

**FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL**

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


PMA NO. PQ109NE  
 SUPPLEMENT NO. 23  
 DATE 1/23/2013

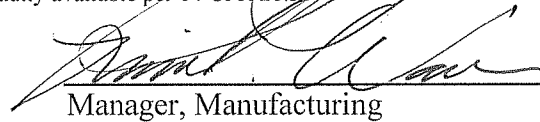
Part Name	Part Number	Approved Replacement for Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
WHEEL - TURBINE	RD586172-1	586172-1	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 602101, <u>Rev:</u> A <u>Date:</u> 8/20/12 or later FAA-approved revisions	Bombardier Hawker Beechcraft Embraer Socata KAI	CL-600, -601, -604 Beechjet 400, 400A EMB- 120, ER, FC, QC, RT TMB 700-A, 700-B KT-1
IMPELLER - COMPRESSOR	RD582275-2	582275-2	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 602102, <u>Rev:</u> A <u>Date:</u> 8/15/12 or later FAA-approved revisions	Bombardier Hawker Beechcraft Embraer Socata KAI	CL-600, -601, -604 Beechjet 400, 400A EMB-120, ER, FC, QC, RT TMB 700-A, 700-B KT-1
SHAFT ASSEMBLY	RD582653-2	582653-2	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 602103, <u>Rev:</u> A <u>Date:</u> 8/17/12 or later FAA-approved revisions	Bombardier Hawker Beechcraft Embraer Socata ATR KAI	CL-600,- 601, -604 Beechjet 400, 400A EMB-120, ER, FC, QC, RT TMB 700-A, 700-B ATR42-200,-300,-320,-500 KT-1
BEARING SET - JOURNAL	RD2207003-1	2207003-1	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 602104, <u>Rev:</u> A <u>Date:</u> 8/15/12 or later FAA-approved revisions	Bombardier Hawker Beechcraft KAI	CL-600, -601, -604 Beechjet 400, 400A KT-1
BEARING SET - JOURNAL	RD2207075-2	2207075-2	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 602105, <u>Rev:</u> A <u>Date:</u> 8/15/12 or later FAA-approved revisions	Bombardier Hawker Beechcraft Socata KAI	CL-600, -601,- 604 Beechjet 400, 400A TMB 700-A, 700-B KT-1
BEARING THRUST - MATCHED SET	RD586187-1	586187-1	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 602106, <u>Rev:</u> A <u>Date:</u> 8/03/12 or later FAA-approved revisions	Bombardier Hawker Beechcraft Embraer Socata ATR ATR KAI	CL-600, 601, 604 Beechjet 400, 400A EMB-120, ER, FC, QC, RT TMB 700-A, 700-B ATR42-200,-300,-320,-500 ATR72-201,-202,-211,-212 KT-1
BEARING THRUST - MATCHED SET	RD586187-2	586187-2	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 602107, <u>Rev:</u> A <u>Date:</u> 8/03/12 or later FAA-approved revisions	Bombardier Hawker Beechcraft Embraer Socata ATR ATR KAI	CL-600, -601, -604 Beechjet 400, 400A EMB-120, ER, FC, QC, RT TMB 700-A, 700-B ATR42-200,-300,-320,-500 ATR72-201,-202,-211,-212 KT-1
RING - TURBINE NOZZLE	RD586173-1	586173-1	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 602108, <u>Rev:</u> A <u>Date:</u> 8/24/12 or later FAA-approved revisions	Bombardier Hawker Beechcraft Embraer KAI	CL-600, 601, 604 Beechjet 400, 400A EMB-120, ER, FC, QC, RT KT-1
SEAL - SHAFT	RD582374-1	582374-1	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 602109, <u>Rev:</u> A <u>Date:</u> 8/24/12 or later FAA-approved revisions	Bombardier Hawker Beechcraft Embraer ATR KAI	CL-600, -601,-604 Beechjet 400, 400A EMB-120, ER, FC, QC, RT ATR42-200,-300,-320,-500 KT-1

COVER	RD582287-3	582287-3	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 602113, <u>Rev:</u> B <u>Date:</u> 11/15/12 or later FAA-approved revisions	Bombardier Hawker Beechcraft Embraer ATR KAI	CL-600, 601, 604 Beechjet 400, 400A EMB-120, ER, FC, QC, RT ATR42-200,-300,-320,-500 KT-1
COVER ASSY-THRUST BRG	RD582287-4	582287-4	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 602114, <u>Rev:</u> A <u>Date:</u> 11/15/12 or later FAA-approved revisions	Bombardier Hawker Beechcraft Embraer ATR KAI	CL-600, -601, -604 Beechjet 400, 400A EMB-120, ER, FC, QC, RT ATR42-200,-300,-320,-500 KT-1
SEAL - SHAFT	RD582375-1	582375-1	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 602110, <u>Rev:</u> A <u>Date:</u> 8/24/12 or later FAA-approved revisions	Bombardier Hawker Beechcraft Embraer Socata ATR KAI	CL-600, -601, -604 Beechjet 400, 400A EMB-120, ER, FC, QC, RT TMB 700-A, 700-B ATR42-200,-300,-320,-500 KT-1
PLATE	RD582379-5	582379-5	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 602112, <u>Rev:</u> A <u>Date:</u> 8/24/12 or later FAA-approved revisions	Bombardier Hawker Beechcraft Embraer Socata ATR KAI	CL-600,- 601,- 604 Beechjet 400, 400A EMB-120, ER, FC, QC, RT TMB 700-A, 700-B ATR42-200,-300,-320,-500 KT-1
SEAL ASSY-TURBINE	RD582379-4	582379-4	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 602115, <u>Rev:</u> A <u>Date:</u> 11/15/12 or later FAA-approved revisions	Bombardier Hawker Beechcraft Embraer Socata ATR KAI	CL-600, -601, -604 Beechjet 400, 400A EMB-120, ER, FC, QC, RT TMB 700-A, 700-B ATR42-200,-300,-320,-500 KT-1
RETAINER - SPACER	RD582296-1	582296-1	Test and Computations per 14 CFR § 21.303, <u>DWG No:</u> 602111, <u>Rev:</u> A <u>Date:</u> 8/24/12 or later FAA-approved revisions	Bombardier Hawker Beechcraft Socata KAI	CL-600, -601, -604 Beechjet 400, 400A TMB 700-A, 700-B KT-1

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 the 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.

  
 FCR-Manager, Aircraft  
 Certification Office

  
 Manager, Manufacturing  
 Inspection District Office