

MANDATORY

SEL-79-05

REVISION TRANSMITTAL

This sheet transmits Revision 1 to SEL-79-05, which:

- A. Changes the Compliance from Recommended to Mandatory.
- B. Changes the orientation and location of the union on the illustration.

NOTE: This revision replaces the original issue of SEL-79-05.

REVISION COMPLIANCE

NO EFFECT. Airplanes that have previously completed this service letter are not affected.

LOG OF REVISIONS

Original Issue	October 12, 2023
Revision 1	December 11, 2023

MANDATORY**SEL-79-05****TITLE**

OIL - O-RING INSPECTION AND INSTALLATION FOR OIL PRESSURE TRANSDUCER

EFFECTIVITY

MODEL	SERIAL NUMBERS
172S	172S13004, 172S13006 thru 172S13009, 172S13011, 172S13012, 172S13014, 172S13015, 172S13017, 172S13018, 172S13020 thru 172S13022
182T	18283229, 18283231, 18283232

REASON

The oil pressure transducer may have been installed without O-ring, which may cause oil leak in engine.

DESCRIPTION

This service document provides parts and instructions to remove and replace the O-ring in oil pressure transducer.

COMPLIANCE

MANDATORY. This service document must be accomplished at the next maintenance event or inspection, whichever occurs first.

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.

CONSUMABLE MATERIAL

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

Original Issue - October 12, 2023
Revision 1 - December 11, 2023

SEL-79-05
Page 1 of 4

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MANDATORY**SEL-79-05****TOOLING**

No specialized tooling is required to complete this service document.

REFERENCES

Model 172 (Series 1996 And On) Maintenance Manual

Model 182 (Series 1997 And On) Maintenance Manual

PUBLICATIONS AFFECTED

None

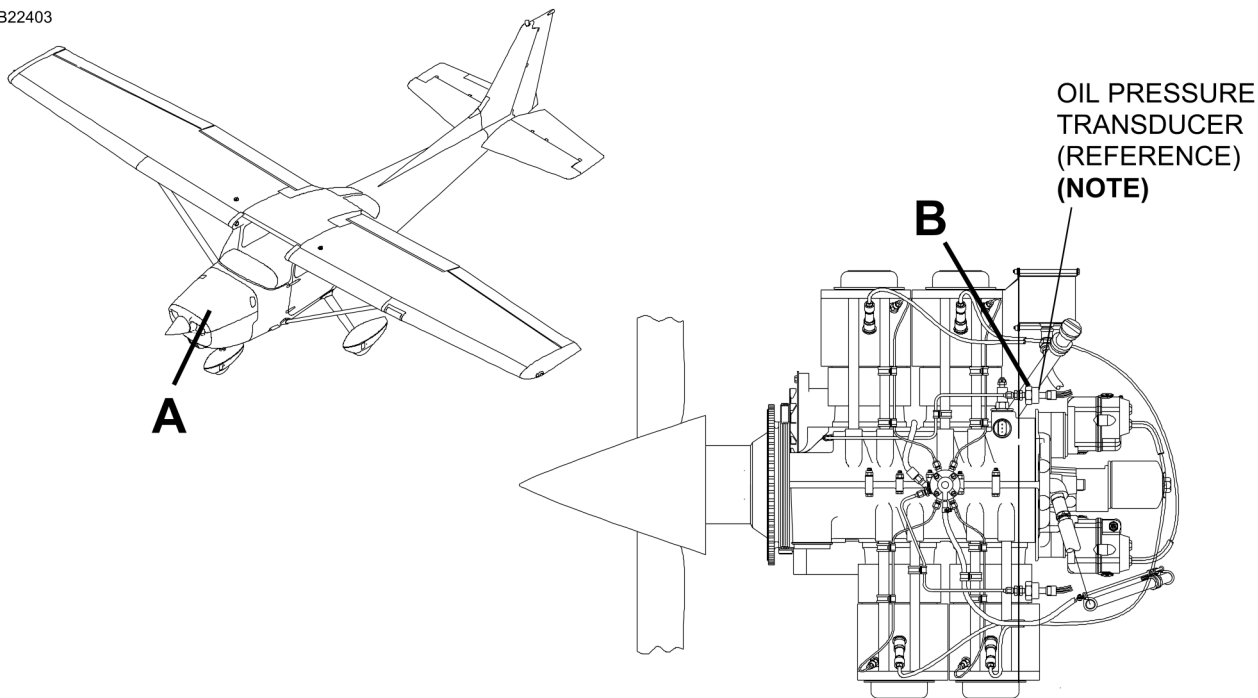
ACCOMPLISHMENT INSTRUCTIONS

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 main 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 upper cowling. (Refer to the applicable Maintenance Manual, Chapter 71, Cowls - Maintenance Practices.)
3. Remove the oil pressure transducer. (Refer to the applicable Maintenance Manual, Chapter 79, Oil Pressure Indicators - Maintenance Practices.)
4. Inspect the oil pressure transducer for the MS28778-3 O-Ring. (Refer to the applicable Maintenance Manual, Chapter 79, Oil Pressure Indicators - Maintenance Practices.)
 - A. If MS28778-3 O-Ring is present, remove and discard the MS28778-3 O-Ring from the oil pressure transducer.
 - (1) Install a new MS28778-3 O-Ring to the oil pressure transducer.
 - B. If MS28778-3 O-Ring is not present, Install a new MS28778-3 O-Ring to the oil pressure transducer. (Refer to the applicable Maintenance Manual, Chapter 79, Oil Pressure Indicators - Maintenance Practices.)
5. Install the oil pressure transducer. (Refer to the applicable Maintenance Manual, Chapter 79, Oil Pressure Indicators - Maintenance Practices.)
6. Complete engine ground run-up and inspect the oil pressure transducer for leaks.
7. Install upper cowling. (Refer to the applicable Maintenance Manual, Chapter 71, Cowls - Maintenance Practices.)
8. Remove the maintenance warning tags and connect the airplane battery.
9. Make an entry in the airplane logbook that states compliance and method of compliance with this service document.

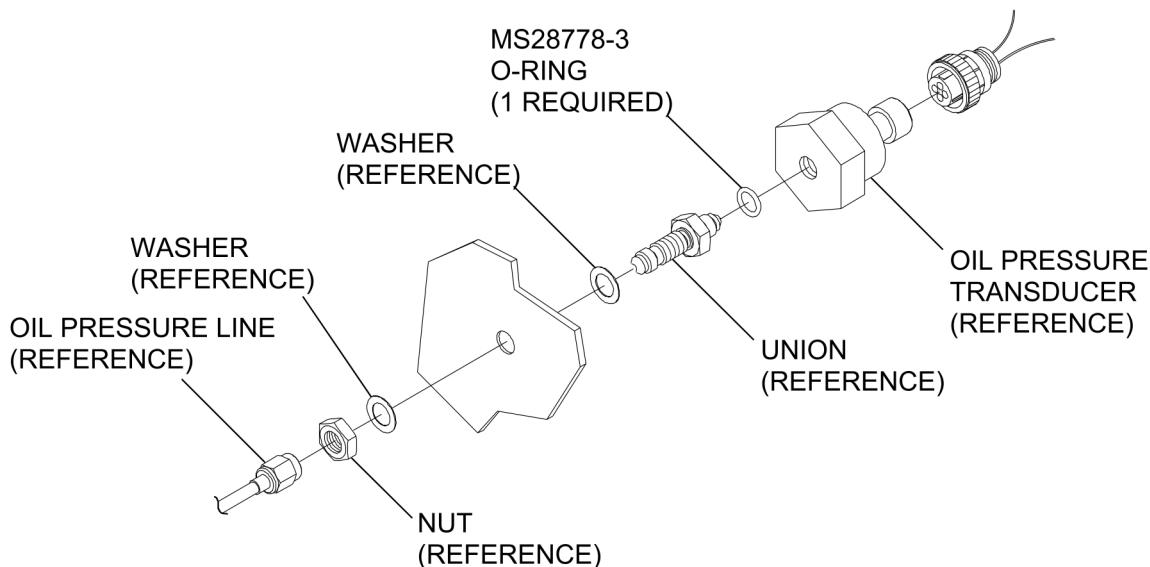
MANDATORY

SEL-79-05

B22403



DETAIL A



DETAIL B

NOTE: THE ENGINE ILLUSTRATION SHOWN IS 172S AIRPLANES. THE LOCATION IS SIMILAR AND INSTALLATION OF THE OIL PRESSURE TRANSDUCER IS THE SAME FOR 182T AIRPLANES.

0510T1007
A0556T1008
B0556T1004

Figure 1. Oil Pressure Transducer Installation (Sheet 1)

MANDATORY

SEL-79-05

MATERIAL INFORMATION

■ The part below may be necessary to complete this service document.

NEW P/N	QUAN- TITY	KEY WORD	OLD P/N	INSTRUCTIONS/ DISPOSITION
MS28778-3	1	O-ring	MS28778-3	Install

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

TITLE

OIL - O-RING INSPECTION AND INSTALLATION FOR OIL PRESSURE TRANSDUCER

TO:

Cessna Model 172 and 182 Aircraft Owners

REASON

The oil pressure transducer may have been installed without O-ring, which may causes oil leak in engine.

COMPLIANCE

MANDATORY. This service document must be accomplished at the next maintenance event or inspection, whichever occurs first.

LABOR HOURS

For planning purposes only:

WORK PHASE	LABOR-HOURS
Modification	2.0

MATERIAL AVAILABILITY

PART NUMBER	AVAILABILITY	COST
MS28778-3	*	*

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

WARRANTY

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

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 should be forwarded to:

TEXTRON AVIATION PARTS DISTRIBUTION
WARRANTY ADMINISTRATION
BLDG P43 DOCK R5
7123 SW BLVD
Wichita, KS 67215

Expiration: October 12, 2024

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 support.txtav.com to register.