

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

R&D Dynamics Corporation
 15 Barber Pond Road.
 Bloomfield, CT 06002

PMA NO. PQ1092NE
 SUPPLEMENT NO.: 20
 DATE: January 4, 2010

Part Name	Part Number	Approved Replacement for Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Rotor-Turbine	RD1003885-1	1003885-1	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 614101 <u>Rev:</u> A <u>Date:</u> 3/16/09 or later FAA-approved revisions	Bombardier Inc. Embraer	DHC-8-400 Series EMB 135BJ,LR, KE,ER,KL EMB 145,-145EP, MP,XR,MR,LR,ER
Rotor-Compressor	RD821162-1	821162-1	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 614102 <u>Rev:</u> A <u>Date:</u> 4/6/09 or later FAA-approved revisions	Bombardier Inc.	DHC-8-400 Series
Fan-Cooling	RD821155-1	821155-1	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 614103 <u>Rev:</u> A <u>Date:</u> 3/23/09 or later FAA-approved revisions	Bombardier Inc.	DHC-8-400 Series
Shaft	RD806263-1	806263-1	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 614104 <u>Rev:</u> A <u>Date:</u> 3/18/09 or later FAA-approved revisions	Bombardier Inc. Embraer	DHC-8-400 Series EMB 135BJ,LR, KE,ER,KL EMB 145,-145EP, MP,XR,MR,LR,ER
Shaft-Air Bearing	RD821164-1	821164-1	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 614105 <u>Rev:</u> A <u>Date:</u> 4/7/09 or later FAA-approved revisions	Bombardier Inc.	DHC-8-400 Series

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Rod-Tie	RD806262-1	806262-1	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 614106 <u>Rev:</u> A <u>Date:</u> 3/17/09 or later FAA-approved revisions	Bombardier Inc. Embraer	DHC-8-400 Series EMB 135BJ,LR,KE,ER,KL EMB 145,-145EP,MP,XR,MR,LR,ER
Diffuser-Compressor	RD821153-1	821153-1	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 614107 <u>Rev:</u> A <u>Date:</u> 4/2/09 or later FAA-approved revisions	Bombardier Inc.	DHC-8-400 Series
Bearing-Thrust -CW	RD1006918-1	1006918-1	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 614108 <u>Rev:</u> A <u>Date:</u> 4/7/09 or later FAA-approved revisions	Bombardier Inc. Embraer	DHC-8-400 Series EMB 135BJ,LR,KE,ER,KL EMB 145,-145EP,MP,XR,MR,LR,ER
Bearing-Thrust-CCW	RD1006919-1	1006919-1	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 614109 <u>Rev:</u> A <u>Date:</u> 4/7/09 or later FAA-approved revisions	Bombardier Inc. Embraer	DHC-8-400 Series EMB 135BJ,LR,KE,ER,KL EMB 145,-145EP,MP,XR,MR,LR,ER
Nozzle-Turbine	RD821160-2	821160-2	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 614114 <u>Rev:</u> A <u>Date:</u> 3/27/09 or later FAA-approved revisions	Bombardier Inc.	DHC-8-400 Series

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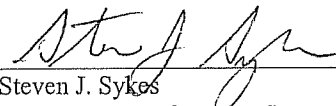
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Part Name	Part Number	Approved Replacement for Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Plate-Seal	RD811462-2	811462-2	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 614115 <u>Rev:</u> A <u>Date:</u> 4/8/09 or later FAA approved revision	Bombardier Inc. Embraer	DHC-8-400 Series EMB-135BJ,LR, KE,ER,KL EMB-145,-145EP, MP,XR,MR,LR,ER
Nozzle-Shroud	RD821159-1	821159-1	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 614127 <u>Rev:</u> A <u>Date:</u> 3/20/09 or later FAA approved revision	Bombardier Inc.	DHC-8-400 Series
Assembly-Journal Bearing	RD1007002-1	1007002-1	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 614129 <u>Rev:</u> A <u>Date:</u> 4/10/09 or later FAA approved revision	Bombardier Inc. Embraer	DHC-8-400 Series EMB-135BJ,LR, KE,ER,KL EMB-145,-145EP, MP,XR,MR,LR,ER

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


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