

United States of America  
Department of Transportation — Federal Aviation Administration  
**Supplemental Type Certificate**

*Number* SA5190SW-D

*This certificate, issued to* S-TEC Corporation  
Rt. 4, Bldg. 946  
Wolters Industrial Complex  
Mineral Wells, TX 76067

*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.*

*Original Product — Type Certificate Number:* 2A13  
*Make:* PIPER  
*Model:* PA-28R-180, PA-28R-200, PA-28R-201  
AND PA-28R-201T

*Description of Type Design Change:*

Installation of S-TEC System 40/50 Single and Two Axis Automatic Flight Guidance Systems, Model ST-177-40/50, according to Bulletin No. 277, Revision 2, dated 7-09-90 and Master Drawing List No. 92205, Revision B, dated 7-09-90, and/or later FAA Approved revisions of the above data, (14 Volt System).

*Limitations and Conditions:*

1. FAA Approved Supplement to Pilot's Operating Handbook and/or FAA Approved Airplane Flight Manual, P/N 89228, dated 8-05-83 is required for Piper Models PA-28R-201 and PA-28R-201T for S-TEC System 40, and/or later FAA Approved revisions of the above supplement.

(See Continuation Sheet, Page 2, a part of this STC).

*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:* 7-08-83

*Date received:* 4-09-84, 7-27-90, Revision 2

*Date of issuance:* 8-05-83

*Date amended:*



*By direction of the Administrator*  
*Harold W. Holdeman*  
(Signature)

Harold W. Holdeman  
DAS Staff Coordinator, DAS 5 SW  
(Title)

*Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.*

*This certificate may be transferred in accordance with FAR 21.47.*

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

*Number* SA5190SW-D, Revision 2

Limitations and Conditions (con't.)

2. FAA Approved Supplement to Pilot's Operating Handbook and/or FAA Approved Airplane Flight Manual, P/N 89229, dated 8-05-83 is required for Piper Models PA-28R-201 and PA-28R-201T for S-TEC System 50, and/or later FAA Approved revisions of the above supplement.
3. FAA Approved Supplement to Pilot's Operating Handbook and/or FAA Approved Airplane Flight Manual, P/N 89411, dated 4-09-84 is required for Piper Model PA-28R-200, S/N 28R-7235001 & Up for S-TEC System 40, and/or later FAA Approved revisions of the above supplement.
4. FAA Approved Supplement to Pilot's Operating Handbook and/or FAA Approved Airplane Flight Manual, P/N 89412, dated 4-09-84 is required for Piper Model PA-28R-200, S/N 28R-7235001 & Up for S-TEC System 50, and/or later FAA Approved revisions of the above supplement.
5. FAA Approved Supplement to Pilot's Operating Handbook and/or FAA Approved Airplane Flight Manual, P/N 89887, dated 7-27-90 is required for Piper Models PA-28R-180; and PA-28R-200, S/N 28R-35001 through S/N 28R-7135329 for System 40, and/or later FAA Approved revisions of the above supplement.
6. FAA Approved Supplement to Pilot's Operating Handbook and/or FAA Approved Airplane Flight Manual, P/N 89888, dated 7-27-90 is required for Piper Models PA-28R-180; and PA-28R-200, S/N 28R-35001 through S/N 28R-7135329 for System 50, and/or later FAA Approved revisions of the above supplement.
7. Compatability of this modification with other previously approved modifications must be determined by the installer.

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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.

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### 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)*: \_\_\_\_\_