



U.S. Department
of Transportation
Federal Aviation
Administration

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

May 12, 1999

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

ATTN: Mr. Giri Agrawal, President

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

In accordance with the provisions of 14 CFR Part 21, Subpart K, the Federal Aviation Administration (FAA) has found that the design data, as submitted by R&D Dynamics Corporation, (hereinafter referred to as "the Manufacturer") on February 19, 1998, meets the airworthiness requirements of the Federal Aviation Regulations applicable to the product(s) on which the part(s) is to be installed. Additionally, the FAA has determined that the manufacturer, 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 to the manufacturer, to produce the replacement part(s) (or modification part(s), as applicable) listed in the enclosed supplement(s) in conformity with the FAA-approved design data. Any subsequent changes to this design data must be approved in a manner acceptable to the FAA.

The following terms and conditions are applicable to this approval:

1. The manufacturer's fabrication inspection system, methods, procedures and manufacturing facilities, including suppliers, are subject to FAA surveillance or investigations. Accordingly, the manufacturer must advise their suppliers that their facilities are also subject to FAA surveillance and investigation.
2. The manufacturer must notify our district office, FAA Manufacturing Inspection District Office-41, Building 85-214, Bradley International Airport, Windsor Locks, CT 06096 in writing within ten (10) days from the date the manufacturing facilities at which parts are manufactured are relocated or expanded to include additional facilities at other locations. This requirement also applies to the manufacturer's suppliers, but only those who

have been delegated major inspection authorization and those who furnish parts or related services where a determination as to safety and conformance to the approved design cannot or will not be made upon receipt at the approved receiving facility.

3. The manufacturer must make available to FAA upon request, any pertinent information concerning their suppliers who furnish parts/services, including:

- a. A description of the part or service;
- b. Where and by whom the part or service will undergo inspection;
- c. Any delegation of inspection duties;
- d. Any delegation of materials review authority;
- e. Name and title of FAA contact at the supplier facility;
- f. The inspection procedures required to be implemented;
- g. Any direct shipment authority;
- h. Results of the manufacturer's evaluation, audit, and/or surveillance of their suppliers;
- i. The purchase/work order number (or equivalent);
- j. Any feedback relative to service difficulties originating at the manufacturer's suppliers.

4. Parts, appliances, or manufacturing services furnished by any suppliers located in a foreign country may not be used in the production of any part or appliance listed in the enclosed supplement unless:

- a. That part or service can and will be completely inspected for conformity at the manufacturer's U.S. facility; or
- b. The FAA has determined that the location of the foreign supplier facility places no undue burden on the FAA in administering applicable airworthiness requirements. When the use of such foreign suppliers are contemplated, the manufacturer must advise the FAA at least ten (10) days in advance to allow the FAA to make this determination; or

c. The parts/services furnished by the foreign supplier are produced under the "components" provisions of U.S. bilateral airworthiness agreements, and approved for import to the U.S. in accordance with Part 21, § 21.502.

5. Parts produced under the terms of this approval must be permanently marked with the identification information as required by 14 CFR Part 45 § 45.15, i.e., with the letters "FAA-PMA", the name, trademark, or symbol of the company, the part number, and the name and model designation of each type certificated product on which the part is eligible for installation.

Alternate means of identification, if the part is too small or if it is otherwise impractical to mark, must be approved by the FAA.

6. This approval is not transferable and it may be withdrawn for any reason which would preclude its issuance; or at any time that the FAA finds that the fabrication inspection system is not being maintained; or if unsafe or nonconforming parts are accepted under the fabrication inspection system.

7. Our district office must be notified within 10 days from the date that the address shown in this approval has been changed.

8. The manufacturer must maintain their fabrication inspection system in continuous compliance with the requirements of Part 21 § 21.303(h), and ensure that each part conforms with the approved design data and is safe for installation on type certificated products.

9. The manufacturer is eligible for the appointment of qualified individuals in their employ to represent the FAA as Designated Manufacturing Inspection Representatives (DMIRs) or Organization Designated Airworthiness Representatives (ODARs) for the purpose of issuing Export Airworthiness Approvals for Class II and Class III products.

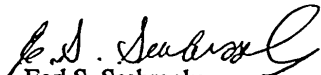
10. The manufacturer shall report to our district office in a timely manner, information concerning service difficulties on any part produced under this approval, in addition to any failures, malfunctions, and defects required to be reported in accordance with Part 21 § 21.3.

11. All technical data required by Part 21 § 21.303(c)(3), for the parts to be produced under this approval, must be readily available to the FAA at the facility at which the parts are being produced.

12. The manufacturer shall notify our district office immediately in writing of any changes to the Fabrication Inspection System that may affect the inspection, conformity, or airworthiness of the parts approved in this letter.

13. The manufacturer shall produce all parts in accordance with R&D Dynamics Quality Control Manual, RDD 1100, dated, April 26, 1999, which has been presented as evidence of compliance with Part 21 § 21.303(h). Accordingly, any revisions to these data must be submitted for approval by this office prior to implementation.

Sincerely,


Earl S. Seabrooks
Manager, ANE-MIDO-41

Enclosure:
Parts Manufacturer Approval Listing -
Supplement No. 1

CC: AFS-613

PARTS MANUFACTURER APPROVAL LISTING - SUPPLEMENT NO. 1
PARTS MANUFACTURER APPROVAL NO. PQ1092NE

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

R&D DYNAMICS CORPORATION
 15 Barber Pond Road
 Bloomfield, CT 06002

FAA-Approved Design Data	Approved Replacement For Allied Signal	FAA Design Approval Means	Installation Eligibility
Part Name: Tie Rod P/N: RD2204087-1 Drawing No. 601101 Rev: D Date: 4/30/98	P/N 2204087-1	Test and Computation per 14 CFR § 21.303	Boeing Aircraft 757-200 767-200, -300
Part Name: Shaft Turbine P/N: RD2206106-1 Drawing No. 601102 Rev: B Date: 8/3/98	P/N 2206106-1	Test and Computation per 14 CFR § 21.303	Boeing Aircraft 757-200 767-200, -300
Part Name: Shaft Fan P/N: RD2204086-1 Drawing No. 601110 Rev: B Date: 8/3/98	P/N 2204086-1	Test and Computation per 14 CFR § 21.303	Boeing Aircraft 757-200 767-200, -300
Part Name: Bearing Set Thrust CW P/N: RD2207126-3 Drawing No. 601106 Rev: A Date: 2/18/98	P/N 2207126-3	Test and Computation per 14 CFR § 21.303	Boeing Aircraft 757-200 767-200, -300
Part Name: Bearing Set Thrust-CCW P/N: RD2207126-4 Drawing No. 601107 Rev: A Date: 2/8/98	P/N 2207126-4	Test and Computation per 14 CFR § 21.303	Boeing Aircraft 757-200 767-200, -300

FAA-Approved Design Data	Approved Replacement For Allied Signal	FAA Design Approval Means	Installation Eligibility
Part Name: Bearing Set Journal P/N: RD2207054-1 Drawing No. 601108 Rev: A Date: 2/18/98	P/N 2207054-1	Test and Computation per 14 CFR § 21.303	Boeing Aircraft 757-200 767-200, -300

-----END LISTING-----

NOTE: Minor design changes (reference 14 CFR part 21 §§ 21.93 and 21.95) must be submitted to the ACO at regular intervals and 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 should be handled in the same manner as that for an original FAA-PMA.

for Terry Fom

Ronald Vavruska
Manager
Manufacturing Inspection Office ANE-180