



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

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

Northern Airframes, LLC.  
20130 Birchwood Loop Spur  
Chugiak, Alaska 99567

PMA No. PQ3848CE  
Supplement No. 05  
Dated: April 29, 2014

<b>Article Name</b>	<b>Part Number</b>	<b>Approved Replacement for Part Number</b>	<b>Approval Basis and Approved Design Data</b>	<b>Make Eligibility:</b>	<b>Model Eligibility:</b>
Extended Heavy Duty L/H Main Gear Assembly	ABI-4022X-1	Modification Part	STC SA02218SE <u>Dwg No:</u> MDL ABI-4022X <u>Rev:</u> A <u>Date:</u> 2/17/12*	Maule Aerospace Technology, Inc.	Bee Dee M-4, M-4, M-4C, M-4S, M-4T, M-4-180C, M-4-180V, M-4-210, M-4-210C, M-4-220C, 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-7-260, MX-7-160, MX-7-180, MX-7-180A, MX-7-180B, MX-7-235, M-8-235
Extended Heavy Duty R/H Main Gear Assembly	ABI-4022X-2	Modification Part	STC SA02218SE <u>Dwg No:</u> MDL ABI-4022X <u>Rev:</u> A <u>Date:</u> 2/17/12*	Maule Aerospace Technology, Inc.	Bee Dee M-4, M-4, M-4C, M-4S, M-4T, M-4-180C, M-4-180V, M-4-210, M-4-210C, M-4-220C, 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-7-260, MX-7-160, MX-7-180, MX-7-180A, MX-7-180B, MX-7-235, M-8-235

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

April 29, 2014

Mr. Jamison Peters  
Northern Airframes, LLC  
P.O. Box 670989  
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 the design data, submitted by Northern Airframes, LLC, with your letter dated March 12, 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 Northern Airframes, 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. 05, dated April 29, 2014.

You are reminded that the provisions of 14 CFR, parts 21 and 45, noted in our PMA letter of approval, dated March 24, 2008, also apply to the enclosed PMA Listing—Supplement No. 05. The enclosed supplement should be retained with the original PMA letter as evidence of approval to produce the articles concerned.

Sincerely,

A handwritten signature in blue ink that reads "Timothy L. Bonderer".

Timothy L. Bonderer  
Manager, Minneapolis MIDO

Enclosure: PMA Supplement No. 05

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

NOTE 2: 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 parts used on type-certificated products, are also acceptable for incorporating the same minor changes on identical PMA replacement parts. 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) to drawings and specifications are to be handled in the same manner as that for an original

NOTE 3: The FAA approved ICA 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.



**Timothy L. Bonderer**  
**Manager, Minneapolis MIDO**