

**FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL**

Aero Design, Inc.  
385 Industrial Dr.  
Mt. Juliet, TN 37122

PMA NO.: PQ1465CE  
SUPPLEMENT NO.: 226  
DATE: April 24, 2012

ARTICLE NAME	PART NUMBER	APPROVED REPLACEMENT FOR PART NUMBER	APPROVAL BASIS & APPROVED DESIGN DATA	MAKE ELIGIBILITY	MODEL ELIGIBILITY
Coil Cord Subassembly	AD-5283-61-1	Avtech 5283-61-1  Installed in:  Bombardier, Inc. 5483-1-3 5483-1-7	Test and Computations per 14 CFR § 21.303 <u>Dwg. No.:</u> AD-5283-61-1 <u>Rev.:</u> 0 <u>Date:</u> 8/22/2011 or later FAA approved revisions.	Bombardier, Inc.	CL-600-2B-19 (Regional Jet Series 100 & 440)
Battery	AD-1756-3	Bombardier, Inc. 024637-000  Saft 1756-3	Test and Computations per 14 CFR § 21.303 <u>Dwg No:</u> A-1173 <u>Rev:</u> 3 <u>Date:</u> 01/15/2010 or later FAA approved revisions	Bombardier, Inc.	CL-600-2E25 (Regional Jet Series 1000)
Battery Cell	AD-VP170KH	Saft 017460-000  Saft VP170KH  Installed in:  Bombardier, Inc. 024637-000  Saft 1756-3	Test and Computations per 14 CFR § 21.303 <u>Dwg No:</u> A-1173C <u>Rev:</u> 2 <u>Date:</u> 01/15/2010 or later FAA approved revisions	Bombardier, Inc.	CL-600-1A11 (CL-600)  CL-600-2A12 (CL-601)  CL-600-2B16 (CL-601-3A, CL-601-3R, & CL-604 Variant)  CL-600-2B19 (Regional Jet Series 100 & 440)  CL-600-2C10 (Regional Jet Series 700, 701 & 702)  CL-600-2D24 (Regional Jet Series 900)  CL-600-2E25 (Regional Jet Series 1000)

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<b>ARTICLE NAME</b>	<b>PART NUMBER</b>	<b>APPROVED REPLACEMENT FOR PART NUMBER</b>	<b>APPROVAL BASIS &amp; APPROVED DESIGN DATA</b>	<b>MAKE ELIGIBILITY</b>	<b>MODEL ELIGIBILITY</b>
Battery	AD-4078-24	Bombardier, Inc. 024453-000  Saft 40178-24	Test and Computations per 14 CFR § 21.303 <u>Dwg No:</u> A-1197 <u>Rev:</u> 3 <u>Date:</u> 03/02/2006 or later FAA approved revisions	Bombardier, Inc.	CL-600-2E25 (Regional Jet Series 1000)
Battery Cell	AD-VHP430KH-3	Saft 018725-000  Saft VHP430KH-3  Installed in:  Bombardier, Inc. 024453-000  Saft 40178-24	Test and Computations per 14 CFR § 21.303 <u>Dwg No:</u> A-1197C <u>Rev:</u> 5 <u>Date:</u> 09/14/2007 or later FAA approved revisions	Bombardier, Inc.	CL-600-2E25 (Regional Jet Series 1000)
Battery Cell	AD-VHP370KA-3	Saft 165823  Saft VHP370KA-3  Installed in:  EADS CASA 40109-1  Saft 40109-1	Test and Computations per 14 CFR § 21.303 <u>Dwg. No.:</u> A-1204C <u>Rev.:</u> 2 <u>Date:</u> 9/03/2009 or later FAA approved revisions.	EADS CASA	EADS CASA Model CN-235 CN-235-100 CN-235-200 CN-235-300

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385 Industrial Dr.  
Mt. Juliet, TN 37122**

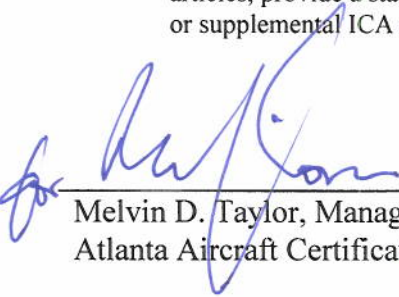
**PMA NO.: PQ1465CE  
SUPPLEMENT NO.: 226  
DATE: April 24, 2012**

<b>ARTICLE NAME</b>	<b>PART NUMBER</b>	<b>APPROVED REPLACEMENT FOR PART NUMBER</b>	<b>APPROVAL BASIS &amp; APPROVED DESIGN DATA</b>	<b>MAKE ELIGIBILITY</b>	<b>MODEL ELIGIBILITY</b>
Battery	AD-4063P	Radiant Power 2017  Installed in:  Bombardier, Inc. 2013-1A  Radiant 2013-1A	Test and Computations per 14 CFR § 21.303 <u>Dwg. No.:</u> A-1111D <u>Rev.:</u> 7 <u>Date:</u> 09/03/2010 or later FAA approved revisions.	Bombardier, Inc.	CL-600-2D15 (Regional Jet Series 705)  CL-600-2D24 (Regional Jet Series 900)

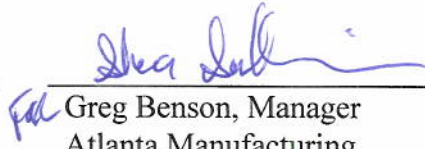
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NOTE:

- 1) Provide minor design changes in a manner as determined by the ACO. Handle major design changes to drawings and specifications in the same manner as that for an original FAA-PMA.
- 2) The FAA Approved ICA for the above articles with their designs. If the TC holder's ICA applies to these replacement articles, provide a statement noting such. If not, provide supplementary ICA per 14 CFR § 21.50. Make referral statements or supplemental ICA readily available per 14 CFR § 21.50.



Melvin D. Taylor, Manager  
Atlanta Aircraft Certification Office



Greg Benson, Manager  
Atlanta Manufacturing  
Inspection District Office



Small Airplane Directorate  
Atlanta Manufacturing Inspection  
District Office  
One Crown Center, Suite 475  
1895 Phoenix Boulevard,  
Atlanta, GA 30349

U.S. Department  
of Transportation

**Federal Aviation  
Administration**

November 14, 2002

Project No. PQ1465CE

Aero Design, Inc.  
385 Industrial Park Drive  
Mt. Juliet, TN 37122


**FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL**

In accordance with the provisions of 14 CFR part 21, Subpart K, we have found that the design data, based on Test and Computations submitted by Aero Design, Inc. with letter dated November 5, 2002, meet the airworthiness requirements of the regulations applicable to the products on with the parts are to be installed. Additionally, it has been determined that Aero Design, Inc. has established the fabrication inspection system required by part 21 § 21.303(h) at 385 Industrial Park Drive, Mt. Juliet, TN. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement parts listed in the enclosed Supplement No. 94.

You are reminded that the provisions of the Federal Aviation Regulations, noted in our PMA letter of approval dated March 30, 1995, also apply to the enclosed PMA Listing-Supplement No. 94.

Should you have any questions regarding this matter, you may wish to direct them to the Atlanta MIDO at telephone (770) 703-6100.

Sincerely,

*For:*   
Jim Reeves  
Manager, Atlanta Manufacturing  
Inspection District Office

Enclosure

**PROPRIETARY**  
**AERO DESIGN, INC.**

PARTS MANUFACTURER APPROVAL NO. PQ1465CE

PRODUCTION APPROVAL LISTING - SUPPLEMENT NO. 94

DATED NOVEMBER 14, 2002

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

Aero Design, Inc.  
385 Industrial Drive  
Mt. Juliet, TN 37122

<u>Part Name</u>	<u>Part Number</u>	<u>Approved Replacement for Part Number</u>	<u>FAA Approval Basis &amp; Approved Design Data</u>	<u>Make Eligibility</u>	<u>Model Eligibility</u>
Battery	Battery, <u>P/N: AD-4078-24</u>	Soft Battery, <u>P/N: 4078-24,</u> 40178-24, and 600-59151-11	Test and Computations per 14 CFR § 21.303 <u>Dwg No: A-1197,</u> <u>Rev: 1</u> <u>Date: 09/18/02</u> or later FAA approved revision	Canadair (Bombardier)	CL600-2B19 Series 100,  CL600-1A11 (CL-600),  2A12 (CL601),  2B16 (CL601-3A, CL601-3R & CL604)

-END OF LISTING-

**NOTE: Minor design changes (reference 14 CFR Part 21 §§ 21.93 and 21.95) must be submitted in a manner as determined by the ACO. Major design changes (reference 14 CFR Part 21 §§ 21.93 and 21.97) to drawings and specifications are to be handled in the same manner as that for an original FAA-PMA.**

for: *Angelia D. Reeves*  
Jim Reeves  
Manager, Atlanta Manufacturing  
Inspection District Office  
**PROPRIETARY**  
**AERO DESIGN, INC.**

**FEDERAL AVIATION ADMINISTRATION-PARTS MANUFACTURER APPROVAL**

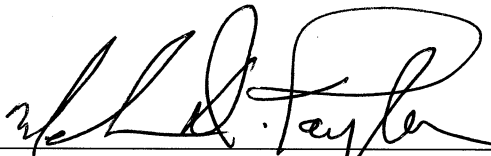
Aero Design, Inc.  
 A HEICO Aerospace Company  
 385 Industrial Drive  
 Mt. Juliet, Tennessee 37122

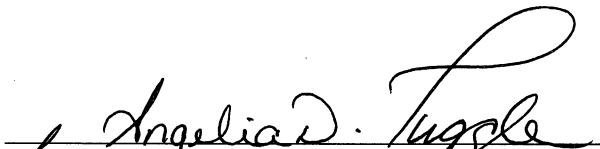
PMA NO. PQ1465CE  
 SUPPLEMENT NO. 172  
 DATE: October 9, 2007

<u>Part Name</u>	<u>Part Number</u>	<u>Approved Replacement for Part Number</u>	<u>Approval Basis and Approved Design Data</u>	<u>Make Eligibility</u>	<u>Model Eligibility</u>
Battery	Aero Design, P/N: AD-4078-24	Saft, P/N: 4078-24, 40178-24, 024453-000 and 600-59151-11	Test and Computation per 14 CFR § 21.303 Dwg No: A-1197, Rev: 3, Date: 03/02/06, or later FAA-approved revisions	Bombardier, Inc.	CL-600-2D24 (Regional Jet Series 900)

**-END OF LISTING-**

NOTE: Provide minor design changes in a manner as determined by the ACO. Handle major design changes to drawings and specifications in the same manner as that for an original FAA-PMA. If TC holder's ICA applies to these replacement parts, provide a statement noting such. If not, provide supplementary ICA per 14 CFR §21.50.

  
 Melvin D. Taylor, Manager Atlanta  
 Aircraft Certification Office

  
 for: Jim Reeves, Manager Atlanta  
 Manufacturing Inspection District Office

**FEDERAL AVIATION ADMINISTRATION-PARTS MANUFACTURER APPROVAL**

Aero Design, Inc.  
A HEICO Aerospace Company  
385 Industrial Park Drive  
Mt. Juliet, TN 37122

PMA NO. PQ1465CE  
SUPPLEMENT NO. 113  
DATE: MARCH 2, 2004

<u>Part Name</u>	<u>Part Number</u>	<u>Approved Re-placement for Part Number</u>	<u>Approval Basis And Approved Design Data</u>	<u>Make Eligibility</u>	<u>Model Eligibility</u>
Battery	AD-4078-24	Saft, P/N: 4078-24, Saft, P/N: 40178-24, 600-59151-11 and 024453-000	Test and Computations per 14 CFR Part 21.303 (c)4, Aero Design, Inc.'s <u>Dwg No:</u> A-1197, <u>Rev:</u> 2, <u>Date:</u> 01/30/04, or later FAA Approved Revision	Bombardier	CL600-2B19 (Regional Jet Series 100), CL-600-1A11 (CL-600), CL-600-2A12 (CL-601), CL-600-2B16 (CL-601-3A, CL-601-3R, & CL-604), CL-600-2C10 (Regional Jet Series 700 & 701)

**-END OF LISTING-**

**NOTE: Minor design changes (reference 14 CFR Part 21 §§ 21.93 and 21.95) must be submitted in a manner as determined by the ACO. Major design changes (reference 14 CFR Part 21 §§ 21.93 and 21.97) to drawings and specifications are to be handled in the same manner as that for an original FAA-PMA.**

  
For: Jim Reeves

Manager, Atlanta Manufacturing  
Inspection District Office