



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

Aviation Safety

6020 28th Avenue South, Room 103  
Minneapolis, Minnesota 55450-2700

June 27, 2018

Mr. Abraham Harman  
Airframes Alaska  
P.O. Box 670989  
Chugiak, Alaska 99567

FEDERAL AVIATION ADMINISTRATION – PARTS MANUFACTURER APPROVAL

Dear Mr. Harman:

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 STC SA02175AK, with your letter dated June 19, 2018, 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 Airframes Alaska has established the quality system required by § 21.307 at 20130 Birchwood Spur Road, Chugiak, Alaska. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement articles listed in the enclosed Supplement No. 18, dated June 27, 2018.

You are reminded that the provisions of 14 CFR, parts 21 and 45, noted in our PMA letter of approval, dated September 23, 2014, also apply to the enclosed PMA Listing - Supplement No. 18. The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the articles concerned.

Sincerely,

Timothy L. Bonderer  
Aviation Safety  
Manager, MSP/CHI MIDO Section, AIR-891

Enclosure: PMA Supplement No. 18



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## FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

Airframes Alaska  
20130 Birchwood Spur Road  
Chugiak, Alaska 99567

PMA No. PQ3848CE  
Supplement No. 18  
Dated: June 27, 2018

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Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make Eligibility:	Model Eligibility:
Landing Gear Assembly	AF10033X34L	Modification Part	<u>STC</u> : SA02175AK <u>Dwg No</u> : MDL-AI-01-01 <u>Rev</u> : F <u>Date</u> : 3/20/2017 or later FAA-approved revisions	Piper Aircraft, Inc	PA-18, PA-18S, PA-18 "105" (Special), PA-18S "105" (Special), PA-18A, PA-18 "125" (Army L-21A), PA-18S "125", PA-18AS "125", PA-18 "135" (Army L-21B), PA-18A "135", PA-18S "135", PA-18AS "135", PA-18 "150", PA-18A "150", PA-18S "150", PA-18AS "150"
Landing Gear Assembly	AF10033X34R	Modification Part	<u>STC</u> : SA02175AK <u>Dwg No</u> : MDL-AI-01-01 <u>Rev</u> : F <u>Date</u> : 3/20/2017 or later FAA-approved revisions	Piper Aircraft, Inc	PA-18, PA-18S, PA-18 "105" (Special), PA-18S "105" (Special), PA-18A, PA-18 "125" (Army L-21A), PA-18S "125", PA-18AS "125", PA-18 "135" (Army L-21B), PA-18A "135", PA-18S "135", PA-18AS "135", PA-18 "150", PA-18A "150", PA-18S "150", PA-18AS "150"

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make Eligibility:	Model Eligibility:
Landing Gear Assembly	AF10033X35R	Modification Part	STC: SA02175AK Dwg No: MDL-AI-01-01 Rev: F Date: 3/20/2017 or later FAA-approved revisions	Piper Aircraft, Inc	PA-18, PA-18S, PA-18 "105" (Special), PA-18S "105"(Special), PA-18A, PA-18 "125" (Army L-21A), PA-18S"125", PA-18AS"125", PA-18 "135"(Army L-21B), PA-18A "135", PA-18S"135", PA-18AS"135", PA-18 "150", PA-18A "150", PA-18S "150", PA- 18AS"150"
Landing Gear Assembly	AF10033X35L	Modification Part	STC: SA02175AK Dwg No: MDL-AI-01-01 Rev: F Date: 3/20/2017 or later FAA-approved revisions	Piper Aircraft, Inc	PA-18, PA-18S, PA-18 "105" (Special), PA-18S "105"(Special), PA-18A, PA-18 "125" (Army L-21A), PA-18S"125", PA-18AS"125", PA-18 "135"(Army L-21B), PA-18A "135", PA-18S"135", PA-18AS"135", PA-18 "150", PA-18A "150", PA-18S "150", PA- 18AS"150"
Landing Gear Assembly	AF10033X4L	Modification Part	STC: SA02175AK Dwg No: MDL-AI-01-01 Rev: F Date: 3/20/2017 or later FAA-approved revisions	Piper Aircraft, Inc	PA-18, PA-18S, PA-18 "105" (Special), PA-18S "105"(Special), PA-18A, PA-18 "125" (Army L-21A), PA-18S"125", PA-18AS"125", PA-18 "135"(Army L-21B), PA-18A "135", PA-18S"135", PA-18AS"135", PA-18 "150", PA-18A "150", PA-18S "150", PA- 18AS"150"

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make Eligibility:	Model Eligibility:
Landing Gear Assembly	AF10033X4R	Modification Part	<u>STC</u> : SA02175AK <u>Dwg No</u> : MDL-AI-01-01 <u>Rev</u> : F <u>Date</u> : 3/20/2017 or later FAA-approved revisions	Piper Aircraft, Inc	PA-18, PA-18S, PA-18 "105" (Special), PA-18S "105"(Special), PA-18A, PA-18 "125" (Army L-21A), PA-18S"125", PA-18AS"125", PA-18 "135"(Army L-21B), PA-18A "135", PA-18S"135", PA-18AS"135", PA-18 "150", PA-18A "150", PA-18S "150", PA- 18AS"150"
Landing Gear Assembly	AF10033X5L	Modification Part	<u>STC</u> : SA02175AK <u>Dwg No</u> : MDL-AI-01-01 <u>Rev</u> : F <u>Date</u> : 3/20/2017 or later FAA-approved revisions	Piper Aircraft, Inc	PA-18, PA-18S, PA-18 "105" (Special), PA-18S "105"(Special), PA-18A, PA-18 "125" (Army L-21A), PA-18S"125", PA-18AS"125", PA-18 "135"(Army L-21B), PA-18A "135", PA-18S"135", PA-18AS"135", PA-18 "150", PA-18A "150", PA-18S "150", PA- 18AS"150"
Landing Gear Assembly	AF10033X5R	Modification Part	<u>STC</u> : SA02175AK <u>Dwg No</u> : MDL-AI-01-01 <u>Rev</u> : F <u>Date</u> : 3/20/2017 or later FAA-approved revisions	Piper Aircraft, Inc	PA-18, PA-18S, PA-18 "105" (Special), PA-18S "105"(Special), PA-18A, PA-18 "125" (Army L-21A), PA-18S"125", PA-18AS"125", PA-18 "135"(Army L-21B), PA-18A "135", PA-18S"135", PA-18AS"135", PA-18 "150", PA-18A "150", PA-18S "150", PA- 18AS"150"

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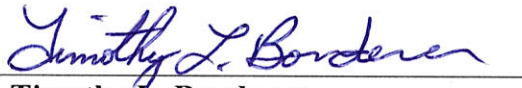
PMA No. PQ3848CE

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Dated: June 27, 2018

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NOTE: The procedures that have been accepted by the type certificate or TSO authorization holder and their cognizant FAA Aircraft Certification Office, for minor changes to original articles used on type-certificated products, are also acceptable for incorporating the same minor changes on identical PMA replacement articles. The PMA holder must be able to show traceability relating to the TC, STC, or TSO authorization holder on all minor changes incorporated by this procedure. When these procedures are no longer applicable because of completion of the production contract, or termination of the licensing agreement or business relationship, all subsequent minor design changes to the PMA articles must be submitted in a manner as determined by the ACO. Major design changes (reference 14 CFR §§ 21.319 and 21.619) to drawings and specifications are to be handled in the same manner as that for an original PMA.



**Timothy L. Bonderer**

**Aviation Safety**

**Manager, MSP/CHI MIDO Section, AIR-891**