

Supplemental Type Certificate

Number SA09267AC-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 herein meets the airworthiness requirements of Part 3 of the Civil Air Regulations.

Original Product Type Certificate Number: 5A6
Make: Cessna
Model: 180, 180A, 180B, 180C, 180D, 180E, 180F, 180G, 180H,
180J, and 180K

Description of Type Design Change:

Installation of S-TEC System 20/30 Single and Two Axis Automatic Flight Guidance Systems, Model ST-720-20/30, according to Bulletin No. 820, Revision 3, dated 3-15-99 and Master Drawing List No. 921020, Revision C, dated 3-15-99 or later FAA Approved revisions of the above data (14 Volt System).

Limitations and Conditions:

1. Also eligible on the above models (floatplane or amphibian) when equipped with STC SA1435WE (Robertson STOL) or STC SA967CE (Horton STOL) and/or STC SA1705WE (internal tip tanks).
(See Continuation Sheets, Pages 2, 3, 4, and 5, 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: 8-12-97

Date issued:

Date of issuance: 8-15-97

Date amended: 1-04-99, 3-19-99, Revision 2

By direction of the Administrator



Michael Keirnan

(Signature)

Michael Keirnan
DAS Staff Coordinator, DAS 5 SW

(Title)

Supplemental Type Certificate

(Continuation Sheet)

Number SA09267AC-D, Revision 2

Limitations and Conditions (con't.)

2. Also eligible on the above models (landplane) when equipped with STC SA1435WE (Robertson STOL) or STC SA967CE (Horton STOL) and/or any combination of the following STCs: STC SA649NW (gross weight increase), STC SA09132SC (engine conversion), STC SA09030SC (Hartzell propeller), STC SA1603SO (speed kit), STC SA1705WE (internal tip tanks).
3. FAA/DAS Approved Supplemental Flight Manual, P/N 891491, dated 8-15-97 is required for Cessna Models 180, 180A, 180B, 180C, 180D, 180E, and 180F (Landplane, Floatplane or Amphibian) and The Above Models When Modified per STC SA1705WE (Internal Tip Tanks) and/or STC SA1435WE (Robertson STOL) for S-TEC System 20 or later FAA Approved revisions of the above supplement.
4. FAA/DAS Approved Supplemental Flight Manual, P/N 891492, dated 8-15-97 is required for Cessna Models 180G, 180H, 180J; and 180K, S/N 18053000 and Below (Landplane, Floatplane or Amphibian) and The Above Models When Modified Per STC SA1705WE (Internal Tip Tanks) and/or STC SA1435WE (Robertson STOL) 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 891493, dated 8-15-97 is required for Cessna Model 180K, S/N 18053001 and Up (Landplane, Floatplane or Amphibian) and The Above Model When Modified Per STC SA1705WE (Internal Tip Tanks) and/or STC SA1435WE (Robertson STOL) for S-TEC System 20 or later FAA Approved revisions of the above supplement.
6. FAA/DAS Approved Supplemental Flight Manual, P/N 891496, dated 8-15-97 is required for Cessna Models 180, 180A, 180B, 180C, 180D, 180E, and 180F (Landplane, Floatplane or Amphibian) and The Above Models When Modified per STC SA1705WE (Internal Tip Tanks) and/or STC SA1435WE (Robertson STOL) for S-TEC System 30 or later FAA Approved revision of the above supplement.
7. FAA/DAS Approved Supplemental Flight Manual, P/N 891497, dated 8-15-97 is required for Cessna Models 180G, 180H, 180J; and 180K, S/N 18053000 and Below (Landplane, Floatplane or Amphibian) and The Above Models When Modified Per STC SA1705WE (Internal Tip Tanks) and/or STC SA1435WE (Robertson STOL) 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 891498, dated 8-15-97 is required for Cessna Model 180K, S/N 18053001 and Up (Landplane, Floatplane or Amphibian) and The Above Model When Modified Per STC SA1705WE (Internal Tip Tanks) and/or STC SA1435WE (Robertson STOL) for S-TEC System 30 or later FAA Approved revisions of the above supplement.

Supplemental Type Certificate

(Continuation Sheet)

Number SA09267AC-D, Revision 2

Limitations and Conditions (con't.)

9. FAA/DAS Approved Supplemental Flight Manual, P/N 891491, Revision 1, dated 1-04-99 is required for 1. Cessna models 180, 180A, 180B, 180C, 180D, 180E, and 180F (floatplane or amphibian) and the above models when modified per STC SA1705WE (internal tip tanks) and/or STC SA1435WE (Robertson STOL) 2. Cessna models 180, 180A, 180B, 180C, 180D, 180E, and 180F (landplane) and the above models when modified per STC SA649NW (gross weight increase), STC SA09132SC (engine conversion), STC SA09030SC (Hartzell propeller), STC SA1603SO (speed kit), STC SA1705WE (internal tip tanks), and STC SA1435WE (Robertson STOL) or any combination of the above for S-TEC System 20 or later FAA Approved revisions of the above supplement.
10. FAA/DAS Approved Supplemental Flight Manual, P/N 891492, Revision 1, dated 1-04-99 is required for 1. Cessna models 180G, 180H, 180J; and 180K, S/N 18053000 and below (floatplane or amphibian) and the above models when modified per STC SA1705WE (internal tip tanks) and/or STC SA1435WE (Robertson STOL) 2. Cessna models 180G, 180H, 180J; and 180K, S/N 18053000 and below (landplane) and the above models when modified per STC SA649NW (gross weight increase), STC SA09132SC (engine conversion), STC SA09030SC (Hartzell propeller), STC SA1603SO (speed kit), STC SA1705WE (internal tip tanks), and STC SA1435WE (Robertson STOL) or any combination of the above 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 891493, Revision 1, dated 1-04-99 is required for 1. Cessna model 180K, S/N 18053001 and up (floatplane or amphibian) and the above model when modified per STC SA1705WE (internal tip tanks) and/or STC SA1435WE (Robertson STOL) 2. Cessna model 180K, S/N 18053001 and up (landplane) and the above model when modified per STC SA649NW (gross weight increase), STC SA09132SC (engine conversion), STC SA09030SC (Hartzell propeller), STC SA1603SO (speed kit), STC SA1705WE (internal tip tanks), and STC SA1435WE (Robertson STOL) or any combination of the above for S-TEC System 20 or later FAA Approved revisions of the above supplement.
12. FAA/DAS Approved Supplemental Flight Manual, P/N 891496, Revision 1, dated 1-04-99 is required for 1. Cessna models 180, 180A, 180B, 180C, 180D, 180E, and 180F (floatplane or amphibian) and the above models when modified per STC SA1705WE (internal tip tanks) and/or STC SA1435WE (Robertson STOL) 2. Cessna models 180, 180A, 180B, 180C, 180D, 180E, and 180F (landplane) and the above models when modified per STC SA649NW (gross weight increase), STC SA09132SC (engine conversion), STC SA09030SC (Hartzell propeller), STC SA1603SO (speed kit), STC SA1705WE (internal tip tanks), and STC SA1435WE (Robertson STOL) or any combination of the above for S-TEC System 30 or later FAA Approved revisions of the above supplement.

Supplemental Type Certificate

(Continuation Sheet)

Number SA09267AC-D, Revision 2

Limitations and Conditions (con't.)

13. FAA/DAS Approved Supplemental Flight Manual, P/N 891497, Revision 1, dated 1-04-99 is required for 1. Cessna models 180G, 180H, 180J; and 180K, S/N 18053000 and below (floatplane or amphibian) and the above models when modified per STC SA1705WE (internal tip tanks) and/or STC SA1435WE (Robertson STOL) 2. Cessna models 180G, 180H, 180J; and 180K, S/N 18053000 and below (landplane) and the above models when modified per STC SA649NW (gross weight increase), STC SA09132SC (engine conversion), STC SA09030SC (Hartzell propeller), STC SA1603SO (speed kit), STC SA1705WE (internal tip tanks), and STC SA1435WE (Robertson STOL) or any combination of the above for S-TEC System 30 or later FAA Approved revisions of the above supplement.
14. FAA/DAS Approved Pilot's Operating Handbook and/or Airplane Flight Manual Supplement, P/N 891498, Revision 1, dated 1-04-99 is required for 1. Cessna model 180K, S/N 18053001 and up (floatplane or amphibian) and the above model when modified per STC SA1705WE (internal tip tanks) and/or STC SA1435WE (Robertson STOL) 2. Cessna model 180K, S/N 18053001 and up (landplane) and the above model when modified per STC SA649NW (gross weight increase), STC SA09132SC (engine conversion), STC SA09030SC (Hartzell propeller), STC SA1603SO (speed kit), STC SA1705WE (internal tip tanks), and STC SA1435WE (Robertson STOL) or any combination of the above for S-TEC System 30 or later FAA Approved revisions of the above supplement.
15. FAA/DAS Approved Supplemental Flight Manual, P/N 891491, Revision 2, dated 3-19-99 is required for 1. Cessna models 180, 180A, 180B, 180C, 180D, 180E, and 180F (floatplane or amphibian) and the above models when equipped with STC SA1435WE (Robertson STOL) or STC SA967CE (Horton STOL) and/or STC SA1705WE (internal tip tanks); 2. Cessna models 180, 180A, 180B, 180C, 180D, 180E, and 180F (landplane) and the above models when equipped with STC SA1435WE (Robertson STOL) or STC SA967CE (Horton STOL) and/or any combination of the following STCs: STC SA649NW (gross weight increase), STC SA09132SC (engine conversion), STC SA09030SC (Hartzell propeller), STC SA1603SO (speed kit), STC SA1705WE (internal tip tanks) for S-TEC System 20 or later FAA Approved revisions of the above supplement.
16. FAA/DAS Approved Supplemental Flight Manual, P/N 891492, Revision 2, dated 3-19-99 is required for 1. Cessna models 180G, 180H, 180J; and 180K, S/N 18053000 and below (floatplane or amphibian) and the above models when equipped with STC SA1435WE (Robertson STOL) or STC SA967CE (Horton STOL) and/or STC SA1705WE (internal tip tanks); 2. Cessna models 180G, 180H, 180J; and 180K, S/N 18053000 and below (landplane) and the above models when equipped with STC SA1435WE (Robertson STOL) or STC SA967CE (Horton STOL) and/or any combination of the following STCs: STC SA649NW (gross weight increase), STC SA09132SC (engine conversion), STC SA09030SC (Hartzell propeller), STC SA1603SO (speed kit), STC SA1705WE (internal tip tanks) for S-TEC System 20 or later FAA Approved revisions of the above supplement.

Supplemental Type Certificate

(Continuation Sheet)

Number SA09267AC-D, Revision 2

Limitations and Conditions (con't.)

17. FAA/DAS Approved Pilot's Operating Handbook and/or Airplane Flight Manual Supplement, P/N 891493, Revision 2, dated 3-19-99 is required for 1. Cessna model 180K, S/N 18053001 and on (floatplane or amphibian) and the above model when equipped with STC SA1435WE (Robertson STOL) or STC SA967CE (Horton STOL) and/or STC SA1705WE (internal tip tanks); 2. Cessna model 180K, S/N 18053001 and on (landplane) and the above model when equipped with STC SA1435WE (Robertson STOL) or STC SA967CE (Horton STOL) and/or any combination of the following STCs: STC SA649NW (gross weight increase), STC SA09132SC (engine conversion), STC SA09030SC (Hartzell propeller), STC SA1603SO (speed kit), STC SA1705WE (internal tip tanks) for S-TEC System 20 or later FAA Approved revisions of the above supplement.
18. FAA/DAS Approved Supplemental Flight Manual, P/N 891496, Revision 2, dated 3-19-99 is required for 1. Cessna models 180, 180A, 180B, 180C, 180D, 180E, and 180F (floatplane or amphibian) and the above models when equipped with STC SA1435WE (Robertson STOL) or STC SA967CE (Horton STOL) and/or STC SA1705WE (internal tip tanks); 2. Cessna models 180, 180A, 180B, 180C, 180D, 180E, and 180F (landplane) and the above models when equipped with STC SA1435WE (Robertson STOL) or STC SA967CE (Horton STOL) and/or any combination of the following STCs: STC SA649NW (gross weight increase), STC SA09132SC (engine conversion), STC SA09030SC (Hartzell propeller), STC SA1603SO (speed kit), STC SA1705WE (internal tip tanks) for S-TEC System 30 or later FAA Approved revisions of the above supplement.
19. FAA/DAS Approved Supplemental Flight Manual, P/N 891497, Revision 2, dated 3-19-99 is required for 1. Cessna models 180G, 180H, 180J; and 180K, S/N 18053000 and below (floatplane or amphibian) and the above models when equipped with STC SA1435WE (Robertson STOL) or STC SA967CE (Horton STOL) and/or STC SA1705WE (internal tip tanks); 2. Cessna models 180G, 180H, 180J; and 180K, S/N 18053000 and below (landplane) and the above models when equipped with STC SA1435WE (Robertson STOL) or STC SA967CE (Horton STOL) and/or any combination of the following STCs: STC SA649NW (gross weight increase), STC SA09132SC (engine conversion), STC SA09030SC (Hartzell propeller), STC SA1603SO (speed kit), STC SA1705WE (internal tip tanks) for S-TEC System 30 or later FAA Approved revisions of the above supplement.
20. FAA/DAS Approved Pilot's Operating Handbook and/or Airplane Flight Manual Supplement, P/N 891498, Revision 2, dated 3-19-99 is required for 1. Cessna model 180K, S/N 18053001 and on (floatplane or amphibian) and the above model when equipped with STC SA1435WE (Robertson STOL) or STC SA967CE (Horton STOL) and/or STC SA1705WE (internal tip tanks); 2. Cessna model 180K, S/N 18053001 and on (landplane) and the above model when equipped with STC SA1435WE (Robertson STOL) or STC SA967CE (Horton STOL) and/or any combination of the following STCs: STC SA649NW (gross weight increase), STC SA09132SC (engine conversion), STC SA09030SC (Hartzell propeller), STC SA1603SO (speed kit), STC SA1705WE (internal tip tanks) for S-TEC System 30 or later FAA Approved revisions of the above supplement.
21. Compatibility of this modification with other previously approved modifications must be determined by the installer.

INSTRUCTIONS: The transfer endorsement below may be used to notify the appropriate FAA Regional Office of the transfer of the 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 & street)

(City, State, and ZIP code)

Extent of Authority (if licensing agreement): _____

Date of Transfer: _____

Signature of grantor (In ink): _____