



U.S. Department of
Transportation
Federal Aviation
Administration

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

Form Approved
OMB No. 2120-0020
11/30/2007

Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 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. 1421). Failure to report can result in a civil penalty not to exceed \$1,000 for each such violation (Section 901 Federal Aviation Act 1958)

1. Aircraft	Nationality and Registration Mark N2186U	Serial No. 28-7911121	
	Make PIPER	Model PA-28-236	Series N/A
2. Owner	Name (As shown on registration certificate) TERRY A. OLIN	Address (As shown on registration certificate) Address [REDACTED] City BELLEVUE State NEBRASKA Zip 68005-2024 Country UNITED STATES	

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial Number
☐	☒	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 SILVERHAWK AVIATION, INC.		☒ U.S. Certified Mechanic	☐ Manufacturer
Address [REDACTED]		☐ Foreign Certified Mechanic	C. Certificate No.
City LINCOLN State NEBRASKA		☐ Certified Repair Station	[REDACTED]
Zip 68524-2407 Country UNITED STATES		☐ Certified Maintenance Organization	

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 Shaun M. Krzycki [REDACTED] NOV 18 2015
--	---

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	Person Approved by Canadian Department of Transport
	FAA Designee	X Repair Station	Inspection Authorization	Other (Specify)

Certificate or Designation No. [REDACTED]	Signature/Date of Authorized Individual Justin M. Haack [REDACTED] NOV 18 2015
---	--

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.)

N2186U

NOV 18 2015

Nationality and Registration Mark

Date

S-TEC System 60 Pitch Stabilization System Autopilot Installation STC Number SA5135SW-D

- a. Installed a new S-Tec system 60 Pitch Stabilization autopilot system kit P/N. ST-087 with P/N. TK-086 Auto Trim Option reference S-Tec Bulletin Number 190 Revision 6 dated September 18, 2008, Bulletin Number 189-1 Revision 11 dated January 24, 2001, Master Drawing List Number 9293 Revision G dated April 8, 2014, Master Drawing List Number 9287 Revision K dated January 24, 2011 under the FAA Approved Model List S-Tec Corporation STC Number SA5178SW-D and STC Number SA5135SW-D.
 - c. Completed an electrical load analysis reference AC43.13-1B Chapter 11, Section 3 and Section 5. The newly installed equipment does not exceed 80% buss capacity. This autopilot draws the same or less than the original installation.
 - d. Updated the Aircraft Equipment List and Weight and Balance.
 - e. Flight Manual Supplement: Provided/Installed a copy of the FAA Approved Airplane Flight Manual Supplements S-TEC Corporation Document P/N. 89107-2 dated July 12, 1983, Document P/N. 89102-3 dated September 14, 1990.
 - f. Instructions for Continued Airworthiness: Provided a copy of the system 60 PSS Instructions for continued Airworthiness S-Tec Document P/N. 8127 Revision 1, Document P/N. 8126 Revision 1 with the aircraft records.
 - g. Completed operational ground checks and functional flight test with no discrepancies noted.
- See Silverhawk Aviation, Inc. Shop Order Number 15-20770 for installation details.

-----END-----

☒ Additional Sheets Are Attached