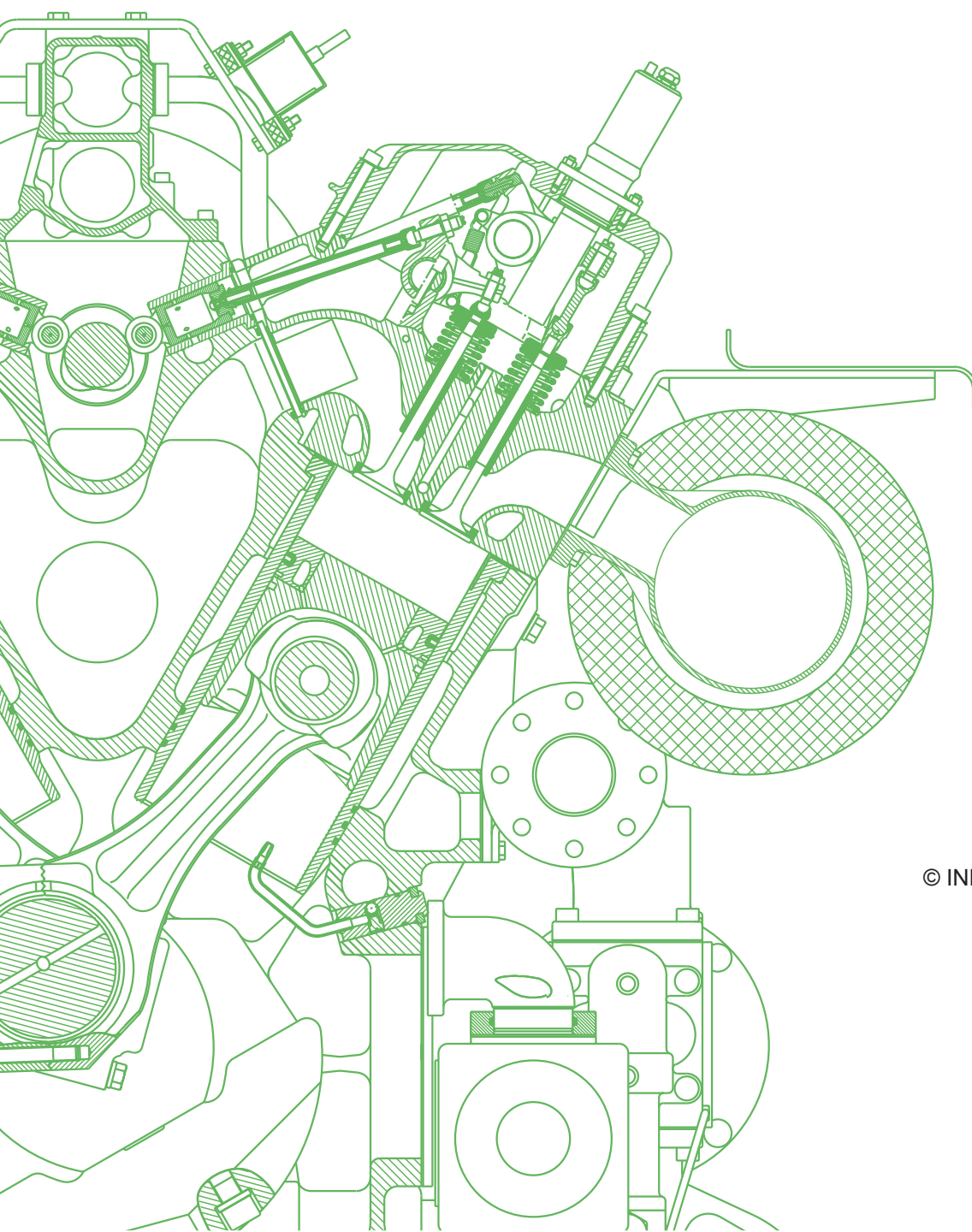




# W 0705 M0

Maintenance Instruction

## Gas quantity controller



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**The target recipients of this document are:**

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## 1 Scope

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

- Type 3 engines
- Type 4 engines
- Type 6 engines

## 2 Purpose

This Maintenance Instruction (W) describes the maintenance interval.

## 3 Maintenance interval

Maintenance work	Maintenance interval	Carried out by <sup>1)</sup>
⇒ Replacing the sealing rings	20,000 Oh	INNIO
⇒ Cleaning the gas quantity controller	20,000 Oh	INNIO
⇒ Replacing the gas quantity controller	30,000 Oh	INNIO

**Valid for:**

- Type 3: Maintenance schedule A Maintenance schedule B Maintenance schedule D
  - Type 4: Maintenance schedule A Maintenance schedule B Maintenance schedule D Maintenance schedule E Maintenance plan P
  - Type 6: Maintenance schedule A Maintenance schedule B Maintenance schedule D
-

Maintenance work	Maintenance interval	Carried out by <sup>*)</sup>
⇒ Replacing the sealing rings	20,000 Oh	INNIO
⇒ Cleaning the gas quantity controller	20,000 Oh	INNIO
⇒ Replacing the gas quantity controller	40,000 Oh	INNIO

**Valid for:**

- Type 3: Maintenance schedule C

**\*) 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****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 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.

**5 Additional information****Relevant documents:**

TA 1100-0105 – Engine shut-down

TA 2300-0001 – Employee protection

TA 2300-0005 – Safety instruction

TA 2300-0010 - Guidelines for using the LOTO kit

## 6 Work steps

### 6.1 Replacing the sealing rings

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



The sealing rings on the connection flanges generally have to be replaced when replacing or refitting equipment after cleaning.

### 6.2 Cleaning the gas quantity controller

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



When cleaning, make sure that the pressure sensors and temperature sensor openings are not dirty to guarantee that the gas quantity controller operates properly. The position of the pressure sensors and temperature sensors is indicated by an arrow in the photographs below.

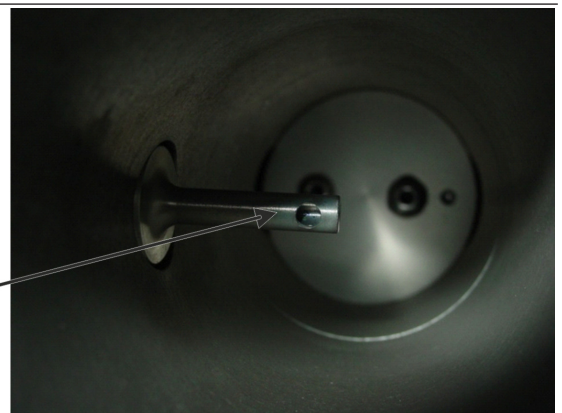
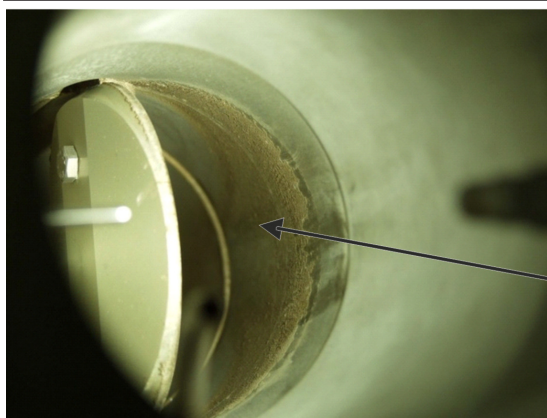
**Caution:** Ensure that the surface of the internal pipe is not damaged by the cleaning process, since scratch marks left behind will increase the build-up of deposits.

#### Deposits

Clean with a soap solution.

Leave the soap solution for a while to take effect and then remove the deposits/dirt with a bottle brush or similar. Wipe the device dry with a clean cloth.

Deposits around the valves:



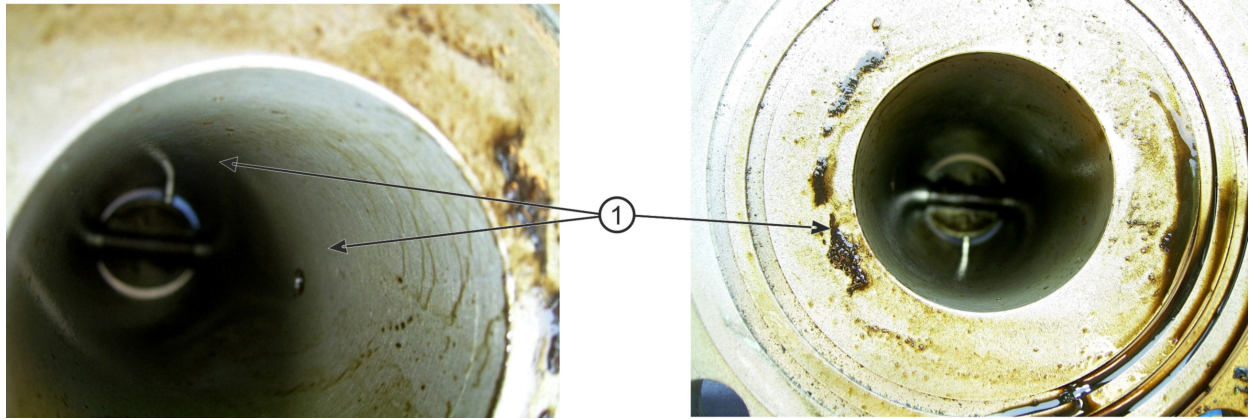
1

① motor

**Oil contamination**

Clean with a clean cloth without the soap solution.

Oil contamination:



① motor

**6.3 Replacing the gas quantity controller**

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

**7 Revision code****Revision history**

Index	Date	Description / Revision summary	Expert Auditor
3	30.04.2019	Strukturelle Anpassungen / Structural Adaptions GE durch INNIO ersetzt / GE replaced by INNIO	<b>Fallzberger F.</b> <i>Pichler R.</i>
2	18.02.2014	Verlängertes Wartungsintervall ergänzt / Extended service interval supplemented	<b>Bilek</b> <i>Greuter</i>
1	01.06.2010	Umstellung auf CMS / Change to <b>C</b> ontent <b>M</b> anagement <b>S</b> ystem ersetzt / replaced Index: <b>a</b>	<b>Provin</b> <i>Provin</i>