

Supplemental Type Certificate

Number SA09198AC-D

This Certificate issued to S-TEC Corporation
One S-TEC Way
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 23 of the Federal Aviation Regulations.

Original Product Type Certificate Number : 1A10
Make : Piper
Model : PA-23-250 and PA-E23-250

Description of Type Design Change:

1. Installation of S-TEC System 55/55X Two Axis Automatic Flight Guidance System, Model ST-662, according to Bulletin No. 762, Revision 3, dated 4-02-07. Master Drawing List No. 92973, Revision C, dated 4-02-07 or later FAA Approved revisions of the above data (28 Volt System).
2. Installation of S-TEC System 55X Two Axis Automatic Flight Guidance System, Model ST-662-1 according to Master Data List ST-662-1-L-0001 Revision -, dated 4-16-07 or later FAA Approved revisions of the above data (28 Volt System).

Limitations and Conditions :

1. Compatibility of this design change with previously approved modifications must be determined by the installer.

(see continuation sheet 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 : 2-27-97

Date reissued :

Date of issuance : 3-01-97

Date amended : 7-12-01, 4-18-07

By direction of the Administrator



(Signature)

Randy D. Harper DAS 100.4
DAS Staff Coordinator, DAS700096SW

(Title)

Supplemental Type Certificate

(Continuation Sheet)

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Date Amended 4-18-07

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)*: _____

United States Of America
Department of Transportation - Federal Aviation Administration
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Limitations and Conditions (con't.)

1. Eligibility limited to Piper Models PA-23-250 and PA-E23-250, S/N 27-2000 through S/N 27-7554172 Per Master Drawing List 92973.
2. Also eligible on the above Models when equipped with Approved Turbocharged Engines (250 H.P.) and/or Wing Tip Tanks per STC SA1480WE.
3. Eligibility limited to Piper PA-23-250 S/N 27-7654001 through S/N 27-8154030 Per Master Drawing List ST-662-1-L-0001.
4. When installing a system 55X in a model "F" aircraft in accordance with Master Data List ST-662-1-L-0001, that does not have the Chelton FlightLogic EFIS system installed. Previously proven and certified data should be used to install the S-TEC flight director and heading source as specified below.
Disregard Design Data specified on STC Master Data List ST-662-1-L-0001.
 - Drawing No. 10181 W/D Interconnect System 55X.Utilize the Design Data specified on STC Master Drawing List 92973.
5. FAA/DAS Approved Pilot's Operating Handbook and/or Airplane Flight Manual Supplement, P/N 891332, dated 3-01-97 is required for Piper Models PA-23-250 and PA-E23-250, S/N 27-2000 through S/N 27-7554172 And The Above Models When Equipped With Approved Turbocharged Engines (250 H.P.) and/or Wing Tip Tanks Per STC SA1480WE 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 891332, Revision 1, dated 7-12-01 is required for Piper models PA-23-250 and PA-E23-250, S/N 27-2000 through S/N 27-7554172 and the above models when equipped with approved turbocharged engines (250 H.P.) and/or wing tip tanks per STC SA1480WE for S-TEC System 55/55X 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 ST-662-1-M-0001, dated 4-18-07 is required for Piper models PA-23-250, S/N 27-7654001 through S/N 27-8154030 when equipped with approved turbocharged engines (250 H.P.) for S-TEC System 55X or later FAA Approved revisions of the above supplement.
8. If the holder agrees to permit another person to use this certificate to alter the product, the holder must give the other person written evidence of that permission.

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

Date Amended 4-18-07

Certification Basis: Compliance determination used for this STC

Original Certification Basis

Certification Basis Type Certificate No. 1A10 (CAR 3, dated November 1, 1949, including Amendments 3-1 through 3-9, dated December 15, 1952)

S/N 27-2505 through 27-4916, and 27-7304917 through 27-8154030: CAR 3.242(a) as amended by Amendment 3-14, dated March 13, 1956, superseding original CAR 3.242.

Type Certification is reflected on Type Certificate Data Sheet No. 1A10. Refer to Appendix D, Type Certificate Data Sheet 1A10 Revision 51 dated August 07, 2006.

Although the original aircraft certification basis was CAR 3, the modification certification basis will be applicable FAR 23 requirements unless a CAR 3 requirement is predominantly applicable. Specific proposed applicable paragraphs that S-TEC will find compliance with are:

FAR 23.301 Amdt 23-48	FAR 23.771 Amdt 23-14
FAR 23.303 Amdt -	FAR 23.777 Amdt 23-51
FAR 23.305 Amdt 23-45	FAR 23.779 Amdt 23-51
FAR 23.307 Amdt -	FAR 23.867 Amdt 23-49
FAR 23.391 Amdt 23-48	FAR 23.1301 Amdt 23-20
FAR 23.395 Amdt 23-7	FAR 23.1309 Amdt 23-49
FAR 23.397 Amdt 23-45	FAR 23.1321 Amdt 23-49
FAR 23.561 Amdt 23-48	FAR 23.1322 Amdt 23-43
FAR 23.571 Amdt 23-48	FAR 23.1325 Amdt 23-50
FAR 23.575 Amdt 23-48	FAR 23.1329 Amdt 23-49
FAR 23.601 Amdt -	FAR 23.1335 Amdt 23-20
FAR 23.603 Amdt 23-23	FAR 23.1351 Amdt 23-49
FAR 23.605 Amdt 23-23	FAR 23.1357 Amdt 23-43
FAR 23.607 Amdt 23-48	FAR 23.1359 Amdt 23-49
FAR 23.609 Amdt -	FAR 23.1365 Amdt 23-49
FAR 23.611 Amdt 23-48	FAR 23.1367 Amdt -
FAR 23.613 Amdt 23-45	FAR 23.1381 Amdt -
FAR 23.619 Amdt 23-7	FAR 23.1419 Amdt 23-43
FAR 23.623 Amdt 23-7	FAR 23.1431 Amdt 23-49
FAR 23.625 Amdt 23-7	FAR 23.1501 Amdt 23-21
FAR 23.627 Amdt -	FAR 23.1525 Amdt 23-45
FAR 23.671 Amdt -	FAR 23.1527 Amdt 23-45
FAR 23.672 Amdt 23-45	FAR 23.1529 Amdt 23-26
FAR 23.677 Amdt 23-49	FAR 23.1541 Amdt 23-21
FAR 23.685 Amdt 23-17	FAR 23.1555 Amdt 23-50
FAR 23.689 Amdt 23-7	FAR 23.1581 Amdt 23-50
FAR 23.693 Amdt -	FAR 23.1583 Amdt 23-50
CAR 3 as of 11/01/1949 (As Requ'd) including amend's 3-1 through 3-9, dated 12/15/1952	

“END”