

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

Number SA2346CE

This certificate issued to: Hartwig Aircraft Fuel Cell Repair
429 N. St. Francis
Wichita, KS 67202

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 : 5A6
Make : Cessna
Model : 180, A, B, C, D, E, F, G, H, J & K through S/N
18053000 and later 180K airplanes originally
equipped with bladder fuel tanks

Description of Type Design Change:

Installation of standard range 56 or 62 gallon capacity or long range 77 gallon capacity fiberglass fuel tanks in place of original bladder fuel tanks in accordance with Barton Drawing List No. A-1 dated March 2, 1987, revised December 12, 1987, or later "FAA Approved" revisions. Data required for installation: 1.) A copy of this certificate; 2.) Installation Instructions Drawing No. 182-012 Revision E or 182-100 Revision A or later "FAA Approved" revisions; 3.) Manual M182-001 for Repair and Part Numbers; 4.) Airplane Flight Manual Supplements No. 1, 2 and 3 for Models 180, A, B and K dated February 7, 1990 or later "FAA Approved" revisions.

Limitations and Conditions:

This approval should not be extended to other specific airplanes of these models on which other previously approved modifications are incorporated, unless it is determined that the interrelationship between this change and any of those other previously approved modifications will introduce no adverse effect upon the airworthiness of that airplane. 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 : March 3, 1987

Date reissued : November 29, 2003; May 3, 2004

Date of issuance : December 22, 1987

Date amended : February 7, 1990



By direction of the Administrator

Original signed by Eual M. Conditt, Jr.

(Signature)

Eual M. Conditt, Jr.
Associate ACO Manager, Airframe & Services
Wichita Aircraft Certification Office

(Title)