



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

Number: SA02528AK

*This certificate issued to:* McFarlane Aviation, LLC  
 696 E. 1700 Rd.  
 Baldwin City, Kansas 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* Civil Air Regulations.

*Original Product*  
*Type Certificate Number:*

*Make:* \*Refer to FAA Approved Model List (AML),

*Model:* Number SA02528AK, dated December 2, 2019, or later FAA approved revision.

*Description of Type Design Change:*

Installation of elevator trim wheel assembly in place of the type certificated trim wheel assembly in accordance with McFarlane Aviation, LLC Trim Wheel Installation Instructions for Cessna 180, Early 182, and 185 Aircraft, Rev Level A, dated November 1, 2019, or later FAA approved revision.

*Limitations and Conditions:*

1) The installer must determine whether this design change is compatible with previously approved modifications.

(see Continuation Sheet Page 3 of 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:* February 21, 2019 *Date Reissued:* February 9, 2022, February 16, 2023

*Date of Issuance:* December 2, 2019 *Date Amended:*

*By Direction of the Administrator*

*Signature:*

TIM D EICHOR

Digitally signed by TIM D EICHOR  
 Date: 2023.03.17 14:03:41 -05'00'

*Title:* Manager, Airframe & Administrative  
 Section Chicago ACO Branch

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 or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).



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**INSTRUCTIONS:** *The transfer endorsement below may be used to notify the appropriate FAA Aircraft Certification 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:* SA02528AK

*To (Name and address of transferee):*

*From (Name and address of grantor):*

*Extent of Authority (if licensing agreement):*

*Date of transfer:*

*Signature of grantor:* \_\_\_\_\_

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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 or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).

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*(Continuation Sheet)*

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February 16, 2023 Reissued - cont.

- 2) If the holder agrees to permit another person to use this certificate to alter a product, the holder must give the other person written evidence of that permission.
  
- 3) Maintain the Elevator Trim Wheel in accordance with McFarlane Aviation, LLC Instructions for Continued Airworthiness Manual No. 004, Rev Level A, dated November 1, 2019, or later FAA accepted revision.

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Any alteration of this certificate and/or the Type Certificate Data Sheet is punishable by a fine not exceeding \$1,000, or imprisonment not exceeding 3 years, or both. This certificate may be transferred or made available to third persons by licensing agreements in accordance with Title 14 of the Code of Federal Regulations, part 21, section 21.47 (14 CFR 21.47). A transfer must be endorsed as provided on the reverse hereof. A Type Certificate holder who allows a person to use the Type Certificate to manufacture a new aircraft, aircraft engine, or propeller must provide that person with a written licensing agreement acceptable to the FAA. (Ref. 14 CFR 21.55).

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**FAA APPROVED MODEL LIST (AML) NO. SA02528AK  
MCFARLANE AVIATION LLC FOR  
ELEVATOR TRIM WHEEL**

Issue Date: December 2, 2019

ITEM	AIRCRAFT MAKE	AIRCRAFT MODEL	CERTIFICATION BASIS FOR ALTERATION	ORIGINAL TYPE CERTIFICATE NUMBER	INSTALLATION INSTRUCTIONS		ICA		AML AMENDMENT DATE
					NUMBER	REVISION & DATE	NUMBER	REVISION & DATE	
1	Textron Aviation Inc.	180, 180A, 180B, 180C, 180D, 180E, 180F, 180G, 180H, 180J, 180K	CAR 3	5A6	Trim Wheel Installation Instructions for Cessna 180, Early 182, and 185 Aircraft	Rev A, dated 11/1/2019*	Manual No. 004	Rev A, dated 11/1/2019**	N/A
2	Textron Aviation Inc.	182, 182A, 182B, 182C	CAR 3	3A13	Trim Wheel Installation Instructions for Cessna 180, Early 182, and 185 Aircraft	Rev A, dated 11/1/2019*	Manual No. 004	Rev A, dated 11/1/2019**	N/A
3	Textron Aviation Inc.	185, 185A, 185B, 185C, 185D, 185E, A185E, A185F	CAR 3	3A24	Trim Wheel Installation Instructions for Cessna 180, Early 182, and 185 Aircraft	Rev A, dated 11/1/2019*	Manual No. 004	Rev A, dated 11/1/2019**	22 Jan 2020

\*or later FAA-approved revision

\*\*or later FAA-accepted revision

**Brian Patrick Hanley**  
Digitally signed by Brian Patrick Hanley  
Date: 2023.02.23 10:42:24 -06'00'

FAA Approved:

Monica L. Nemecek  
Manager, Airframe & Administrative Section  
Chicago ACO Branch

Date Issued: December 2, 2019 with original STC

Date Ammended: January 22, 2020

Date(s) Reissued: February 9, 2022, February 16, 2023

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