



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

May 24, 2016

Mr. Lukas Stutzer
ABI, LLC.
P.O. Box 670989
Chugiak, Alaska 99567

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Dear Mr. Stutzer:

In accordance with the provisions of Title 14, Code of Federal Regulations (14 CFR), part 21, Certification Procedures for Products, Articles, and Parts, subpart K, the FAA has found that the design data, based on Test and Computation, with your letter dated May 23, 2016, meet the airworthiness requirements of the regulations applicable to the products on which the articles are to be installed. Additionally, the FAA has determined that ABI, LLC, has established the quality system required by § 21.307 at 20130 Birchwood Loop Spur, Chugiak, Alaska. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement articles listed in the enclosed Supplement No. 5, dated May 24, 2016.

You are reminded that the provisions of 14 CFR, parts 21 and 45, noted in our PMA letter of approval, dated March 25, 2014, also apply to the enclosed PMA Listing - Supplement No. 5. The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the articles concerned.

Sincerely,

Timothy L. Bonderer
Manager, Minneapolis MIDO

Enclosure: PMA Supplement No. 5



U.S. Department of Transportation

Federal Aviation Administration

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

ABI, LLC
20130 Birchwood Loop Spur
Chugiak, Alaska 99657

PMA No. PQ4204CE
Supplement No. 5
Dated: MAY 24 2016

Page 1 of 1

Table with 6 columns: Article Name, Article Number, Approved Replacement for Article Number, Approval Basis and Approved Design Data, Make Eligibility, Model Eligibility. Row 1: Tailwheel Spring Assembly, ABI-4000, Tailwheel Spring Assembly (Tailwheel Spring P/N 4004/5/6; Bracket P/N 4003), Test and Computations per 14 CFR § 21.303, Maule Aerospace Technology, Inc., Bee Dee M-4, M-4, M-4C, M-4S, M-4T, M-4-180C, M-4-180S, M-4-180T, M-4-210, M-4-210C, M-4-210S, M-4-210T, M-4-220, M-4-220C, M-4-220S, M-4-220T, M-5-180C, M-5-200, M-5-210C, M-5-210TC, M-5-220C, M-5-235C, M-6-180, M-6-235, M-7-235, M-7-235A, M-7-235B, M-7-235C, M-7-260, M-7-260C, M-7-420A, M-7-420AC, MX-7-160, MX-7-160C, MX-7-180, MX-7-180A, MX-7-180B, MX-7-180C, MX-7-180AC, MX-7-235, MX-7-420, M-8-235

-----END OF LISTING-----

NOTE 1: Provide minor design changes in a manner as determined by the ACO. Process major design changes to drawings and specifications in the same manner as that for an original FAA-PMA.

NOTE 2: The FAA approved ICA for the above articles with their designs. These ICA may refer to those of the respective articles from the holders of type certificates. Otherwise, provide supplemental ICA for differences in the replacement articles. Make referral statements or supplemental ICA readily available per 14 CFR 21.50.

Signature of August A. Asay

August A. Asay ← for
Manager, Anchorage Aircraft Certification Office

Signature of Timothy L. Bonderer

Timothy L. Bonderer
Manager, Minneapolis Manufacturing Inspection
District Office