

## Replacing the control unit

for Vitodens 100-W

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### Safety instructions



**Please follow these safety instructions closely to prevent accidents and material losses.**

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### Safety instructions explained



**Please note**

This symbol warns against the risk of material losses and environmental pollution.

When using gas as fuel, also close the main gas shut-off valve and safeguard against unauthorised reopening.

**Note**

*Details identified by the word "Note" contain additional information.*

Repairing components which fulfil a safety function can compromise the safe operation of your heating system. For replacements, use only original spare parts supplied or approved by Viessmann.

Installation, initial start-up, inspection, maintenance and repairs must only be carried out by a competent person (heating engineer/installation contractor).

Before working on the equipment/heating system, isolate the power supply (e.g. by removing a separate mains fuse or by means of a mains isolator) and safeguard against unauthorised reconnection.

### Opening the Vitodens



Installation and service instructions

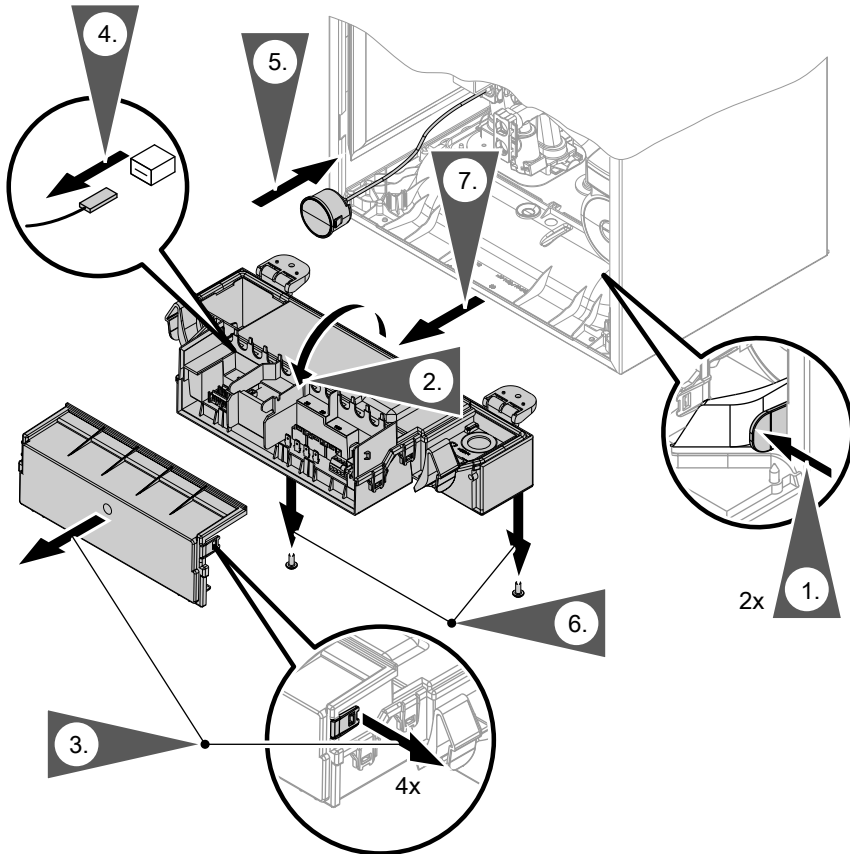
## Replacing the control unit



### Please note

Electronic assemblies can be damaged by electrostatic discharge.

Prior to commencing any work, touch earthed objects such as heating or water pipes to discharge static loads.



1. Push in the side locking tabs.
2. Pivot the control unit forwards.
3. Remove the cover.
4. Disconnect all plugs from the control unit.
5. Push in the side locking tabs and remove the pressure gauge from the control unit enclosure.

## Replacing the control unit (cont.)

6. Undo the 2 screws on the hinges and remove the control unit.
7. Remove the control unit from the floor of the air box.
8. Secure the new control unit with 2 screws on the floor of the air box.
9. Fit the pressure gauge into the control unit enclosure.
10. Connect all plugs to the control unit.

## Matching the control unit to the boiler

The new control unit must be matched to the boiler. For this, select and set the relevant parameter set.

1. Turn on the ON/OFF switch.
2. Tap **MODE**.
3. ▲/▼ until **CONF1** flashes.
4. **OK** to confirm.  
"P" is displayed in the l.h. display area. The r.h. display area flashes.
5. Use ▲/▼ to select "12".
6. **OK** to confirm.  
"1" flashes in the l.h. display area.
7. Use ▲/▼ to select "7".
8. **OK** to confirm.  
"1" flashes in the r.h. display area.
9. Select the parameter set that matches the boiler in accordance with the following table and the serial number (see type plate).
10. Use ▲/▼ to set the control unit to the parameter set.
11. **OK** to confirm.
12. Turn the ON/OFF switch off and on again.  
The selected parameter set is saved.

## Matching the control unit to the boiler (cont.)

Serial no. (type plate)	Parameter set no.
7202900	15
7202901	17
7202902	16
7560853	2
7560854	3
7560855	1
7570661	4
7570662	6
7570663	2
7570664	10
7570665	12
7570666	3
7570667	5
7570668	1
7570669	9
7570670	11
7570671	4
7570672	6
7570673	13
7570674	7
7570675	8
7570676	10
7570677	12
7570678	1
7570679	11
7570680	4
7570681	6
7570682	2
7570683	10
7570684	14
7570685	1
7570686	11
7570689	2
7570690	10
7570691	12
7570692	3
7570693	5
7570694	1

## Converting the gas type at the control unit

### Note

The gas type only needs to be converted for operation with LPG. In the delivered condition, the control unit is set to operate with natural gas.

1. Turn ON the ON/OFF switch.
2. Tap **MODE**.
3. ▲/▼ until **CONFI** flashes.
4. **OK** to confirm.  
"P" is displayed in l.h. display area.  
The r.h. display area flashes.
5. Use ▲/▼ to select "12".
6. **OK** to confirm.  
"1" flashes in l.h. display area.
7. Use ▲/▼ to select "5".
8. **OK** to confirm.  
"0" flashes in r.h. display area.
9. Use ▲/▼ to change the control unit to the available gas type.
  - "0" for operation with natural gas  
or
  - "1" for operation with LPG
10. **OK** to confirm.
11. Turn the ON/OFF switch OFF and ON again.  
The selected operating mode is saved.

## Matching the burner output to the flue system



Installation and service instructions

## Closing the control unit and starting the boiler

1. Close the control unit enclosure and pivot the control unit back up.
2. Fit the front panel.
3. Start the boiler and check it is working correctly.



Installation and service instructions







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