



PMA Supplements Index:

ARTICLE NUMBER	ARTICLE NAME	PMA SUPP.	DATE ISSUED
AD-1152112-2	BATTERY, AIRCRAFT	ODA-AD-222	Oct 31, 2011
		ODA-AD-229	Sept 6, 2012
AD-16102-135	CONNECTOR	ODA-AD-222	Oct 31, 2011
		ODA-AD-229	Sept 6, 2012
AD-16102-136	CONNECTOR	ODA-AD-222	Oct 31, 2011
		ODA-AD-229	Sept 6, 2012
AD-16167-006	CONNECTOR	ODA-AD-222	Oct 31, 2011
		ODA-AD-229	Sept 6, 2012
AD-16167-007	CONNECTOR	ODA-AD-222	Oct 31, 2011
		ODA-AD-229	Sept 6, 2012
AD-24583-001	RING, SEALING	ODA-AD-222	Oct 31, 2011
		ODA-AD-229	Sept 6, 2012
AD-27291-004	SPACER	ODA-AD-222	Oct 31, 2011
		ODA-AD-229	Sept 6, 2012
AD-30114-07C	CELL, BATTERY	ODA-AD-222	Oct 31, 2011
		ODA-AD-229	Sept 6, 2012
AD-32194-002	LINER, SIDE	ODA-AD-222	Oct 31, 2011
		ODA-AD-229	Sept 6, 2012
AD-32194-003	LINER, BOTTOM	ODA-AD-229	Sept 6, 2012
AD-32194-004	LINER, CENTER	ODA-AD-229	Sept 6, 2012
AD-32914-003	LINER, BOTTOM	ODA-AD-222	Oct 31, 2011
AD-32914-004	LINER, CENTER	ODA-AD-222	Oct 31, 2011
AD-32194-005	LINER, REAR	ODA-AD-222	Oct 31, 2011
		ODA-AD-229	Sept 6, 2012
AD-40273-002	COVER, MARKED	ODA-AD-222	Oct 31, 2011
		ODA-AD-229	Sept 6, 2012
AD-9988-209	SHIMS	ODA-AD-222	Oct 31, 2011
		ODA-AD-229	Sept 6, 2012

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

Aero Design, Inc.
385 Industrial Dr.
Mt. Juliet, TN 37122

PMA NO.: PQ1465CE
SUPPLEMENT NO.: 222
DATE: October 31, 2011

ARTICLE NAME	PART NUMBER	APPROVED REPLACEMENT FOR PART NUMBER	APPROVAL BASIS & APPROVED DESIGN DATA	MAKE ELIGIBILITY	MODEL ELIGIBILITY
Battery, Aircraft	AD-1152112-2	Bombardier: 1152112-2 1152112-2 Series 1 1152112-2-1 Marathon: 32441-002 TSP-408L-1	Test and Computations per 14 CFR § 21.303 <u>Dwg. No.:</u> AD-1152112-1 <u>Rev.:</u> 1 <u>Date:</u> 4/4/11 or later FAA approved revisions.	Bombardier	DHC-8-400
Cover, Marked	AD-40273-002	Honeywell: 40273-002 Marathon: 40273-002 Installed in Honeywell: 1152112-2	Test and Computations per 14 CFR § 21.303 <u>Dwg. No.:</u> AD-40273-002 <u>Rev.:</u> 0 <u>Date:</u> 7/26/10 or later FAA approved revisions.	Bombardier	DHC-8-400
Receptacle	AD-16163-023	Honeywell: 16163-023 Marathon: 16163-023 Installed in Honeywell: 1152112-2 Installed in Marathon: 32845-001	Test and Computations per 14 CFR § 21.303 <u>Dwg. No.:</u> AD-16163-023 <u>Rev.:</u> 0 <u>Date:</u> 7/26/10 or later FAA approved revisions.	Bombardier Embraer	DHC-8-400 EMB-145, -145ER, -145MR, -145LR, -135ER, -135LR, -135KE, -135KL, -135BJ, -145XR, -145MP, -145EP
Ring, Sealing	AD-24583-001	Honeywell: 24583-001 Marathon: 24583-001 Installed in Honeywell: 1152112-2	Test and Computations per 14 CFR § 21.303 <u>Dwg. No.:</u> AD-24583-001 <u>Rev.:</u> 0 <u>Date:</u> 7/26/10 or later FAA approved revisions.	Bombardier	DHC-8-400

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DATE: October 31, 2011

ARTICLE NAME	PART NUMBER	APPROVED REPLACEMENT FOR PART NUMBER	APPROVAL BASIS & APPROVED DESIGN DATA	MAKE ELIGIBILITY	MODEL ELIGIBILITY
Screw, Socket	AD-30877-002	Honeywell: 30877-002 Marathon: 30877-002 Installed in Honeywell: 1152112-2	Test and Computations per 14 CFR § 21.303 <u>Dwg. No.:</u> AD-30877-002 <u>Rev.:</u> 1 <u>Date:</u> 10/8/10 or later FAA approved revisions.	Bombardier	DHC-8-400
Spacer	AD-27291-004	Honeywell: 27291-004 Marathon: 27291-004 Installed in Honeywell: 1152112-2	Test and Computations per 14 CFR § 21.303 <u>Dwg. No.:</u> AD-27291-004 <u>Rev.:</u> 1 <u>Date:</u> 12/16/10 or later FAA approved revisions.	Bombardier	DHC-8-400
Connector	AD-16102-135	Honeywell: 16102-135 Marathon: 16102-135 Installed in Honeywell: 1152112-2	Test and Computations per 14 CFR § 21.303 <u>Dwg. No.:</u> AD-16102-135 <u>Rev.:</u> 1 <u>Date:</u> 10/15/10 or later FAA approved revisions.	Bombardier	DHC-8-400
Connector	AD-16102-136	Honeywell: 16102-136 Marathon: 16102-136 Installed in Honeywell: 1152112-2	Test and Computations per 14 CFR § 21.303 <u>Dwg. No.:</u> AD-16102-136 <u>Rev.:</u> 1 <u>Date:</u> 10/15/10 or later FAA approved revisions.	Bombardier	DHC-8-400
Connector	AD-16167-006	Honeywell: 16167-006 Marathon: 16167-006 Installed in Honeywell: 1152112-2	Test and Computations per 14 CFR § 21.303 <u>Dwg. No.:</u> AD-16167-006 <u>Rev.:</u> 1 <u>Date:</u> 10/15/10 or later FAA approved revisions.	Bombardier	DHC-8-400

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ARTICLE NAME	PART NUMBER	APPROVED REPLACEMENT FOR PART NUMBER	APPROVAL BASIS & APPROVED DESIGN DATA	MAKE ELIGIBILITY	MODEL ELIGIBILITY
Connector	AD-16167-007	Honeywell: 16167-007 Marathon: 16167-007 Installed in Honeywell: 1152112-2	Test and Computations per 14 CFR § 21.303 <u>Dwg. No.:</u> AD-16167-007 <u>Rev.:</u> 2 <u>Date:</u> 4/4/11 or later FAA approved revisions.	Bombardier	DHC-8-400
Liner, Side	AD-32194-002	Honeywell: 32194-002 Marathon: 32194-002 Installed in Honeywell: 1152112-2	Test and Computations per 14 CFR § 21.303 <u>Dwg. No.:</u> AD-32194-002 <u>Rev.:</u> 1 <u>Date:</u> 4/4/11 or later FAA approved revisions.	Bombardier	DHC-8-400
Liner, Rear	AD-32194-005	Honeywell: 32194-005 Marathon: 32194-002 Installed in Honeywell: 1152112-2	Test and Computations per 14 CFR § 21.303 <u>Dwg. No.:</u> AD-32194-005 <u>Rev.:</u> 1 <u>Date:</u> 4/4/11 or later FAA approved revisions.	Bombardier	DHC-8-400
Liner, Bottom	AD-32914-003	Honeywell: 32914-003 Marathon: 32914-003 Installed in Honeywell: 1152112-2	Test and Computations per 14 CFR § 21.303 <u>Dwg. No.:</u> AD-32194-003 <u>Rev.:</u> 0 <u>Date:</u> 7/27/10 or later FAA approved revisions.	Bombardier	DHC-8-400
Liner, Center	AD-32914-004	Honeywell: 32914-004 Marathon: 32914-004 Installed in Honeywell: 1152112-2	Test and Computations per 14 CFR § 21.303 <u>Dwg. No.:</u> AD-32194-004 <u>Rev.:</u> 1 <u>Date:</u> 4/4/11 or later FAA approved revisions.	Bombardier	DHC-8-400

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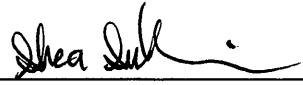
ARTICLE NAME	PART NUMBER	APPROVED REPLACEMENT FOR PART NUMBER	APPROVAL BASIS & APPROVED DESIGN DATA	MAKE ELIGIBILITY	MODEL ELIGIBILITY
Shims	AD-9988-209	Honeywell: 9988-209 Marathon: 9988-209 Installed in Honeywell: 1152112-2	Test and Computations per 14 CFR § 21.303 <u>Dwg. No.:</u> AD-9988-209 <u>Rev.:</u> 1 <u>Date:</u> 4/4/11 or later FAA approved revisions.	Bombardier	DHC-8-400
Cell, Battery	AD-30114-07C	Honeywell: 30114-07C Marathon: 30114-07C Installed in Honeywell: 1152112-2	Test and Computations per 14 CFR § 21.303 <u>Dwg. No.:</u> AD-30114-07C <u>Rev.:</u> 1 <u>Date:</u> 4/4/11 or later FAA approved revisions.	Bombardier	DHC-8-400
Vent Valve Assembly	AD-16934-001	Honeywell: 16934-001 Marathon: 16934-001 Installed in Honeywell: 1152112-2	Test and Computations per 14 CFR § 21.303 <u>Dwg. No.:</u> AD-16934-001 <u>Rev.:</u> 0 <u>Date:</u> 4/4/11 or later FAA approved revisions.	Bombardier	DHC-8-400

-----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 articles with their designs. If the TC holder's ICA applies to these replacement articles, provide a statement noting such. If not, provide supplementary ICA per 14 CFR § 21.50. 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

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

Aero Design, Inc.
385 Industrial Dr.
Mt. Juliet, TN 37122

PMA NO.: PQ1465CE
SUPPLEMENT NO.: 229
DATE: September 6, 2012

ARTICLE NAME	PART NUMBER	APPROVED REPLACEMENT FOR PART NUMBER	APPROVAL BASIS & APPROVED DESIGN DATA	MAKE ELIGIBILITY	MODEL ELIGIBILITY
Battery, Aircraft	AD-1152112-2	Bombardier: 1152112-2 1152112-2 Series 1 1152112-2-1 Marathon: 32441-002 TSP-408L-1	Test and Computations per 14 CFR § 21.303 <u>Dwg. No.:</u> AD-1152112-1 <u>Rev.:</u> 2 <u>Date:</u> 3/28/12 or later FAA approved revisions.	Bombardier	DHC-8-400
Cover, Marked	AD-40273-002	Honeywell: 40273-002 Marathon: 40273-002 Installed in Honeywell: 1152112-2	Test and Computations per 14 CFR § 21.303 <u>Dwg. No.:</u> AD-40273-002 <u>Rev.:</u> 0 <u>Date:</u> 7/26/10 or later FAA approved revisions.	Bombardier	DHC-8-400
Receptacle	AD-16163-023	Honeywell: 16163-023 Marathon: 16163-023 Installed in Honeywell: 1152112-2 Installed in Marathon: 32845-001 32848-001	Test and Computations per 14 CFR § 21.303 <u>Dwg. No.:</u> AD-16163-023 <u>Rev.:</u> 0 <u>Date:</u> 7/26/10 or later FAA approved revisions.	Bombardier Embraer Saab AB, Saab Aerosystems	DHC-8-400 EMB-145, -145ER, -145MR, -145LR, -135ER, -135LR, -135KE, -135KL, -135BJ, -145XR, -145MP, -145EP 340A (Saab/SF340A) SAAB 340B
Ring, Sealing	AD-24583-001	Honeywell: 24583-001 Marathon: 24583-001 Installed in Honeywell: 1152112-2 Installed in Marathon: 32845-001 32848-001	Test and Computations per 14 CFR § 21.303 <u>Dwg. No.:</u> AD-24583-001 <u>Rev.:</u> 0 <u>Date:</u> 7/26/10 or later FAA approved revisions.	Bombardier Embraer Saab AB, Saab Aerosystems	DHC-8-400 EMB-145, -145ER, -145MR, -145LR, -135ER, -135LR, -135KE, -135KL, -135BJ, -145XR, -145MP, -145EP 340A (Saab/SF340A) SAAB 340B

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ARTICLE NAME	PART NUMBER	APPROVED REPLACEMENT FOR PART NUMBER	APPROVAL BASIS & APPROVED DESIGN DATA	MAKE ELIGIBILITY	MODEL ELIGIBILITY
Screw, Socket	AD-30877-002	Honeywell: 30877-002 Marathon: 30877-002 Installed in Honeywell: 1152112-2	Test and Computations per 14 CFR § 21.303 <u>Dwg. No.:</u> AD-30877-002 <u>Rev.:</u> 1 <u>Date:</u> 10/8/10 or later FAA approved revisions.	Bombardier	DHC-8-400
Spacer	AD-27291-004	Honeywell: 27291-004 Marathon: 27291-004 Installed in Honeywell: 1152112-2	Test and Computations per 14 CFR § 21.303 <u>Dwg. No.:</u> AD-27291-004 <u>Rev.:</u> 1 <u>Date:</u> 12/16/10 or later FAA approved revisions.	Bombardier	DHC-8-400
Connector	AD-16102-135	Honeywell: 16102-135 Marathon: 16102-135 Installed in Honeywell: 1152112-2 Installed in Marathon: 32848-001	Test and Computations per 14 CFR § 21.303 <u>Dwg. No.:</u> AD-16102-135 <u>Rev.:</u> 1 <u>Date:</u> 10/15/10 or later FAA approved revisions.	Bombardier Saab AB, Saab Aerosystems	DHC-8-400 340A (Saab/SF340A) SAAB 340B
Connector	AD-16102-136	Honeywell: 16102-136 Marathon: 16102-136 Installed in Honeywell: 1152112-2 Installed in Marathon: 32848-001	Test and Computations per 14 CFR § 21.303 <u>Dwg. No.:</u> AD-16102-136 <u>Rev.:</u> 1 <u>Date:</u> 10/15/10 or later FAA approved revisions.	Bombardier Saab AB, Saab Aerosystems	DHC-8-400 340A (Saab/SF340A) SAAB 340B

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ARTICLE NAME	PART NUMBER	APPROVED REPLACEMENT FOR PART NUMBER	APPROVAL BASIS & APPROVED DESIGN DATA	MAKE ELIGIBILITY	MODEL ELIGIBILITY
Connector	AD-16167-006	Honeywell: 16167-006	Test and Computations per 14 CFR § 21.303	Bombardier	DHC-8-400
		Marathon: 16167-006	<u>Dwg. No.:</u> AD-16167-006	Embraer	EMB-145, -145ER, -145MR, -145LR, -135ER, -135LR, -135KE, -135KL, -135BJ, -145XR, -145MP, -145EP
		Installed in Honeywell: 1152112-2	<u>Rev.:</u> 1 <u>Date:</u> 10/15/10 or later FAA approved revisions.		
		Installed in Marathon: 32845-001 32848-001		Saab AB, Saab Aerosystems	340A (Saab/SF340A) SAAB 340B
Connector	AD-16167-007	Honeywell: 16167-007	Test and Computations per 14 CFR § 21.303	Bombardier	DHC-8-400
		Marathon: 16167-007	<u>Dwg. No.:</u> AD-16167-007	Embraer	EMB-145, -145ER, -145MR, -145LR, -135ER, -135LR, -135KE, -135KL, -135BJ, -145XR, -145MP, -145EP
		Installed in Honeywell: 1152112-2	<u>Rev.:</u> 2 <u>Date:</u> 4/4/11 or later FAA approved revisions.		
		Installed in Marathon: 32845-001			
Liner, Side	AD-32194-002	Honeywell: 32194-002	Test and Computations per 14 CFR § 21.303	Bombardier	DHC-8-400
		Marathon: 32194-002	<u>Dwg. No.:</u> AD-32194-002		
		Installed in Honeywell: 1152112-2	<u>Rev.:</u> 1 <u>Date:</u> 4/4/11 or later FAA approved revisions.		
Liner, Rear	AD-32194-005	Honeywell: 32194-005	Test and Computations per 14 CFR § 21.303	Bombardier	DHC-8-400
		Marathon: 32194-002	<u>Dwg. No.:</u> AD-32194-005		
		Installed in Honeywell: 1152112-2	<u>Rev.:</u> 1 <u>Date:</u> 4/4/11 or later FAA approved revisions.		

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ARTICLE NAME	PART NUMBER	APPROVED REPLACEMENT FOR PART NUMBER	APPROVAL BASIS & APPROVED DESIGN DATA	MAKE ELIGIBILITY	MODEL ELIGIBILITY
Liner, Bottom	AD-32194-003	Honeywell: 32194-003 Marathon: 32194-003 Installed in Honeywell: 1152112-2	Test and Computations per 14 CFR § 21.303 <u>Dwg. No.:</u> AD-32194-003 <u>Rev.:</u> 1 <u>Date:</u> 3/28/12 or later FAA approved revisions.	Bombardier	DHC-8-400
Liner, Center	AD-32194-004	Honeywell: 32194-004 Marathon: 32194-004 Installed in Honeywell: 1152112-2	Test and Computations per 14 CFR § 21.303 <u>Dwg. No.:</u> AD-32194-004 <u>Rev.:</u> 2 <u>Date:</u> 3/28/12 or later FAA approved revisions.	Bombardier	DHC-8-400
Shims	AD-9988-209	Honeywell: 9988-209 Marathon: 9988-209 Installed in Honeywell: 1152112-2	Test and Computations per 14 CFR § 21.303 <u>Dwg. No.:</u> AD-9988-209 <u>Rev.:</u> 1 <u>Date:</u> 4/4/11 or later FAA approved revisions.	Bombardier	DHC-8-400
Cell, Battery	AD-30114-07C	Honeywell: 30114-07C Marathon: 30114-07C Installed in Honeywell: 1152112-2	Test and Computations per 14 CFR § 21.303 <u>Dwg. No.:</u> AD-30114-07C <u>Rev.:</u> 1 <u>Date:</u> 4/4/11 or later FAA approved revisions.	Bombardier	DHC-8-400

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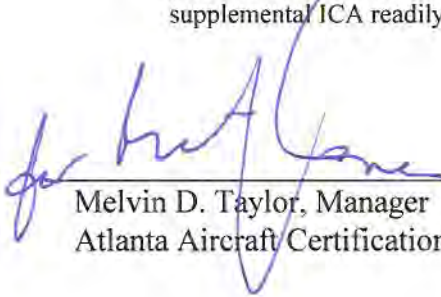
PMA NO.: PQ1465CE
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ARTICLE NAME	PART NUMBER	APPROVED REPLACEMENT FOR PART NUMBER	APPROVAL BASIS & APPROVED DESIGN DATA	MAKE ELIGIBILITY	MODEL ELIGIBILITY
Vent Valve Assembly	AD-16934-001	Honeywell: 16934-001 Marathon: 16934-001 Installed in Honeywell: 1152112-2	Test and Computations per 14 CFR § 21.303 <u>Dwg. No.:</u> AD-16934-001 <u>Rev.:</u> 0 <u>Date:</u> 4/4/11 or later FAA approved revisions.	Bombardier	DHC-8-400

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