

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

Number SA3232NM

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 therefor as specified hereon meets the airworthiness requirements of Part 3 of the Civil Air Regulations and Part 23 of the Federal Aviation Regulations. *Certification basis is set forth in Type Certificate Data Sheet A4CE, Revision 37.*

Original Product Type Certificate Number: A4CE

Make: Cessna

Model: U206F, TU206F, U206G, TU206G, 206H, and T206H

Description of Type Design Change:

Installation of 14.9 gallon usable fuel-containing lightning-resistant wing tips in accordance with FAA sealed Flint Aero, Inc. Master Drawing List FALS206, no revision, dated March 4, 1986, or later FAA approved revisions. Increase in the takeoff gross weight from 3,600 to 3,800 pounds for landplane, floatplane, amphibian, and ski plane versions of noted models. FAA Approved Airplane Flight Manual Appendix, FTC934.001, dated July 20, 2004, or FTC168.001, dated July 15, 2009, or later FAA approved revision is required as part of this installation.

Limitations and Conditions: The limitations and conditions of Data Sheet A4CE apply, except as outlined on page 3 of this STC. The installation should not be incorporated in any aircraft unless it is determined that the interrelationship between this installation and any previously approved configuration will not introduce any adverse effect upon the airworthiness of the aircraft. Compatibility of this design change with previously approved modifications must be determined by the installer. The approval of this modification applies to the above noted airplane model series only. 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: January 11, 1986

Date reissued: January 21, 1987; July 13, 1990;
February 25, 2000; September 7, 2000; July 29, 2014

Date of issuance: March 13, 1986

Date amended: December 7, 1987;
September 7, 2000; October 16, 2001;
June 2, 2005; June 29, 2006; July 23, 2009



By direction of the Administrator

(Signature)

Manager, Airframe Branch
Los Angeles Aircraft Certification Office

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

United States Of America
Department of Transportation - Federal Aviation Administration
Supplemental Type Certificate
(Continuation Sheet)

Number SA3232NM

Limitations and Conditions (Continued)

Fuel Capacity: As noted in Type Certificate A4CE for specific model plus two 15 U.S. gallons (14.9 gallons usable) auxiliary wing tip tanks at (+ 53 inches AOD).

Placards: The following placards are required in locations noted:

On instrument panel in clear view of the pilot: "Total wing tip fuel 30 U.S. Gallons (29.8 U.S. Gallons usable). Transfer fuel during level flight. Transfer fuel when main tank contains not less than 5.0 gallons and is at least 15.0 gallons below full. Wing tip fuel switch must be off during takeoff, landing, refueling and when empty. Monitor main fuel tank gauge while transferring wing tip fuel to prevent over filling"

Forward of each auxiliary tank filler: "15 U.S. Gallons (14.9 usable) Jet A. See Pilot's Operating Handbook for anti-ice additive requirements and alternative fuels".

Adjacent to wing tip fuel tank pump switches: "Wing tip fuel tank pump must be off during takeoff, landing, refueling and when empty. Monitor main fuel tank gauge while transferring wing tip fuel to prevent over filling".

At wing tip fuel tank pump switches: "Left (Right) Wing Tip Fuel 15.0 U.S. Gallons. 14.9 Gallons usable. ON. OFF".

Installed adjacent to each fuel leak detection drain hole (3 per side): "Fuel or vapor from drain requires immediate repairs".

Installed adjacent to appropriate wing tip tank pump circuit breakers or fuses: "Tip tank L (R) pump".

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United States Of America
Department of Transportation - Federal Aviation Administration
Supplemental Type Certificate
(Continuation Sheet)

SA3232NM

Limitations and Conditions (Continued)

Gross Weight: 3,800 pounds or 3,600 pounds; see Limitation of Applicability.

Center of Gravity: Center of gravity range, inched aft of datum.

Forward: 33.0 inches aft of datum at 2500 lbs or less, with straight line variation to 44.4 inches aft of datum at 3800 lbs. or 42.5 inches aft of datum at 3600 pounds.

Aft: 49.7 inches aft of datum at all weights.

Reference datum: Front face of lower firewall.

Limitation of Applicability:

The approval of this change in type design applies to the basic Cessna 206 series aircraft of the models shown below:

Cessna TU206G/U206G airplanes U20602589, U20603522 to U20606846, 1985 serial numbers U20606847 to U20606920 and 1986 serial numbers U20606921 to U20607020, and

Cessna 206H airplanes serial numbers 20608001 through 20608059, airplanes serial number 20608092 and subsequent, and serial number 20608060 through 20608091 when Cessna Aircraft Company Accomplishment Instruction A1 206-57-01 is incorporated, and

Cessna T206H airplanes serial numbers T20608001 through T20608100, serial number 20608159 and subsequent, and serial number 20608101 through 20608158 when Cessna Aircraft Company Accomplishment Instruction A1 206-57-01 is incorporated

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United States Of America
Department of Transportation - Federal Aviation Administration
Supplemental Type Certificate
(Continuation Sheet)

SA3232NM

Limitations and Conditions (Continued)

For those Cessna 206H and T206H airplanes listed above for which Cessna Aircraft Company Accomplishment Instruction A1 206-57-01 has not been incorporated, the Maximum Takeoff Gross Weight is limited to 3600 pounds.

Flint Aero, Inc. FAA Approved Airplane Flight Manual Appendix, Report Number FTC934.001, Rev. IR, dated July 20, 2004, or FTC168.001, Rev. IR, dated July 15, 2009, or later FAA approved revisions, is required as part of this installation. It is applicable to the Solyo Corporation Pilot's Operating Handbook Supplement and FAA Approved Airplane Flight Manual for Cessna U and TU 206G and the Solyo Corporation Pilot's Operating Handbook Supplement and FAA Approved Airplane Flight Manual for Cessna T206H/206H, when Flint Aero, Inc. Extended Wing Tip Fuel Tanks have been installed in addition to the Solyo Corporation Turbine Pac (STC SA2353NM).

Note: The modification has been substantiated to be a no acoustic change per 14 CFR § 21.93(b).

A copy of this STC must be included in the permanent records of each airplane modified in accordance with this STC.

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