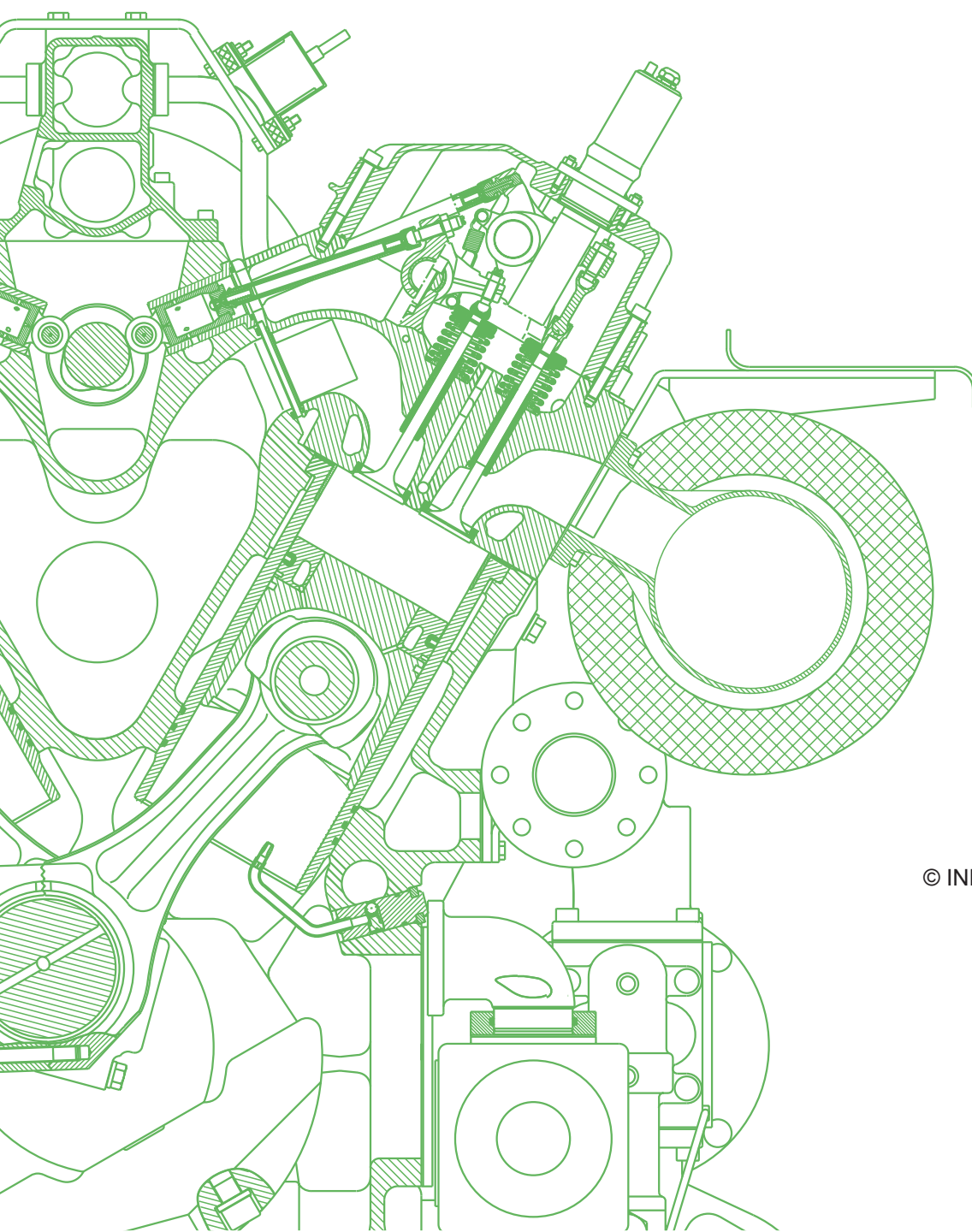




# W 8047 M0

Maintenance Instruction

## Piston/Piston cooling



© INNIO Jenbacher GmbH & Co OG  
Achenseestr. 1-3  
A-6200 Jenbach, Austria  
[www.innio.com](http://www.innio.com)



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## 1 Scope

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

- Type 2 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>
⇒ Replace piston, piston rings and piston pins	30,000 Oh / 12 000 starts	INNIO
⇒ Overhaul the piston cooling nozzles	30,000 Oh / 12 000 starts	INNIO
⇒ Replacing the O-ring at the piston cooling nozzle	30,000 Oh / 5 years	INNIO

**Valid for:**

- Type 2: Maintenance schedule A
  - Type 3: Maintenance schedule A
  - Type 4: Maintenance schedule A Maintenance schedule E
  - Type 6: Maintenance schedule A
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Maintenance work	Maintenance interval	Carried out by <sup>1)</sup>
⇒ Replace piston, piston rings and piston pins	40,000 Oh / 12 000 starts	INNIO
⇒ Overhaul the piston cooling nozzles	40,000 Oh / 12 000 starts	INNIO
⇒ Replacing the O-ring at the piston cooling nozzle	40,000 Oh / 5 years	INNIO

**Valid for:**

- Type 2: Maintenance schedule C
- Type 3: Maintenance schedule C
- J416 with version C206, C209, C211 and C212

Maintenance work	Maintenance interval	Carried out by <sup>1)</sup>
⇒ Replace piston, piston rings and piston pins	20,000 Oh <sup>1)</sup>	INNIO
⇒ Overhaul the piston cooling nozzles	20,000 Oh <sup>2)</sup>	INNIO
⇒ Replacing the O-ring at the piston cooling nozzle	20,000 Oh / 5 years <sup>3)</sup>	INNIO

<sup>1)</sup> Maintenance plan D: depends on the examination at 20,000 Oh

<sup>2)</sup> Maintenance plan D: depends on the examination at 20,000 Oh

<sup>3)</sup> Maintenance plan D: depends on the examination at 20,000 Oh

**Valid for:**

- Type 2: Maintenance schedule B
- Type 3: Maintenance schedule B Maintenance schedule D
- Type 4: Maintenance schedule B Maintenance schedule D
- Type 6: Maintenance schedule B Maintenance schedule D

Maintenance work	Maintenance interval	Carried out by <sup>1)</sup>
⇒ Replace piston, piston rings and piston pins	30,000 Oh <sup>1)</sup>	INNIO
⇒ Overhaul the piston cooling nozzles	30,000 Oh <sup>2)</sup>	INNIO
⇒ Replacing the O-ring at the piston cooling nozzle	30,000 Oh / 5 years <sup>3)</sup>	INNIO

<sup>1)</sup> depends on the examination at 20,000 Oh

<sup>2)</sup> depends on the examination at 20,000 Oh

<sup>3)</sup> depends on the examination at 20,000 Oh

**Valid for:**

- Type 3: Maintenance schedule D
- Type 4: Maintenance schedule D
- Type 6: Maintenance schedule D

Maintenance work	Maintenance interval	Carried out by <sup>1)</sup>
⇒ Replace piston, piston rings and piston pins	3,000 starts	INNIO
⇒ Overhaul the piston cooling nozzles	3,000 starts	INNIO
⇒ Replacing the O-ring at the piston cooling nozzle	3,000 starts / 5 years	INNIO

**Valid for:**

- Type 4: Maintenance plan P

Maintenance work	Maintenance interval	Carried out by <sup>*)</sup>
⇒ Replace piston, piston rings and piston pins	28,000 Oh	INNIO
⇒ Overhaul the piston cooling nozzles	28,000 Oh	INNIO
⇒ Replacing the O-ring at the piston cooling nozzle	28,000 Oh / 5 years	INNIO

**Valid for:**




- Version X

**\*) 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.

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

TA 1100-0105 – Engine shut-down

TA 2300-0010 – Guidelines for using the LOTO kit

**6 Work steps****6.1 Replace piston, piston rings and piston pins**

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

## 6.2 Overhaul the piston cooling nozzles

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

## 6.3 Replacing the O-ring at the piston cooling nozzle

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
6	30.04.2019	Verlängertes Wartungsintervall für J416 mit Version C206, C209, C211 und C212 ergänzt / Extended maintenance interval for J416 with version C206, C209, C211 and C212 added	<b>Rogers E.</b> <i>Waldron P.</i>
5	30.11.2018	Arbeitsschritt „O-Ring an Kolbenkühlöse tauschen“ ergänzt / Work step „Replacing the O-ring at the piston cooling nozzle“ added	<b>Rogers E.</b> <i>Waldron P.</i>
4	30.07.2018	Strukturelle Anpassungen / Structural adaptations Standard Peaking Wartungsintervall ergänzt / Standard peaking maintenance interval added	<b>Rogers E.</b> <i>Waldron P.</i>
3	30.10.2015	Neues Wartungsintervall für J420 B305 – Peaking-Anwendung / New maintenance interval for J420 B305 – Peaking-Application	<b>Waldron P.</b> <i>Nota F.</i>
		Verlängertes Wartungsintervall für Baureihe 2 / Extended service interval for type 2.	<b>Khare A.</b> <i>Nota F.</i>
2	17.06.2010	Anpassung Schutzvermerk/Adjustment classification	<b>Provin</b> <i>Provin</i>
1	26.05.2010	Umstellung auf CMS / Change to Content Management System ersetzt / replaced Index: a	<b>Provin</b> <i>Licht</i>