



United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

Number: ST00895DE

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 Title 14 Code of Federal Regulations

Original Product – Type Certificate Number: A3150 Make: Yaborã Indústria Aeronáutica S.A.
Model: EMB-120, EMB-120RT, EMB-120ER, EMB-120FC, EMB-120QC

Description of Type Design Change:

Installation of the Garmin G700 TXi Avionics Suite (and equipment listed in Limitations and Conditions section) in accordance with Master Drawing List E-WW-17-0002 Rev L, FAA approved April 9, 2020, or later FAA approved revision.

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.
3. Instructions for Continued Airworthiness and EWIS ICA Source Document E-WW-17-0008 must be made available at installation.

(Limitations and Conditions continued on page 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: February 20, 2018

Date Reissued:

Date of Issuance: June 8, 2020

Date Amended:

By Direction of the Administrator

Signature _____

Title Todd Dixon, Manager
Denver ACO Branch
Compliance & Airworthiness Division
Aircraft Certification Service

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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Supplemental Type Certificate

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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United States of America
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Supplemental Type Certificate

(Continuation Sheet)

Number: ST00895DE

Limitations and Conditions continued:

4. Airplane Flight Manual Supplement E-WW-17-0009 Rev IR, FAA approved April 3, 2020, or later FAA approved revision, must be attached to the FAA approved Airplane Flight Manual upon completion.

5. This STC installs the following equipment:
 - a. Garmin G700 TXi Avionics Suite
 - (i) GDU 1060 quantity (2)
 - (ii) GDU 700P quantity (2)
 - (iii) GRS 79 quantity (2)
 - (iv) GDC 72 quantity (2)
 - (v) GMU 44 quantity (2)
 - b. Garmin GAD 43e quantity (1)
 - c. Garmin GTN 650 quantity (2)
 - d. Garmin GTX 345R quantity (2)
 - e. Garmin GTS 855 quantity (1)
 - f. Garmin GWX-75 quantity (1)
 - g. Garmin GCU-485 quantity (2)
 - h. Mid-Continent MD-302 quantity (1)
 - i. PS Engineering MB10R quantity (1)
 - j. Mini Circuits ZFSC-2-1B+ quantity (1)
 - k. RAMI AV-570 quantity (1)
 - l. Rockwell Collins NAC-80 quantity (2)
 - m. Rockwell Collins SSS-65 quantity (2)

6. The following equipment is required to be installed in the aircraft prior to installation of this STC:
 - a. Rockwell Collins Dual APC-6B Autopilots
 - b. Rockwell Collins ALT-55B Radar Altimeter
 - c. Rockwell Collins DME-42 Distance Measuring Equipment
 - d. Teledyne (EMB-120 TC Equipment) Flight Data Recorder
 - e. Grimes (EMB-120 TC Equipment) Cockpit Voice Recorder (CVR) (CVR models with mic integrated into control head are not permitted. A remote mounted microphone in a previously certified location is required.)
 - f. Grimes (EMB-120 TC Equipment) Remote CVR Microphone
 - g. Avtech (EMB-120 TC Equipment) Audio Panels
 - h. Garmin GTP-59 Temperature Sensors
 - i. Antennas for VHF COM (1 & 2), VOR/LOC, GS, GPS/WAAS (1 & 2), Marker Beacon, Transponder (1 & 2), TCAS (top & bottom)

(Limitations and Conditions continued on page 4)

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Limitations and Conditions continued:

7. Certification Basis

For components and areas not affected by the change, the original certification basis as shown on TCDS A31SO.

For components and areas affected by the change, based on 14 CFR §§ 21.115 and 21.101, and FAA order 8110.48, the type certification basis due to this modification is the original certification basis for the Model EMB-120, -120RT, -120ER, -120FC and -120QC shown on TCDS A31SO, Revision 11, plus 14 CFR part 25, effective February 1, 1965, including Amendments 25-1 through 25-144 plus 14 CFR part 26 effective December 10, 2007, including Amendments 26-1 through 26-6 as follows:

25.301 at 25-23, 25.303 at 25-23, 25.305 at 25-86, 25.307 at 25-139, 25.337 at 25-23, 25.341 at 25-141, 25.473 at 25-103, 25.561(c) at 25-91, 25.571(a)(b) at 25-132, 25.601 at 25-0, 25.603 at 25-46, 25.605 at 25-46, 25.607 at 25-23, 25.609 at 25-0, 25.611 at 25-23, 25.613 at 25-112, 25.619 at 25-23, 25.625(a)(b)(c) at 25-72, 25.671(a) at 25-23, 25.771(a) at 25-4, 25.773(a) at 25-144, 25.777(a)(b)(f) at 25-46, 25.853(a) at 25-116, 25.869(a)(4) at 25-113, 25.899 at 25-123, 25.1301 at 25-0, 25.1302 at 25-137, 25.1303 at 25-90, 25.1307(c)(d)(e) at 25-72, 25.1309 at 25-41, 25.1316 at 25-134, 25.1317(a)(b)(c) at 25-122, 25.1321 at 25-41, 25.1322 at 25-38, 25.1323(a)(b)(c)(d)(e)(f)(g)(h) at 25-140, 25.1325(d) at 25-140, 25.1327 at 25-0, 25.1329(f)(g)(h)(i) at 25-119, 25.1331(a)(3) at 25-41, 25.1333 at 25-41, 25.1351(a)(d) at 25-72, 25.1353(a)(b)(d) at 25-113, 25.1357(a)(c)(d)(e) at 25-123, 25.1360(a)(b) at 25-123, 25.1381 at 25-72, 25.1431 at 25-113, 25.1459(a)(1) at 25-124, 25.1529 at 25-54, 25.1543(b) at 25-72, 25.1545 at 25-0, 25.1555(a) at 25-0, 25.1563 at 25-0, 25.1581(a) at 25-72, 25.1583(c) at 25-130, 25.1585(a) at 25-105, 25.1703(b) at 25-123, 25.1715(b) at 25-123, 26.11(c) at 26-0, and 26.47(c) at 26-1.

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