





1. Approving National Aviation Authority/Country: **FAA / United States**

2. **AUTHORIZED RELEASE CERTIFICATE**  
 FAA Form 8130-3 AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number: **120088**

4. Organization Name and Address: **S-TEC Corporation, One S-TEC Way, Mineral Wells, TX 76067-9236**

5. Work Order / Contract / Invoice Number: **240324**

Production Approval #: **PQ0445SW**

7. Item	8. Part Number	9. Eligibility *	10. Quantity	11. Serial/Batch Number	12. Status/Work
1. SINGLE CUE STEERING HORIZON Interface Steering Horizon	ST-670 01180	N/A	1 1	N/A 01180-1207-00541A	NEW NEW

13. Remarks: **AIRWORTHINESS APPROVAL FOR DOMESTIC SHIPMENT ONLY**

The item(s) listed on the document with the form tracking number 120088, ST-670 is a subcomponent to an FAA/PMA assembly, ST-284.

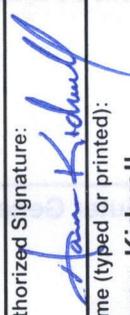
Note: This order contains TSO C9c, C52a article: 01180-(-).

14. 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 13

19.  14 CFR 43.9 Return to Service  Other regulation specified in Block 13

Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 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.

15. Authorized Signature:   
**Aaron Kidwell**

16. Approval/Authorization No.: **DMIR833282SW**

17. Name (typed or printed): **Aaron Kidwell**

18. Date (m/d/y): **Feb. 21, 2012**

20. Authorized Signature:

21. Approval/Certificate No

22. Name (typed or printed):

23. Date (m/d/y)

User / Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/ component/assembly.

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 parts/components/assemblies from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 14 and 19 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.

NSN: 0052-00-012-9005

\* Installer must cross check eligibility with applicable technical data.

FAA Form 8130-3 (10-10) (Computer Generated)

# Airworthiness Approval Tag

## User / Installer Responsibilities

It is important to understand that the existence of this Document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer works 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 parts/components/assemblies from the Airworthiness Authority of the country specified in block 1.

Statements in blocks 14 and 15 do not constitute installation certification. In all cases the aircraft maintenance record must contain an installation certification issued in accordance with the national regulation by the user/installer before the aircraft may be flown.

*The FAA Form 8130-3 and JAA Form One are equivalent. Other countries such as Canada also have equivalent acceptable documents.*

# HORIZONTAL RELEASE

AA Form 8130-3 AIRWORTH

Mineral Wells, TX 76067-9236

8. Part Number	9. E
ON ST-670 01180	

PROVAL FOR DC

form tracking number 120088, ST-c

article; 01180-(.)

YEAR:

DATE

RECORDING TACH TIME

TODAY'S FLIGHT

TOTAL TIME IN SERVICE

Description of Inspections, Tests, Repairs and Alterations

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

11-29-12 Hobbs 4471.3

TRAVEL-AIR N8831M

INSTALL EXCH. KR-87 SW 688/1 ASE REUR.

SWAP APEN R5m plugs and RECALIB.

EFD-1000 MFD EFD-1000 MFD COMPASS.

REF W617717

LANCASTER AVIONICS INC

LANCASTER AIRPORT

LITITZ, PA 17543

DATE 11-29-12

CERTIFICATE NO. LN7R261N

SIGNED

Laytonsville Aircraft Services, LLC  
7200 Hawkins Creamery Road  
Laytonsville, MD 20872  
301-253-2897

AIRCRAFT NUMBER: N8831M SERIAL NUMBER: TD574 DATE: 1/4/13 HOBBS: 4471.8 TOTAL TIME: 4471.8

Panels opened, aircraft serviced and inspected IAW a compliant checklist.

AD listing reviewed using Triton Aviation Data online software.

AD 89-05-02 CW by inspection IAW Para (a), (b) and found to be acceptable. **NEXT DUE 4571.8 HRS. HOBBS/TTAF.**

Continued CW AD 2004-10-14 by no known defined strike since last engine overhaul. **ACTION DUE ONLY IN THE EVENT OF A DEFINED STRIKE OR AT ANY ENGINE TEARDOWN.**

AD 2007-08-08 CW by inspection IAW Para (e) (4) and found to be acceptable. **NEXT DUE 4571.8 HRS. HOBBS/TTAF.**

AD 2011-26-04 CW by inspection IAW Para (h) using criteria in Para (i) and found to be acceptable. **NEXT DUE 4571.8 HRS. HOBBS/TTAF.**

AD 2012-03-06 Permanently CW by installed fuel injection system is not the subject AVSTAR system. **NO FURTHER ACTION REQUIRED.**

AD 2012-19-01 Permanently CW by no crankshaft installations on or after the subject date of January 1, 1997. **NO FURTHER ACTION REQUIRED.**

No additional disclosed AD's are due at this time.

AD Compliance Record Updated.

CW FAR 91.207 (d) by condition inspection of ELT and battery IAW Para. (1-4). **NEXT DUE 1/31/14.**

New ELT battery, P/N BP-1010 installed and operational check performed IAW above.

**ELT battery Expiration Date is FEB 2015.**

Spring mount for nose baggage door repositioned to hold position with door open.

**Avstar Services, LLC**  
15 Creamery Road  
Pikeville, MD 20872  
202-253-2897

DATE: 1/4/13 HOBBS: 4471.8 TOTAL TIME: 4471.8

Avstar Services, LLC

are.

to be acceptable. **NEXT DUE 4571.8 HRS. HOBBS/TTAF.**

since last engine overhaul. **ACTION DUE ONLY IN THE EVENT OF**

and to be acceptable. **NEXT DUE 4571.8 HRS. HOBBS/TTAF.**

ria in Para (i) and found to be acceptable. **NEXT DUE 4571.8 HRS.**

system is not the subject AVSTAR system. **NO FURTHER ACTION**

ions on or after the subject date of January 1, 1997. **NO FURTHER**

Avstar Services, LLC

check performed IAW above.

position with door open.

15. New Cabin Door Steward STC Kit, P/N B40010, installed IAW STC# SA01120SE, Instructions MVA-B40C10M&O, Revision B, January 2, 2010. FAA Form 337 (10-06) added to the aircraft records and filed with the FAA.
16. Crack in nose of right engine upper cowl repaired with fiberglass and resin and paint touched-up.
17. Cabin heat duct resealed with cargo pit tape.
18. Master switch resecured, terminal security checked and found to be correct.
19. Nose strut removed, new O-ring seals, P/N AN6230 B1 and B2 installed, strut reinstalled and serviced with MIL-H-5606A Hydraulic Fluid and nitrogen.
20. Shimmy damper removed, serviced with MIL-H-5606A Hydraulic Fluid and reinstalled.
21. Nose steering idler arm shimmed at bushing to eliminate excessive play.
22. New bushings fabricated and installed for cowl flap hinges as needed.
23. All wing flaps rigged IAW Beechcraft Travel Air Shop Manual instructions.
24. New brake upper hoses fabricated and installed as required.
25. Restrictor fittings for prop de-icing systems removed, cleared of blockages, cleaned and reinstalled. Operational check performed and found to be satisfactory.
26. Inboard exhaust pipe repositioned to reduce staining of underside of wing.
27. Ground run-up and taxi check performed and found to be satisfactory.

I certify that this aircraft has been inspected in accordance with an **ANNUAL INSPECTION** and was determined to be in airworthy condition.

  
John M. Peters, 1546718 A&P, IA

**LAST ENTRY THIS PAGE**



Inspections, Tests, Repairs and Alterations  
(used with Name, Rating and Certificate Number of Technician or Repair  
person for other specific entries.)

Obs: 4472.5

AVEL AIR N8831M

APEN RSM SW 12660 and install

APEN RSM SW 14275 PW 910-00003-001.

APEN EFD-1000 PRO PFA.

17717 & CW APEN SB. 2013-01 SW

6x2.1 APEN SW.

AVIONICS INC

AIRPORT

543

-17-13

NO. LN7R26IN

*[Signature]*

Laytonsville Aircraft Services, LLC  
7200 Hawkins Creamery Road  
Laytonsville, MD 20872  
301-253-2897

AIRCRAFT NUMBER: N8831M SERIAL NUMBER: TD574 DATE: 3/11/14 HOBBS: 4544.0 TOTAL TIME: 4544.0

1. Panels opened, aircraft serviced and inspected IAW a compliant checklist.

2. AD listing reviewed using Triton Aviation Data online software.

3. AD 89-05-02 CW by inspection IAW Para (a), (b) and found to be acceptable. **NEXT DUE 4644.0 HRS. HOBBS/TTAF.**

4. Continued CW AD 2004-10-14 by no known defined strike since last engine overhaul. **ACTION DUE ONLY IN THE EVENT OF A DEFINED STRIKE OR AT ANY ENGINE TEARDOWN.**

5. AD 2007-08-08 CW by inspection IAW Para (e) (4) and found to be acceptable. **NEXT DUE 4644.0 HRS. HOBBS/TTAF.**

6. Continued CW AD 2004-10-14 by no known strike as defined in Para (i), (j) since last engine overhaul. **ACTION DUE ONLY IN THE EVENT OF A DEFINED STRIKE OR AT ANY ENGINE TEARDOWN.**

7. AD 2011-26-04 CW by inspection IAW Para (h) using criteria in Para (i) and found to be acceptable. **NEXT DUE 4644.0 HRS. HOBBS/TTAF.**

8. No additional disclosed AD's for this aircraft are due at this time.

9. AD Compliance Record Updated.

10. FAR 91.207 (d) CW by condition inspection and operational check of ELT and battery IAW Para. (1-4). **NEXT DUE 1/31/15.**

11. New ELT battery, P/N BP-1010 installed and operational check performed IAW above.

12. **ELT battery Expiration Date is FEB 2015.**

13. Worn baffle seal replaced on right engine as needed.

14. Aileron trim system repaired by installing new Aileron Trim Assembly, P/N 35-380072-1.

15. New weather seal installed at leading edge of cabin door frame.

*(Continued on next page)*

