



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

**Small Airplane Directorate  
Atlanta Manufacturing  
Inspection District Office**  
1701 Columbia Avenue  
College Park, GA 30337

May 9, 2014

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


**PQ1465CE**

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

In accordance with the provisions of Title 14, Code of Federal Regulations (14 CFR), part 21, Certification Procedures for Products, Articles, and Parts, subpart K, the FAA has found that the design data, based on Test and Computations submitted by Aero Design, Inc., with your letter dated February 14, 2014 meet the airworthiness requirements of the regulations applicable to the products on which the articles are to be installed. Additionally, the FAA has determined that Aero Design, Inc., has established the quality system required by § 21.307 at 385 Industrial Dr., Mt. Juliet, TN 37122. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement articles listed in the enclosed Supplement No. 238.

You are reminded that the provisions of 14 CFR, parts 21 and 45, noted in our PMA letter of approval dated November 20, 2000, also apply to the enclosed PMA Listing-Supplement No. 238. The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the articles concerned.

Sincerely,

*Feb*   
Greg Benson, Manager  
Atlanta Manufacturing  
Inspection District Office

**FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL**

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

PMA NO.: PQ1465CE  
SUPPLEMENT NO.: 238  
DATE: May 9, 2014

ARTICLE NAME	ARTICLE NUMBER	APPROVED REPLACEMENT FOR ARTICLE NUMBER	APPROVAL BASIS AND APPROVED DESIGN DATA	MAKE/TCH ELIGIBILITY	MODEL/SERIES ELIGIBILITY
Battery	AD-5776-1	Luminescent Systems P/N 5776-1	Test and Computations per 14 CFR § 21.303 <u>Dwg. No.:</u> A-1160A <u>Rev.:</u> 4 <u>Date:</u> 08/22/07 or later FAA approved revisions.	Airbus Helicopters	AS332C AS332L AS332L1 AS332L2 EC225LP

-----END OF LISTING-----

## GENERAL NOTES:

- 1) Provide minor design changes in a manner as determined by the ACO. Process major design changes to drawings and specifications in the same manner as that for an original FAA-PMA.
- 2) The FAA accepted the ICA approach for the above articles with their designs. These ICA may refer to those of the respective articles from the holders of type certificates. Otherwise, provide supplemental ICA for differences in the replacement articles. Make referral statements or supplemental ICA readily available per 14 CFR § 21.50.

*Gregory Benson*

*Melvin D. Taylor*  
Melvin D. Taylor, Manager  
Atlanta Aircraft Certification Office

Greg Benson, Manager  
Atlanta Manufacturing  
Inspection District Office

**FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL**

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

PMA NO.: PQ1465CE  
SUPPLEMENT NO.: 33  
DATE: APRIL 21, 1997  
AMENDED: JUNE 2, 2010  
AMENDED: FEBRUARY 15, 2011

<b>PART 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-5776-1	Luminescent Systems Inc.: 5776-1	Test and Computations per 14 CFR § 21.303 <u>Dwg. No.:</u> A-1160A <u>Rev.:</u> Orig. <u>Date:</u> 05/10/96 or later FAA approved revisions.	Sikorsky  Boeing        Airbus	Model S-92A  737-100 Series 737-200 Series 737-300 Series 737-400 Series 737-500 Series  A310, Model 204 A310, Model 221 A310, Model 222 A310, Model 203 A310, Model 322 A310, Model 324 A310, Model 304 A310, Model 325  A319 Model -111 A319 Model -112 A319 Model -113 A319 Model -114 A319 Model -115 A319 Model -131 A319 Model -132 A319 Model -133 A320 Model -111 A320 Model -211 A320 Model -212 A320 Model -214 A320 Model -231 A320 Model -232 A320 Model -233

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385 Industrial Dr.  
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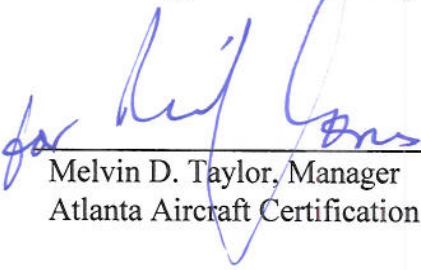
PMA NO.: PQ1465CE  
SUPPLEMENT NO.: 33  
DATE: APRIL 21, 1997  
AMENDED: JUNE 2, 2010  
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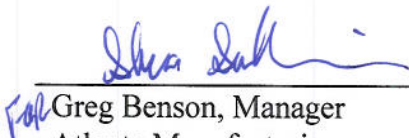
PART NAME	PART NUMBER	APPROVED REPLACEMENT FOR PART NUMBER	APPROVAL BASIS & APPROVED DESIGN DATA	MAKE ELIGIBILITY	MODEL ELIGIBILITY
Battery	AD-5776-1	Luminescent Systems Inc.: 5776-1	Test and Computations per 14 CFR § 21.303 Dwg. No.: A-1160A Rev.: Orig. Date: 05/10/96 or later FAA approved revisions.	Airbus	A321 Model -111 A321 Model -112 A321 Model -131 A321 Model -211 A321 Model -231 A321 Model -212 A321 Model -213 A321 Model -232

-----END OF LISTING-----

## 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 parts with their designs. If the TC holder's ICA applies to these replacement parts, 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