



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

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

April 1, 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 15, 2010, December 30, 2009, December 29, 2009, December 28, 2009, October 13, 2009, July 20, 2009, July 15, 2009 & June 4, 2008 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. 8 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. 8. The enclosed Supplement should be retained with the original PMA Letter as evidence of approval to produce the parts concerned.

Sincerely,

For  
Jim Reeves, Manager  
Atlanta Manufacturing  
Inspection District Office

**FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL**

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

PMA NO.: PQ4009CE  
SUPPLEMENT NO.: 8  
DATE: April 1, 2010

PART NAME	PART NUMBER	APPROVED REPLACEMENT FOR PART NUMBER	APPROVAL BASIS & APPROVED DESIGN DATA	MAKE ELIGIBILITY	MODEL ELIGIBILITY
Battery Pack	ABS-3301-31	Dichl Aerospace <u>P/N</u> : 3301-31	Test and Computation per 14 CFR 21.303 <u>Dwg No</u> : ABS-1036A, <u>Rev</u> : Orig, <u>Date</u> : Jan. 09, 2010 or later FAA-approved revision	Empresa Brasileira de Aeronautica S. A. (Embraer)	ERJ 170-100 STD, ERJ 170-100 LR, ERJ 170-100 SU, ERJ 170-100 SE, ERJ 170-200 STD, ERJ 170-200 LR, ERJ 170-200 SU ERJ 190-100 STD, ERJ 190-100 LR, ERJ 190-100 IGW, ERJ 190-100 ECJ, ERJ 190-200 STD, ERJ 190-200 LR, ERJ 190-200 IGW
Battery Pack	ABS-3119	McDonnell Douglas <u>P/N</u> : EMSE299, EMSE299A	Test and Computation per 14 CFR 21.303 <u>Dwg No</u> : ABS-1017A, <u>Rev</u> : Orig, <u>Date</u> : Apr. 10, 2008 or later FAA-approved revision	Saab AB, Saab Aerosystems  McDonnell Douglas Corp.	340A (SAAB/SF340A), SAAB 340B  DC-10-30
Temperature Sensor	ABS-2000	Saft <u>P/N</u> : 023697-000, 23697  Marathon <u>P/N</u> : 29432-005	Test and Computation per 14 CFR 21.303 <u>Dwg No</u> : ABS-4000A, <u>Rev</u> : Orig, <u>Date</u> : May 15, 2008, or later FAA-approved revision	Cessna	208, 208A, 208B
Temperature Sensor	ABS-2001	Saft AI <u>P/N</u> : 15949, 015949-000  Saft Fr. <u>P/N</u> : 116312  Marathon <u>P/N</u> : 30920-002	Test and Computation per 14 CFR 21.303 <u>Dwg No</u> : ABS-4001A, <u>Rev</u> : Orig, <u>Date</u> : May 15, 2008, or later FAA-approved revision	Boeing  Dassault- Aviation	747SP Series, 747-200B Series, 747-200C Series, 747-200F Series  Falcon 10, Mystere-Falcon 50

**FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL**

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

PMA NO.: PQ4009CE  
SUPPLEMENT NO.: 8  
DATE: April 1, 2010

<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>
Temperature Sensor	ABS-2002	Saft AI <u>P/N:</u> 021564-000  Saft AI <u>P/N:</u> 21564  Saft Fr. <u>P/N:</u> 410669  Marathon <u>P/N:</u> 32288-001	Test and Computation per 14 CFR 21.303 <u>Dwg No:</u> ABS-4002A, <u>Rev:</u> Orig, <u>Date:</u> July 15, 2009, or later FAA-approved revision	Saab AB, Saab Aerosystems	340A (SAAB SF340A), SAAB 340B
Temperature Sensor	ABS-2004-1	Saft Fr. <u>P/N:</u> 410218  Saft Am. <u>P/N:</u> 023669-000, 23669  Marathon <u>P/N:</u> 32140-001	Test and Computation per 14 CFR 21.303 <u>Dwg No:</u> ABS-4038A, <u>Rev:</u> Orig, <u>Date:</u> May 15, 2008, or later FAA-approved revision	ATR-GIE Avions de Transport Regional	ATR42-200, ATR42-300, ATR42-320, ATR72-101, ATR72-102, ATR72-201, ATR72-202, ATR72-211, ATR72-212
Temperature Sensor	ABS-2005	Saft AI <u>P/N:</u> 19437, 019437-000  Saft FR <u>P/N:</u> 162366	Test and Computation per 14 CFR 21.303 <u>Dwg No:</u> ABS-4005A, <u>Rev:</u> Orig, <u>Date:</u> May 15, 2008, or later FAA-approved revision	Eurocopter Canada Ltd.  Eurocopter Deutschland GMBH (ECD)	BO 105 LS A-3  BO-105-A, BO-105-C, BO-105-S, BO-105LS A-1, MBB-BK 117 A-1, MBB-BK 117 A-3, MBB BK 117 A-4, MBB BK 117 B-1, MBB BK 117 B-2, MBB BK 117 C-1, MBB BK 117 C-2

**FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL**

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

PMA NO.: PQ4009CE  
SUPPLEMENT NO.: 8  
DATE: April 1, 2010

<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>
Temperature Sensor	ABS-2050	Saft AI <u>P/N</u> : 19220, 019220-000, 18486, 018486-000,  Saft FR. <u>P/N</u> : 117497, 117498  Marathon <u>P/N</u> : 30920-003, 29432-008,	Test and Computation per 14 CFR 21.303 <u>Dwg No</u> : ABS-1000A, <u>Rev</u> : Orig, <u>Date</u> : April 17, 2008, or later FAA-approved revisions	Short Brothers & Harland Ltd.  Dornier Luftfahrt GmbH  328 Support Services GmbH  EADS CASA	SC-7 Series 2 SC-7 Series 3  Dornier 228-100, Dornier 228-101, Dornier 228-200, Dornier 228-201, Dornier 228-202, Dornier 228-212  Dornier Model 328-100 Dornier Model 328-300  C-212-CB, C-212-CC, C-212-CD, C-212-CE, C-212-CF, C-212-DE, C-212-DF

**FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL**

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

PMA NO.: PQ4009CE  
SUPPLEMENT NO.: 8  
DATE: April 1, 2010


PART NAME	PART NUMBER	APPROVED REPLACEMENT FOR PART NUMBER	APPROVAL BASIS & APPROVED DESIGN DATA	MAKE ELIGIBILITY	MODEL ELIGIBILITY
Temperature Sensor	ABS-2050	Saft AI <u>P/N:</u> 19220, 019220-000, 18486, 018486-000,  Saft FR. <u>P/N:</u> 117497, 117498  Marathon <u>P/N:</u> 30920-003, 29432-008,	Test and Computation per 14 CFR 21.303 <u>Dwg No:</u> ABS-1000A, <u>Rev:</u> Orig, <u>Date:</u> April 17, 2008, or later FAA-approved revisions	Hawker Beechcraft Corporation	DH.125 Series 1A, DH.125 Series 1A-522, DH.125 Series 1A/R-522, DH.125 Series 1A/S-522, DH.125 Series 3A, DH.125 Series 3A/R, DH.125 Series 3A/RA, DH.125 Series 400A, HS.125 Series 1B, HS.125 Series 1B-522, HS.125 Series 1B/R-522, HS.125 Series 1B/S-522, HS.125 Series 3B, HS.125 Series 3B/R, HS.125 Series 3B/RA, HS.125 Series 3B/RB, HS.125 Series 3B/RC, HS.125 Series F3B, HS.125 Series F3B/RA, HS.125 Series 400B, HS.125 Series 400B/1, HS.125 Series 401B, HS.125 Series 403A(C), HS.125 Series 403B, HS.125 Series F400B,

-----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

  
For Jim Reeves, Manager  
Atlanta Manufacturing  
Inspection District Office