

# Checking that a radiator valve body is working

The following explains how to check that a radiator valve body is working as a room is not heating correctly

The radiator valve body is the metal piece between the pipes that supply the water and the radiator itself. It is onto this valve body which the Genius Radiator Valves are mounted. When the Genius Radiator Valve starts to open, the pin inside the valve body opens and allows hot water to flow through the radiator which in turn heats the room.

When a valve body stops working, this can cause the pin to seize open or shut, which results in the radiator no longer being accurately controlled by the Genius Radiator Valve, and in turn means that the room is not heated correctly.

First select a room on the same heating circuit as the radiator in question, but not the room which is having difficulties heating up.

The first test will be to bring on a radiator, and ensure that the radiator you are testing remains cold. This proves that the Genius Radiator Valve can fully close the valve body when required. From the 'My House' page, select a zone which we do not want to heat.

Now the zone needs to be called on, so that the boiler calls for heat and water begins to flow.

Override the zone by:

Clicking on the black circular mode selector

Choosing override (three arrows)

Selecting the maximum temperature for the zone

The zone will now call for heat, which will send a message to the controlling devices in that zone (e.g. Genius Radiator Valves for radiator rooms) and send a call for heat for this zone (either to the My house device, or to the relevant group zone).

After 15 minutes, go to the room which is being tested and check that the radiator is still cold, especially at the Genius Radiator Valve end of the radiator.

*Note:* take care not to injure yourself on the hot pipework.

The pipework going to and from the radiator in question should not be heating up, which you should be able to tell by placing your hand near the pipework. The boiler should also be firing to provide hot water around the circuit.

1. If the boiler is firing and radiator is remaining cold: This means that the Genius Radiator Valve can turn off this radiator when heat is not required..

2. If the boiler is firing but hot water is entering through the valve body: Change this room to 'Off' mode and try again. If this is still the case then either the Genius Radiator Valve is not properly mounted on the radiator valve body, or the valve body has corroded and so the Genius Radiator Valve is unable to fully close the radiator. See this page for instructions on how to [remount the Genius Radiator Valve](#).

To finish the first test, cancel the override for that zone by pressing the 'Stop Override' button at the bottom of the screen.

The override is no longer needed now that the first test has been completed.

Now select the room which contains the radiator in question.

The second test will be to bring on the radiator, and ensure that the radiator you are testing heats up. This is check that the Genius Radiator Valve can open the valve body when heat is required. From the 'My House' page, select the zone which you do want to heat.

Now the zone needs to be called on, so that the boiler calls for heat and water begins to flow.

Override the zone by:

Clicking on the black circular mode selector

Choosing override (three arrows)

Selecting the maximum temperature for the zone

The zone will now call for heat, which will send a message to the controlling devices in that zone (e.g. Genius Radiator Valves for radiator rooms) and send a call for heat for this zone (either to the My house device, or to the relevant group zone).

After 15 minutes, go to the room which is being tested and check that the radiator is still cold, especially at the Genius Radiator Valve end of the radiator.

*Note:* take care not to injure yourself on the hot pipework.

The pipework going to and from the radiator in question should not be heating up, which you should be able to tell by placing your hand near the pipework. The boiler should also be firing to provide hot water around the circuit.

1. If the boiler is firing and radiator is remaining cold: This means that the Genius Radiator Valve can turn off this radiator when heat is not required..

2. If the boiler is firing but hot water is entering through the valve body: Change this room to 'Off' mode and try again. If this is still the case then either the Genius Radiator Valve is not properly mounted on the radiator valve body, or the valve body has corroded and so the Genius Radiator Valve is unable to fully close the radiator. See this page for instructions on how to [remount the Genius Radiator Valve](#).

To finish the first test, cancel the override for that zone by pressing the 'Stop Override' button at the bottom of the screen.

The override is no longer needed now that the first test has been completed.