



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

**Aircraft Certification Service
System Oversight Division
Atlanta MIDO Section**
1701 Columbia Avenue
College Park, GA 30337

July 19, 2018

PQ4009CE

Aircraft Battery Shop, LLC
163 Business Park Dr., Suite 7
Lebanon, TN 37090

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 Computation submitted by Aircraft Battery Shop, LLC, with your letter dated October 10, 2017 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 Aircraft Battery Shop, LLC, has established the quality system required by § 21.307 at 163 Business Park Dr., Suite 7, Lebanon, TN 37090. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement articles listed in the enclosed Supplement No. 31.

You are reminded that the provisions of 14 CFR, parts 21 and 45, noted in our PMA letter of approval dated October 22, 2008, also apply to the enclosed PMA Listing -Supplement No. 31. The enclosed Supplement should be retained with the original PMA Letter as evidence of approval to produce the articles concerned.

Sincerely,

Gregory Benson
Greg Benson
Manager, Atlanta MIDO Section
System Oversight Division

Enclosure: Supplement 31



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PMA No.: PQ4009CE
Supplement No.: 31
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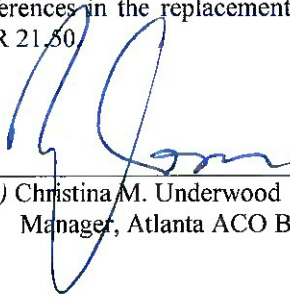
Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Battery Pack	ABS-2013-1A	2013-1A 2013BR	Test and computation per 14 CFR Part 21.303 DWG No: ABS-1005A Rev: 2 Date: 10/27/2011 or later FAA-approved revisions	Gulfstream	GIV-X

-----**END OF DATA**-----

GENERAL NOTES:

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.

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



(for) Christina M. Underwood
Manager, Atlanta ACO Branch



Greg Benson
Manager, Atlanta MIDO Section
System Oversight Division