



United States of America  
Department of Transportation  
Federal Aviation Administration

# Supplemental Type Certificate

Number: ST01727NY

This certificate issued to: PATS Aircraft, LLC.  
21652 Nanticoke Avenue  
Georgetown, Delaware 19947

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: A57NM  
Mcnng: Embraer  
Mqf gn ERJ 190-100 ECJ

Description of Type Design Change:

Installation of an Executive Interior in accordance with PATS Aircraft, LLC. Master Drawing Lists (Continued on pages 3 & 4).

Limitations and Conditions:

See STC Continuation Pages 4 & 5

*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: September 25, 2007

Date reissued: July 9, 2015

Date of issuance: December 30, 2008

Date amended: June 16, 2014

*By direction of the Administrator*

Signature \_\_\_\_\_

Title Nick Olmsted  
STC ODA Administrator  
ODA-955292-NE

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: ST01727NY*

**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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# Supplemental Type Certificate

(Continuation Sheet)

Number: ST01727NY

EFFECTIVE DATE: July 9, 2015

Add'l Dates Reissued: September 1, 2009, November 11, 2009, June 19, 2014.

Add'l Dates Amended: April 17, 2009, September 2, 2009, November 4, 2009, March 12, 2010, August 25, 2010, February 18, 2011.

Description of Type Design Change: (Continued)

Configuration 1: Installation of Executive Interior in accordance with PATS Aircraft, LLC Master Drawing List 5950-0000-MDL revision G dated April 16, 2009, or later FAA approved revision.

1. PATS Aircraft, LLC Airplane Flight Manual Supplement No. 215 for an Executive Interior, FAA approved revision E dated June 16, 2014 is required with configuration 1.
2. PATS Aircraft, LLC Maintenance Manual Supplement TO-3163, revision B dated June 15, 2010 or later FAA approved revision, with the Airworthiness Limitations Section 05-10-00 approved June 15, 2010 is required for Continued Airworthiness with configuration 1.
3. The installation of STC ST01728NY-D (Class "C" Cargo Compartment), Configuration 1 in accordance with PATS Aircraft LLC Master Drawing List 6071-0000-MDL revision IR dated October 7, 2008 is required with configuration 1.

Configuration 2: Installation of Executive Interior in accordance with PATS Aircraft, LLC Master Drawing List 6043-0000-MDL revision C dated July 21, 2009, or later FAA approved revision.

1. PATS Aircraft, LLC Airplane Flight Manual Supplement No. 215 for an Executive Interior, FAA approved revision E dated June 16, 2014 is required with configuration 2.
2. PATS Aircraft, LLC Maintenance Manual Supplement TO-3933, revision IR dated August 1, 2008 or later FAA approved revision, with the Airworthiness Limitations Section 05-10-00 approved September 1, 2009, is required for Continued Airworthiness with configuration 2.
3. The installation of STC ST01728NY-D (Class "C" Cargo Compartment) configuration 2 in accordance with PATS Aircraft LLC Master Drawing List 6071-0000-MDL revision B dated July 14, 2009 is required with configuration 2.

Configuration 3: Installation of Executive Interior in accordance with PATS Aircraft, LLC Master Drawing List 6032-0000-MDL revision D dated February 18, 2011, or later FAA approved revision.

1. PATS Aircraft, LLC Airplane Flight Manual Supplement No. 215 for an Executive Interior, FAA approved revision E dated June 16, 2014 is required with configuration 3.
2. PATS Aircraft, LLC Maintenance Manual Supplement TO-4128, revision IR dated March 1, 2009 or later FAA approved revision, with the Airworthiness Limitations Section 05-10-00 approved November 3, 2009, is required for Continued Airworthiness with configuration 3.
3. The installation of STC ST01728NY-D (Class "C" Cargo Compartment) configuration 2 in accordance with PATS Aircraft LLC Master Drawing List 6071-0000-MDL revision B dated July 14, 2009 is required with configuration 3.

Configuration 4: Installation of Executive Interior in accordance with PATS Aircraft, LLC Master Drawing List 6093-0000-MDL revision F dated March 9, 2010, or later FAA approved revision.

1. PATS Aircraft, LLC Airplane Flight Manual Supplement No. 215 for an Executive Interior, FAA approved revision E dated June 16, 2014 is required with configuration 4.
2. PATS Aircraft, LLC Maintenance Manual Supplement TO-4518, revision IR dated July 1, 2009 or later FAA approved revision, with the Airworthiness Limitations Section 05-10-00 approved March 11, 2010, is required for Continued Airworthiness with configuration 4.
3. The installation of STC ST01728NY-D (Class "C" Cargo Compartment) configuration 2 in accordance with PATS Aircraft LLC Master Drawing List 6071-0000-MDL revision B dated July 14, 2009 is required with configuration 4.

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# Supplemental Type Certificate

(Continuation Sheet)

Number: ST01727NY

EFFECTIVE DATE: July 9, 2015

Description of Type Design Change: (Continued)

All Configurations:

1. The installation of ST01729NY-D (Gaseous Oxygen System) in accordance with PATS Aircraft LLC Master Drawing List 6072-0000-MDL revision A dated December 15, 2008, is required with all configurations.

Limitations and Conditions: (Continued)

Configuration 1:

1. The utilization of these aircrafts with respect to the pocket doors only, when configured with this STC, is limited to "private, not for hire or common carriage use" unless Service Bulletin ST01727NY-D-25-SB-001 Modification of Pocket Doors to Support Commercial Charter Operation, revision B dated April 16, 2009, is installed with configuration 1 by maintenance action.
2. PATS Aircraft, LLC Maintenance Manual Supplement TO-3163, revision B dated June 15, 2010 or later FAA approved revision, with the Airworthiness Limitations Section 05-10-00 approved June 15, 2010 is required for Continued Airworthiness with configuration 1.
3. Equipment identified in PATS Aircraft, LLC document number TO-3171, titled "COTS Equipment Report Interior Modification ERJ 190-100 ECJ", revision C dated March 30, 2009, installed with configuration 1, are not eligible for PMA.
4. In this installation the maximum passenger seating capacity is limited to 19.

Configuration 2:

1. The utilization of these aircrafts with respect to the pocket doors only, when configured with this STC, is limited to "private, not for hire or common carriage use" unless Service Bulletin ST01727NY-D-25-SB-005 Modification of Pocket Doors to Support Commercial Charter Operation, revision B dated April 16, 2009, is installed with configuration 2 by maintenance action.
2. PATS Aircraft, LLC Maintenance Manual Supplement TO-3933, revision IR dated August 1, 2008 or later FAA approved revision, with the Airworthiness Limitations Section 05-10-00 approved September 1, 2009, is required for Continued Airworthiness with configuration 2.
3. Equipment identified in PATS Aircraft, LLC document number TO-3941, titled "COTS Equipment Report Interior Modification ERJ 190-100 ECJ", revision IR dated December 1, 2008, installed with configuration 2, are not eligible for PMA.
4. In this installation the maximum passenger seating capacity is limited to 19.

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# Supplemental Type Certificate

(Continuation Sheet)

Number: ST01727NY

EFFECTIVE DATE: July 9, 2015

Limitations and Conditions: (Continued)

Configuration 3:

1. The utilization of these aircrafts with respect to the pocket doors only, when configured with this STC, is limited to "private, not for hire or common carriage use" unless Service Bulletin ST01727NY-D-25-SB-001 Modification of Pocket Doors to Support Commercial Charter Operation, revision C dated September 30, 2009, is installed with configuration 3 by maintenance action.
2. PATS Aircraft, LLC Maintenance Manual Supplement TO-4128, revision IR dated March 1, 2009 or later FAA approved revision, with the Airworthiness Limitations Section 05-10-00 approved November 3, 2009, is required for Continued Airworthiness with configuration 3.
3. Equipment identified in PATS Aircraft, LLC document number TO-3633, titled "COTS Equipment Report Amendment to STC ST01727NY-D for an Embraer ERJ 190-100 ECJ Airplane", revision A dated September 24, 2009, installed with configuration 3, are not eligible for PMA.
4. In this installation the maximum passenger seating capacity is limited to 18.

Configuration 4:

1. The utilization of these aircrafts with respect to the pocket doors only, when configured with this STC, is limited to "private, not for hire or common carriage use" unless Service Bulletin ST01727NY-D-25-SB-001 Modification of Pocket Doors to Support Commercial Charter Operation, revision C dated September 30, 2009, is installed with configuration 4 by maintenance action.
2. PATS Aircraft, LLC Maintenance Manual Supplement TO-4518, revision IR dated July 1, 2009 or later FAA approved revision, with the Airworthiness Limitations Section 05-10-00 approved March 11, 2010, is required for Continued Airworthiness with configuration 4.
3. Equipment identified in PATS Aircraft, LLC document number TO-3969, titled "COTS Equipment Report Amendment to STC ST01727NY-D for an Embraer ERJ 190-100 ECJ Airplane", revision IR dated November 28, 2009, installed with configuration 4, are not eligible for PMA.
4. In this installation the maximum passenger seating capacity is limited to 18.

All Configurations:

1. The installer must determine whether these design changes are 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. This STC does not require a revised Electrical Wiring Interconnection System (EWIS) Instructions for Continued Airworthiness (ICA).

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Certification Basis:

Based on 14 CFR § 21.115 and § 21.101 and the FAA policy for changes that are not significant in FAA Order 8110.48, the certification basis for these modifications are as follows:

The existing type certification basis for the Embraer ERJ 190-100 ECJ as shown on FAA type certificate data sheet A57NM Rev 8, March 9, 2009, along with the following exceptions:

Exemptions:

No. 9457, 14 CFR part 25, Section 25.785(j) Firm handhold along each aisle.  
PATS has elected to show compliance to 14 CFR part 25, Section 25.785(j).

No. 9458, 14 CFR part 25, Section 25.813(e) Prohibits installation of interior doors in between passenger compartments.

FAR 25.981 amendment 25-125

Part 26 regulation

26.11 Amendment 26-0

... END ...

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