



United States of America  
Department of Transportation  
Federal Aviation Administration

# Supplemental Type Certificate

Number: SA02576AK

This certificate issued to: **ABI, LLC**  
81 East Commercial Drive  
Palmer, AK 99645

Example Only

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 of Part \* of \* Regulations.

Original Product

Make: \*Refer to FAA Approved Model List (AML)

Type Certificate Number:

Number SA02576AK, dated. August 16, 2023,  
Model: or later FAA approved revision, for airplane  
makes and models, corresponding Type  
Certificate numbers, and applicable  
airworthiness regulations.

Description of Type Design Change:

Installation of Cleveland and ABI, LLC Wheel and Brake Kits in accordance with ABI, LLC  
Installation Instructions ABI LLC and Cleveland Wheel and Brake Kits 199-62, 199-62A, and 199-71,  
revision A, dated June 20, 2023, or later FAA approved revisions.

Limitations and Conditions:

- 1) The installer must determine whether the design change is compatible with previously approved modifications.

(Continued on Page 3 of 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: January 6, 2021

Date reissued:

Date of issuance: August 16, 2023

Date amended:

By direction of the Administrator

*August Asay* Digitally signed by  
AUGUST A ASAY  
Date: 2023.08.25  
11:33:33 -08'00'

Signature: \_\_\_\_\_

for Gregory S. DiLibero

Title: Manager, West Certification Branch

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisoned not exceeding 3 years, or both. This certificate may be transferred or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA (Ref. 14 CFR 21.120)



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## Supplemental Type Certificate

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*(Continuation Sheet)*

*Date of application: March 27, 2020*

*Date of issuance: August 16, 2023*

*Date reissued:*

*Date amended:*

*Number: SA02576AK*

*(Continuance from Page 1 of 3)*

- 2) The FAA concurs with the applicant's determination that no Instructions for Continued Airworthiness are required for this STC.
- 3) Maintain the Landing Gear Wheel and Brake Assemblies per the aircraft manufacturer's maintenance instructions.

-----E N D-----

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Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisoned not exceeding 3 years, or both. This certificate may be transferred or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA (Ref. 14 CFR 21.120)

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ABI LLC  
 81 E Commercial Drive  
 Palmer, Alaska 99645

Approved Model List (AML)  
 Number: SA02576AK  
 Date of Issuance: August 16, 2023

Approved Model List for Installation of ABI LLC and Cleveland Landing Gear Wheel and Brake Kits

TCDS HOLDER	MODEL	TCDS NUMBER	CERTIFICATION BASIS	INSTALLATION INSTRUCTIONS	ICA
Piper Aircraft, Inc.	J-3	ATC 660	CAR 4a	Installation Instructions ABI LLC and Cleveland Wheel and Brake Kits 199-62, 199-62A, and 199-71, revision B, dated 8/14/23, or later FAA approved revision	Refer to manufacturer's model PA-18 maintenance instructions
Piper Aircraft, Inc.	J3C-40, J3C-50, J3C-50S, J3C-65, J3C-65S, PA-11, PA-11S	A-691	CAR 4a	Installation Instructions ABI LLC and Cleveland Wheel and Brake Kits 199-62, 199-62A, and 199-71, revision B, dated 8/14/23, or later FAA approved revision	Refer to manufacturer's maintenance instructions
Piper Aircraft, Inc.	J3F-50, J3F-50S, J3F-60, J3F-60S, J3F-65 (Army L-4D), J3F-65S	A-692	CAR 4a	Installation Instructions ABI LLC and Cleveland Wheel and Brake Kits 199-62, 199-62A, and 199-71, revision B, dated 8/14/23, or later FAA approved revision	Refer to manufacturer's maintenance instructions

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FS 2001 Corp.	J5A (Army L-4F), J5A-80, J5B (Army L-4G), J5C	A-725	CAR 4a	Installation Instructions ABI LLC and Cleveland Wheel and Brake Kits 199-62, 199-62A, and 199-71, revision B, dated 8/14/23, or later FAA approved revision	Refer to manufacturer's maintenance instructions
Piper Aircraft, Inc.	PA-15	A-800	CAR 3	Installation Instructions ABI LLC and Cleveland Wheel and Brake Kits 199-62, 199-62A, and 199-71, revision B, dated 8/14/23, or later FAA approved revision	Refer to manufacturer's maintenance instructions
Piper Aircraft, Inc.	PA-16, PA-16S	1A1	CAR 3	Installation Instructions ABI LLC and Cleveland Wheel and Brake Kits 199-62, 199-62A, and 199-71, revision B, dated 8/14/23, or later FAA approved revision	Refer to manufacturer's maintenance instructions
Piper Aircraft, Inc.	PA-17	A-805	CAR 3	Installation Instructions ABI LLC and Cleveland Wheel and Brake Kits 199-62, 199-62A, and 199-71, revision B, dated 8/14/23, or later FAA approved revision	Refer to manufacturer's maintenance instructions

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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", PA-19 (Army L-18C), PA-19S	1A2	CAR 3	Installation Instructions ABI LLC and Cleveland Wheel and Brake Kits 199-62, 199-62A, and 199-71, revision B, dated 8/14/23, or later FAA approved revision	Refer to manufacturer's maintenance instructions
Piper Aircraft, Inc.	PA-18A (Restricted), PA-18A "135" (Restricted), PA-18A "150" (Restricted)	AR-7	CAR 8.10(b)	Installation Instructions ABI LLC and Cleveland Wheel and Brake Kits 199-62, 199-62A, and 199-71, revision B, dated 8/14/23, or later FAA approved revision	Refer to manufacturer's maintenance instructions

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Piper Aircraft, Inc.	PA-20, PA-20S, PA-20 "115", PA-20S "115", Pa-20 "135", PA-20S "135"	1A4	CAR 3	Installation Instructions ABI LLC and Cleveland Wheel and Brake Kits 199-62, 199-62A, and 199-71, revision B, dated 8/14/23, or later FAA approved revision	Refer to manufacturer's maintenance instructions
Piper Aircraft, Inc.	PA-22, PA-22-108, PA-22-135, PA-22S-135, PA-22-150, PA-22S-150, PA-22-160, PA-22S-160	1A6	CAR 3	Installation Instructions ABI LLC and Cleveland Wheel and Brake Kits 199-62, 199-62A, and 199-71, revision B, dated 8/14/23, or later FAA approved revision	Refer to manufacturer's maintenance instructions
FS 2003 Corp.	PA-12, PA-12S	A-780	CAR 3	Installation Instructions ABI LLC and Cleveland Wheel and Brake Kits 199-62, 199-62A, and 199-71, revision B, dated 8/14/23, or later FAA approved revision	Refer to manufacturer's maintenance instructions
FS 2002 Corp.	PA-14	A-797	CAR 3	Installation Instructions ABI LLC and Cleveland Wheel and Brake Kits 199-62, 199-62A, and 199-71, revision B, dated 8/14/23, or later FAA approved revision	Refer to manufacturer's maintenance instructions

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Textron Aviation Inc. (Cessna)	170, 170A, 170B	A-799	CAR 3	Installation Instructions ABI LLC and Cleveland Wheel and Brake Kits 199-62, 199-62A, and 199-71, revision B, dated 8/14/23, or later FAA approved revision	Refer to manufacturer's maintenance instructions
Textron Aviation Inc. (Cessna) See NOTE 1	172, 172A, 172B, 172C, 172D, 172E, 172F (USAF T-41A), 172G, 172H (USAF T-41A), 172I, 172K, 172L, 172M, 172N, 172P, 172Q, 172R, 172S	3A12	CAR 3 or Part 23	Installation Instructions ABI LLC and Cleveland Wheel and Brake Kits 199-62, 199-62A, and 199-71, revision B, dated 8/14/23, or later FAA approved revision	Refer to manufacturer's maintenance instructions
Textron Aviation Inc. (Cessna)	175, 175A, 175B, 175C	3A17	CAR 3	Installation Instructions ABI LLC and Cleveland Wheel and Brake Kits 199-62, 199-62A, and 199-71, revision B, dated 8/14/23, or later FAA approved revision	Refer to manufacturer's maintenance instructions
Textron Aviation, Inc. (Cessna)	180, 180A, 180B, 180C, 180D, 180E, 180F, 180G, 180H, 180J, 180K	5A6	CAR 3	Installation Instructions ABI LLC and Cleveland Wheel and Brake Kits 199-62, 199-62A, and 199-71, revision B, dated 8/14/23, or later FAA approved revision	Refer to manufacturer's maintenance instructions

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Textron Aviation Inc. (Cessna)	182, 182A, 182B, 182C, 182D, 182E, 182F, 182G, 182H, 182J, 182S, 182T, 182K, 182L, 182M, 182N, 182P, 182Q, 182R, T182, T182T	3A13	CAR 3	Installation Instructions ABI LLC and Cleveland Wheel and Brake Kits 199- 62, 199-62A, and 199-71, revision B, dated 8/14/23, or later FAA approved revision	Refer to manufacturer's maintenance instructions
Textron Aviation, Inc. (Cessna)	185, 185A, 185B, 185C, 185D, 185E, A185E, A185F	3A24	CAR 3	Installation Instructions ABI LLC and Cleveland Wheel and Brake Kits 199- 62, 199-62A, and 199-71, revision B, dated 8/14/23, or later FAA approved revision	Refer to manufacturer's maintenance instructions
Textron Aviation Inc. (Cessna)	206, P206, P206A, P206B, P206C, P206D, P206E, U206, U206A, 206H, U206B, U206C, U206D, U206E, U206F, U206G, TP206A, TP206B, TP206C, T206H, TP206D, TP206E, TU206A, TU206B, TU206C, TU206D, TU206E, TU206F, TU206G	A4CE	CAR 3	Installation Instructions ABI LLC and Cleveland Wheel and Brake Kits 199- 62, 199-62A, and 199-71, revision B, dated 8/14/23, or later FAA approved revision	Refer to manufacturer's maintenance instructions



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American Champion (Bellanca) (Champion) (Aeronca)	7AC, 7ACA, S7AC, (L-16A) 7BCM, (L-16B) 7CCM, S7CCM, 7DC, S7DC, 7EC, S7EC, 7ECA, 7FC, 7GC, 7GCA, 7GCAA, 7GCB, 7GCBA, 7GCBC, 7HC, 7JC, 7KC, 7KCAB	A-759	CAR 4a	Installation Instructions ABI LLC and Cleveland Wheel and Brake Kits 199-62, 199-62A, and 199-71, revision B, dated 8/14/23, or later FAA approved revision	Refer to manufacturer's maintenance instructions
American Champion (Bellanca) (Champion)	8GCBC	A21CE	Part 23	Installation Instructions ABI LLC and Cleveland Wheel and Brake Kits 199-62, 199-62A, and 199-71, revision B, dated 8/14/23, or later FAA approved revision	Refer to manufacturer's maintenance instructions
American Champion (Bellanca) (Trytek) (Aeronca) <b>See NOTE 2</b>	11AC, S11AC, 11BC, S11BC	A-761	CAR 4a	Installation Instructions ABI LLC and Cleveland Wheel and Brake Kits 199-62, 199-62A, and 199-71, revision B, dated 8/14/23, or later FAA approved revision	Refer to manufacturer's maintenance instructions

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American Champion (Bellanca) (Trytek) (Aeronca) <b>See NOTE 2</b>	11CC	A-796	CAR 3	Installation Instructions ABI LLC and Cleveland Wheel and Brake Kits 199- 62, 199-62A, and 199-71, revision B, dated 8/14/23, or later FAA approved revision	Refer to manufacturer's maintenance instructions
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Maule	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, MX-7-235, MX-7-180, MX-7-420, MXT-7-180, MT-7-235, M-8-235, MXT-7-160, MX-7-180A, MXT-7-180A, MX-7-180B, M-7-235B, M-7-235A, M-7-235C, MX-7-180C, M-7-260, MT-7-260, M-7-260C, M-7-420AC, MX-7-160C, MX-7-180AC, M-7-420A, MT-7-420, M-4-180V, M-9-235	3A23	CAR 3	Installation Instructions ABI LLC and Cleveland Wheel and Brake Kits 199-62, 199-62A, and 199-71, revision B, dated 8/14/23, or later FAA approved revision	Refer to manufacturer's maintenance instructions
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HELIO	H-250, (USAF U10-D) H-295, (USAF YL-24) H-391, (USAF L-28A or U-10B) H-395, H-395A	1A8	CAR 3	Installation Instructions ABI LLC and Cleveland Wheel and Brake Kits 199-62, 199-62A, and 199-71, revision B, dated 8/14/23, or later FAA approved revision	Refer to manufacturer's maintenance instructions
TOPCUB AIRCRAFT, INC.	CC18-180, CC18-180A	A00006SE	Part 23	Installation Instructions ABI LLC and Cleveland Wheel and Brake Kits 199-62, 199-62A, and 199-71, revision B, dated 8/14/23, or later FAA approved revision	Refer to manufacturer's maintenance instructions
CUB CRAFTERS	CC19-180, CC19-215	A00053SE	Part 23	Installation Instructions ABI LLC and Cleveland Wheel and Brake Kits 199-62, 199-62A, and 199-71, revision B, dated 8/14/23, or later FAA approved revision	Refer to manufacturer's maintenance instructions
Aviat Aircraft, Inc.	A-1, A-1A, A-1B, A-1C-180, A-1C-200	A22NM	Part 23	Installation Instructions ABI LLC and Cleveland Wheel and Brake Kits 199-62, 199-62A, and 199-71, revision B, dated 8/14/23, or later FAA approved revision	Refer to manufacturer's maintenance instructions

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GA8 Airvan (Pty) Ltd	GA8	A00011LA	Part 23	Installation Instructions ABI LLC and Cleveland Wheel and Brake Kits 199-62, 199-62A, and 199-71, revision B, dated 8/14/23, or later FAA approved revision	Refer to manufacturer's maintenance instructions
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**NOTES:**

**NOTE 1: Kits are not compatible with Cessna 172 series with tube gear.**

**NOTE 2: Kits are not compatible with oleo landing gear and 8-hole flange axles. Aircraft originally equipped with oleo gear must have previously installed, or concurrently install STC SA02529AK, including the replacement of the 8-hole flange axles with 6-hole flange axles.**