

United States Of America  
Department of Transportation - Federal Aviation Administration  
**Supplemental Type Certificate**

*Number* SA02652CH

*This Certificate issued to* Piaggio America Inc.  
5050 Warbird Drive  
Denton, TX 76207

*certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 23 of the Federal Aviation Regulations.* (See Sheet 3 for complete certification basis)

*Original Product Type Certificate Number :* A59EU  
*Make :* PIAGGIO AERO INDUSTRIES S.p.A  
*Model :* Piaggio P-180

*Description of Type Design Change:*

Installation of a Rockwell Collins GWX-5000 VHF Datalink Weather System in accordance with Envoy Aerospace, LLC Master Data List, Document No. JW4199-2320-01, Rev. A, dated November 18, 2008, or later FAA approved revision.

*Limitations and Conditions:*

(See continuation sheet 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 :* August 19, 2008

*Date reissued :* January 12, 2009;  
March 08, 2010

*Date of issuance :* November 25, 2008

*Date amended :*



*By direction of the Administrator*

\_\_\_\_\_  
(Signature)  
S. Frances Cox, Manager  
Special Certification Office,  
Southwest Region

\_\_\_\_\_  
(Title)

United States Of America  
Department of Transportation - Federal Aviation Administration  
**Supplemental Type Certificate**  
(Continuation Sheet)

United States Of America  
Department of Transportation - Federal Aviation Administration  
**Supplemental Type Certificate**  
(Continuation Sheet)

*Number* SA02652CH

Date of Issuance: November 25, 2008

Date of Reissuance: March 8, 2010

*Limitations and Conditions* (Continued):

1. The installer must determine whether this design change is compatible with previously approved modifications.
2. FAA Approved Flight Manual Supplement, Jet Works Air Center Document No. JW4199-2320-100, Revision -, dated November 24, 2008 or later FAA approved revision is required onboard the modified aircraft.
3. The aircraft must be maintained in accordance with Airworthiness Limitations contained in Jet Works Air Center Document No. JW4199-2320-200, Chapter 10 Airworthiness Limitations, Revision A, approved November 24, 2008 or later FAA approved revision, in addition to the basic aircraft maintenance manuals.
4. 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.

*Certification Basis* (Continued):

Based on 14 CFR §§ 21.101 and 21.115, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for the Piaggio P-180 aircraft with the installation of the Rockwell Collins GWX-5000 VHF Datalink Graphical Weather System is as follows:

- a. The type certification basis for the Piaggio P-180 is shown on TCDS A59EU for parts not changed or not affected by this change.
- b. The type certification basis for the parts changed or affected by this change since the reference date of application, August 19, 2008, is based upon Part 23 as amended by Amendment 23-55. Based on 14 CFR §§ 21.101 and 21.115, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for this modification was determined to be:

**Applicable Regulations at the latest amendment 23-0 through 23-55**

23.301(a), (b); 23.303; 23.305(a), (b); 23.307(a); 23.365(a), (b), (d);  
23.561(a), (b), (e); 23.571(c); 23.573(b); 23.575; 23.603(a), (b); 23.605(a);  
23.607(b); 23.609(a), (b); 23.611; 23.613(a), (b), (d); 23.619; 23.625(a);  
23.867(a), (b); 23.1301(a), (b), (c), (d); 23.1309(a), (b), (c), (d), (e);  
23.1351(a); 23.1357(a), (b), (c), (d); 23.1359(b); 23.1365(a), (b), (d), (e),  
(f); 23.1431(a), (b); 23.1501; 23.1529; 23.1581(a), (b), (c), (d), (f);  
23.1583(m); 23.1585(a), (j).

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