



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

NORTHWEST MOUNTAIN REGION  
LOS ANGELES AIRCRAFT CERTIFICATION OFFICE  
4344 DONALD DOUGLAS DRIVE - ANM-180L  
LONG BEACH, CALIFORNIA 90808

March 25, 1987

HTL Division, Pacific Scientific  
1800 Highland Avenue  
Duarte, CA 91010

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

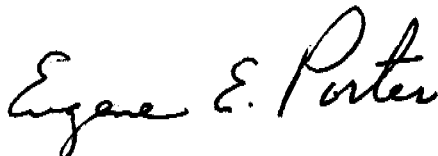
The FAA has determined that HTL Division, Pacific Scientific has established the fabrication inspection system required by Federal Aviation Regulation (FAR) 21.303(h) at 1800 Highland Avenue, Duarte, California 91010. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted to HTL Division, Pacific Scientific to produce the replacement/modification parts as applicable, and listed in the enclosed supplement(s) 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. The fabrication inspection system, methods, procedures, and manufacturing facilities covered by this approval, including the quality control system and data used at the manufacturing facilities of your suppliers, are subject to FAA surveillance or investigations. Accordingly, you must advise your suppliers that their facilities are also subject to FAA surveillance and investigation.
2. THIS OFFICE must be notified in writing within 10 days from the date the manufacturing facilities producing parts under this approval are relocated or expanded to include additional facilities at other locations. This requirement also applies to suppliers 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. Upon request, you must make available to the FAA any pertinent information concerning 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. The inspection procedures required to be implemented;
  - f. Any direct shipment authority;
  - g. Results of your evaluation, audit, and/or surveillance of your suppliers;
  - h. The purchase/work order number (or equivalent); and
  - i. Any feedback relative to service difficulties originating at suppliers.
4. Parts or services furnished by any suppliers located in a foreign country may not be used in the production of any part listed in the enclosed supplement unless:
- a. That part or service can and will be completely inspected for conformity at your 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, you must advise the FAA at least 10 days in advance to allow the FAA time to make this determination; or
  - c. The parts/services furnished by the foreign supplier are produced under the "components" provisions of the U.S. airworthiness bilateral agreements, and approved for import to the U.S. in accordance with FAR 21.502.
5. Parts produced under the terms of this approval must be marked with the identification information as required by FAR 45.15.
6. This approval is not transferable to another person or location and it may be withdrawn for any reason which would preclude its issuance.
7. The fabrication inspection system covered by this approval must be maintained in continuous compliance with the requirements of FAR 21.303(h) and ensure that each part conforms with the approved design data and is safe for installation on type certificated products.
8. The holder of a parts manufacturer approval is eligible for the appointment of qualified individuals in his employ to represent the FAA as Designated Manufacturing Inspection Representatives (DMIR) for the purpose of issuing Export Airworthiness Approvals for Class II and Class III products.

9. Any failure, malfunction, or defect on any part produced under this approval shall be reported to the FAA in accordance with FAR 21.3.
10. All technical data required by FAR 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 produced.
11. Our District Office shall be notified immediately in writing of any changes to the fabrication inspection system that may affect the inspection, conformity or airworthiness of the parts covered by this approval.
12. All parts shall be produced in accordance with Quality Assurance Manual, Revision "J" dated March 2, 1987, which has been presented as evidence of compliance with FAR 21.303(h). Accordingly, any revisions to this data must be submitted for approval by our district office prior to implementation.



Eugene E. Porter  
Manager, Manufacturing Inspection Branch

Enclosure:  
Parts Manufacturer Approval Listing - Supplement No. 1



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

**Los Angeles - Manufacturing  
Inspection District Office**  
3960 Paramount Boulevard  
Lakewood California 90712-4137

April 25, 2005

Pacific Scientific  
Attn: Brian Adams, QA Mgr.  
1800 Highland Avenue  
Duarte, CA 91010

**NOTIFICATION OF QUALITY CONTROL DATA STATUS**

*We have completed our review and evaluation of your Quality Control document/changes to the  Policy;  Procedure;  Manual; thereof. Your submitted data is approved or disapproved as indicated below. The Federal Aviation Administration reserves the right to require changes, additions, or clarification's necessary as a result of subsequent inspections and evaluations.*

*This notification should remain on file as evidence of Federal Aviation Administration approval of your quality document.*

*Document Name: Quality Assurance Policy Manual*

*Document Number:*

*Revision Number: Rev H, dated 6/3/02*

*Date: 9/01/03*

*Approved:*

*Disapproval:*

*Comments:*

*[Signature]*  
\_\_\_\_\_  
FAA Aviation Safety Inspector

*4/25/05*  
\_\_\_\_\_  
Approval Date

**h. Life Management Program** is an FAA approved program established by the applicant to assure the continued airworthiness of a life limited part.

**i. Manufacturing Inspection District Office (MIDO)** is the field element (of the FAA Aircraft Certification Service) with geographic responsibility for the area in which the PMA applicant's fabrication inspection system is located. In some geographic areas, a Manufacturing Inspection Satellite Office (MISO) will perform these functions. The location, addresses, and geographic areas of responsibility of the individual MIDO/MISO's are in appendix 2, List of FAA Manufacturing Inspection District/Satellite Offices.

**j. Certificating MIDO** is the MIDO which issued approval or has oversight responsibility for the production of the product/appliance on which the PMA applicant's part is eligible for installation.

**k. Production Approval Holder (PAH)** is the holder of a Production Certificate (PC), Approved Production Inspection System (APIS), PMA, or TSOA who controls the design and quality of a product or part thereof.

**l. Product** is an aircraft, aircraft engine, or propeller (part 21 § 21.1(b)).

**m. Standard Part** is an item manufactured in complete compliance with an established U.S. government or industry-accepted specification which includes design, manufacturing, and uniform identification requirements. The specification must include all information necessary to produce and conform the part. The specification must be published so that any party may manufacture the part. Examples include, but are not limited to, National Aerospace Standards (NAS), Air Force-Navy Aeronautical Standard (AN), Society of Automotive Engineers (SAE), SAE Aerospace Standard (AS), Military Standard (MS), etc.

**n. Supplier** any person who furnishes parts or related services (at any tier) to the manufacturer of a product or part thereof.