



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

Manufacturing Inspection District Office, 42
Building 85-214 Bradley International Airport
Windsor Locks, CT 06096
TEL: 860-654-1090
FAX: 860-654-1089

July 12, 2000

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

ATTN: Eugene F. Sullivan, Program Manager


FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

In accordance with the provisions of 14 CFR Part 21, Subpart K, the FAA has found that the design data, based on test and computations, submitted by R&D Dynamics Corporation, with letters dated September 3, 1999, November 15, 1999 and June 22, 2000, meets the airworthiness requirements of the Federal Aviation Regulations applicable to the product(s) on which the part(s) are to be installed. Additionally, it has been determined that R&D Dynamics Corporation, has established the fabrication inspection system required by Part 21 § 21.303(h), at 15 Barber Pond Road, Bloomfield, CT 06002.

Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement part(s) listed in the enclosed Supplements No. 2, amendment 1, 3 and 4, in conformity with the enclosed FAA-approved design data. Any subsequent changes to these design data must be approved in a manner acceptable to the FAA.

You are reminded that provisions of the Federal Aviation Regulations, noted in our PMA letter of May 12, 1999, also apply to the enclosed PMA Listing-Supplements No. 2, amendment 1, 3 and 4.

Sincerely,


Francis A. Pavara
Manager, ANE-MIDO-42

Enclosure

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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

PMA No. PQ1092NE
SUPPLEMENT NO. 2 Amendment 1
DATE July 12, 2000

Part Name	Part Number	Approved Replacement for Allied Signal Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Bearing	RD203235	203235	Identity per 14 CFR § 21.303 <u>DWG No: 603110</u> <u>Rev: A</u> <u>Date: 8/20/98</u>	Boeing Fokker	727-200 737-200 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, F.28 Mark 0070, 0100, 1000, 2000, 3000, 4000

-----End of Listing-----

NOTE: Minor design changes (reference 14 CFR part 21 §§ 21.93 and 21.95) must be submitted in a manner as determined by the ACO. Major design changes (reference 14 CFR part 21 §§ 21.93 and 21.97) to drawings and specifications are to be handled in the same manner as that for an original FAA-PMA.

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

Francis A. Favara
Francis A. Favara
Manager, Manufacturing
Inspection District Office, NE-MIDO-42

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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

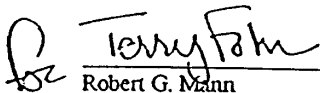
PMA No. PQ1092NE
SUPPLEMENT NO. 3
DATE July 12, 2000

Part Name	Part Number	Approved Replacement for Allied Signal Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Turbine Wheel	RD202892	202892	Test and computation per 14 CFR § 21.303 DWG No: 603101 Rev: D Date: 2/14/00	Boeing	727-100,-200 737-200,-300,-400,-500
Turbine Exducer	RD203095	203095	Test and computation per 14 CFR § 21.303 DWG No: 603102 Rev: D Date: 2/4/00	Boeing	727-100,-200 737-200,-300,-400,-500
Turbine Assembly	RD202909	202909	Test and computation per 14 CFR § 21.303 DWG No: 603104 Rev: B Date: 2/23/00	Boeing	727-100,-200 737-200,-300,-400,-500
Washer	RD203177-4	203177-4	Test and computation per 14 CFR § 21.303 DWG No: 603118-4 Rev: B Date: 2/11/00	Boeing	727-100,-200 737,-200,-300,-400,-500
Impeller	RD203697-1	203697-1	Test and computation per 14 CFR § 21.303 DWG No: 603103 Rev: E Date: 2/14/00	Boeing	727-100,-200 737,-200,-300,-400,-500 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
Shaft Assembly	RD202945-2	202945-2	Test and computation per 14 CFR § 21.303 DWG No: 603105 Rev: B Date: 1/11/00	Boeing	727-100,-200 737,-200,-300,-400,-500 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

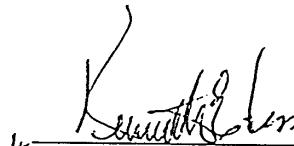
Part Name	Part Number	Approved Replacement for Allied Signal Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Mount-Bearing	RD203777-1	203777-1	Test and computation per 14 CFR § 21.303 DWG No: 603109 Rev: B Date: 12/21/99	Boeing	727-100,-200 737,-200,-300,-400,-500 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

-----End of Listing-----

NOTE: Minor design changes (reference 14 CFR part 21 §§ 21.93 and 21.95) must be submitted in a manner as determined by the ACO. Major design changes (reference 14 CFR part 21 §§ 21.93 and 21.97) to drawings and specifications are to be handled in the same manner as that for an original FAA-PMA.



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



Francis A. Favara
Manager, Manufacturing
Inspection District Office, NE-MIDO-42

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

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

PMA No. PQ1092NE
SUPPLEMENT NO. 4
DATE July 12, 2000


Part Name	Part Number	Approved Replacement for Hamilton Sunstrand Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Turbine Rotor	RD753307-3	753307-3	Test and computation per 14 CFR § 21.303 <u>DWG No: 605101</u> <u>Rev: B</u> <u>Date: 3/8/2000</u>	Boeing	747-100, -200,-300
Compressor Rotor	RD753303-4	753303-4	Test and computation per 14 CFR § 21.303 <u>DWG No: 605102</u> <u>Rev: B</u> <u>Date: 3/9/2000</u>	Boeing	747-100, -200,-300
Fan	RD753317-1	753317-1	Test and computation per 14 CFR § 21.303 <u>DWG No: 605103</u> <u>Rev: B</u> <u>Date: 3/15/2000</u>	Boeing	747-100, -200,-300
Shaft Drive	RD730573-1	730573-1	Test and computation per 14 CFR § 21.303 <u>DWG No: 605104</u> <u>Rev: A</u> <u>Date: 7/2/99</u>	Boeing	747-100, -200,-300

-----End of Listing-----

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Robert G. Mann
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