

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

Number SA02434NY

This certificate issued to Ultra Electronics Flightline Systems
7625 Omnitech Place
Victor, NY 14564-9795

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 3 / 23 of the Civil Air / Federal Aviation Regulations.

Original Product Type Certificate Number: * *See attached FAA Approved Model List (AML), Document No. SA02434NY for the list of approved airplane models and applicable airworthiness regulations.

Make: *

Model: *

Description of Type Design Change:

Installation of a Digital Engine Monitoring System in accordance with Xerion, AuRACLE Installation Manual, *see attached AML, Document No. SA02434NY.

Limitations and Conditions:

1. Aircraft Flight Manual Supplement for the Ultra Electronics Flightline Systems AuRACLE, Engine Management System, Revision D, FAA approved March 15, 2011, is required for this installation.
2. Ultra Electronics Flightline Systems, AuRACLE Engine Management System Pilot Guide, Revision G, dated March 15, 2011, must be carried on the aircraft at all times.
3. Xerion, Engine Management System, Instructions for Continued Airworthiness, Issue A, is required to ensure continued airworthiness of this installation.
4. This approval does not allow the AuRACLE Engine Management System to replace the approved fuel quantity indicating system.

(See Continuation Sheet 2)

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 27, 2006

Date reissued: August 5, 2009

Date of issuance: July 24, 2007

Date amended: February 7, 2012

By direction of the Administrator



(Signature)

Tim Hadsall
Acting Manager
New York 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.

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(Continuation Sheet)

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Date of Amendment: February 7, 2012

Date of Reissuance: August 5, 2009

Limitations and Conditions Cont'd:

5. Dual amp display not authorized for aircraft that require an instrument pressure or vacuum system.
6. The installer must determine whether this design change is compatible with previously approved modifications.
7. 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:

The Certification Basis is defined as:

1. The type certification basis as shown on the TCDS (see AML, Document No. SA0243NY) for all areas not affected by the change.
2. Title 14 CFR Part 23, dated February 1, 1965, including Amendments 23-1 through 23-54 for the change and all areas affected by the change. The following lists the Federal Aviation Regulations complied with through Amendment Level 23-54.
23.301 23.303 23.305 23.307 23.337 23.561 23.601 23.603 23.605 23.613 23.771 23.773
23.853 23.863 23.1165 23.1191 23.1301 23.1305 23.1309 23.1311 23.1321 23.1322 23.1327 23.1331
23.1351 23.1357 23.1359 23.1365 23.1431 23.1519 23.1521 23.1527 23.1543 23.1549
3. Title 14 CFR Part 23, dated February 1, 1965, including Amendments 23-1 through 23-54 for the change and all areas affected by the change. The following lists the additional Federal Aviation Regulations complied with through Amendment Level 23-54 for pressurized aircraft.
23.365 23.571 23.627

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