



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

August 28, 2014

Mr. Jamison Peters
ABI, LLC
P.O. Box 670989
20130 Birchwood Loop Spur Road
Chugiak, Alaska 99567

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Dear Mr. Peters:

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 based on design approval letter dated August 14, 2014, with your letter dated August 18, 2014, 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 Road, Chugiak, Alaska. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement articles listed in the enclosed Supplement No. 4, dated August 28, 2014.

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. 4. 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. 4



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ABI LLC
20130 Birchwood Loop Spur
Chugiak, Alaska 99567

PMA No. PQ4204CE
Supplement No. 04
Dated: AUG 28 2014

Article Name	Part Number	Approved Replacement for Part Number	Approval Basis and Approved Design Data	Make Eligibility:	Model Eligibility:
Wheel & Brake Kit 1.5" Axle, 3 bolt	ABI-199-62	199-62	Test and Computations per 14 CFR §21.303, <u>Master Drawing List No:</u> ABI-199-62-MDL, <u>Rev:</u> D <u>Date:</u> 11/19/2013*	Cessna	180, 180A, 180B, 180C, 180D, 180E, 180F, 180G, 180H, 180J, 180K, 185, 185A, 185B, 185C, 185D, 185E, 206, P206, U206, U206F, U206G, TU206E, TU206F, TU206G
Wheel & Brake kit 1.5" Axle, 6 bolt	ABI-199-62A	199-62A	Test and Computations per 14 CFR §21.303, <u>Master Drawing List No:</u> ABI-199-62A-MDL, <u>Rev:</u> E <u>Date:</u> 07/11/2014*	Cessna	180, 180A, 180B, 180C, 180D, 180E, 180F, 180G, 180H, 180J, 180K, 185, 185A, 185B, 185C, 185D, 185E, 206, P206, U206, U206F, U206G, TU206E, TU206F, TU206G
Wheel & Brake kit 1.25" Axle, 6 bolt	ABI-199-71	199-71	Test and Computations per 14 CFR §21.303, <u>Master Drawing List No:</u> ABI-199-71-MDL, <u>Rev:</u> C <u>Date:</u> 11/06/2013*	FS 2001 Corp. (Piper) FS 2002 Corp. (Piper) FS 2003 Corp. (Piper) Piper Aircraft, Inc.	J5C PA-14 PA-12 J-3, PA-11, PA-15, PA-16, PA-17, PA-18 "150", PA-18A "150", PA-20

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

NOTE 1: (*) Denotes "or later FAA approved revisions"

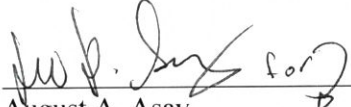
NOTE 2: Provide minor design changes in a manner as determined by the ACO. Handle major design changes to drawings and specifications in the same manner as that for an original FAA-PMA.

ABI LLC
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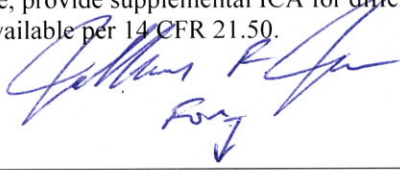
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NOTE 3: The FAA accepted the ICA approach for the above parts with their designs. These ICA may refer to those of the respective parts from the holders of type certificates. Otherwise, provide supplemental ICA for differences in the replacement parts. Make referral statements or supplemental ICA readily available per 14 CFR 21.50.



August A. Asay
Manager, Anchorage Aircraft Certification Office



Timothy L. Bonderer
Manager, Minneapolis Manufacturing Inspection District Office