



U.S. Department
of Transportation

**Federal Aviation
Administration**

Small Airplane Directorate
Manufacturing Inspection District Office
6020 28th Avenue South, Room 103
Minneapolis, Minnesota 55450-2700

April 14, 2005

Aero Fabricators, Inc.
1216 North Road
Lyons, Wisconsin 53148

Supersedes: PMA Letter dated January 21, 1988

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 Aero Fabricators, Inc., (hereinafter referred to as "the manufacturer") meets the airworthiness requirements of the Code of Federal Regulations applicable to the product(s) on which the part(s) is/are to be installed. Additionally, the FAA has determined that Aero Fabricators, Inc., has established the fabrication inspection system required by Title 14 of the Code of Federal Regulations (14 CFR) Part 21, Section 21.303(h), at 1216 North Road, Lyons, Wisconsin. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted to the manufacturer, to produce the replacement parts (or modification parts, as applicable) listed in Supplement Numbers 1 through 75, and subsequently issued supplements 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 manufacturer's fabrication inspection system, methods, procedures and manufacturing facilities, including suppliers, are subject to FAA surveillance and/or investigation. Accordingly, the manufacturer must advise their suppliers that their facilities are also subject to FAA surveillance and/or investigation.

2. The manufacturer must notify the Minneapolis Manufacturing Inspection District Office (MIDO), in writing within (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 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 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 evaluations, audits, 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(s) unless:

a. The 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 is contemplated, the manufacturer, must advise the Minneapolis MIDO 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 14 CFR Part 21, section 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, section 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. 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 accompanied by a shipping document containing the information required by Part 45, section 45.15 and reference the assembly PMA part number.

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. The Minneapolis MIDO must be notified within ten (10) days from the date that the address shown in this approval has been changed.

8. The manufacturer must maintain the fabrication inspection system in continuous compliance with the requirements of 14 CFR Part 21, section 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 Authorized Representatives under an Organization Designated Airworthiness Representative (ODAR), for the purpose of issuing Export Airworthiness Approvals for Class II and Class III products.

10. The manufacturer shall report to the Minneapolis MIDO 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 14 CFR Part 21, section 21.3.

11. All technical data required by 14 CFR Part 21, section 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 the Minneapolis MIDO 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 parts in accordance with the manufacturer's Quality Control Manual, Rev. 2, dated March 10, 2005, which has been presented as evidence of compliance with 14 CFR Part 21, section 21.303(h). Accordingly, any revisions to these data must be submitted for approval by the Minneapolis MIDO prior to implementation.

14. Design changes (reference 14 CFR Part 21, sections 21.93, 21.95, and 21.97) to these parts should be submitted to the appropriate FAA Aircraft Certification Office at regular intervals. If there are minor changes to the design data, they should be submitted every six months (unless provided a written alternative by the ACO) and accompanied by one copy of the top assembly drawings, explanation of the minor changes, and the change in aircraft eligibility, if affected. Major changes should be handled in the same manner, however they should be submitted and FAA approved prior to production.



Richard P. Warren
Manager, Minneapolis MIDO