



Service Bulletin

March 29, 2011

FA2, Rev. 1

Title

SPAR CAP, WING SPLICE AND STRINGER REINFORCEMENT

EFFECTIVITY

The following aircraft modified with Flint Aero, Inc auxiliary wing tip fuel tanks:

<u>Model Series</u>	<u>Year</u>	<u>Serial Numbers</u>
337	1965	333700001-33700239
337A	1966	333700240-33700525
337B	1967	33700526-33700755
337C	1968	33700756-33700978
337D	1969	33700979-33701193
337E	1970	33701194-33701316
T337E	1970	33701194-33701316
337F	1971-1972	33701317-33701462
T337F	1971	33701317-33701398
337G	1972-1977	33701399-33701815*
T337G	1973-1974	P3370001-P3370193*
F337E	1970	F33700001-F33700024
FT337E	1970	F33700001-F33700024
F337F	1971-72	F33700025-F33700055
FT337F	1971	F33700025-F33700045
F337G	1973-1977	F33700056-F33700084*
FT337GP	1973	FP33700001-FP337000023*

* Aircraft without optional 150.6 gallon main tanks only

To obtain satisfactory results, procedures specified in this publication must be accomplished in accordance with accepted methods and prevailing government regulations. Flint Aero, Inc cannot be responsible for the quality of work performed in accomplishing the requirements of this publication.

PURPOSE

Reinforcement of wing structure along rib, spar cap, and selected stringers. Non-compliance with this service bulletin could result in local wrinkling and buckling of the upper wing skin, smoking rivets near the inboard aileron hinge, and possible structural failure of the wing.

COMPLIANCE

Mandatory; shall be accomplished within the next 100 hours of operation or within 12 months, whichever comes first. Additional aircraft limitations on aircraft until this work has been completed are as follows:

At gross weights between 4630 and 4330 pounds, the wing tip fuel tanks must be full. At gross weights between 4330 and 3400 pounds, there must be at least 12 U.S. gallons of fuel in each wing tip tank.

APPROVAL

FAA approval has been obtained on technical data in this publication that affects airplane type design.

MANHOURS

It is estimated that this repair will take approximately 20-30 hours.

MATERIAL

The following parts are available from Flint Aero, Inc

<u>Part Number</u>	<u>Description</u>	<u>Qty/AC</u>
FA337150S-SP	Strap @ WS 150	2
FA337SP-SD	Spar doubler (Foward/Rear)	2
FA337ST-SD	Stringer doubler	6
CR3523-6-02	Cherrymax 3/16" rivet	30
CR3553-5-02	Cherrymax 5/16" rivet	520
MS20615-4M4	1/8" x 0.24" protruding head rivet	42
M220615-4M5	1/8" x 0.28" protruding head rivet	30
MS20615-5M5	5/32" x 0.32" protruding head rivet	60
P/S 870 A-2	Proseal 870 corrosion inhibiting sealant	AR
FA337-FL	Placard	1

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ACCOMPLISHMENT INSTRUCTIONS

Reinforcement accomplishment instructions are attached.

This information shall be considered an amendment to Flint Aero, Inc installation drawings FA337-IN or instructions for continued airworthiness, and must be accomplished for ongoing airworthiness compliance as required per FAR43.13.

OWNER NOTIFICATION

The following Owner Advisory message will be sent to applicable owners of record in FA2.

Dear Owner,

Reinforcement of the splice at WS 150, reinforcement of the front spar cap between WS 162 to WS 192 and 1st, 3rd and 5th stringers from WS 152.25 - WS 177 will be required for certain Cessna 337 Skymasters modified with Flint Aero, Inc auxiliary wing tip fuel tanks. Reinforcements will be external to the upper wing surface. Non-compliance with Service Bulletin FA2 could result in local wrinkling and buckling of the upper wing skin, smoking rivets near the inboard aileron hinge, and possible structural failure of the wing.

Inspection of the wing is required to look for any local wrinkling or buckling of the upper wing skin. Any damage noted should be repaired according to standards set forth in the Cessna Service Manual.

Compliance is mandatory; shall be accomplished within the next 100 hours of operation or within one year. Additional aircraft limitations on aircraft until this work has been completed are as follows:

At gross weights between 4630 and 4330 pounds, the wing tip fuel tanks must be full. At gross weights between 4330 and 3400 pounds, there must be at least 12 U.S. gallons of fuel in each wing tip tank.

This information shall be considered an amendment to Flint Aero, Inc installation drawings FA337-IN or instructions for continued airworthiness, and must be accomplished for ongoing airworthiness compliance as required per FAR43.13.

Please contact Flint Aero, Inc for detailed information and make arrangements to have Service Bulletin FA2 accomplished on your airplane.

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Revision History

Date	Description	Rev.
February 16, 2011	Initial Release	IR
March 29, 2011	Changed temporary placard language	1