

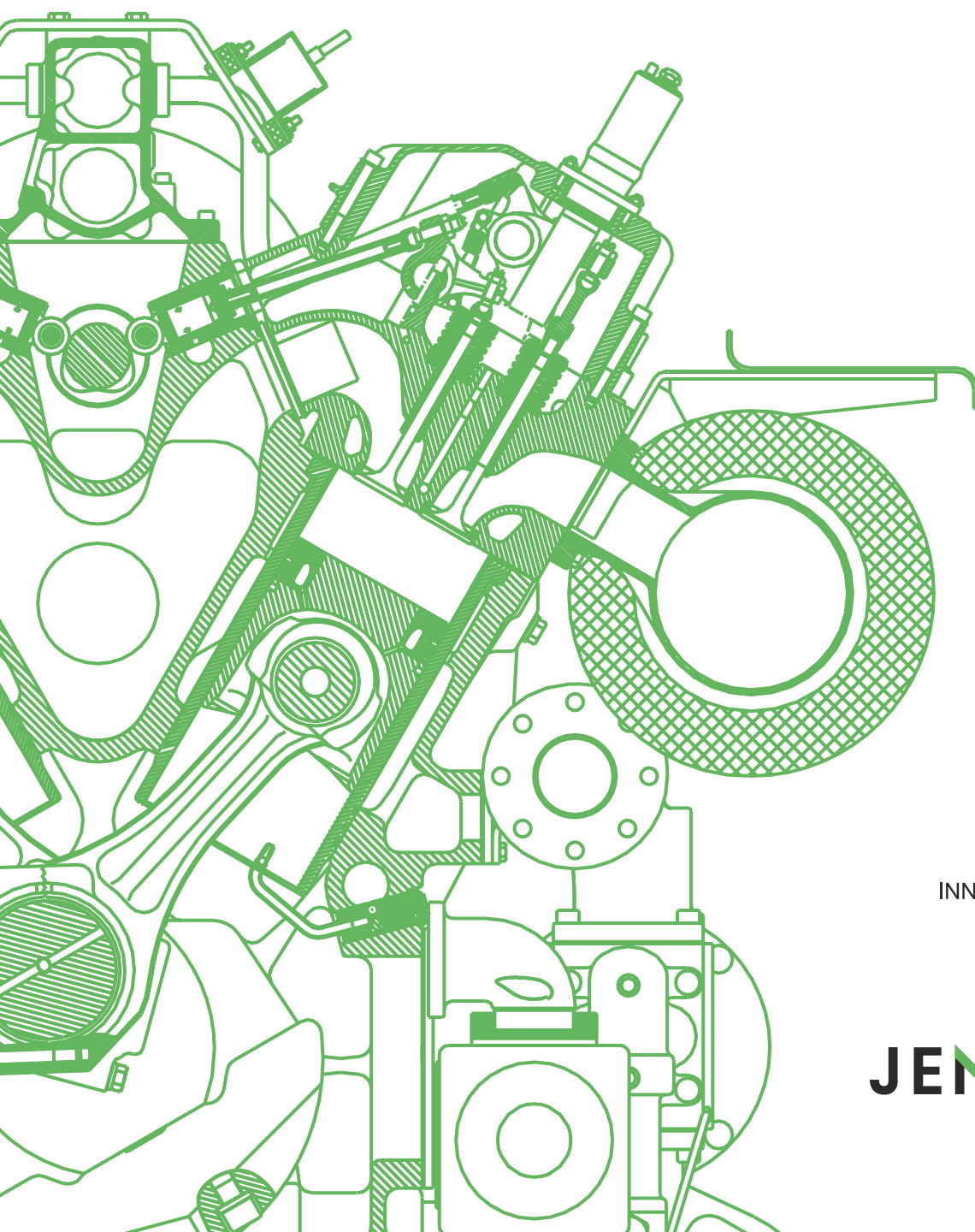


ST-237

Service Technician Instruction

Prechamber

Update of FSM.600.14.301 and FSM.600.14.302



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1 Scope

This Service Technician Instruction (ST) applies to the following Jenbacher* gas engines:

- Engine type 6 (including J624) from engine version E upwards

2 Purpose

This Service Technician Instruction provides information about an update of the Field Service Manuals FSM.600.14.301 and FSM.600.14.302 regarding the correct assembly of the prechamber and spark plug sleeve. When installing the prechamber gasket (sealing ring), the use of the sealant 'Perfect Seal #4' is now required.



The updated versions of the Field Service Manuals FSM.600.14.301 and FSM.600.14.302 are available via Jenbacher Reader. Information regarding the Jenbacher Reader can be found on [myPlant*](#) and in the [Jenbacher Reader Guide](#).

3 Additional information

When working on Jenbacher modules, all applicable local regulations must of course be observed in addition to our documentation. In relation to this Service Technician Instruction we stress the fact that the following documents must also be observed:

- Field Service Manual FSM.600.14.301: Prechamber "F" cylinder head
- Field Service Manual FSM.600.14.302: Prechamber "H" cylinder head
- Maintenance Instruction W 0501 M6: Prechamber/prechamber gas valve

4 Required tools, equipment and materials

- Tools and work equipment for inspection and exchange of prechamber, spark plug sleeve and prechamber gasket (sealing ring)
- Latex gloves
- Sealant 'PERFECT SEAL Gasket Maker™ Sealant Number 4' ('Perfect Seal #4')

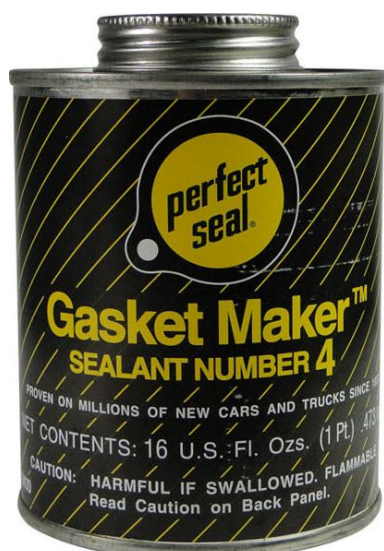


Figure 1: Sealant 'Perfect Seal #4'

5 Using 'Perfect Seal #4'

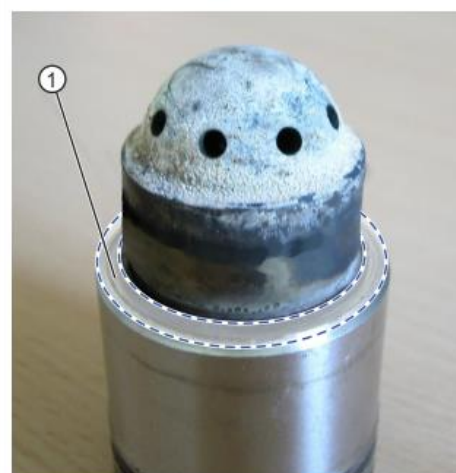
Prechamber, spark plug sleeve and prechamber gasket (sealing ring) must be regularly inspected and replaced in accordance with Maintenance Instruction W 0501 M6 and Field Service Manuals FSM.600.14.301 and FSM.600.14.302. The sealant 'Perfect Seal #4' must be applied to both sides of the prechamber gasket (sealing ring) according to the following instructions (excerpt from the amended Field Service Manuals):

Procedure for new prechamber:

- Check the sealing surface ☉ of the prechamber for cleanliness.

Procedure for reused prechamber:

- Clean the sealing surface ☉ of the prechamber with abrasive fleece pad and check for cleanliness.



- Check the sealing ring for cleanliness.



Use **new** latex gloves for **this** and the **following work step!**

For details on the processing of the sealant, see data sheet of the manufacturer!

- Apply a light coating of sealant „PERFECT SEAL Gasket Maker™ Sealant Number 4“ on both sides and all over the sealing surface of the sealing ring.

Sealing compound as per chapter Required tools, equipment and materials.



- Push the sealing ring ① onto the prechamber and press it on.
- Centre the sealing ring on the prechamber.



The sealing ring is held in position with the sealant for further assembly.

- Remove excess sealant from peripheral surface of the prechamber.
- **Ensure that the visible sealing surface of the sealing ring is coated with sealant all over the surface for further assembly!**



- Check the sealing surfaces for cleanliness.
Avoid dirt, swarf and the like.



Table 1: Using 'Perfect Seal #4'

6 Revision code

Index	Date	Description / Revision summary
1	30.10.2019	First version of this document

Table 2: Revision history

*Indicates a trademark