

MANDATORY**MTL-73-02****TITLE**

ENGINE FUEL AND CONTROL - INSPECTION OF FUEL PRESSURE SWITCH O-RING

EFFECTIVITY

| MODEL | SERIAL NUMBERS |
|--------|----------------------|
| B200GT | BY-443 thru BY-447 |
| B300 | FL-1309 thru FL-1314 |

REASON

During initial installation of the fuel pressure switch, an o-ring may not have been installed. This might cause a fuel leak from the fuel pressure switch.

DESCRIPTION

This service document provides parts and instructions to inspect the o-ring on the fuel pressure switch and install a new o-ring as required.

COMPLIANCE

MANDATORY. This service document must be accomplished within 50 flight hours from the date of receipt.

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.

TOOLING

No specialized tooling is required to complete this service document.

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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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REFERENCES

Beechcraft King Air Chapter 20 Standard Practices - Airframe

PUBLICATIONS AFFECTED

None

ACCOMPLISHMENT INSTRUCTIONS

1. Close the left and right firewall shutoff valve.
2. 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.
3. (Refer to Figure 1, Sheet 1.) Gain access to the MS29512-04 O-ring on the left 100-389018-23 Fuel Pressure Switch as follows:

NOTE: Some fuel will gravity drain out of the top of the fuel filter housing when the switch is loosened.

 - A. Open the left and right engine cowl doors for the left engine.
 - B. Disconnect the cannon plug from the 100-389018-23 Fuel Pressure Switch.
 - C. Remove the 100-389018-23 Fuel Pressure Switch from the fuel filter assembly.
4. Remove and discard the MS29512-04 O-ring from the 100-389018-23 Fuel Pressure Switch.

NOTE: Regardless if the MS29512-04 O-ring is installed or not, a new MS29512-04 O-Ring is going to be installed.
5. Install a new MS29512-04 O-ring onto the 100-389018-23 Fuel Pressure Switch.
6. (Refer to Figure 1, Sheet 1.) Install the 100-389018-23 Fuel Pressure Switch as follows:
 - A. Install the 100-389018-23 Fuel Pressure Switch into the fuel filter assembly.
 - B. Torque the 100-389018-23 Fuel Pressure Switch to 30 inch-pounds. (Refer to the Beechcraft King Air Chapter 20 Standard Practices - Airframe, Chapter 20, Bolt Installation and Torque Application.)
 - C. Using 0.032 Safety Wire, safety the 100-389018-23 Fuel Pressure Switch to the fuel filter assembly. (Refer to the Beechcraft King Air Chapter 20 Standard Practices - Airframe, Chapter 20, Fastener Locking Devices - Maintenance Practices.)
 - D. Connect the cannon plug to the 100-389018-23 Fuel Pressure Switch.
 - E. Close the left and right engine cowl doors for the left engine.
7. Repeat Steps 3 through 5 for the right 100-389018-23 Fuel Pressure Switch.
8. Remove the maintenance warning tags and connect the airplane battery.
9. Connect an external power cart switch to the aircraft.
10. Put the BATT, EXT PWR, and the AVIONICS MASTER POWER Switches to the ON position.
11. Verify the L-R FUEL PRESS, red CAS message is displayed
12. Open the left and right firewall shutoff valves.

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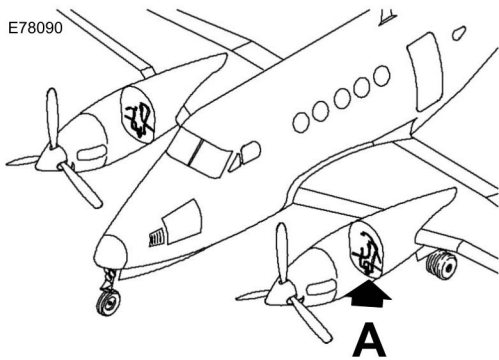
13. Verify no red FUEL PRESS CAS messages are displayed.
14. Put the left and right STANDBY PUMP Switches to the ON position.
15. Make sure there is no fuel leaking from the left and right 100-389018-23 Fuel Pressure Switch.
16. Put the left and right STANDBY PUMP Switches to the OFF position.
17. Put the BATT, EXT PWR, and the AVIONICS MASTER POWER Switches to the OFF position.
18. Make an entry in the airplane logbook that states compliance and method of compliance with this service document.

NOTE: Textron Aviation recommends that compliance with all service documents is reported to a maintenance tracking system provider.

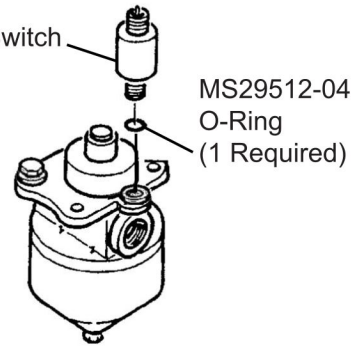
- Complete a record of compliance. (Maintenance Transaction Report, Log Book Entry, or other record of compliance.)
- Put a copy of the completed record of compliance in the airplane logbook.
- Send a copy of the completed record of compliance to the maintenance tracking system provider used.

MANDATORY

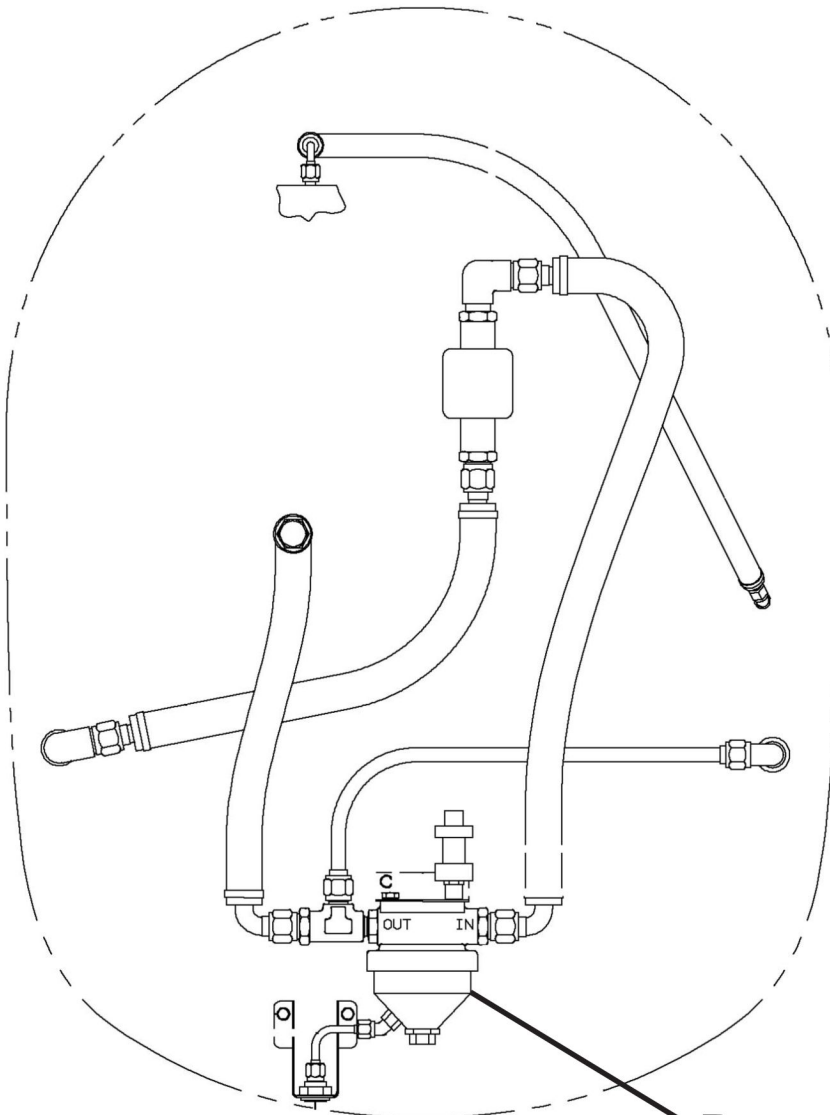
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100-389018-23
Fuel Pressure Switch
(Reference)



DETAIL B



DETAIL A

(View Looking Aft)
(Left Side Shown, Right Opposite)

Figure 1. Fuel Pressure Switch O-Ring (Sheet 1)

MANDATORY

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MATERIAL INFORMATION

The part below may be required to complete this service letter.

| NEW P/N | QUAN- TITY | KEY WORD | OLD P/N | INSTRUCTIONS/ DISPOSITION |
|------------|---------------|----------|---------|------------------------------|
| MS29512-04 | 1 Required | O-ring | Same | Discard Old, Install New. |

* Please contact your Regional Textron Aviation Parts Distribution Customer Support Team for current cost and availability of parts listed in this service document. Phone at 1-800-835-4000 (Domestic) or 1-316-517-5603 (International).

For more information, please visit the TAPD Support & Aftermarket Account Management website at <https://ww2.txtav.com/Parts/Promos/TAPD>.

Based on availability and lead times, parts may require advanced scheduling.

TITLE

ENGINE FUEL AND CONTROL - INSPECTION OF FUEL PRESSURE SWITCH O-RING

TO:

Beechcraft Model B200GT and B300 Aircraft Owner

REASON

During initial installation of the fuel pressure switch, an o-ring may not have been installed. This might cause a fuel leak from the fuel pressure switch.

COMPLIANCE

MANDATORY. This service document must be accomplished within 50 flight hours from the date of receipt.

LABOR HOURS

| WORK PHASE | LABOR-HOURS |
|-----------------------------|--------------|
| Inspection and Modification | 1.5 per side |
| Leak and Operation Check | 1.0 per side |

MATERIAL AVAILABILITY

| PART NUMBER | AVAILABILITY | COST |
|-------------|--------------|------|
| MS29512-04 | * | * |

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WARRANTY

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 Beechcraft 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: May 02, 2026 (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 support.txtav.com to register.