

MANDATORY**SEL-73-07****TITLE**

ENGINE FUEL AND CONTROL - TRANSMITTAL OF TECHNIFY MOTORS SB TMG 125-1022 P1 RAIL PRESSURE REGULATION VALVE

EFFECTIVITY**MODEL**

172S

SERIAL NUMBERS

172S12003, 172S12015, 172S12064

REASON

Investigation has found broken wires in the rail pressure regulating valve assemblies. The broken wires can cause the engine to not start, misfire, or cut out. This condition can potentially occur during flight.

DESCRIPTION

This service document transmits Technify Motors SB TMG 125-1022 P1, *Rail Pressure Regulation Valve*.

COMPLIANCE

MANDATORY. This service document must be accomplished within 10 flight hours or the next 100 hour or annual-type 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.

TOOLING

No specialized tooling is required to complete this service document.

REFERENCES

Cessna Model 172R/172S Maintenance Manual

December 14, 2017

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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-73-07**

Technify Motors SB TMG 125-1022 P1, *Rail Pressure Regulation Valve*

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 the airplane battery.
 - (2) Disconnect external electrical power.
 - 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 engine cowls. (Refer to the Model 172R/172S Maintenance Manual, Chapter 71, Powerplant - Cowl - Maintenance Practices.)
3. Complete the attached Technify Motors SB TMG 125-1022 P1, *Rail Pressure Regulation Valve*.
4. Remove the maintenance warning tags and connect the airplane battery.
5. Install the engine cowls. (Refer to the Model 172R/172S Maintenance Manual, Chapter 71, Powerplant - Cowl - Maintenance Practices.)
6. Make an entry in the airplane logbook that states compliance and method of compliance with this service document.

MATERIAL INFORMATION

For parts information Authorized Service Facilities must submit an Authorization Request for any aircraft that need parts. Refer to the Service Site for Continental Diesel Engines for the online Authorization Request at <http://www.tmg-service.de/>

NEW P/N	QUAN- TITY	KEY WORD	OLD P/N	INSTRUCTIONS/ DISPOSITION
05-7320-E000703	1	Rail Pressure Regulation Valve		Exchange



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SB TMG 125-1022 P1, Initial Issue

SERVICE BULLETIN

PRIORITY 1 - SAFETY



Service Bulletin No. SB TMG 125-1022 P1, Initial Issue
Date: October 13, 2017

Subject: Rail Pressure Regulation Valve

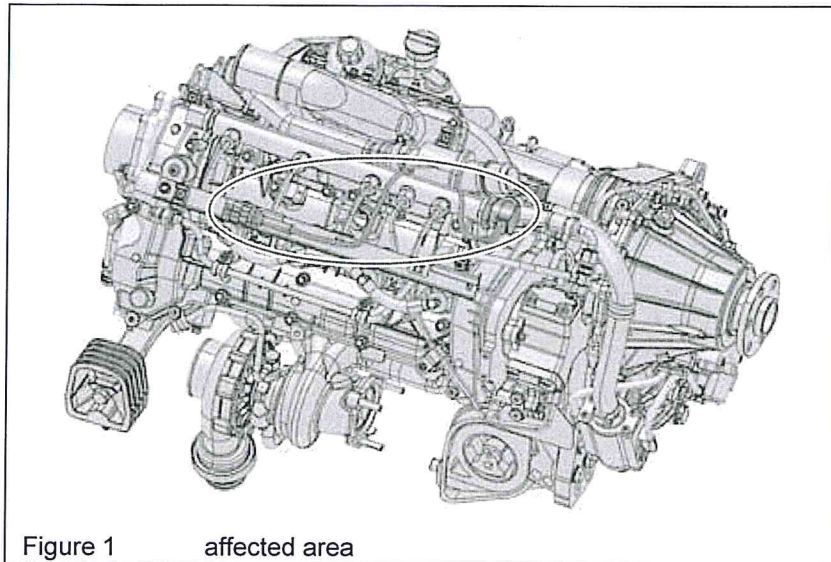
Type affected: TAE 125-02-99 and TAE 125-02-114

Models affected: The following engine serial numbers are affected:

02-02-04193	02-02-04215	02-02-04219	02-02-04222
02-02-04249	02-02-04259	02-02-04270	02-02-04271
02-02-04276	02-02-04284	02-02-04285	02-02-04287
02-02-04292	02-02-04307	02-02-04312	02-02-04315
02-02-04316	02-02-04317	02-02-04321	02-02-04324
02-02-04325	02-02-04352	02-02-04372	02-02-04380
02-02-04393	02-02-04398	02-02-04402	02-02-04447
02-02-04448	02-02-04449	02-02-04450	02-02-04451
02-02-04452	02-02-04453	02-02-04454	02-02-04455
02-02-04456	02-02-04457	02-02-04458	02-02-04461
02-02-04472	02-02-04473	02-02-04483	02-02-04486
02-02-10323	02-02-10444	02-02-10447	02-02-10470
02-02-10471	02-02-10472	02-02-10473	02-02-10474
02-02-10476	02-02-10477	02-02-10478	02-02-10479
02-02-10481	02-02-10499	02-02-10500	02-02-10512
02-02-10524	02-02-10525	02-02-10526	02-02-10527
02-02-10538	02-02-10539	02-02-10562	02-02-10564
02-02-10565	02-02-10566	02-02-10567	02-02-10569
02-02-10576	02-02-10578	02-02-10579	02-02-10581
02-02-10607	02-02-10610	02-02-10615	02-02-10631
02-02-10632	02-02-10634	02-02-10635	02-02-10636
02-02-10637	02-02-10638	02-02-10639	02-02-10640
02-02-10641	02-02-10674	02-02-10675	02-02-10676
02-02-10677	02-02-10678	02-02-10690	02-02-10691
02-02-10693	02-02-10694	02-02-10696	02-02-10697
02-02-10698	02-02-10699		

<p>Checked</p> <p>A. Wille, CVE </p>	<p>Approved</p> <p>D. Hartung, Office of Airworthiness </p>
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Replaces Service Bulletin No. / Date:



- Classification:** Category P1 – SAFETY
- Time of Compliance:** Measures have to be accomplished within the next 10 flight hours or with the next maintenance action, whichever occurs first.
- Reason:** Cases of a malfunction of the rail pressure regulating valve were reported to Technify Motors GmbH. The investigation reveals a broken wire, but the root cause could not be fully verified up to now. However, Technify decided to replace the affected batches as a precautionary measure.
- Correction:** Replace rail pressure regulating valve in accordance with RM-02-02 3/14, Chapter 73-10.07, Issue 3, Revision 3 or later approved revisions.
- Remarks:** -
- Parts:**

Item	Part Number	Description	Quantity
1	05-7320-E000703	assy pressure regul. valve rail with wire termination	1

- Approval:** The technical information contained in this document has been approved under the authority of EASA Design Organisation Approval No. EASA.21J.010.

TITLE

ENGINE FUEL AND CONTROL - TRANSMITTAL OF TECHNIFY MOTORS SB TMG 125-1022 P1 RAIL
PRESSURE REGULATION VALVE

TO:

Diesel 172 (JT-A) Aircraft Owner

REASON

Investigation has found broken wires in the rail pressure regulating valve assemblies. The broken wires can cause the engine to not start, misfire, or cut out. This condition can potentially occur during flight.

COMPLIANCE

MANDATORY. This service document must be accomplished within 10 flight hours or the next 100 hour or annual-type inspection, whichever occurs first.

MATERIAL AVAILABILITY

For parts information Authorized Service Facilities must submit an Authorization Request for any aircraft that need parts. Refer to the Service Site for Continental Diesel Engines for the online Authorization Request at <http://www.tmg-service.de/>

PART NUMBER	AVAILABILITY	COST
05-7320-E000703	*	*

WARRANTY

For warranty coverage Authorized Service Facilities must submit an Authorization Request for any aircraft that needs the fuel valve replaced. Refer to the Service Site for Continental Diesel Engines for the online Authorization Request at <http://www.tmg-service.de/>

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.

