



W 0805 M9

Maintenance Instruction

Explosion protection valve



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1 Spoce

This Maintenance Instruction (W) applies to the following Jenbacher Gas Engines:

- Type 9 engines

2 Purpose

This Maintenance Instruction (W) describes the maintenance interval.

3 Maintenance interval

Maintenance work	Maintenance interval	Carried out by ^{*)}
⇒ Replacing the O-ring	20,000 Oh / 5 years	INNIO
⇒ Inspecting the explosion protection valve	1 year	INNIO

Valid for:

- Type 9: Maintenance schedule V

***) Carried out by This column defines who carries out the maintenance work.**

K	This activity is to be carried out by the customer, INNIO or a company selected and authorised by INNIO to carry out this work.
INNIO	This activity is to be carried out by INNIO or a company selected by INNIO authorised to carry out this work.

4 Safety information

⚠ WARNING**Danger from unauthorised restarting**

Serious injuries such as cutting, crushing, severing or shearing of body parts due to unintentional contact with rotating or moving machine parts.

- Shut down the engine as described in TA 1100-0105.
- Secure the engine against unauthorised restarting in accordance with TA 2300-0010.

**⚠ WARNING****Personal injury**

Failure to use personal protective equipment and comply with safety instructions or employee protection information may lead to personal injury.

- Wear the relevant personal protective equipment (PPE).
- Observe the safety instructions as per TA 2300-0005.
- Observe the employee protection information as per TA 2300-0001.

⚠ WARNING**Danger of burns**

Hot surfaces

- Do not start any maintenance work until the surface temperatures in the working area are below 50°C.
- If appropriate protective gloves with the appropriate protection against direct contact with hot surfaces are worn (e.g. gloves tested in accordance with EN 504), maintenance work can be carried out at working area surface temperatures below 60°C.
- If necessary, check the temperatures with a contact thermometer before starting the work.
- Wear the appropriate personal protective equipment.

⚠ WARNING**Explosion hazard**

An explosion hazard exists when power tools (e.g. battery-operated screwdrivers) are used and/or when sparks are generated in the crankcase.

- Do not use any electrical power tools (e.g. battery-operated screwdrivers) inside the crankcase.

⚠ ATTENTION**Danger of crushing!**

Danger of hand injuries!

- Proceed carefully and with caution when performing the next steps.

⚠ ATTENTION**Danger from chemicals!**

When you work with chemical substances (e.g. cleaning agents, oils etc.), your health can be damaged by skin contact, by being sprayed in the eyes and by inhaling vapours.



- Please read the relevant information in the safety data sheets (SDBs) and, where appropriate, in the Directory of Work Materials and Hazardous Substances (AGV) or the operating instructions.
- Wear appropriate personal protective equipment (PPE) (e.g. chemical-resistant gloves, close-fitting safety glasses; optionally with face mask/breathing mask, protective footwear, chemical protective suit).
- Keep unprotected persons away.

NOTE**Leaks**

If seals (O-rings, flat gaskets, etc.) are not properly seated or if there are burrs or cuts on the contact surfaces, grooves, etc., leaks may occur during operation.

- Check contact surfaces, grooves, etc. for damage such as burrs or cuts.
- Check seals for damage.
- Check that seals are properly seated.

5 Additional information**Relevant documents:**

TA 1100-0105 – Engine shut-down

TA 2300-0001 – Employee protection

TA 2300-0005 – Safety instruction

TA 2300-0010 – LOTO measures and LOTO kit

6 Work steps

6.1 Replacing the O-ring

This activity is to be carried out by INNIO or a company selected by INNIO authorised to carry out this work.

- Replace the O-ring and perform a function check.

6.2 Inspecting the explosion protection valve

This activity is to be carried out by INNIO or a company selected by INNIO authorised to carry out this work.

- Inspect the explosion protection valve and perform a function check.

7 Revision code

Revision history			
Index	Date	Description / Revision summary	Expert Auditor
2	31.07.2019	GE durch INNIO ersetzt / GE replaced by INNIO Wartungsintervall für O-Ring tauschen angepasst / Maintenance interval for replacing the O-ring adjusted Dokumentennummer von "IW" auf "W" geändert / Document number changed from "IW" to "W"	Schweinberger A. <i>Pichler R.</i>
1	31.01.2019	Erstausgabe / first issue	Jonsson S. <i>Fürhapter M.</i>