

United States of America  
Department of Transportation -- Federal Aviation Administration

# Supplemental Type Certificate

Number **SA02161AK**

*This certificate issued to:*

McFarlane Aviation, Inc.  
696 E. 1700 Rd  
Baldwin City, KS 66006

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

*Original Product - Type Certificate Number:*

3A13

*Make:*

Cessna

*Model:*

182, 182A, 182B, 182C, 182D

*Description of Type Design Change:* Fabrication and installation of Stabilizer Jack-Screw Actuator in accordance with North Pacific Welding Drawing Number C-0712500, dated March 31, 2000 and Cessna 100 Series 1962 and prior Service Manual, dated February 1, 1962; or McFarlane Aviation, Inc., Drawing 1111-1, revision original, dated June 1, 2010 or later FAA approved revisions.

*Limitations and Conditions:* Compatibility of this design change with previously approved modification must be determined by the installer. 14 CFR Part 43 is adequate to ensure continued airworthiness of this modification.

If the holder agrees to permit another person to use this Certificate to alter the products, then the holder shall give that 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:* June 4, 1999

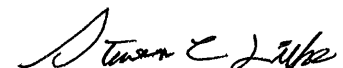
*Date reissued:* September 23, 2009

*Date of issuance:* August 11, 2000

*Date amended:* May 13, 2011



*By direction of the Administrator*

  
(Signature)

Steven C. Litke  
Program Manager  
Wichita Aircraft Certification Office  
(Title)

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

*Number* SA02112AK

*This certificate issued to:*

McFarlane Aviation, Inc.  
696 E. 1700 Rd  
Baldwin City, KS 66006

*certifies that the change in the type design for the following product with the limitations and conditions therefore 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, 180A, 180B, 180C, 180D, 180E, 180F, 180G, 180H, 180J, 180K

*Description of Type Design Change:* Fabrication and installation of Stabilizer Jack-Screw Actuator in accordance with North Pacific Welding Drawing Number C-0712500, dated March 31, 2000 and Cessna Skywagon 180 and 185 Series Service Manual; or McFarlane Aviation, Inc., Drawing 1111-1, revision original, dated June 1, 2010 or later FAA approved revisions.

*Limitations and Conditions:* Compatibility of this design change with previously approved modification must be determined by the installer. This approval is valid only if North Pacific Welding Part Numbers NI-0712500-7, NI-0712500-11 and NI-0712500-13 are installed as a set or if McFarlane Part Number 1111 Stabilizer Screwjack Kit is installed in its entirety.

If the holder agrees to permit another person to use this Certificate to alter the products, then the holder shall give that 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 28, 1997      *Date reissued:* September 23, 2009

*Date of issuance:* June 2, 1998      *Date amended:* December 7, 1998; July 7, 2000; May 13, 2011



*By direction of the Administrator*

*Steven C. Litke*  
\_\_\_\_\_  
(Signature)

Steven C. Litke  
Program Manager  
Wichita Aircraft Certification Office  
\_\_\_\_\_  
(Title)

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

*Number* **SA02113AK**

*This certificate issued to:*

McFarlane Aviation, Inc.  
696 E. 1700 Rd  
Baldwin City, KS 66006

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

*Original Product - Type Certificate Number:* 3A24  
*Make:* Cessna  
*Model:* 185, 185A, 185B, 185C, 185D, 185E, A185E, A185F

*Description of Type Design Change:* Fabrication and installation of Stabilizer Jack-Screw Actuator in accordance with North Pacific Welding Drawing Number C-0712500, dated March 31, 2000 and Cessna Skywagon 180 and 185 Series Service Manual; or McFarlane Aviation, Inc., Drawing 1111-1, revision original, dated June 1, 2010 or later FAA approved revisions.

*Limitations and Conditions:* Compatibility of this design change with previously approved modification must be determined by the installer. This approval is valid only if North Pacific Welding Part Numbers NI-0712500-7, NI-0712500-11 and NI-0712500-13 are installed as a set or if McFarlane Part Number 1111 Stabilizer Screwjack Kit is installed in its entirety.

If the holder agrees to permit another person to use this Certificate to alter the products, then the holder shall give that 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 28, 1997

*Date reissued:* September 23, 2009

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*Date amended:* December 7, 1998; July 7, 2000;  
May 13, 2011



*By direction of the Administrator*

*Steven C. Litke*

(Signature)

Steven C. Litke  
Program Manager  
Wichita Aircraft Certification Office

(Title)

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