Installation Instructions
for use by heating contractor

Ignition and Ionization Electrode Block
Part Number  7810719 Ignition electrode
7817324 Ionization electrode
7810720 Gasket (ignition electrode)
for Vitocrossal 200 CM2

Safety and Installation Requirements

Please ensure that these instructions are read and understood before starting any service work. Failure to comply with these instructions may cause product/property damage, severe personal injury and/or loss of life.

Working on the equipment
The installation, adjustment, service and maintenance of this product must be performed by a licensed professional heating contractor who is qualified and experienced in the installation, service, and maintenance of hot water boilers. There are no user serviceable parts on the boiler, burner or control.

Ensure that main power to the equipment being serviced is off.

Ensure that the main fuel supply valve to the boiler is closed.

Take precautions to avoid accidental activation of power or fuel during service work.

Do not perform service work on any component part without ensuring safe operation of the heating system. When replacing parts, use original Viessmann or Viessmann approved replacement parts.

Refer to the Installation and Service Instructions applicable to this boiler.

Accessing the Boiler

For more details refer to the Installation and Service Instructions applicable to this boiler.

1. Lift and pull forward to remove the boiler front panel and set aside.
2. Remove the screw at the top of each of the front side panels. Lift and pull forward to remove the side panels and set aside.

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Please file in Service Binder
Replacing the Ignition Electrode Block

If adjustment to the electrode is necessary, be careful not to damage the ceramic sleeve of the electrode.

1. Disconnect the ignition cables from the ignition electrodes.
2. Remove the two M6 (5 mm hex key) screws and washers from the ignition electrode block and set aside.
3. Remove the ignition electrode block from the burner door.
4. Remove the ignition electrode block gasket from the burner door.

5. Remove the four M12 (19 mm hex) burner door bolts and washers and set aside.

Note: To access the burner door, disconnect gas line and plugs 40/156 and 40 from the burner control bracket and plugs 90 and 41 from the burner control.

6. Reinstall the new ignition electrode block and gasket.
7. Open the burner door and check dimensions between electrodes as well as electrode and burner as shown. Carefully adjust if necessary.
8. Reinstall in reverse order.
9. Torque the M12 (19 mm hex) burner door bolts to 13 lb/ft (18 Nm).
10. Torque the M6 (5 mm hex) electrode block screws to 13 lb/in (1.5 Nm).

Leak test the reconnected gas line.

Replacing the Ionization Electrode Block

If adjustment to the electrode is necessary, be careful not to damage the ceramic sleeve of the electrode.

1. Disconnect the ionization cable from the ionization electrode.
2. Remove the two M6 (5 mm hex key) screws and washers from the ionization electrode block and set aside.
3. Remove the 7 mm cable nozzle and set aside. Remove O-ring and discard.
4. Remove the ionization electrode block from the burner door.
5. Remove the ionization electrode block gasket from the burner door.

6. Remove the four M12 (19 mm hex) burner door bolts and washers and set aside.

Note: To access the burner door, disconnect gas line and plugs 40/156 and 40 from the burner control bracket and plugs 90 and 41 from the burner control.

7. Open the burner door and remove the inside portion of the ionization electrode.
8. Reinstall the new ionization electrode block and gasket.
9. Check the dimension between the electrode and burner as shown. Carefully adjust if necessary.
10. Reinstall in reverse order.
11. Torque the M12 (19 mm hex) burner door bolts to 13 lb/ft (18 Nm).
12. Torque the M6 (5 mm hex) electrode block screws to 13 lb/in (1.5 Nm).

IMPORTANT

Leak test the reconnected gas line.