



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

Small Airplane Directorate
Atlanta Aircraft Certification Office
1701 Columbia Avenue
College Park, GA 30337

January 21, 2011

Mr. Jim Wilks
Aircraft Battery Shop
163 Business Park Drive, Suite 7
Lebanon, TN 37090

Dear Mr. Wilks:

This letter is in response to your letter, requesting Parts Manufacturer Approval (PMA) on behalf of Aircraft Battery Shop LLC, for a Temperature Sensors, part number ABS-2004, ABS-2006, ABS-2009 and ABS-2023, Project numbers: PM12923AT-T, PM12925AT-T, PM12935AT-T and PM12936AT-T

We have reviewed the drawings and data submitted and find the parts meets the requirements of 14 CFR §21.303(d)(1). We noted design approval on the PMA supplement. Note that this is a notification letter only and does not constitute production approval. We sent the PMA Supplement with your application to:

Atlanta Manufacturing Inspection District Office (MIDO)
1707 Columbia Avenue
College Park, Georgia 30337
(404) 474-5700 (office)
(404) 474-5707 (facsimile)

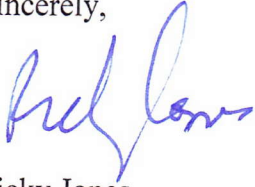
The MIDO will grant production approval after validating your fabrication inspection system. The FAA-PMA letter and PMA supplement from the Atlanta MIDO documents that approval.

Minor Design changes must be submitted to the Atlanta ACO at regular intervals not to exceed six months.

We agree with your determination that installation of your PMA part does not impact existing 14 CFR §21.50(b) instructions for continued airworthiness (ICA).

If you have any further questions regarding the design data, please contact Luteesa Ford,
Systems & Equipment Engineer, ACE-119A, at (404) 474-5571.

Sincerely,

A handwritten signature in blue ink, appearing to read "Ricky Jones", with a stylized flourish at the end.

Ricky Jones
Associate Manager, ACE-119A
Atlanta Aircraft Certification Office



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Inspection District Office**
1701 Columbia Avenue
College Park, GA 30337

November 5, 2010

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, we have found that the design data, based on Test and Computation submitted by Aircraft Battery Shop, LLC, with letters dated January 18, 19, & 20, 2010, meets the airworthiness requirements of the regulations applicable to the products on which the parts are to be installed. Additionally, it has been determined that Aircraft Battery Shop, LLC, has established the fabrication inspection system required by 14 CFR § 21.303 at 163 Business Park Dr., Suite 7, Lebanon, TN 37090. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement parts listed in the enclosed Supplement No. 12 in conformity with the enclosed FAA approved design data.

You are reminded that the provisions of 14 CFR, noted in our PMA letter of approval dated October 22, 2008, also apply to the enclosed PMA Listing-Supplement No. 12. The enclosed Supplement should be retained with the original PMA Letter as evidence of approval to produce the parts concerned.

Sincerely,


for Greg Benson, Manager
Atlanta Manufacturing
Inspection District Office

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

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

PMA NO.: PQ4009CE
SUPPLEMENT NO.: 12
DATE: January 21, 2011

PART NAME	PART NUMBER	APPROVED REPLACEMENT FOR PART NUMBER	APPROVAL BASIS & APPROVED DESIGN DATA	MAKE ELIGIBILITY	MODEL ELIGIBILITY
Temperature Sensor	ABS-2004	Saft AI <u>P/N:</u> 22268, 022268-000 Saft Fr. <u>P/N:</u> 410218 Marathon <u>P/N:</u> 32140-002	Test and Computation per 14 CFR § 21.303 <u>Dwg No:</u> ABS-4004A, <u>Rev:</u> Orig. <u>Date:</u> May 15, 2008 or later FAA-approved revisions	ATR-GIE Avions de Transport Regional	ATR 42-200, ATR42-300, ATR42-320, ATR72-101, ATR72-201, ATR72-102, ATR72-211, ATR72-212, ATR72-202
Temperature Sensor	ABS-2006	Saft AI <u>P/N:</u> 19747, 019747-000	Test and Computation per 14 CFR § 21.303 <u>Dwg No:</u> ABS-4006A, <u>Rev:</u> Orig. <u>Date:</u> May 14, 2008 or later FAA-approved revisions	M7 Aerospace LP M7 Aerospace LP	M7 Aerospace SA227-AT, SA226-T, SA226-T(B) Fairchild Aircraft SA227-AC
Temperature Sensor	ABS-2009	Saft AI <u>P/N:</u> 18652, 018652-000 Saft FR <u>P/N:</u> 116051 Marathon <u>P/N:</u> 30320-001	Test and Computations per 14 CFR § 21.303 <u>Dwg. No.:</u> ABS-4009A, <u>Rev.:</u> Orig. <u>Date:</u> May 15, 2008 or later FAA approved revisions.	Eurocopter France	Alouette III SA.315B, SA.316B, SA.316C, Gazelle SA341G, SA342J, Dauphin SA-360C, Alouette II SE 313B, AS-365N2, AS-365N3, SA330F, SA330G, SA330J, SA319B

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

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

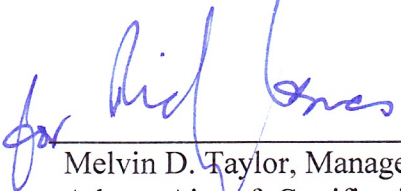
PMA NO.: PQ4009CE
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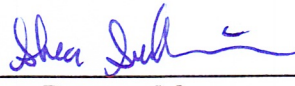
PART NAME	PART NUMBER	APPROVED REPLACEMENT FOR PART NUMBER	APPROVAL BASIS & APPROVED DESIGN DATA	MAKE ELIGIBILITY	MODEL ELIGIBILITY
Temperature Sensor	ABS-2023	Saft AI <u>P/N</u> : 19498, 019498-000 Marathon <u>P/N</u> : 29565-002, 29565-003	Test and Computation per 14 CFR § 21.303 <u>Dwg No</u> : ABS-4023A, <u>Rev</u> : Orig. <u>Date</u> : Feb. 20, 2008 or later FAA-approved revision	Sikorsky Aircraft Corporation	S-76A, S-76C

-----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. These ICA may refer to those of the respective parts from the holders of type certificates. Otherwise provide supplemental ICA for differences in the replacement parts. 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