



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

Number: SA02522AK

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 SA02522AK, dated July 3, 2019, or later FAA approved revision.

Description of Type Design Change:

Fabrication and installation of Tail Cone Reinforcement Angles in accordance with McFarlane Aviation, LLC, Installation Instructions ST02171AK-A, Rev IR, Dated January 18, 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: July 3, 2019 Date Amended:

By Direction of the Administrator

Signature:

TIM D EICHOR

Digitally signed by TIM D EICHOR
Date: 2023.03.17 14:12:31 -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: SA02522AK

To (Name and address of transferee):

From (Name and address of grantor):

Extent of Authority (if licensing agreement):

Date of transfer:

Signature of grantor: _____

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 Tail Cone Reinforcement Angle Installation in accordance with McFarlane Aviation, LLC Instructions for Continued Airworthiness Manual No. 004, Revision IR, dated April 26, 2019, or later FAA accepted revision.

-END-

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).

**FAA APPROVED MODEL LIST (AML) NO. SA02522AK
MCFARLANE AVIATION LLC FOR
TAIL CONE REINFORCEMENT ANGLES**

Issue Date: July 3, 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	ST02171AK-A	Rev IR, dated 1/18/2019*	Manual No. 004	Rev IR, dated 4/26/2019**	N/A
2	Textron Aviation Inc.	182, 182A, 182B, 182C, 182D	CAR 3	3A13	ST02171AK-A	Rev IR, dated 1/18/2019*	Manual No. 004	Rev IR, dated 4/26/2019**	N/A
3	Textron Aviation Inc.	185, 185A, 185B, 185C, 185D, 185E, A185E, A185F	CAR 3	3A24	ST02171AK-A	Rev IR, dated 1/18/2019*	Manual No. 004	Rev IR, dated 4/26/2019**	N/A

*or later FAA-approved revision

**or later FAA-accepted revision

Brian Patrick Hanley
 Digitally signed by Brian Patrick Hanley
 Date: 2023.02.23 10:27:08 -06'00'

FAA Approved:

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

Date Issued: July 3, 2019 with original STC

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

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