



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

Small Airplane Directorate  
Atlanta Manufacturing Inspection  
District Office  
One Crown Center, Suite 475  
1895 Phoenix Blvd.  
Atlanta, GA 30349

July 24, 1995  
**REVISED OCTOBER 26, 1999**

PQ1465CE

Ms. Carolyn Lynn  
Vice-President  
Aero Design, Inc.  
181 Due West Drive  
Mt. Juliet, TN 37122

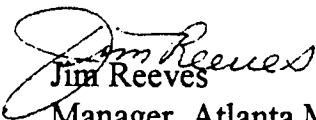
Dear Ms. Lynn:

The statements dated October 25, 1999 certifying that Aero Design Inc. has established a fabrication inspection system that meets the requirements of FAR 21.303(h) for the parts listed are accepted.

Transmitted herein is Production Approval Listing, Supplement No. 10R, July 24, 1995, Revised October 26, 1999, which grants approval for the production of the parts listed thereon, under the same conditions and limitations included in the Approval Letter of March 30, 1995.

Should you have any questions regarding this matter, you may wish to direct them to Mr. Nate Watts, Nashville MISO, at telephone (615) 781-5441.

Sincerely,

  
Jim Reeves

Manager, Atlanta Manufacturing  
Inspection District Office

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

Enclosure

PARTS MANUFACTURER APPROVAL NO. PQ1465CE

PRODUCTION APPROVAL LISTING – SUPPLEMENT NO 10R

DATED JULY 24, 1995  
 REVISED OCTOBER 26, 1999

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Aero Design, Inc.  
 181 Due West Drive  
 Mt. Juliet, TN 37122

| <u>Part Name</u> | <u>Part Number</u> | <u>Approved Re-Placement For</u>                                 | <u>FAA Approval Basis &amp; Approved Design Data</u>   | <u>Installation Eligibility</u>      | <u>Model</u>  |
|------------------|--------------------|--|--|--------------------------------------|---|
| Battery Pack     | P/N AD-3095        | Battery Pack<br>URDC P/N<br>196BS107 and<br>Aviall P/N<br>BS2192 | 14 CFR FAR Part<br>21.303(c)4 Identity<br>Dwg. A-1095A, Rev.<br>Original, dated 4/5/95,<br>or later FAA Approval | Gulfstream                           | G-IV  |
| Battery Pack     | P/N AD-3096        | Battery Pack<br>URDC P/N<br>154BS107 and<br>Aviall P/N<br>BS2191 | 14 CFR FAR Part<br>21.303(c)4 Identity<br>Dwg. A-1096D, Rev. 1,<br>dated 5/10/95, or later<br>FAA Approval       | Canadair<br><br>McDonnell<br>Douglas | CL600-2B16,<br>CL600-1A11,<br>CL600-2A12<br><br>MD-80<br>Series,<br>MD-11 |

-END OF LISTING-

*Jim Reeves*  
 Jim Reeves  
 Manager, Atlanta Manufacturing  
 Inspection District Office

**PROPRIETARY**  
 AERO DESIGN, INC.



U.S. Department  
of Transportation

**Federal Aviation  
Administration**

Small Airplane Directorate  
Atlanta Manufacturing Inspection  
District Office  
One Crown Center  
1895 Phoenix Blvd., Suite 475  
Atlanta, GA 30349

September 30, 1999

Project No. PQ1465CE

Mrs. Carolyn Lynn  
President  
Aero Design, Inc.  
181 Due West Drive  
Mt. Juliet, TN 37122

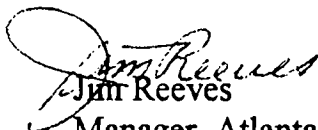
Dear Mrs. Lynn:

The statements dated September 20 and September 28, 1999, certifying that Aero Design, Inc. has established a fabrication inspection system that meets the requirements of FAR 21.303(h) for the parts listed are accepted.

Transmitted herein is Production Approval Listing, Supplement No. 49, dated September 30, 1999, which grants approval for the production of the parts listed thereon, under the same conditions and limitations included in the Approval Letter of March 30, 1995.

Should you have any questions regarding this matter, you may wish to direct them to Mr. Nate Watts, Nashville MISO, at telephone (615) 781-5441.

Sincerely,

  
Jim Reeves

Manager, Atlanta Manufacturing  
Inspection District Office

Enclosure

**PROPRIETARY**  
AERO DESIGN, INC.

PARTS MANUFACTURER APPROVAL NO. PQ1465CE

PRODUCTION APPROVAL LISTING - SUPPLEMENT NO. 49

DATED SEPTEMBER 29, 1999

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

Aero Design, Inc.  
181 Due West Drive  
Mt. Juliet, TN 37122

| Part Name | Part Number | Approved Replacement For   | FAA Approval Basis & Approved Design Data  | Installation Eligibility      | Model                                      |
|-----------|-------------|--|--|-------------------------------|--|
| Battery   | AD-16156    | Saft<br>16156 Series<br><br>Marathon<br>TSP-1757                                     | 14 CFR FAR 21.303(c)4<br>Test and Computation<br><u>Dwg No:</u> A-1176<br><u>Rev:</u> Original<br><u>Date:</u> 7/99 Or later FAA<br>Approved Revision    | McDonnell-Douglas<br>(Hughes) | 500 Series                                 |
| Battery   | AD-1756     | Saft<br>1756 Series<br><br>Marathon<br>SP-1700<br>CA-1700                            | 14 CFR FAR 21.303(c)4<br>Test and Computation<br><u>Dwg No:</u> A-1173<br><u>Rev:</u> Original<br><u>Date:</u> 7/99<br>Or later FAA Approved<br>Revision | Bell Helicopter               | 206 Series                                 |
| Battery   | AD-23576    | Saft<br>23576 Series<br><br>Marathon<br>SP-940<br><br>Fairchild P/N:<br>26-33330-005 | 14 CFR FAR 21.303(c)4<br>Test and Computation<br><u>Dwg No:</u> A-1178<br><u>Rev:</u> Original<br><u>Date:</u> 7/99<br>Or later FAA Approved<br>Revision | Fairchild Aircraft            | SA-24AT<br>SA-226T<br>SA-226AT<br>SA-226TC |

PROPRIETARY

AERO DESIGN, INC.

| Part Name | Part Number  | Approved Replacement For                            | FAA Approval Basis & Approved Design Data   | Installation Eligibility   | Model  |
|-----------|--------------|---|---|--|--|
| Battery   | AD-3096      | URDC P/N:<br>154BS107<br><br>Aviall P/N:<br>BS-2191 | 14 CFR FAR 21.303(c)4<br>Test and Computation<br><u>Dwg No:</u> A-1096<br><u>Rev:</u> 2<br><u>Date:</u> 1/97<br>Or later FAA Approved Revision        | McDonnell-Douglas<br><br>Bombardier  | MD-11 Series<br>MD-80 Series<br><br>CL-600-I,<br>CL600-2   |
| Battery   | AD-55-2198-1 | Grimes P/N:<br>55-2198-1                            | 14 CFR FAR 21.303(c)4<br>Test and Computation<br><u>Dwg No:</u> A-1104<br><u>Rev:</u> Original<br><u>Date:</u> 5/98<br>Or later FAA Approved Revision | SAAB<br><br>Boeing<br><br>Hawker<br><br>Bombardier<br><br>Fokker   | 340 Series<br><br>707, 727, 737,<br>747 Series<br><br>1000 Series<br><br>CL-600 Series<br><br>100 Series   |
| Battery   | AD-2376      | Saft<br>2376 Series<br><br>Marathon<br>SP-900       | 14 CFR FAR 21.303(c)4<br>Test and Computation<br><u>Dwg No:</u> A-1171<br><u>Rev:</u> Original<br><u>Date:</u> 7/99<br>Or later FAA Approved Revision | Bell Helicopter<br><br>British Aerospace<br><br>Dornier<br><br>Fairchild<br><br>Fokker<br><br>Eurocopter<br><br>Hughes<br><br>Mystere Falcon<br><br>Short Brothers | 204 Series<br><br>DH 125<br>HS 125<br><br>228, 328 Series<br><br>SA-26T,<br>SA-26AT,<br>SA-226, SA-227<br>Series<br><br>F27 Series<br><br>BO 105 Series<br><br>500 Series<br><br>10, 20, 50, 900,<br>Series<br><br>SC-7 Series |
| Battery   | AD-1656      | Saft<br>1656 Series<br><br>Marathon<br>SP-1700      | 14 CFR FAR 21.303(c)4<br>Test and Computation<br><u>Dwg No:</u> A-1175<br><u>Rev:</u> Original<br><u>Date:</u> 7/99<br>Or later FAA Approved Revision | Aerospatale<br><br>Augusta<br><br>Bell Helicopter  | ATR-42 Series<br>ATR-72 Series<br><br>AB 206<br><br>204 Series<br>206 A, B, L  |

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AERO DESIGN, INC.

| Part Name | Part Number | Approved Replacement For   | FAA Approval Basis & Approved Design Data   | Installation Eligibility                   | Model  |
|-----------|-------------|--|---|--|--|
| Battery   | AD-4002P    | GE/Gates P/N<br>41BO04AD07G3<br>41BO04AA15N<br><br>Grimes P/Ns:<br>MISC-060<br>MISC-0615<br><br>Engineered<br>Magnetics P/N:<br>803911-1<br><br>EAC P/N:<br>EA1D131D3<br><br>Saft P/Ns:<br>16623-1<br>16624-1<br><br>Marathon S103<br>P/N: 25503-025 | 14 CFR FAR 21.303(c)4<br>Test and Computation<br>Dwg No: A-1165A<br>Rev: 3<br>Date: 7/99<br>Or later FAA Approved<br>Revision       | McDonnell Douglas<br><br>Dassault Aviation | DC-9 Series<br>MD-80 Series<br><br>Falcon 50<br>Falcon 900 |
| Battery   | AD-40176    | Saft<br>40176 Series<br><br>Marathon<br>SP-747   | 14 CFR FAR 21.303(c)4<br>Test and Computation<br>Dwg No: A-1196<br>Rev: Original<br>Date: 7/99<br>Or later FAA Approved<br>Revision | Boeing                                     | 737 Series<br>747 Series                                   |
| Battery   | AD-23676    | Saft<br>23676 Series<br><br>Marathon<br>CA-91-20<br><br>Fairchild P/N<br>27-19207-1  | 14 CFR FAR 21.303(c)4<br>Test and Computation<br>Dwg No: A-1174<br>Rev: Original<br>Date: 7/99<br>Or later FAA Approved<br>Revision | Fairchild Aircraft                         | SA-266T  |
| Battery   | AD-2758     | Saft<br>2758 Series  | 14 CFR FAR 21.303(c)4<br>Test and Computation<br>Dwg No: A-1193<br>Rev: Original<br>Date: 7/99<br>Or later FAA Approved<br>Revision | Airbus                                     | A320 Series<br>A321 Series                                 |

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| Part Name | Part Number | Approved Replacement For  | FAA Approval Basis & Approved Design Data  | Installation Eligibility | Model                   |
|-----------|-------------|---|--|--------------------------|-------------------------|
| Battery   | AD-401176   | Saft<br>401176 Series<br><br>Marathon<br>BTSP-400   | 14 CFR FAR 21.303(c)4<br>Test and Computation<br>Dwg No: A-1192<br>Rev: Original<br>Date: 7/99<br>Or later FAA Approved Revision | DeHavilland              | DHC-6<br>DHC-7<br>DHC-8 |
| Battery   | AD-23180    | Saft<br>23180 Series<br><br>Marathon<br>25582-3 Type<br>CA727-20<br>28111-3 Type<br>CA27-20<br><br>Boeing<br>10-60707-9<br>10-60707-10<br>10-60707-13 | 14 CFR FAR 21.303(c)4<br>Test and Computation<br>Dwg No: A-1177<br>Rev: Original<br>Date: 7/99<br>Or later FAA Approved Revision | Boeing                   | 727 Series              |

**-END OF LISTING-**

*Jim Reeves*  
Jim Reeves

Manager, Atlanta Manufacturing  
Inspection District Office

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

**FEDERAL AVIATION ADMINISTRATION-PARTS MANUFACTURER APPROVAL**

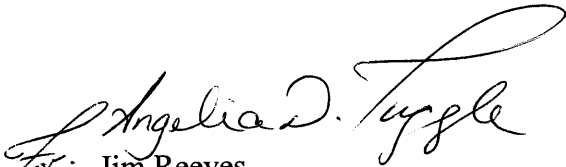
Aero Design, Inc.  
A HEICO Aerospace Company  
385 Industrial Park Drive  
Mt. Juliet, TN 37122

PMA NO. PQ1465CE  
SUPPLEMENT NO. 121  
DATE: AUGUST 4, 2004

| <u>Part Name</u> | <u>Part Number</u> | <u>Approved Replacement for Part Number</u>                   | <u>Approval Basis and Approved Design Data</u>   | <u>Make Eligibility</u>             | <u>Model Eligibility</u>  |
|------------------|--------------------|---|--|-------------------------------------|---|
| Battery Pack     | AD-3096            | URDC Part Number 154BS107-1<br><br>Aviall Part Number BS-2191 | Test & Computations per 14 CFR § 21.303 (c)4,<br>Aero Design, Inc.'s<br><u>Dwg No:</u> A-1096,<br><u>Rev:</u> 3,<br><u>Date:</u> 03/19/02,<br>or later FAA Approved Revision | McDonnell Douglas<br><br>Bombardier | MD-11 Series<br>MD-80 Series<br><br>CL-600-1A11<br>CL-600-2A12<br>CL-600-2B16 |

**-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: Jim Reeves  
Manager, Atlanta Manufacturing  
Inspection District Office