

Supplemental Type Certificate

Number SA09285AC-D

This Certificate issued to S-TEC Corporation
One S-TEC Way
Mineral Wells Municipal Airport
Mineral Wells, TX 76067-9236

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 3 of the Civil Air Regulations.

A20SO

Original Product Type Certificate Number :

Make : Piper

Model : PA-31, PA-31-300, PA-31-325, and PA-31-350

Description of Type Design Change:

Installation of S-TEC System 20/30 Single and Two Axis Automatic Flight Guidance Systems, Model ST-727-20/30, according to Bulletin No. 827, Revision 6, dated 1-21-11 and Master Drawing List No. 921029, Revision F, dated 1-21-11 or later FAA Approved revisions of the above data (28 Volt System).

Limitations and Conditions :

(See Continuation Sheet, Page 3 and 4, a part of this STC.)

If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

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 : 10-10-97

Date reissued : 2-24-11

Date of issuance : 10-14-97

Date amended : 12-09-97, 5-01-01

By direction of the Administrator



(Signature)

Randy Harper ODA-100.3
ODA Administrator, ODA-700096-SW

(Title)

United States Of America
Department of Transportation - Federal Aviation Administration
Supplemental Type Certificate
(Continuation Sheet)

Number SA09285AC-D
Date Amended 2-24-11

INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Regional Office of the transfer of this Supplemental Type Certificate.

The FAA will reissue the certificate in the name of the transferee and forward it to him.

TRANSFER ENDORSEMENT

Transfer the ownership of Supplemental Type Certificate Number _____

to (*Name of transferee*) _____

(*Address of transferee*) _____

(Number and street)

(City, State, and ZIP code)

from (*Name of grantor*) (*Print or type*) _____

(*Address of grantor*) _____

(Number and street)

(City, State, and ZIP code)

Extent of Authority (*if licensing agreement*): _____

Date of Transfer: _____

Signature of grantor (*In ink*): _____

Supplemental Type Certificate

(Continuation Sheet)

Number SA09285AC-D

Date Amended 2-24-11

Limitations and Conditions (con't.)

1. Also eligible on Models PA-31 and PA-31-300 When Modified Per STC SA970SO (350 H.P. Colemill Conversion).
2. Also eligible on Model PA-31-325 When Modified Per STC SA00048SE (Vortex Generator System).
3. Also eligible on model PA-31-350 when modified per STC SA1151SO (Colemill Panther II conversion) and/or any of the following STCs: STC SA5796NW, STC SA00192SE, STC SA00039SE, STC SA00126SE (vortex generators and gross weight increase).
4. FAA/DAS Approved Pilot's Operating Handbook and/or Airplane Flight Manual Supplement, P/N 891538, dated 10-14-97 is required for Piper Models PA-31 and PA-31-300 And The Above Models When Modified Per STC SA970SO (350 H.P. Colemill Conversion) for S-TEC System 20 or later FAA Approved revisions of the above supplement.
5. FAA/DAS Approved Pilot's Operating Handbook and/or Airplane Flight Manual Supplement, P/N 891549, dated 10-14-97 is required for Piper Model PA-31-325 And The Above Model When Modified Per STC SA00048SE (Vortex Generator System) for S-TEC System 20 or later FAA Approved revisions of the above supplement.
6. FAA/DAS Approved Pilot's Operating Handbook and/or Airplane Flight Manual Supplement, P/N 891539, dated 10-14-97 is required for Piper Models PA-31 and PA-31-300 And The Above Models When Modified Per STC SA970SO (350 H.P. Colemill Conversion) for S-TEC System 30 or later FAA Approved revisions of the above supplement.
7. FAA/DAS Approved Pilot's Operating Handbook and/or Airplane Flight Manual Supplement, P/N 891550, dated 10-14-97 is required for Piper Model PA-31-325 And The Above Model When Modified Per STC SA00048SE (Vortex Generator System) for S-TEC System 30 or later FAA Approved revisions of the above supplement.
8. FAA/DAS Approved Pilot's Operating Handbook and/or Airplane Flight Manual Supplement, P/N 891538, Revision 1, dated 12-09-97 is required for Piper Models PA-31 and PA-31-300 And The Above Models When Modified Per STC SA970SO (350 H.P. Colemill Conversion) for S-TEC System 20 or later FAA Approved revisions of the above supplement.
9. FAA/DAS Approved Pilot's Operating Handbook and/or Airplane Flight Manual Supplement, P/N 891539, Revision 1, dated 12-09-97 is required for Piper Models PA-31 and PA-31-300 And The Above Models When Modified Per STC SA970SO (350 H.P. Colemill Conversion) for S-TEC System 30 or later FAA Approved revisions of the above supplement.

Supplemental Type Certificate

(Continuation Sheet)

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Limitations and Conditions (con't.)

10. FAA/DAS Approved Pilot's Operating Handbook and/or Airplane Flight Manual Supplement, P/N 891549, Revision 1, dated 12-09-97 is required for Piper Model PA-31-325 And The Above Model When Modified Per STC SA00048SE (Vortex Generator System) for S-TEC System 20 or later FAA Approved revisions of the above supplement.
11. FAA/DAS Approved Pilot's Operating Handbook and/or Airplane Flight Manual Supplement, P/N 891550, Revision 1, dated 12-09-97 is required for Piper Model PA-31-325 And The Above Model When Modified Per STC SA00048SE (Vortex Generator System) for S-TEC System 30 or later FAA Approved revisions of the above supplement.
12. FAA/DAS Approved Pilot's Operating Handbook and/or Airplane Flight Manual Supplement, P/N 892081, dated 5-01-01 is required for Piper model PA-31-350 and model PA-31-350 when modified per STC SA1151SO (Colemill Panther II conversion) and/or any of the following STCs: STC SA5796NW, STC SA00192SE, STC SA00039SE, STC SA00126SE (vortex generators and gross weight increase) for S-TEC System 20 or later FAA Approved revisions of the above supplement.
13. FAA/DAS Approved Pilot's Operating Handbook and/or Airplane Flight Manual Supplement, P/N 892082, dated 5-01-01 is required for Piper model PA-31-350 and model PA-31-350 when modified per STC SA1151SO (Colemill Panther II conversion) and/or any of the following STCs: STC SA5796NW, STC SA00192SE, STC SA00039SE, STC SA00126SE (vortex generators and gross weight increase) for S-TEC System 30 or later FAA Approved revisions of the above supplement.
14. FAA/ODA Approved Pilot's Operating Handbook and/or Airplane Flight Manual Supplement, P/N 892081, Revision 1, dated 2-24-11 is required for Piper model PA-31-350 and model PA-31-350 when modified per STC SA1151SO (Colemill Panther II conversion) and/or any of the following STCs: STC SA5796NW, STC SA00192SE, STC SA00039SE, STC SA00126SE (vortex generators and gross weight increase) for S-TEC System 20 or later FAA Approved revisions of the above supplement.
15. FAA/ODA Approved Pilot's Operating Handbook and/or Airplane Flight Manual Supplement, P/N 892082, Revision 1, dated 2-24-11 is required for Piper model PA-31-350 and model PA-31-350 when modified per STC SA1151SO (Colemill Panther II conversion) and/or any of the following STCs: STC SA5796NW, STC SA00192SE, STC SA00039SE, STC SA00126SE (vortex generators and gross weight increase) for S-TEC System 30 or later FAA Approved revisions of the above supplement.
16. Compatibility of this modification with other previously approved modifications must be determined by the installer.