



U.S. Department  
of Transportation

**Federal Aviation  
Administration**

Small Airplane Directorate  
Manufacturing Inspection District Office  
5950 Hazeltine National Drive, Rm 405  
Orlando, Florida 32822  
Telephone: (407) 855-9050

April 4, 2012

Scott Sanford  
Director of Engineering  
Seal Dynamics  
13780 McCormick  
Tampa, FL 33626

FEDERAL AVIATION ADMINISTRATION-PARTS MANUFACTURER APPROVAL

In accordance with the provisions of Title 14, Code of Federal Regulations (14 CFR), Part 21, Certification Procedures for Products, Articles, and Parts, subpart K, the FAA has found that the design data, based on test and computation submitted by Seal Dynamics with your letter dated February 24, 2012, meets the airworthiness requirements of the regulations applicable to the products on which the articles are to be installed. Additionally, the FAA has determined that Seal Dynamics has established the quality system required by § 21.307 at 13780 McCormick Drive, Tampa, Florida. Accordingly Parts Manufacture Approval (PMA) is hereby granted for production of the replacement articles listed in the enclosed Supplement No 342.

You are reminded that the provisions of 14 CFR, Parts 21 and 45, noted in our PMA letter of approval dated August 28, 2003, also apply to the enclosed PMA listing-Supplement No 342. The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the parts concerned.

Sincerely,

A handwritten signature in blue ink, appearing to read "Mack Riley".

Mack Riley  
Manager, Orlando MIDO

Enclosure  
PMA Listing – Supplement No. 342

**FEDERAL AVIATION ADMINISTRATION-PARTS MANUFACTURER APPROVAL**

Seal Dynamics  
13780 McCormick Drive  
Tampa, FL 33626

PMA NO. PQ1715CE  
SUPPLEMENT NO. 342  
DATE: March 15, 2012


<b>Article Name</b>	<b>Part Number</b>	<b>Approved Replacement for Part Number</b>	<b>Approval Basis and Approved Design Data</b>	<b>Make Eligibility</b>	<b>Model Eligibility</b>
Seal, Access Door	170-08021-901SD	Embraer P/N 170-08021-901	Test and Computations per 14 CFR § 21.303 <u>Dwg No:</u> SD6012011DRW1 <u>Rev:</u> IR <u>Dated:</u> 10/20/11 or later FAA-approved revisions	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
Seal, Access Door	170-08021-903SD	Embraer P/N 170-08021-903	Test and Computations per 14 CFR § 21.303 <u>Dwg No:</u> SD6012011DRW1 <u>Rev:</u> IR <u>Dated:</u> 10/20/11 or later FAA-approved revisions	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
Seal, Access Door	170-08021-905SD	Embraer P/N 170-08021-905	Test and Computations per 14 CFR § 21.303 <u>Dwg No:</u> SD6012011DRW1 <u>Rev:</u> IR <u>Dated:</u> 10/20/11 or later FAA-approved revisions	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
Seal, Access Door	170-08035-901SD	Embraer P/N 170-08035-901	Test and Computations per 14 CFR § 21.303 <u>Dwg No:</u> SD6012011DRW1 <u>Rev:</u> IR <u>Dated:</u> 10/20/11 or later FAA-approved revisions	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

Seal, Access Door	170-08041-901SD	Embraer P/N 170-08041-901	Test and Computations per 14 CFR § 21.303 <u>Dwg No:</u> SD6012011DRW1 <u>Rev:</u> IR <u>Dated:</u> 10/20/11 or later FAA-approved revisions	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
Seal, Access Door	170-08352-901SD	Embraer P/N 170-08352-901	Test and Computations per 14 CFR § 21.303 <u>Dwg No:</u> SD6012011DRW1 <u>Rev:</u> IR <u>Dated:</u> 10/20/11 or later FAA-approved revisions	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
Seal, Access Door	170-30576-901SD	Embraer P/N 170-30576-901	Test and Computations per 14 CFR § 21.303 <u>Dwg No:</u> SD6012011DRW1 <u>Rev:</u> IR <u>Dated:</u> 10/20/11 or later FAA-approved revisions	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

-----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. These ICA may refer to those of the respective articles from the holders of type certificates. Otherwise, provide supplemental ICA for differences in the replacement articles. Make referral statements or supplemental ICA readily available per 14 CFR § 21.50.




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Melvin D. Taylor, Manager Atlanta  
Aircraft Certification Office




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Mack Riley, Manager Orlando  
Manufacturing Inspection District Office