

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

Number SA1809WE

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: 150 Series - 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-150, "NEW" or later FAA approved revision, or Flint Aero Master Drawing List No. 15171821, Revision "IR", dated May 18, 2006, or later FAA approved revision. For Cessna Models 152 and A152 requiring FAA approved AFM and POH, Flint Aero FAA approved AFM and POH Supplement, dated May 18, 1984 or later FAA approved revisions is required with this installation.

Limitations and Conditions: The limitations and conditions of Data Sheet 3A19 or A13EU, 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 modified 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: September 19, 1968

Date reissued: Mar. 8, 1976, Feb. 6, 1987,
July 13, 1990, Feb. 25, 2000

Date of issuance: October 15, 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 SA1809WE

Application: 09/19/68 Issue: 10/15/68 Amendments: See page 5 of this STC
Reissue: 03/08/76, 02/06/87, 07/13/90, 02/25/2000

Original Product – continued:

<u>Type Certificate No.</u>	<u>Models</u>
3A19	150D, 150E, 150F, 150G, 150H, 150J, 150K, 150L, 150M, A150K, A150L, A150M, 152, A152
A13EU	*F150G, F150H, F150J, F150K, F150L, F150M, *FA150L, FA150M, FRA150L, F152, FA152
	*Reims Aviation S.A. Cessna Models

LIMITATIONS AND CONDITIONS

Fuel Capacity	Add “24 gallons total and (23 gallon useable); two 12 gallon auxiliary tanks in wings at (+44)” to quantities shown in Data Sheet 3A19 or A13EU.
Placards	The following placards are required in the locations noted: Adjacent to each auxiliary tank shut-off valve or switch: <ol style="list-style-type: none">1. For all aircraft – “Auxiliary fuel 12 U.S. Gallon (11.5 gallon useable). Aux. fuel must be off during takeoff, landing, filling and when Aux. is empty.”2. For aircraft with gravity transfer only – “Do not use Aux. until Main tank is approximately one-half (1/2) empty.”3. For aircraft with pump transfer only – “Monitor main fuel tank gauge while transferring Aux. fuel to prevent overfilling.”4. For all aircraft – “Intentional spins prohibited with fuel in Auxiliary tanks.”

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LIMITATIONS AND CONDITIONS – (continued):

5. For Aerobatic Category Models (A150, FA150, A152, FRA150 series, and FA152) only – “Fuel must be off and auxiliary tanks empty for aerobatic maneuvers.”

Adjacent to airspeed indicator: For Acrobatic category Models (A150, A152, FA150, FRA150 series, and FA152) only –
Airspeed limits when auxiliary fuel tanks contain any amount
Of fuel:

Vne (never exceed)	162 MPH (141 Kts)
Vno (max. structural cruise)	120 MPH (104 Kts)
Va (maneuvering)	109 MPH (95 Kts)

Adjacent to each auxiliary fuel tank filler:

For all aircraft – “12 U.S. Gal. **Min. Grade Av. Gasoline
auxiliary fuel valve must be off before filling.”

** Insert grade number shown on placards for main tanks.

Limitation of applicability

The approval of this change in type design applies to the basic Cessna 150 and 152 series noted above. 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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LIMITATIONS AND CONDITIONS – (continued):

Amendment Dates

1. May 27, 1969
2. October 2, 1970
3. October 13, 1970
4. June 14, 1971
5. February 22, 1974
6. March 8, 1976
7. April 20, 1977
8. January 21, 1982
9. May 18, 1984
10. February 16, 2007 add MDL 15171821 Rev “IR”

- END -

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