



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

Engine and Propeller Directorate

Manufacturing Inspection District Office, 41
Building 85-214 Bradley International Airport
Windsor Locks, CT 06096
TEL: 860-654-1090
FAX: 860-654-1089

January 4, 2010

R & D Dynamics, Inc.
15 Barber Pond 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 computation submitted by R & D Dynamics, Inc., with your letter dated December 18, 2009, 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 fabrication inspection system required by § 21.303(h) at 15 Barber Pond Road, Bloomfield, Connecticut. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement parts listed in the enclosed Supplement No. 21.

You are reminded that the provisions of 14 CFR, Parts 21 and 45, noted in our PMA letter of approval dated May 12, 1999, also apply to the enclosed PMA Listing-Supplement No. 21. 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 black ink, appearing to read "Steven J. Sykes".

Steven J. Sykes, Manager
Windsor Locks Manufacturing Inspection District Office

Enclosure:
PMA Listing-Supplement No. 21

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

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

PMA NO. PQ1092NE
 SUPPLEMENT NO. : 21
 DATE : January 4, 2010

Part Name	Part Number	Approved Replacement for Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Seal-Oil	RD203478-1	203478-1	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 603202 <u>Rev:</u> A <u>Date:</u> 2/17/09 or later FAA-approved revisions	Fokker	F.28 Mark 0070, 0100, 1000,2000,3000,4000
Fan Wheel-Cooling Turbine	RD203707-1	203707-1	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 603203 <u>Rev:</u> A <u>Date:</u> 1/26/09 or later FAA-approved revisions	Fokker	F.28 Mark 0070, 0100, 1000,2000,3000,4000
Seal-Turbine Wheel Air	RD203479	203479	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 603204 <u>Rev:</u> B <u>Date:</u> 3/11/09 or later FAA-approved revisions	Fokker	F.28 Mark 0070, 0100, 1000,2000,3000,4000
Matched Set-Wheel	RD203339-2	203339-2	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 603205 <u>Rev:</u> A <u>Date:</u> 4/29/09 or later FAA-approved revisions	Fokker	F.28 Mark 0070, 0100, 1000,2000,3000,4000
Slinger-Air	RD801543-1	801543-1	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 603206 <u>Rev:</u> A <u>Date:</u> 2/27/09 or later FAA-approved revisions	Fokker	F.28 Mark 0070, 0100, 1000,2000,3000,4000

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Part Name	Part Number	Approved Replacement for Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Washer-Turbine Wheel Thrust	RD203118-3	203118-3	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 603207 <u>Rev:</u> A <u>Date:</u> 2/4/09 or later FAA-approved revisions	Fokker	F.28 Mark 0070, 0100, 1000,2000,3000,4000
Slinger-Oil	RD202363-1	202363-1	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 603208 <u>Rev:</u> A <u>Date:</u> 2/6/09 or later FAA-approved revisions	Fokker	F.28 Mark 0070, 0100, 1000,2000,3000,4000
Shaft Assy-Turbine	RD202945-14	202945-14	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 603209 <u>Rev:</u> A <u>Date:</u> 2/25/09 or later FAA-approved revisions	Fokker	F.28 Mark 0070, 0100, 1000,2000,3000,4000
Slinger-Oil	RD203385-3	203385-3	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 603210 <u>Rev:</u> A <u>Date:</u> 2/13/09 or later FAA-approved revisions	Fokker	F.28 Mark 0070, 0100, 1000,2000,3000,4000

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Part Name	Part Number	Approved Replacement for Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bearing-Annular Ball	RD203235	203235	Test and Computations per 14 CFR § 21.303 <u>DWG No:</u> 603211 <u>Rev:</u> A <u>Date:</u> 2/11/09 or later FAA approved revision	Fokker	F.28 Mark 0070, 0100, 1000,2000,3000,4000
				Boeing	727-200 737-200,-300,-400,-500
				McDonnell Douglas	DC-9-11,-12,-13,-14,-15,-15F,-21,-31,-32,-32F,-33F,-34,-34F,-41,-51,-81,-82,-83,-87 MD-88,MD-90-30

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.



 Robert G. Mann
 Manager, Boston Aircraft Certification Office
 ANE-150



 Steven J. Sykes
 Manager, Manufacturing Inspection
 District Office, NE-MIDO-41