



U.S. Department
of Transportation

**Federal Aviation
Administration**

Southwest Region
Rotorcraft Directorate

Manufacturing Inspection District Office
2601 Meacham Blvd., SW MIDO-42
Ft. Worth, Texas 76137-4298

February 26, 2007

Mr. John Walker
Manager
Quality Harness and Cable Assembly
4902 Thorncliffe Drive
Arlington, TX 76016

Dear Mr. Walker: PMA NO: PQ1050SW

This is in response to your letter dated January 9, 2007, regarding application for Federal Aviation Administration Parts Manufacturer Approval (FAA-PMA).

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

We found the design of your product meets the regulatory requirements for airworthiness applicable to the eligible products listed in the attached supplement. Also, per Title 14, Code of Federal Regulations (14 CFR), part 21 § 21.303(h), we found you have the required fabrication inspection system at your 4902 Thorncliffe Drive address in Arlington, Texas. Accordingly, we grant you parts manufacturer approval (PMA) to produce the replacement parts listed in the enclosed supplement. These parts must conform to the approved designs. Report any future minor changes in the part designs to us in an agreed upon manner and timeframe. However, we must approve any changes to critical or life-limited parts or any major design changes before you can implement them.

The following terms and conditions are applicable to this approval:

1. The manufacturer's Fabrication Inspection System, methods, procedures and manufacturing facilities, including suppliers, is 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 the FAA Fort Worth Manufacturing Inspection District Office located at 2601 Meacham Boulevard, Fort Worth, Texas, telephone number (817) 222-5819; 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 safety and conformance determination to the approved design cannot or will not be made upon receipt at the approved receiving facility.

3. Upon request, the manufacturer must make available to FAA any pertinent information concerning their suppliers who furnish parts/services. This includes:

- 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) and;
- 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. The manufacturer must advise the FAA at least 10 days in advance. When the use of such foreign suppliers are contemplated. This allows 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. They are also approved for import to the U.S. according to part 21 § 21.502.

5. Permanently mark parts produced under the terms of this approval with the identification information as required by part 45 § 45.15. Use 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. If the part is too small or impractical to mark, the FAA must approve alternate means of identification. For a part based on an STC, the identification of installation-eligible type-certificated products must refer to the STC on the shipping document. Reference the assembly PMA part number on the shipping document.

6. This approval is not transferable and it may be withdrawn for any reason that precludes its issuance or whenever the FAA finds that the Fabrication Inspection System is not being maintained. A withdrawal may occur 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 of the address change in this approval.
8. The manufacturer must maintain their fabrication inspection system in continuous compliance with the requirements of part 21 § 21.303(h). The manufacturer must also ensure that each part conforms to 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). The DMIRs and ODARs can issue Export Airworthiness Approvals for Class II and Class III products.
10. The manufacturer shall report information concerning service difficulties on any part produced under this approval to our district office in a timely manner. The manufacturer should also report any failures, malfunctions, and defects that require reporting under 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 where 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 QHCA Fabrication Inspection Manual, Rev -, dated 9/22/06, 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,



Vaughn N. Schmitt
Manager, Manufacturing Inspection District Office

Enclosure:
Parts Manufacturer Approval Supplement Number 1