



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

Number: ST00883DE

This certificate issued to: Peregrine
7385 S. Peoria Street Unit C4
Englewood, CO 80112

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 25 of the Federal Aviation Regulations.

Original Product – Type Certificate Number: A22CE Make: Textron Aviation, Inc.
Model: 560XL

Description of Type Design Change:

Installation of Gruman Litef LCR-100 Attitude Heading and Reference System (AHRS) in place of existing LCR-93 AHRS in accordance with Document No. E-DI-17-0002, Master Drawing List, LCR-100 AHRS Cessna 560XL, Revision IR dated 1/9/2018, FAA approved February 8, 2018, or later FAA approved revision. Instructions for Continued Airworthiness (ICA), Document No. E-DI-17-0008, Revision IR dated January 9, 2018, FAA accepted February 8, 2018, or later FAA accepted revision is required to be made available at installation. A Flight Manual Supplement is NOT required for this modification.

Limitations and Conditions:

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

(Limitations continued on page 3 of 3)

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, and revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of Application: October 21, 2017 *Date Reissued:* May 02, 2018; December 19, 2018

Date of Issuance: February 21, 2018 *Date Amended:*

By Direction of the Administrator

Signature _____
Todd Dixon
Title: Manager Denver ACO Branch
Compliance and Airworthiness Division

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:

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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(Limitations and Conditions continued)

Certification Basis:

Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for the Textron Aviation, Inc. 560XL installation of Gruman Litef LCR-100 Attitude Heading and Reference System (AHRS) in place of existing LCR-93 AHRS is as follows:

- a. The type certification basis for Textron Aviation, Inc. 560XL airplane is shown on TCDS A22CE for parts **not changed** or **not affected** by the change.
- b. The certification basis for parts **changed** or **affected** by the change since the reference date of application, November 21, 2017, is based upon 14 CFR Part 25, effective February 1, 1965 plus Amendments 25-1 through 25-82, plus certain regulations at later amendments as defined per the TCDS. Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for this modification was determined to be:

Regulations at the TCDS Certification Basis (Part 25, Amendments 25-1 through 25-82, plus certain additional regulations at later amendments per the TCDS, also voluntary election of §25.1316 and §25.1317 at the latest amendment of Part 25):

14 CFR Sections: 25.301 Amdt. 25-23; 25.303 Amdt. 25-23; 25.305(a)(b) Amdt. 25-86; 25.307(a) Amdt. 25-72; 25.337 Amdt. 25-23; 25.341(a) Amdt. 25-86; 25.473 Amdt. 25-23; 25.561(c) Amdt. 25-64; 25.601 Amdt. -; 25.603 Amdt. 25-46; 25.605(a) Amdt. 25-46; 25.607 Amdt. 25-23; 25.609(a) Amdt. -; 25.611 Amdt. 25-23; 25.613 Amdt. 25-72; 25.619 Amdt. 25-23; 25.625(a),(b),(c) Amdt. 25-72; 25.1301 Amdt. -; 25.1309(a),(b),(c),(d),(e) Amdt. 25-41; 25.1316(a) Amdt. 25-134; 25.1317(a) Amdt. 25-122; 25.1327(b) Amdt. -; 25.1333(b) Amdt. 25-41; 25.1351(a) Amdt. 25-72; 25.1353(a) Amdt. 25-42; 25.1357(a),(e) Amdt. -; 25.1431(a),(b),(c) Amdt. -; 25.1529 Amdt. 25-54

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