



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

Engine & Propeller Directorate

Manufacturing Inspection District Office 41
1699 King Street, Suite 206
Enfield, CT 06082
Phone: (860) 386-1850
Fax: (860) 386-1827

February 2, 2017

R & D Dynamics, Inc.
49 West Dudley Town Road
Bloomfield, CT 06002

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 and Parts, subpart K, the FAA has found that the design data, based on Test and Computations submitted by R & D Dynamics, Inc., with your letter dated January 8, 2017, meet the airworthiness requirements of the regulations applicable to the products on which the parts are to be installed. Additionally, the FAA has determined that R & D Dynamics, Inc., has established the quality system required by § 21.307 at 49 West Dudley Town Road, Bloomfield, CT. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement articles listed in the enclosed Supplement No. 35.

You are reminded that the provisions of 14 CFR, Parts 21 and 45, noted in our PMA letter of approval dated April 23, 2013, also apply to the enclosed PMA Listing-Supplement No. 35. The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the parts concerned.

Sincerely,

 Acting
For
Eileen Murphy, Manager
Bradley Manufacturing Inspection District Office

Enclosure:
PMA Listing-Supplement No. 35



FAA

Manufacturing Inspection District Office, ANE-MIDO-41

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

R&D Dynamics Corporation
 49 West Dudley Town Road
 Bloomfield, CT 06002

PMA NO. PQ1092NE
 SUPPLEMENT NO.: 35
 DATE: 02/02/2017

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Rotor, Compressor	RD806268-1	806268-1	Test and Computations per 14 CFR § 21.303, DWG No: 614202, Rev: A Date: 10/14/16 or later FAA-approved revisions	Embraer	EMB 135BJ, LR, KE, ER, KL EMB 145, -145EP, MP, XR, MR, LR, ER
Fan, Cooling	RD815245-2	815245-2	Test and Computations per 14 CFR § 21.303, DWG No: 614203, Rev: A Date: 10/14/16 or later FAA-approved revisions	Embraer	EMB 135BJ, LR, KE, ER, KL EMB 145, -145EP, MP, XR, MR, LR, ER
Shaft, Air Bearing	RD806264-4	806264-4	Test and Computations per 14 CFR § 21.303, DWG No: 614205, Rev: A Date: 10/14/16 or later FAA-approved revisions	Embraer	EMB 135BJ, LR, KE, ER, KL EMB 145, -145EP, MP, XR, MR, LR, ER
Diffuser, Compressor	RD815242-1	815242-1	Test and Computations per 14 CFR § 21.303, DWG No: 614207, Rev: A Date: 10/14/16 or later FAA-approved revisions	Embraer	EMB 135BJ, LR, KE, ER, KL EMB 145, -145EP, MP, XR, MR, LR, ER



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Table with 6 columns: Article Name, Article Number, Approved Replacement for Article Number, Approval Basis and Approved Design Data, Make/TCH Eligibility, Model/Series Eligibility. Contains 4 rows of part specifications.



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Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Nozzle, Turbine	RD815243-2	815243-2	Test and Computations per 14 CFR § 21.303, DWG No: 614214, Rev: A Date: 10/14/16 or later FAA-approved revisions	Embraer	EMB 135BJ, LR, KE, ER, KL EMB 145, -145EP, MP, XR, MR, LR, ER
Spacer, Nozzle	RD806252-1	806252-1	Test and Computations per 14 CFR § 21.303, DWG No: 614216, Rev: A Date: 10/14/16 or later FAA-approved revisions	Embraer	EMB 135BJ, LR, KE, ER, KL EMB 145, -145EP, MP, XR, MR, LR, ER
Seal	RD815239-21	815239-21	Test and Computations per 14 CFR § 21.303, DWG No: 614217, Rev: A Date: 10/14/16 or later FAA-approved revisions	Embraer	EMB 135BJ, LR, KE, ER, KL EMB 145, -145EP, MP, XR, MR, LR, ER
Washer, Flat	RD732108-7	732108-7	Test and Computations per 14 CFR § 21.303, DWG No: 614218, Rev: A Date: 10/14/16 or later FAA-approved revisions	Embraer	EMB 135BJ, LR, KE, ER, KL EMB 145, -145EP, MP, XR, MR, LR, ER



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Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Shim, Solid	RD806254-1 RD806254-2 RD806254-3 RD806254-4 RD806254-5 RD806254-6 RD806254-7	806254-1 806254-2 806254-3 806254-4 806254-5 806254-6 806254-7	Test and Computations per 14 CFR § 21.303, DWG No: 614219, Rev: A Date: 10/14/16 or later FAA-approved revisions	Embraer	EMB 135BJ, LR, KE, ER, KL EMB 145, -145EP, MP, XR, MR, LR, ER
Shim, Solid	RD806256-1 RD806256-2 RD806256-3 RD806256-4 RD806256-5 RD806256-6	806256-1 806256-2 806256-3 806256-4 806256-5 806256-6	Test and Computations per 14 CFR § 21.303, DWG No: 614220, Rev: A Date: 10/14/16 or later FAA-approved revisions	Embraer	EMB 135BJ, LR, KE, ER, KL EMB 145, -145EP, MP, XR, MR, LR, ER
Shim, Solid	RD806255-1 RD806255-2 RD806255-3 RD806255-4 RD806255-5 RD806255-6 RD806255-7	806255-1 806255-2 806255-3 806255-4 806255-5 806255-6 806255-7	Test and Computations per 14 CFR § 21.303, DWG No: 614221, Rev: A Date: 10/14/16 or later FAA-approved revisions	Embraer	EMB 135BJ, LR, KE, ER, KL EMB 145, -145EP, MP, XR, MR, LR, ER

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GENERAL NOTES:

Provide minor design changes in a manner as determined by the ACO. Process major design changes to drawings and specifications in the same manner as that for an original FAA-PMA.

The FAA accepted the ICA approach 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.

Maurice Maistrison for

**Nicholas Faust, Acting Manager
Boston Aircraft Certification Office**

Acting For

**Eileen Murphy, Manager
Bradley Manufacturing Inspection
District Office**