



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**

April 25, 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 April 24, 2002, meet the airworthiness requirements of the regulations applicable to the products on which 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. 82.

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. 82.

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: *Angelia D. Law*  
Jim Reeves  
Manager, Atlanta Manufacturing  
Inspection District Office

Enclosure

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

PARTS MANUFACTURER APPROVAL NO. PQ1465CE

PRODUCTION APPROVAL LISTING - SUPPLEMENT NO. 82

DATED APRIL 25, 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</u>	<u>FAA Approval Basis &amp; Approved Design Data</u>	<u>Installation Eligibility</u>	<u>Model</u>
Temperature Probe	Temperature Probe  Part Number AD-19756	Soft Temperature Probe Part Number 13959, 19756, 19698, 19787, and Aviall Temperature Probe Part Number BS-2030	Test and Computations per 14 CFR § 21.303 (c)4, <u>Dwg No:</u> A-1021A, <u>Rev:</u> 3, <u>Date:</u> 01/30/02, or later FAA Approved Revision	DeHavilland   Jetstream  Empresa Brasileira	DHC-6 Series, DHC-7 Series, DHC-8 Series  3101 Series, 3201 Series  EMB-110 Series, EMB-120 Series
		Installed in Batteries 4076-9, 4071-9, 4078-10, and 12277-2			

-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. Car...*  
Jim Reeves  
Manager, Atlanta Manufacturing  
Inspection District

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