

United States Of America
Department of Transportation - Federal Aviation Administration

Supplemental Type Certificate

Number SA02502AK

This Certificate issued to Beringer Aero USA, Inc.
PO Box 672358
Chugiak, AK 99567

Certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements Part 3 of the Civil Air Regulations.

Original Product Type Certificate Number: 1A2

Make: Piper Aircraft Co.

Model: PA-18, PA-18S, PA-18 "105", PA-18S "105", PA-18A,
PA-18 "125", PA-18S "125", PA-18AS "125",
PA-18 "135", PA-18A "135", PA-18S "135",
PA-18AS "135", PA-18 "150", PA-18A "150",
PA-18S "150", PA-18AS "150", PA-19 (Army L-18C),
and PA-19S

Description of Type Design Change: Replace main landing gear assembly with Beringer ALG (Alaska Landing Gear) per installation instructions in Maintenance Manual (ICA & II), MM-STC-018, Rev. D, dated July 6, 2018, or later FAA accepted revision. Must install Beringer ALG (Alaska Landing Gear) in accordance with Beringer Aero Master Drawing List DWG-STC-018 Rev. E, dated July 3, 2018, or later FAA approved revisions.

Continued on Page 3.

This certificate and the supporting data, which is the basis for approval, shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: August 9, 2017

Date reissued:

Date of issuance: July 12, 2018

Date amended:



By direction of the Administrator

(Signature)

August A. Asay
Manager, Anchorage ACO Branch

(Title)

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Supplemental Type Certificate

(Continuation Sheet)

Limitations and Conditions:

1. The installer must determine the compatibility of this design change with previously approved modifications.
2. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.
3. Skis are not eligible for installation with the Beringer ALG.
4. The landing gear can accommodate two axle designs:
 - a. 1.5in straight axle. Must use Alaskan Bushwheel part number: ABI-199-62 or ABI-199-62A and Cleveland part number: 199-62 or 199-62A.
 - b. Beringer tapered axle. Must use Beringer wheel RF-15.2 with brake EA-003.2N as defined by ETSO authorization EASA.210.10063244 and install per the associated user manual UM-ETSO-008.
5. Seaplane models are eligible when converted to land plane under separate approval.
6. Instructions for Continued Airworthiness in Maintenance Manual (ICA & II), MM-STC-018, Rev. D, dated July 6, 2018, or later FAA accepted revision, must be followed.
7. STC is compatible with STC SA00997CH which approves a gross weight increase for PA-18 Aircraft.
8. FAA Flight Manual Supplement ALG-AFMS Rev.-, dated: July 10, 2018, or later FAA approved revisions is required.

**FAA APPROVED
AIRPLANE FLIGHT MANUAL SUPPLEMENT
FOR
Alaska Landing Gear
INSTALLED ON A
Piper Model PA-18 Airplane**

Registration Number: _____

Serial Number: _____

This supplement must be attached to the Piper PA-18 FAA Approved Flight Manual when the Alaska Landing Gear is installed in accordance with STC SA02502AK.

The information contained herein supplements or supersedes the information in the basic airplane flight manual. For limitations, procedures and performance information not contained in this supplement, consult the basic airplane flight manual.

ALAN W WILSON Digitally signed by ALAN W
WILSON
Date: 2018.07.10 09:25:03 -08'00'

FAA APPROVED: _____

**Manager, Northwest Flight Test Section, AIR-715
Federal Aviation Administration
Seattle, WA**

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1. GENERAL

No Change

2. LIMITATIONS

No Change

3. EMERGENCY / ABNORMAL PROCEDURES

No Change

4. NORMAL PROCEDURES

No Change

5. PERFORMANCE

Maximum demonstrated crosswind component: 9 Kts.

6. WEIGHT AND BALANCE

No Change