Service confirmation for the operator

HAPERO Energietechnik GmbH
Commercial Park East 3 = A - 5141 Moosdorf

Tel. +43 (0) 7748 68585 - 0
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Mail. office@hapero.com
Web. www.hapero.com

Heating operator / end customer:

First name Last Name

Landline telephone number

Telephone number Mobile

Boiler location:

Street / number

Land PLZ Location

Installer:

Company name

Land PLZ Location

Telephone number

Boiler type:

serial number

Serial number is located at: 15 kW panel door (inside) 25 / 35 kW rear top (outside)

Program version

SW: HW:

Power section version

Program version and power section version are: Press tool magnifying glass green arrow on the display below.

Spare parts set installed:

Spare parts set annual service 15kW	Art.Nr. 7902.00	☐
Spare parts set annual service 25 / 35kW	Art.Nr. 7922.00	☐

Remarks:

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Next recommended service

Signature operator / date

Stamp & signature fitter / date

Sign the annual service guide Copy to the heating operator - Copy to HAPERO by email or fax **Only a fully completed annual service guide will be released for billing!**
The confirmation remains with the customer.

Heating operator / end customer:

First name Last Name

Landline phone number

Telephone number Mobile

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serial number

Serial number is located at: 15 kW
panel door (inside) 25 / 35 kW rear top (outside)

Program version

SW: HW:

Power section version

Program version and
You can find the power unit version
on the display under:

Spare parts set:

Spare parts set service 15kW item no. 7902.00 installed. ☐

Spare parts not installed - HAPERO warranty no longer applies! ☐

Signature of client / date

Stamp & signature company / date

Service Guide Sign a copy to the heating
operator - Copy to HAPERO by e-mail or fax E-MAIL.: kundendienst@hapero.com | FAX: +43 (0)
7748 68585 - 50

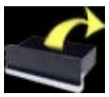
Please note: These ☐

maintenance instructions do not contain any national safety regulations; these must be carried out separately in accordance with the applicable national regulations!

Preliminary discussion with heating operator ☐

Have the heating operator switch off the boiler at least three hours before service begins

Preparation

Carry out the “ASH” program as follows:   ☐

Unplug the boiler (emergency stop switch/fuse) ☐

Secure against unintentional switching on ☐

Maintenance activities

Remove the fairing cover:

Loosen screws ☐ Step 1.

Unplug cable (display) (Main board connector X28) ☐ Step 2.

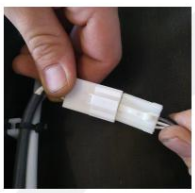
Remove the fairing cover ☐ Step 3.

Cleaning the heat exchanger:

Disconnect the induced draft fan at the white plug ☐

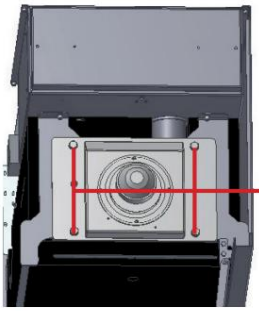
Release the lock at the front

Disconnect the lambda sensor at the white connector ☐



Release the lock at the front

Remove insulation ☐



Loosen the screw connection, lift off the boiler lid (4 hexagon screws) ☐

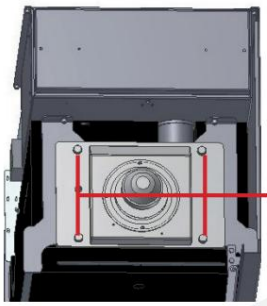
Vacuum the ash deposits from the area ☐

Cleaning the exhaust pipe towards the chimney and direction Pellet boiler using a vacuum cleaner ☐

Check the smooth movement of the power pipes and cleaning springs ☐

Place a new seal on the boiler lid (Art.nr. 7089) ☐

Check that the lifting basket is firmly seated ☐



Put on the kettle lid, coat the screws with heat-resistant grease (e.g. copper paste), screw in and tighten evenly ☐

Put the insulation back on (no illustration) ☐

Reconnect the suction fan (white plug) ☐

Reconnect the lambda sensor (white plug) ☐

Install the fairing cover:

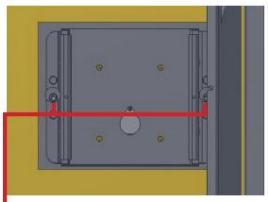
Put on the fairing cover ☐ Step 1.

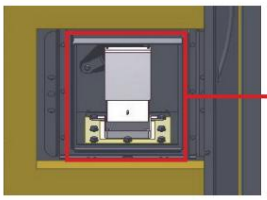
fix with screw ☐ Step 2.

Connect cable (display) (Main board connector X29) ☐ Step 3.

Cleaning the combustion chamber and burner

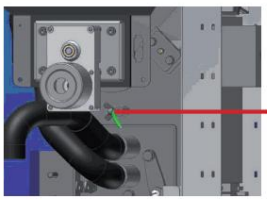
Basically, all screws in the burner area must be coated with heat-resistant grease (e.g. copper paste) before assembly.



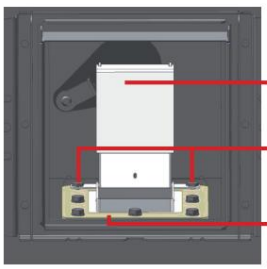


Clean the combustion chamber ☐

Open the burner door
(2 pcs. Allen screws)



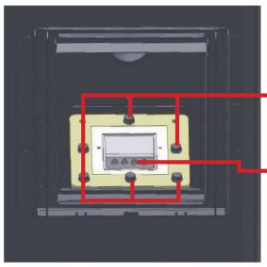
Loosen the combustion chamber sensor
(wing screw) and pull it backwards ☐



Unhook the flap ☐

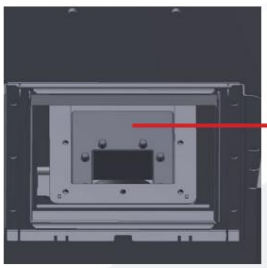
Dismantle and clean the pellet chute ☐
(2 pcs. hexagon screws)

Dismantle the pellet catch ring ☐
(post)

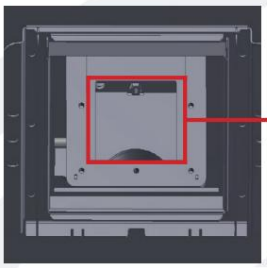


Dismantle the upper part of the burner insert ☐
(6 pcs. hexagon screws)

Clean secondary air holes ☐

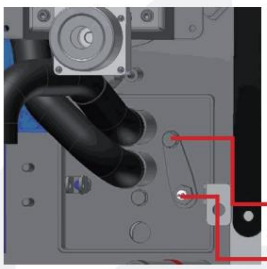


Remove the lower part of the burner insert ☐



Clean the burner housing ☐

Remove ignition rod:

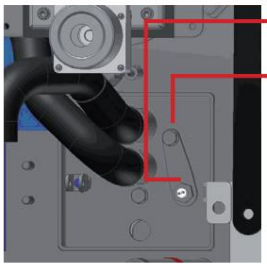


Motherboard on the back
Remove plug X6 ☐ Step 1.

Loosen hexagon screw ☐ Step 2.

Pull out ignition rod ☐ Step 3.

Install new ignition rod:

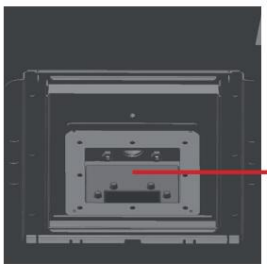


Insert new ignition rod (item no. 7005) ☐ Step 1.

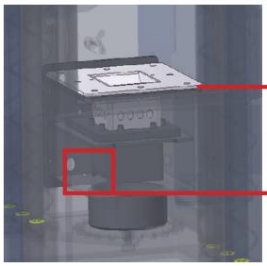
Fix with hexagon screw ☐ Step 2.

Check the burner grate function (move by hand) ☐ Step 3.

Plug into the back of the motherboard Connector X6 ☐ Step 4.

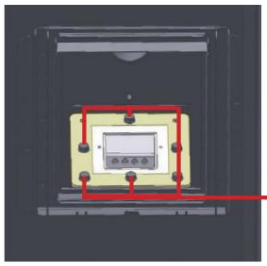


Insert new burner insert base ☐
(Art.nr. 7047)



Put the upper part of the burner insert and the new seal on the burner insert ☐
(Art.nr. 7046)

ATTENTION: Pay attention to the recess for the ignition rod - same side as the ignition rod!



Screw with heat-resistant grease (e.g. copper paste), screw in and tighten evenly ☐

(25 Nm)

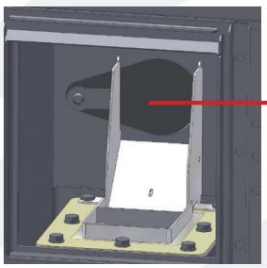
Test the function of the butterfly valve:

To do this, connect the system back to the power supply and press on the touch display: ☐

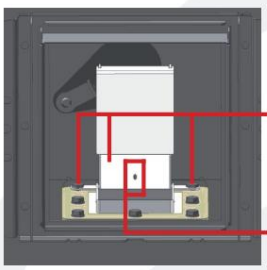


OFF

Check whether the butterfly valve now closes properly ☐

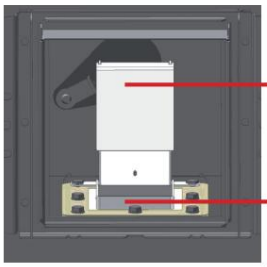


Completely closed



Press the cleaned pellet chute onto the back wall of the boiler and screw it in ☐
(2 pcs. hexagon screws)

Insert the combustion chamber sensor and fix the 2-3mm protrusion with a wing screw ☐
ATTENTION: Do not damage the sensor cable!

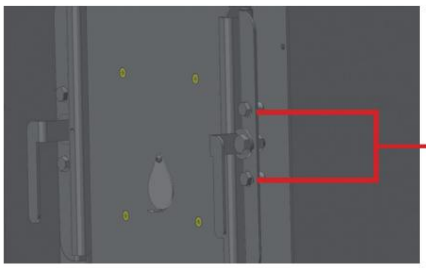


Attach the flap ☐

ATTENTION: Attach on both sides!

Put on the pellet catch ring ☐

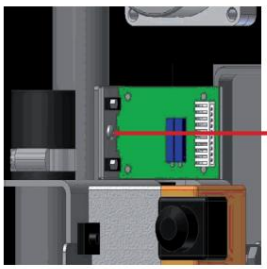
Check the burner door seal and adjust the contact pressure if necessary. ☐



Setting option

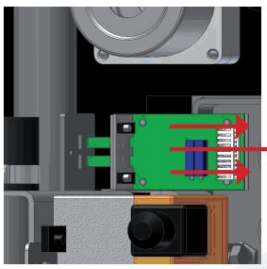
Check the ash drawer seal and replace if necessary ☐

Air mass sensor removal and installation:

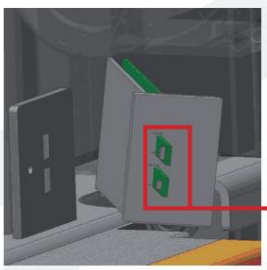


Loosen air mass sensor screw ☐

ATTENTION: Screw in the middle!

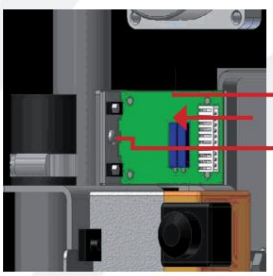


Carefully pull out the air mass sensor ☐



Clean measuring pins carefully ☐

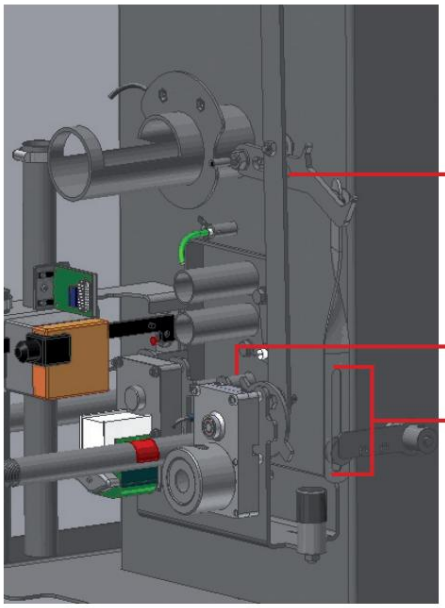
(using a soft brush)



Carefully insert the air mass sensor ☐

Screw the air mass sensor tight ☐

Lubrication points of the multifunctional unit. ☐



Air mass sensor test:

Press on the touch display:



Activate the air mass sensor heating parameter ☐

The displayed “air mass value” value indicates the chimney draft. The prerequisite is that the boiler door, the ash drawer/ Box and container lid are closed! The value should be above 70 and below 105

Enter value ☐

With the boiler door and ash drawer open, the value should be below 70.

Enter value ☐

Close the boiler door and the ash drawer. Set the exhaust fan value on the display to 255. Wait at least 10 seconds. The “air mass value” value should now be between 200 and 350.

Enter value ☐

Functional test:

(Go through the manual functions one by one and check all analog and digital inputs/outputs)

Press on the touch display:

All digital outputs have been checked ☐

Filling process testing has been performed ☐

All analog inputs have been checked ☐

All digital inputs have been checked ☐

Check all analog/digital inputs and outputs of the energy management ☐

Possible repeated instruction of the system operator

Display functions explained ☐

Storage room filling - system must be in STANDBY explained ☐

Ash drawer emptying (system maintenance)/ changing the viewing window, START-ASH PROGRAM explained ☐

Operation of the room controller explained ☐

Discuss heating times and temperatures (energy management) with the customer and adjust if necessary. ☐

Remarks:

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Next recommended service