145 Approval Number: EASA.145.0145.9.   |  |   |   |
| 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 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:<br><i>Trevor Storrod</i> | 14c. Approval/Certificate No.:<br><b>WI4R623M</b> |
| 13d. Name (Typed or Printed):  | 14d. Name (Typed or Printed):<br>Trevor Storrod  |   |   |
| 14e. Date (dd/mm/yyyy):<br>28-Sep-2018   |  |   |   |
| 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. Statement 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. |  |   |   |



Velocity Aerospace - FT.  
Lauderdale  
5352 NW 21 Terrace  
Ft. Lauderdale, FL 33309

800/422-4559 or 954/772-4559  
954/493-8960(Fax)  
FAA CRS NO> WI4R623M

**WORK ORDER FORM 100**

WORK ORDER 04\_267630

Entry Date: 9/24/2018  
Work Req: REPAIR  
PN: C14129BA  
Desc.: ALTIMETER  
Serial: 202  
Manuf: -  
Model  
Mnl Id: SXT018  
Cust Ref#: 110410

Bill To  
BURWOOD AVIATION SUPPLIES LTD  
Gary@burwood.aero  
441202825434(Phone)  
441202823416(FAX)

Ship To:  
BURWOOD AVIATION SUPPLIES LTD  
ATTN DARON GOLDING  
BURWOOD HOUSE 8, BESSEMER CLOSE  
VERWOOD, DORSET BH316AZ  
ENGLAND  
441202825434(Phone)  
441202823416(FAX)

REASON FOR REMOVAL:

NONE GIVEN

PRELIMINARY INSPECTION:

VERIFIED P/N, S/N. UNIT OFF AT FIELD ELEVATION. EXCESSIVE DRAG THROUGH COUNTER.

HIDDEN DAMAGE:

N/A

TEARDOWN FINDINGS:

REMOVE CASE AND TROUBLESHOOT. COUNTER AND HANDSTAFF ASSEMBLIES CONTAMINATED.

CORRECTIVE ACTION:

DISASSEMBLED AND INSPECTED. CLEANED COUNTER AND HANDSTAFF ASSEMBLIES, CALIBRATED AND REINSTALLED CASE. UNIT REPAIRED AND TESTED WITHIN MANUFACTURER'S SPECS AND CERTIFIED PER F.A.R. 43.

TECHNICIAN: Charles Meli

DATE: 9/28/2018

CALIBRATION INFORMATION:

NO AD'S APPLY. AMEND A APPLY.

FINAL INSPECTION:

THE COMPONENT IDENTIFIED ABOVE WAS SERVICE AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION AGENCY REGULATIONS AND FOUND TO BE AIRWORTHY FOR RETURN TO SERVICE.

*Jason Steno*

INSPECTOR SIGNATURE

09/28/18

DATE

2726729

CERTIFICATE NUMBER

NEW / OHC / REP / BC / CERTIFIED TO

ALTIMETER CORRECTION CARD MB

VELOCITY AEROSPACE - FT. LAUDERDALE 04-267650  
 FAA# W14R62M Work Order#

- Manufacturer's Specifications
- Altimeter Test per F.A.R. 25.121 Appendix E (b)

Technician Charles M Date 04/28/2018

Name BURWOOD Part No. C14129FA Serial No. 202

Remarks From Standard Inspector

| STD ALT | ERROR | TOL ± | TEST                   | TOLERANCE |
|---------|-------|-------|------------------------|-----------|
| -1,000  | 0     | 20    | CASE LEAK <u>OK</u>    | ±100 FT.  |
| 0       | 0     | 20    | HYSTERESIS             |           |
| 500     | 0     | 20    | 50 Max AH <u>20</u>    | ±75 ft.   |
| 1,000   | +10   | 20    | 40 Max AH <u>20</u>    | ±75 ft.   |
| 1,500   | 0     | 25    | AFTER EFFECT <u>5</u>  | ±30 ft.   |
| 2,000   | -5    | 30    | FRICION                | TOLERANCE |
| 3,000   | 15    | 30    | 1,000 <u>VIBRATION</u> | ±70 ft.   |
| 4,000   | -20   | 35    | 2,000                  | ±70 ft.   |
| 6,000   | -3    | 40    | 3,000                  | ±70 ft.   |
| 8,000   | 1     | 60    | 5,000                  | ±70 ft.   |
| 10,000  | 0     | 80    | 10,000                 | ±80 ft.   |
| 12,000  | 0     | 90    | 15,000                 | ±90 ft.   |
| 14,000  | -5    | 100   | 20,000                 | ±100 ft.  |
| 16,000  | -5    | 110   | 25,000                 | ±120 ft.  |
| 18,000  | +5    | 120   | 30,000                 | ±140 ft.  |
| 20,000  | 0     | 130   | 35,000                 | ±160 ft.  |
| 22,000  | +5    | 140   | 40,000                 | ±180 ft.  |
| 25,000  | 0     | 155   | 50,000                 | ±250 ft.  |
| 30,000  | +15   | 180   |                        |           |
| 35,000  | +40   | 205   |                        |           |
| 40,000  | +55   | 230   |                        |           |
| 45,000  | -100  | 255   |                        |           |
| 50,000  | -260  | 280   |                        |           |

  

| PRESSURE ALT. DIFFERENCE |         |              |
|--------------------------|---------|--------------|
| Mb                       | ±25 ft. |              |
| 952                      | -1715   | <u>-1705</u> |
| 965                      | -1344   | <u>-1340</u> |
| 982                      | -864    | <u>-860</u>  |
| 999                      | -391    | <u>-385</u>  |
| 1013                     | +0      | <u>0</u>     |
| 1033                     | +535    | <u>+530</u>  |
| 1046                     | +883    | <u>+875</u>  |
| 1050                     | +989    | <u>+980</u>  |

