



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  
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December 14, 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 August 17, 2000 and September 3, 1999, 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. 5 and 6, 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. 5 and 6.

Sincerely,

  
/s/ Francis A. Favara  
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. 5  
DATE DEC 14 2000

Part Name	Part Number	Approved Replacement for Allied Signal Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Wheel-Turbine	RD203832-1	203832-1	Test and computation per 14 CFR § 21.303 DWG No: 604101 Rev: A Date: 3/31/00	Boeing	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
Washer-Turbine Wheel Thrust	RD203177-1	203177-1	Test and computation per 14 CFR § 21.303 DWG No: 604102 Rev: A Date: 2/29/00	Boeing	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.

*for* Terry Fane  
Robert G. Mann  
Manager, Boston  
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. 6  
DATE DEC 14 2000

Part Name	Part Number	Approved Replacement for Allied Signal Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Impeller-Axial	RD2204084-1	2204084-1	Test and computation per 14 CFR § 21.303 <u>DWG No:</u> 601103 <u>Rev:</u> C <u>Date:</u> 11/22/99	Boeing	757-200 767-200,-300
Wheel-Turbine	RD2204082-1	2204082-1	Test and computation per 14 CFR § 21.303 <u>DWG No:</u> 601104 <u>Rev:</u> C <u>Date:</u> 3/16/00	Boeing	757-200 767-200,-300
Impeller-Compressor	RD2205639-2	2205639-2	Test and computation per 14 CFR § 21.303 <u>DWG No:</u> 601105 <u>Rev:</u> C <u>Date:</u> 3/14/00	Boeing	757-200 767-200,-300
Seal-Compressor	RD2205438-2	2205438-2	Test and computation per 14 CFR § 21.303 <u>DWG No:</u> 601114 <u>Rev:</u> B <u>Date:</u> 3/3/00	Boeing	757-200 767-200,-300

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

PMA No. PQ1092NE  
SUPPLEMENT NO. 6  
DATE December 14, 2000

Part Name	Part Number	Approved Replacement for Allied Signal Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Seal	RD2204088-3	2204088-3	Test and computation per 14 CFR § 21.303 <u>DWG No:</u> 601115 <u>Rev:</u> B <u>Date:</u> 3/3/00	Boeing	757-200 767-200,-300

-----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.

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

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