

United States Of America
Department of Transportation - Federal Aviation Administration
Supplemental Type Certificate

Number SA1614WE

This Certificate issued to Flint Aero, Inc.
1942 Joe Crosson Drive
El Cajon, California 92020-1236

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 3 of the Civil Air Regulations. (See applicable Type Certificate Data Sheet.)

Original Product Type Certificate Number: See Page 3 of this STC

Make: CESSNA

Model: See page 3 of this STC

Description of Type Design Change: Installation of one twelve gallon auxiliary fuel tank in each outboard wing panel in accordance with FAA sealed Flint Aero Master Drawing List No. FA-170, Revision "A", dated January 11, 1983, or later FAA approved revision, or Flint Aero Master Drawing List No. 15171821, Revision "IR", dated May 18, 2006, or later FAA approved revision. Airplane Flight Manual Supplement FTC453.001, Revision Original, dated March 31, 2006 or later FAA approved revision is also required as part of this modification.

Limitations and Conditions: The limitations and conditions of Aircraft Specification A-799, Data Sheet 3A12, 3A17, Data A4EU, or Data Sheet A18EU apply, except as outlined in page 3 of this STC. A copy of this STC must be included in the permanent records of each airplane modification in accordance with this STC. 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: August 22, 1967

Date reissued: Mar. 8, 1976, Mar. 14, 1983,
Feb. 6, 1987, June 15, 1990, Feb. 25, 2000

Date of issuance: February 26, 1968

Date amended: See Page 5 of this STC



By direction of the Administrator

(Signature)

Manager, Airframe Branch
Los Angeles 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.

Supplemental Type Certificate

(Continuation Sheet)

Number SA1614WE

Application: 08/22/67 Issue: 02/26/68 Amendments: See page 5 of this STC
Reissue: 03/08/76, 03/14/83, 02/06/87, 06/15/90, 02/25/2000

Original Product

<u>Type Certificate No.</u>	<u>Models</u>
A-799	170A,170B
3A12	172, 172A, 172B, 172C, 172D, 172E, 172F, 172G, 172H, 172I, 172K, 172L 172M, 172N, 172P, 172Q, 172R, 172S
A4EU	*F172F, F172G, F172H, F172K, F172L, F172M, F172N
A18EU	*FR172E, FR172F, FR172G, FR172H, FR172J, FR172K
3A17	175, 175A, 175B, 175C, R172K, 172RG, R172E

*Reims Aviation S.A. Cessna Models

LIMITATIONS AND CONDITIONS

Fuel Capacity Add "24 gal. (23 gal. useable); two 12 gal. aux. tanks in wings at (+50)"
to quantities shown in applicable Aircraft Specification or Data Sheet.

Placards The following placards are required in the locations noted:

For airplanes with transfer pumps. Display placard on instrument panel
in view of pilot near on/off switch. "Total Aux. Fuel 24 U.S. Gals (23
Gal. useable). Transfer aux. fuel only in level flight when main is half
empty and when main tank is not supplying engine.

Aux. fuel switch must be off during takeoff or landing, filling, and
when empty. For utility category operation, aux. tank fuel switch
must be off and aux. tanks empty.

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**Insert grade number on placards for main tanks.

For early airplanes without transfer pumps. Adjacent to each auxiliary tank shut-off valve: "Aux. fuel 12 U.S. Gal. (11.5 gal useable). Transfer Aux. fuel only in level flight when main tank is not supplying fuel to engine. Aux. valve must be off during takeoff, landing, filling, and when empty." In addition, for models covered by Type Certificates 799 and 3A12 only- "Fuel must be off and auxiliary tanks empty for utility category operations."

For Airplanes without transfer pumps. Adjacent to each auxiliary tank filler: "12 U.S. Gal. **Min. Grade AV. Gasoline. Aux. fuel valve must be off before filling".

Flight Manual

FAA-Approved Flint Aero Airplane Flight Manual Supplement, dated March 24, 1970, is required for models 170A and 170B.

For other models without transfer pumps. FAA-Approved Flint Aero Flight Manual Supplement, dated March 14, 1983, is required.

For Placarded airplanes with transfer pumps. FAA-Approved Flint Aero Supplemental Airplane Flight Manual No. 171, dated August 17, 1988, or later FAA Approved Revisions, is required.

For airplanes with transfer pumps and with FAA Approved Airplane Flight Manuals. FAA-Approved Flint Aero Airplane Flight Manual supplement No. 170, dated August 17, 1988, or later FAA Approved Revisions, is required.

Limitation of Applicability

The approval of this change in type design applies to the basic Cessna 170, 172, 175 series landplanes, skiplanes, and floatplanes of the model shown on page 3 of this STC. This approval should not be extended to other aircraft of these models on which other modifications are incorporated unless it is determined that the interrelationship between this change and any previously approved modifications will introduce no adverse effect on the airworthiness of these aircraft.

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Amendment Dates

1. June 17, 1968
2. March 24, 1970
3. July 29, 1970
4. March 5, 1971
5. June 14, 1971
6. August 7, 1973
7. May 29, 1975
8. March 8, 1976
9. December 3, 1976
10. February 15, 1979
11. June 27, 1980
12. March 20, 1981
13. February 16, 1982, MDL FA170, no revision
14. March 14, 1983, MDL FA170 "A" Rev.
15. August 25, 1988, add R172E
16. February 16, 1993, add Skiplanes
17. May 1, 2006, add 172R and 172S
18. December 6, 2006 add MDL 15171821 Rev "IR"

- END -

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