

Department of Transportation - Federal Aviation Administration

## Supplemental Type Certificate

*Number* ST02504SE*This certificate, issued to*

**Quiet Wing Aerospace LLC**  
**12324 134<sup>th</sup> Court NE**  
**Redmond, WA 98052**

*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 and 26 of the*  
**Federal Aviation Regulations.**

*Original Product—Type Certificate Number:* A16WE  
*Make:* Boeing  
*Model:* 737-500 Series

*Description of the Type Design Change:* Installation of an auxiliary fuel tank system in accordance with Quiet Wing Aerospace LLC Master Drawing List (MDL) QD3-28-0001, Revision C, dated September 22, 2016, or later Federal Aviation Administration (FAA) approved revision. Operated in accordance with Quiet Wing Aerospace LLC Airplane Flight Manual Supplement (AFMS) QD3-28-0023, Revision B, FAA-approved September 21, 2016, or later FAA-approved revision. Maintained in accordance with Airworthiness Limitations Section of Instructions for Continued Airworthiness (ICA) QD3-28-0021, Revision D, dated September 22, 2016 or later FAA-approved revision.

*Limitations and Conditions:* This approval is applicable to the above model aircraft that can show compliance with the center of gravity and weight limitations shown in Document Number QD3-28-0024, Revision NC, dated January 17, 2016, or later FAA-approved revision, only. This installation should not be incorporated in any aircraft unless it is determined that the interrelationship between this installation and any previously approved configuration will not introduce any adverse effect upon the airworthiness of the aircraft.

(See Continuation Sheet Page 3 of 3 Pages)

*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:* January 30, 2014*Date reissued:**Date of issuance:* September 23, 2016*Date amended:**By direction of the Administrator**(Signature)*\_\_\_\_\_  
Manager, Seattle Aircraft Certification Office*(Title)*

**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 in accordance with FAR 21.47.**

DepartmentofTransportation - FederalAviationAdministration

# Supplemental Type Certificate

## (Continuation Sheet)

*Number* **ST02504SE**

### Quiet Wing Aerospace LLC

*Issued:* September 23, 2016

*Reissued:*

*Amended:*

*Limitations and Conditions continued:* Extended Operation (ETOPS) has not been evaluated for this change.

A copy of this certificate, the MDL, the ICA, and the AFMS, must be maintained as part of the permanent records of the modified aircraft.

If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

*Certification Basis:*

#### **14 CFR Part 25 Regulations at the Latest Amendment 25-0 through 25-137**

25.1, 25.2, 25.5, 25.21, 25.23, 25.25, 25.27, 25.29, 25.301, 25.303, 25.305(a)-(c), 25.307, 25.321, 25.331, 25.333, 25.335, 25.337, 25.343, 25.349, 25.351, 25.471, 25.473, 25.479, 25.481, 25.483, 25.485, 25.489, 25.491, 25.495, 25.499, 25.507, 25.509, 25.561(a)-(c), 25.571(e), 25.581, 25.601, 25.603, 25.605, 25.607, 25.609, 25.611, 25.613, 25.619, 25.625, 25.651, 25.721, 25.773, 25.777, 25.787, 25.831, 25.855, 25.857, 25.858, 25.863, 25.869(a), 25.899, 25.901, 25.903, 25.951, 25.952, 25.954, 25.957, 25.959, 25.961, 25.963, 25.965, 25.967, 25.969, 25.971, 25.973, 25.975(a), 25.977, 25.979, 25.981, 25.993, 25.994, 25.995, 25.997, 25.999, 25.1011, 25.1195, 25.1203, 25.1301, 25.1305(a)(2), 25.1307, 25.1309, 25.1310, 25.1316, 25.1317, 25.1321, 25.1337(b), 25.1351(a), 25.1353, 25.1357, 25.1431, 25.1501, 25.1519, 25.1521, 25.1529, 25.1541, 25.1543, 25.1549, 25.1553, 25.1555, 25.1557, 25.1581, 25.1583, 25.1585, 25.1701, 25.1703, 25.1705, 25.1707, 25.1709, 25.1711, 25.1713, 25.1715, 25.1717, 25.1719, 25.1721, 25.1723, 25.1725, 25.1727, 25.1729, H25.1, H25.2, H25.3, H25.4, H25.5, M25.1, M25.2, M25.3, M25.4, M25.5, N25.1, N25.2, N25.3, N25.4

#### **14 CFR Part 25 Regulations at Earlier Amendment Level**

25.305(d)(e)(f), Amendment 25-23  
25.341, Amendment 25-15  
25.365(e), (f), (g), Amendment 25-15  
25.493, Amendment 25-15  
25.571(a), (b), (c), (d), Amendment 25-54  
25.629, Amendment 25-46

**14 CFR Part 26 Regulations**, Continued Airworthiness and Safety Improvements for Transport Category Airplanes, through Amendment 26-6.

26.1, 26.3, 26.5, 26.11, 26.31, 26.33, 26.35, 26.41, 26.47

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