

MANDATORY**MEL-54-03****TITLE**

NACELLES/PYLONS - ENGINE NACELLE FITTING REPLACEMENT

EFFECTIVITY

This service document applies to the airplanes that follow and have SK402-47 installed.

MODEL**SERIAL NUMBERS**

402C

402C0001 thru 402C1020 that have SK402-47 - Lower Front Wing Spar Cap Inspection/Modification (Original issue, Revision A or B) installed.

414A

414A0001 thru 414A1212 that have SK402-47 - Lower Front Wing Spar Cap Inspection/Modification (Original issue, Revision A or B) installed.

REASON

Replace nacelle fittings 5292029-9, 10, -11 -12, -21, -22, -23, and -24 Nacelle fittings with higher flight hours can fatigue and crack more easily. An undetected crack can cause the nacelle fitting to break which could result in flight instability.

DESCRIPTION

This service document provides instructions to calculate the flight hours for each 5292029 Nacelle Fitting, determine if the nacelle fitting must be replaced and reference to the maintenance manual for replacement instructions.

COMPLIANCE

MANDATORY. This service document must be accomplished on each nacelle fitting as listed in the table that follows. The Comply with Replacement time for the 5292029 Nacelle Fitting starts accumulating upon receipt of this service document.

The inspections required by MEL-54-02 Rev 3 (or later revision) must continue for each 5292029 Nacelle Fitting until that 5292029 Nacelle Fitting is replaced and this service bulletin is complied with.

NOTE: To find the 5292029 Nacelle Fitting Hours, look in the airplane logbook to find the airplane flight hours for the compliance with Airworthiness Directive (AD) 2005-12-13 with the installation of SK402-47 - Lower Front Wing Spar Cap Inspection/Modification.

Then take the current airplane flight hours and subtract the flight hours when SK402-47 was installed; this is the current hours for the nacelle fittings.

June 26, 2019

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Textron Aviation Customer Service, P.O. Box 7706, Wichita, KS 67277, U.S.A. 1-316-517-5800

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TABLE 2 NACELLE FITTING REPLACEMENT CRITERIA

Part Number	Total Flight Hours on 5292029 Nacelle Fitting	Flight Hours to Comply with 5292029 Nacelle Fitting Replacement
5292029-9, 10, -11 and -12	All Flight Hours	1,000 Flight Hours or 12 Months
5292029-21, -22, 23, and 24	12,000 and more Flight Hours	1,000 Flight Hours or 12 Months
5292029-21, -22, 23, and 24	9,500 - 11,999 Flight Hours	1,400 Flight Hours or 18 Months
5292029-21, -22, 23, and 24	9,499 and less Flight Hours	1,800 Flight Hours or 24 Months

A service document published by Textron Aviation may be recorded as *completed* in an aircraft log only when the following requirements are satisfied:

- 1) The mechanic must complete all of the instructions in the service document, including the intent therein.
- 2) The mechanic must correctly use and install all applicable parts supplied with the service document kit. Only with written authorization from Textron Aviation can substitute parts or rebuilt parts be used to replace new parts.
- 3) The mechanic or airplane owner must use the technical data in the service document only as approved and published.
- 4) The mechanic or airplane owner must apply the information in the service document only to aircraft serial numbers identified in the *Effectivity* section of the document.
- 5) The mechanic or airplane owner must use maintenance practices that are identified as acceptable standard practices in the aviation industry and governmental regulations.

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Textron Aviation is not responsible for the quality of maintenance performed to comply with this document, unless the maintenance is accomplished at a Textron Aviation-owned Service Center.

CONSUMABLE MATERIAL

No specialized consumable materials are required to complete this service document.

TOOLING

No specialized tooling is required to complete this service document.

REFERENCES

Cessna Model 402C (1979-1985) Maintenance Manual

Cessna Model 414/414A (1970-1985) Service Manual

NOTE: To make sure all publications used are complete and current. Refer to www.txtavsupport.com.

MANDATORY**MEL-54-03****PUBLICATIONS AFFECTED**

None

ACCOMPLISHMENT INSTRUCTIONS

- From the airplane logbook, determine the nacelle fitting part numbers and total flight hours.

Table 1 Nacelle Fitting Hours

Nacelle Fitting Part Number	Current Flight Hours (A)	Flight Hours at Time of Install (subtract from current flight hours) (B)	Total Flight Hours on Fitting (A-B)
Left Outboard:			
Left Inboard:			
Right Inboard:			
Right Outboard:			

- (Refer to Table 1.) Use Table 1 and Table 2 and compare the nacelle fitting Total Flight Hours on Fitting to the Nacelle Fitting Replacement Criteria Flight Hours.

Table 2 Nacelle Fitting Replacement Criteria

Part Number	Total Flight Hours on 5292029 Nacelle Fitting	Flight Hours to Comply with 5292029 Nacelle Fitting Replacement
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- Replace the 5292029 Nacelle Fitting when the flight hours or calendar month is reached. (Refer to manuals as follows:)
 - Model 402C Maintenance Manual, Chapter 51, Engine Beam Replacement - Approved Repairs.
 - Model 414/414A Service Manual, Section 16 Structural Repair, Fiberglass Parts / Engine Nacelle, Engine Beam Replacement - Description and Operation.
- Make an entry in the airplane logbook that states compliance and method of compliance with this service document.

MANDATORY**MEL-54-03****MATERIAL INFORMATION**

Order the nacelle fitting that follows as necessary.

NEW P/N	QUAN- TITY	KEY WORD	OLD P/N	INSTRUCTIONS/ DISPOSITION
5292029-29	1	Nacelle Fitting Assembly, Left Inboard	5292029-11, or -21	Discard Old Install New
5292029-30	1	Nacelle Fitting Assembly, Right Inboard	5292029-12, or -22	Discard Old Install New
5292029-31	1	Nacelle Fitting Assembly, Left Outboard	5292029-9, or -23	Discard Old Install New
5292029-32	1	Nacelle Fitting Assembly, Right Outboard	5292029-10, or -24	Discard Old Install New

* Please contact a Textron Aviation Authorized Service Facility for current cost and availability of parts listed in this service document.

TITLE

NACELLES/PYLONS - ENGINE NACELLE FITTING REPLACEMENT

TO:

Cessna Aircraft Model 402C and 414A Owner

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REASON

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MATERIAL AVAILABILITY

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June 26, 2019

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WARRANTY

None

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