

MANDATORY**SEL-71-13****TITLE**

POWER PLANT - ENGINE MOUNT BOLT INSPECTION

EFFECTIVITY**MODEL**

172S

SERIAL NUMBERS172S12413, 172S12420, 172S12422,
172S12424, 172S12425, 172S12427,
172S12429 thru 172S12438, 172S12440,
172S12442, 172S12445, 172S12447 thru
172S12449, 172S12451, 172S12452,
172S12455

The equivalent of this service document has been incorporated on production airplanes 172S12456 and On.

REASON

It was discovered that a the NAS1149F0763P Washer under the nut side of the bolt that installs the engine to the engine mount during the engine build up was not installed.

DESCRIPTION

This service document provides parts and instructions to install the NAS1149F0763P Washer

COMPLIANCE

MANDATORY. This service document must be accomplished at the next 100-hour or 12-month (annual-type) inspection.

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.

No individual or corporate organization other than Textron Aviation is authorized to make or apply any changes to a Textron Aviation-issued service document or flight manual supplement without prior written consent from Textron Aviation.

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.

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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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MANDATORY**SEL-71-13****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

Model 172S Maintenance Manual

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

PUBLICATIONS AFFECTED

None

ACCOMPLISHMENT INSTRUCTIONS

1. Prepare the airplane for maintenance.
 - A. Make sure that the airplane is electrically grounded.
 - B. Make sure that all switches are in the OFF/NORM position.
 - C. Disconnect electrical power from the airplane.
 - (1) Disconnect external electrical power.
 - (2) Disconnect the airplane battery.
 - D. Attach maintenance warning tags to the battery and external power receptacle that have "**DO NOT CONNECT ELECTRICAL POWER - MAINTENANCE IN PROGRESS**" written on them.
2. Remove the upper and lower engine cowl. (Refer the model 172S Maintenance Manual, Chapter 71, Cowl - Maintenance Practices.)
3. Inspect the four engine mount bolts and nuts.
 - A. Make sure the NAS1149F0763P Washer installed under the nut.
 - (1) If there is no washer installed go to Step 4.
 - (2) If the NAS1149F0763P Washers are installed on all engine mounts, the inspection is complete, go to Step 8.
4. Remove the nut on the engine mount that holds the engine to the engine mount. (Refer the model 172S Maintenance Manual, Chapter 71, Engine Mount - Maintenance Practices.)
5. Install the NAS1149F0763P Washer.
6. Install a new MS21044N7 Nut on the engine mount that holds the engine to the engine mount. (Refer the model 172S Maintenance Manual, Chapter 71, Engine Mount - Maintenance Practices.)

CAUTION: Do not remove more than one engine mount nut at a time.
7. Repeat steps 4 thru 6 for each engine mount that is missing a NAS1149F0763P Washer, one at a time.
8. Install the upper and lower engine cowl. (Refer the model 172S Maintenance Manual, Chapter 71, Cowl - Maintenance Practices.)
9. Remove the maintenance warning tags and connect the airplane battery.
10. Make an entry in the airplane logbook that states compliance and method of compliance with this service document.

MANDATORY

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MATERIAL INFORMATION

Order the parts below for each engine mount location that requires a washer.

NEW P/N	QUAN- TITY	KEY WORD	OLD P/N	INSTRUCTIONS/ DISPOSITION
NAS1149F0763P	1	Washer	N/A	Install
MS21044N7	1	Nut	MS21044N7	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

POWER PLANT - ENGINE MOUNT BOLT INSPECTION

TO:

Cessna Model 172S Aircraft Owner

REASON

It was discovered that a the NAS1149F0763P Washer under the nut side of the bolt that installs the engine to the engine mount during the engine build up was not installed.

COMPLIANCE

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LABOR HOURS

For planning purposes only:

WORK PHASE	LABOR-HOURS
Modification	1.5

MATERIAL AVAILABILITY

PART NUMBER	AVAILABILITY	COST
NAS1149F0763P	*	*
MS21044N7	*	*

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

WARRANTY

Eligible airplanes exhibiting conditions described in this service document may demonstrate improved operation by incorporation of the work described herein. This service document is to be accomplished at the *discretion* of the owner. Eligible airplanes may qualify for parts and labor coverage to the extent noted in the *Labor Hours* and *Material Availability* sections of this document.

This service document is *mandatory*. Eligible airplanes may qualify for parts and labor coverage to the extent noted in the *Labor Hours* and *Material Availability* sections of this document.

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Eligibility: Airplanes identified within the serial number effectivity of this service document must have active Airframe warranty coverage on the original issue date of this document and the coverage must be active on the day the work is accomplished.

Parts Coverage: Textron Aviation-owned and Textron Aviation-authorized Service Facilities, operators, or other maintenance facilities may submit a claim for the parts required to accomplish this service document as defined in the *Material Availability* section of this document.

Labor Coverage: Textron Aviation-owned and Textron Aviation-authorized Service Facilities rated to perform maintenance on the specific model of Cessna Aircraft may submit a claim for the labor necessary to accomplish this service document as defined in the *Labor Hours* section of this document.

Credit Application: After this service document has been accomplished, a claim must be submitted to Textron Aviation within 30 days of the service document completion. Claims for compliance of this service document are to be filed as a W4 type claim.

Please submit your claim form online at ww2.txtav.com/Parts or email the completed Textron Aviation Claim Form to warranty@txtav.com. If submitted on-line a Return Authorization will be provided. If a paper claim is submitted your claim will be entered into the system and a Return Authorization will be sent to you.

The Return Authorization must accompany any required return parts (see *Material Availability*), to the point of purchase.

Parts to be returned to Textron Aviation Parts Distribution should be forwarded to:

Textron Aviation Parts Distribution
Warranty Administration
285 South Greenwich Road
Bldg B89, Docks 1-4
Wichita, KS 67206
USA

Expiration: August 31, 2021 (after this date the owner/operator assumes the responsibility for compliance costs)

Textron Aviation reserves the right to void continued airplane warranty coverage for the parts affected by this service document until the service document is accomplished.

NOTE: As a convenience, service documents are now available online to all our customers through a simple, free-of-charge registration process. If you would like to sign up, please visit the Customer Access link at www.txtavsupport.com to register.