

Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

Number SA11RM

This certificate, issued to **Univair Aircraft Corporation**

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

Original Product—Type Certificate Number: * See Continuation Sheets for listing of Approved Models,

Make: * Type Certificate Numbers and Airworthiness Requirements.

Model: *

Description of the Type Design Change:

Installation of modified axles, wheels and brakes in accordance with Univair Aircraft Corp. Master Drawing List Bulletin 1011-1, Revision 5, dated June 2, 1997, or later FAA approved revision.

Limitations and Conditions:

1. This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined that the interrelationship between this change and other previously approved modifications will introduce no adverse effect upon the airworthiness of that airplane.
2. A copy of this Certificate must be maintained as part of the permanent records for the modified aircraft.
3. 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.

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: March 21, 1973

Date reissued: July 11, 1981

Date of issuance: May 24, 1973

Date amended: 9/15/75; 10/25/77; 3/13/79
6/5/97; July 13, 1999



By direction of the Administrator

Ronald F. May
Ronald F. May (Signature) Manager
Northwest Mountain Region
Denver Aircraft Certification Office

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

This certificate may be transferred in accordance with FAR 21.47.

Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

Number SA11RM

Approved Model List (Cont.)

<u>Type Certificate Number</u>	<u>Airworthiness Requirements</u>	<u>Piper Model</u>
A-691	CAR Part 4a	J3C-40 J3C-50 J3C-50S J3C-65 (Army L-4, L-4A, L-4B, L-4H, L-4J, Navy NE-1, NE-2) J3C-65S PA-11 PA-11S
A-692	CAR Part 4a	J3F-50 J3F-50S J3F-60 J3F-60S J3F-65 (Army L-4D) J3F-65S
A-698	CAR 4a	J3L J3L-S J3L-65 (Army L-4C) J3L-65S
A-800	CAR Part 3	PA-15
A-805	CAR Part 3	PA-17
1A2	CAR Part 3	PA-18 PA-18S PA-18A PA-18 "105" PA-18S "105" PA-18 "125" (L-21A) PA-18S "125" PA-18AS "125" PA-18 "135" (L-21B) PA-18S "135" PA-18A "135" PA-18AS "135"

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

STC SA11RM

MASTER DRAWING LIST
BULLETIN 1011-1

<u>A/C MAKE</u>	<u>A/C MODEL</u>	<u>TC NO.</u>	<u>I.A.W. LPC DWG.</u>
PIPER	J3C SERIES	A-691	LPC-1009 REV. A 2-21-97
PIPER	J3F SERIES	A-692	LPC-1009 REV. A 2-21-97
PIPER	J3L SERIES	A-698	LPC-1009 REV. A 2-21-97
PIPER	PA-11	A-691	LPC-1009 REV. A 2-21-97
PIPER	PA-18 SERIES	1A2	LPC-1009 REV. A 2-21-97
PIPER	PA-18A SERIES	AR-7	LPC-1009 REV. A 2-21-97
PIPER	PA-12	A-780	LPC-1010, SHT 1 REV. B 2-21-97
PIPER	PA-14	A-797	LPC-1010, SHT 1 REV. B 2-21-97
PIPER	PA-16	1A1	LPC-1010, SHT 1 REV. B 2-21-97
PIPER	PA-20	1A4	LPC-1010, SHT 1 REV. B 2-21-97

<u>A/C MAKE</u>	<u>A/C MODEL</u>	<u>TC NO.</u>	<u>I.A.W. LPC DWG.</u>
PIPER	J3C SERIES	A-691	LPC-1010, SHT 2 REV. C 4.11.06
PIPER	J3F SERIES	A-692	LPC-1010, SHT 2 REV. C 4.11.06
PIPER	J3L SERIES	A-698	LPC-1010, SHT 2 REV. C 4.11.06
PIPER	PA-11	A-691	LPC-1010, SHT 2 REV. C 4.11.06
PIPER	PA-18 SERIES	1A2	LPC-1010, SHT 2 REV. C 4.11.06
PIPER	PA-18A SERIES	AR-7	LPC-1010, SHT 2 REV. C 4.11.06
PIPER	PA-12	A-780	LPC-1010, SHT 2 REV. C 4.11.06
PIPER	PA-14	A-797	LPC-1010, SHT 2 REV. C 4.11.06
PIPER	PA-15	A-800	LPC-1010, SHT 2 REV. C 4.11.06
PIPER	PA-16	1A1	LPC-1010, SHT 2 REV. C 4.11.06
PIPER	PA-17	A-805	LPC-1010, SHT 2 REV. C 4.11.06
PIPER	PA-20 SERIES	1A4	LPC-1010, SHT 2 REV. C 4.11.06

<u>A/C MAKE</u>	<u>A/C MODEL</u>	<u>TC NO.</u>	<u>I.A.W. LPC DWG.</u>
PIPER	J3C SERIES	A-691	LPC-1038 REV. IR 9-4-75
PIPER	J3F SERIES	A-692	LPC-1038 REV. IR 9-4-75
PIPER	J3L SERIES	A-698	LPC-1038 REV. IR 9-4-75
PIPER	PA-11	A-691	LPC-1038 REV. IR 9-4-75
PIPER	PA-18 SERIES	1A2	LPC-1038 REV. IR 9-4-75
PIPER	PA-18A SERIES	AR-7	LPC-1038 REV. IR 9-4-75
PIPER	PA-12	A-780	LPC-1038 REV. IR 9-4-75
PIPER	PA-14	A-797	LPC-1038 REV. IR 9-4-75
PIPER	PA-16	1A1	LPC-1038 REV. IR 9-4-75
PIPER	PA-20 SERIES	1A4	LPC-1038 REV. IR 9-4-75
PIPER	(ALL ABOVE)		BULLETIN 1678 WHEEL AND BRAKE ELIGIBILITY LIST REV. B, 4-11-06

STC SA11RM

INSTALLATION OF MODIFIED AXLES, WHEELS AND BRAKES

PAPERWORK CONTAINS:

FOR LPC-1009 DRAWING (INSTALLATION OF ALTERNATE 1-1/2" AXLE AND CLEVELAND WHEELS AND BRAKES ON J3, PA-11 & PA-18)

- 1 Limited Use Agreement
- 1 STC SA11RM (to be held by Univair until receipt of signed Limited Use Agreement above)
- 1 Master Drawing List Bulletin 1011-1
- 1 Wheel and Brake Eligibility List Bulletin 1678
- 1 Drawing LPC-1009
- 1 Bulletin 1022-1 (by customer request only)
- 1 Drawing LPC-1022 (by customer request only)
- 1 Bulletin 1011 Modification Instructions

FOR LPC-1010 DRAWING (INSTALLATION OF ALTERNATE 1-1/2" AXLE AND CLEVELAND WHEELS AND BRAKES ON PA-12, PA-14, PA-16 & PA-20)

- 1 Limited Use Agreement
- 1 STC SA11RM (to be held by Univair until receipt of signed Limited Use Agreement above)
- 1 Master Drawing List Bulletin 1011-1
- 1 Wheel and Brake Eligibility List Bulletin 1678
- 1 Drawing LPC-1010 Sheet 1
- 1 Bulletin 1011 Modification Instructions

FOR LPC-1038 DRAWING (INSTALLATION OF McCAULEY WHEELS AND BRAKES)

- 1 Limited Use Agreement
- 1 STC SA11RM (to be held by Univair until receipt of signed Limited Use Agreement above)
- 1 Master Drawing List Bulletin 1011-1
- 1 Wheel and Brake Eligibility List Bulletin 1678
- 1 Drawing LPC-1038

FOR LPC-1010 DRAWING (INSTALLATION OF CLEVELAND KIT 199-71 ON ORIGINAL 1-1/4" AXLES)

- 1 Limited Use Agreement
- 1 STC SA11RM (to be held by Univair until receipt of signed Limited Use Agreement above)
- 1 Master Drawing List Bulletin 1011-1
- 1 Wheel and Brake Eligibility List Bulletin 1678
- 1 Drawing LPC-1010 Sheet 2

LIMITED PURPOSE ASSIGNMENT OF RIGHT TO USE SUPPLEMENTAL TYPE CERTIFICATE

The undersigned customer ("CUSTOMER") in consideration of UNIVAIR AIRCRAFT CORPORATION'S ("UNIVAIR") agreement to sell and assign to CUSTOMER the right to use the below referenced Supplemental Type Certificate ("STC") for the limited purpose of modifications on the following aircraft only does hereby agree that said STC may not be further assigned by CUSTOMER nor may said STC be used on any other aircraft by CUSTOMER. CUSTOMER further agrees that the use of the STC shall be in strict compliance therewith.

STC No.: _____

Aircraft Serial Number: _____

Aircraft Make: _____

Aircraft Model: _____

Aircraft T.C. No.: _____

CUSTOMER Name (printed): _____

Address: _____

City/Town: _____ State: _____ Zip: _____

CUSTOMER Signature: _____ Date: _____

The aircraft (or altered aeronautical product) Owner must retain a copy of this Limited Use Agreement with the applicable aircraft (product) records to demonstrate proof of Holder's authorization to use the STC as required by section 403 of the Federal Aviation Authorization Act of 1996.

Any person who alters this form or makes, or causes to be made, a false statement or entry that falsely expresses permission from the Holder of an STC to use that STC, may be in violation of 14 CFR sections 21.2 and/or 43.12. Such violation may lead to suspension or revocation of FAA certificates held by that person.

Authorized UNIVAIR Representative: _____

Order No.: _____ Order Date: _____

Date of Issue: _____

**ONE COPY OF THIS FORM MUST BE COMPLETED AND RETURNED TO RECEIVE THE ACTUAL
SUPPLEMENTAL TYPE CERTIFICATE FORM (STC)**

UNIVAIR AIRCRAFT CORPORATION
2500 Himalaya Rd.
Aurora, Colorado 80011

www.univair.com
Toll Free 888-433-5433
Phone 303-375-8882

info@univair.com
Fax Toll Free 800-457-7811
Fax 303-375-8888

STC SA111RM

WHEEL AND BRAKE ELIGIBILITY LIST BULLETIN 1678 REVISION B, APRIL 11, 2006

CLEVELAND WHEELS AND BRAKES

<u>A/C MODEL</u>	<u>I.A.W. LPC DWG.</u>	<u>WHEEL</u>	<u>BRAKE</u>	<u>TORQUE PLATE</u>	<u>KIT NO.</u>	<u>TIRE SIZE</u>
J3C SERIES	LPC-1009 REV. A 2-21-97	40-84	30-41B	75-29	199-231	6.00X6 7.00X6 8.00X6
J3F SERIES	LPC-1009 REV. A 2-21-97	40-84	30-41B	75-29	199-231	6.00X6 7.00X6 8.00X6
J3L SERIES	LPC-1009 REV. A 2-31-97	40-84	30-41B	75-29	199-231	6.00X6 7.00X6 8.00X6
PA-11 SERIES	LPC-1009 REV. A 2-21-97	40-84	30-41B	75-29	199-231	6.00X6 7.00X6 8.00X6
PA-18 SERIES	LPC-1009 REV. A 2-21-97	40-84	30-41B	75-29	199-231	6.00X6 7.00X6 8.00X6
PA-18 SERIES	LPC-1009 REV. A 2-21-97	40-84	30-41B	75-29	199-231	6.00X6 7.00X6 8.00X6

STC SA11RM

Master Eligibility List Bulletin 1678

Rev. B, April 11, 2006

<u>A/C MODEL</u>	<u>I.A.W. LPC DWG.</u>	<u>WHEEL</u>	<u>BRAKE</u>	<u>TORQUE PLATE</u>	<u>KIT NO.</u>	<u>TIRE</u>
						<u>SIZE</u>
PA-11	LPC-1010, SHT 2 REV. C 4.11.06	40-60	30-60A	75-125	199-71	6.00X6 7.00X6 8.00X6
PA-18 SERIES	LPC-1010, SHT 2 REV. C 4.11.06	40-60	30-60A	75-125	199-71	6.00X6 7.00X6 8.00X6
PA-12	LPC-1010, SHT 2 REV. C 4.11.06	40-60	30-60A	75-125	199-71	6.00X6 7.00X6 8.00X6
PA-14	LPC-1010, SHT 2 REV. C 4.11.06	40-60	30-60A	75-125	199-71	6.00X6 7.00X6 8.00X6
PA-15	LPC-1010, SHT 2 REV. C 4.11.06	40-60	30-60A	75-125	199-71	6.00X6 7.00X6 8.00X6
PA-16	LPC-1010, SHT 2 REV. C 4.11.06	40-60	30-60A	75-125	199-71	6.00X6 7.00X6 8.00X6
PA-17	LPC-1010, SHT 2 REV. C 4.11.06	40-60	30-60A	75-125	199-71	6.00X6 7.00X6 8.00X6
PA-20 SERIES	LPC-1010, SHT 2 REV. C 4.11.06	40-60	30-60A	75-125	199-71	6.00X6 7.00X6 8.00X6

STC SA11RM

Master Eligibility List Bulletin 1678

Rev. B, April 11, 2006

McCAULEY WHEELS AND BRAKES

<u>A/C MODEL</u>	<u>I.A.W. LPC DWG.</u>	<u>WHEEL</u>	<u>BRAKE</u>	<u>TORQUE PLATE</u>	<u>KIT NO.</u>	<u>TIRE SIZE</u>
PA-14	LPC-1038 REV. IR 9-4-75	D-30291	D-30118	B-30278	N/A	6.00X6 7.00X6 8.00X6
PA-16	LPC-1038 REV. IR 9-4-75	D-30291	D-30118	B-30278	N/A	6.00X6 7.00X6 8.00X6
PA-20 SERIES	LPC-1038 REV. IR 9-4-75	D-30291	D-30118	B-30278	N/A	6.00X6 7.00X6 8.00X6

NOTE: THE CLEVELAND WHEEL AND BRAKE INSTALLATIONS SHOWN ABOVE MAY INCORPORATE THE USE OF CLEVELAND P/N 157-009, UNIVAIR P/N U1680-00 OR U1680-02 DUST COVERS.