



U.S. Department  
of Transportation

Federal Aviation  
Administration

January 8, 2001

Small Airplane Directorate  
Atlanta Manufacturing Inspection  
District Office  
One Crown Center, Suite 475  
1895 Phoenix Blvd  
Atlanta, Georgia 30349

PQ1682CE

Precision Manufacturing Associates, Inc.  
P.O. Box 190  
401 Century Court  
Piney Flats, TN 37686

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

In accordance with provisions of 14 CFR part 21, Subpart K, the FAA has found that the design data, as submitted by Precision Manufacturing Associates, Inc. on December 19, 2001 meets the airworthiness requirements of the Federal Aviation Regulations applicable to the product(s) on which the part(s) are to be installed. Additionally, the FAA has determined that Precision Manufacturing Associates, Inc. has established the fabrication inspection system required by part 21 § 21.303(h) at P.O. Box 190, 401 Century Court, Piney Flats, TN. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted to Precision Manufacturing Associates, Inc. to produce the replacement parts listed in the enclosed supplement in conformity with the FAA-approved design data. Any subsequent changes to these design data must be approved in a manner acceptable to the FAA.

The following terms and conditions are applicable to this approval:

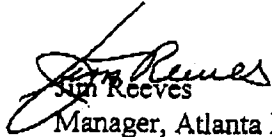
1. Precision Manufacturing Associates, Inc. fabrication inspection system, methods, procedures and manufacturing facilities, including your suppliers, is subject to FAA surveillance or investigation. Accordingly, Precision Manufacturing Associates, Inc. must advise their suppliers that their facilities are also subject to FAA surveillance and investigation.
2. Precision Manufacturing Associates, Inc. must notify our district office, 1895 Phoenix Blvd., Suite 475, Atlanta, GA. 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 Precision Manufacturing Associates, Inc. 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. Precision Manufacturing Associates, Inc. must make available to the FAA, upon request, any pertinent information concerning their suppliers who furnish parts/services, including:

- a. A description of the part or service;
  - b. Where any 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 Precision Manufacturing Associates, Inc. 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 Precision Manufacturing Associates, Inc. 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(s) unless:
- a. That part or service can and will be completely inspected for conformity at Precision Manufacturing Associates, Inc., 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 supplier is contemplated, Precision Manufacturing Associates, Inc. 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 the 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, trade mark, 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. In the case of a part based on an STC, the identification of installation-eligible type certificated products must include reference to the STC on the shipping document. If a PMA is granted for an assembly, detail parts of the assembly sold separately must also be marked in accordance with the requirements of part 45 § 45.15 and reference the assembly PMA part number on the shipping document.
6. This approval is not transferable and it may be withdrawn for any reason which would preclude its issuance; or 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. Precision Manufacturing Associates, Inc. must maintain the 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. Precision Manufacturing Associates, Inc. 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 III products.
10. Precision Manufacturing Associates, Inc. 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. Precision Manufacturing Associates, Inc. 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. Precision Manufacturing Associates, Inc. shall produce all parts in accordance with Precision Manufacturing Associates, Inc. Quality Control Manual, Revision N/C, dated August 10, 2001, 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.

Should you have any questions regarding this matter, you may wish to direct them to this office at telephone (770) 703-6100.



Jim Reeves

Manager, Atlanta Manufacturing  
Inspection District Office

Enclosure

PARTS MANUFACTURER APPROVAL NO. PQ1682CE  
PRODUCTION APPROVAL LISTING- SUPPLEMENT NO. 1

DATED JANUARY 7, 2002

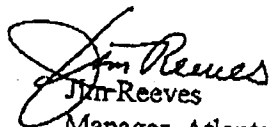
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<u>Part Name</u>	<u>Part Number</u>	<u>Approved Re-placement for Part Number</u>	<u>Approval Basis And Approved Design Data</u>	<u>Make Eligibility</u>	<u>Model Eligibility</u>
Coupling Turbine Shaft	PMA72104-1	Pratt & Whitney P/N 801744	Test and Computations per 14 CFR § 21.303(c)4 DWG. No. PMA72104, Rev. N/A, Dated: 5/29/01 or Later FAA Approval	Pratt & Whitney	JT8D-209, -217, -217A, -217C, and -219 Series Engines

-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.

  
Jim Reeves  
Manager, Atlanta Manufacturing  
Inspection District Office