



HAYWARD®

IDXMOD1930

Ignition Module Installation Instructions

for Gas Heater models H100ID(P)1 & ABG100(P)1

IMPORTANT NOTES:

1. This kit is intended to be used only with Hayward ABG (Above Ground) gas heater models listed above.
2. Installation of this kit should be conducted only by a qualified technician, specifically trained and experienced in the installation of this type of heating equipment. Some states or provinces require that installers be licensed. If this is the case in the state or province where the heater is located, the contractor must be properly licensed.

WARNING

Failure to comply with the installation instructions in this instruction sheet may result in equipment damage, fire, asphyxiation, or carbon monoxide poisoning. Exposure to products of incomplete combustion (carbon monoxide) can cause cancer, birth defects, or other reproductive harm.

CAUTION

The ignition control module is sensitive to damage caused by electrostatic discharge (ESD). To prevent damage, discharge your body before touching the ignition control board by touching a metal object which is grounded (like the heater cabinet).

Contents of the Kit:

Qty	Description
1	Control Module mounted to sheet metal bracket
1	Main Wire Harness
1	Ignitor w/Ignition Wire

INSTALLATION PROCEDURE

(for heaters w/no door interlock switch & 7 pin connector on existing wire harness)

1. If connected, turn pump, main gas valve, and heater power off.
2. Remove heater front access door and screw and set aside for later use.
3. Remove top panel and screws and set aside for later use.

4. Disconnect the terminal ends of the main wiring harness from all components including the gas valve, blower, blower proving switch, water pressure switch, temperature limit switches, on/off switch, thermostat and control module.
5. Remove ignitor & ignitor wire and discard. Keep the (2) #10 sheet metal screws for mounting as they will be used to install the new ignitor.
6. Remove old wiring harness and discard.
7. Disconnect wires from cordset in junction box.
8. Remove old ignition module and mounting bracket.
9. Install new ignition module and mounting bracket.
10. Connect power and ground wires from the wiring harness to the existing cordset and reinstall junction box cover on the new module mounting bracket.
11. Reconnect wiring harness to all components from step #4 above.
12. Install ignitor and wire with the (2) sheet metal screws and connect ignitor wire to control module.
13. Re-install top panel and heater front access door.
14. If connected, turn pump, main gas valve, and heater power back on.
15. Activate heater and check for proper function.

INSTALLATION PROCEDURE

(for heaters w/no door interlock switch & 11 pin connector on existing wire harness)

1. If connected, turn pump, main gas valve, and heater power off.
2. Remove heater front access door and screw and set aside for later use.
3. Remove top panel and screws and set aside for later use.
4. Disconnect wires from cordset in junction box.
5. Disconnect ignition wire from module.
6. Remove old ignition module and mounting bracket.
7. Install new ignition module and mounting bracket.

8. The main wire harness and ignitor w/wire are not needed in this case and can be discarded.
9. Connect power and ground wires from the wiring harness to the cordset and reinstall junction box cover on the new module mounting bracket.
10. Reconnect 11 pin connector to control module.
11. Reconnect ignition wire.
12. Re-install top panel and heater front access door.
13. If connected, turn pump, main gas valve, and heater power back on.
14. Activate heater and check for proper function.

INSTALLATION PROCEDURE

(for heaters w/door interlock switch)

1. If connected, turn pump, main gas valve, and heater power off.
2. Remove heater front access door and screw and set aside for later use.
3. Remove top panel and screws and set aside for later use.
4. Disconnect the terminal ends of the main wiring harness from all components including the gas valve, blower, blower proving switch, water pressure switch, temperature limit switches, interlock switch, thermostat and control module.
5. Remove ignitor & ignitor wire and discard. Keep the (2) #10 sheet metal screws for mounting as they will be used to install the new ignitor.

6. Disconnect wires from cordset in junction box.
7. Remove old wiring harness and discard.
8. Remove old ignition module and mounting bracket. This will remove the integral mount for the interlock switch which will no longer be used.
9. Install new ignition module and mounting bracket.
10. Connect ignition module and ground wires from the new wiring harness to the existing cordset.
11. Connect one end of the black wire from new harness to the thermostat control and the other end to the black wire on the existing cordset in the junction box and reinstall cover on the new module mounting bracket.
12. Reconnect new wiring harness to all components from step #4 above minus the interlock switch. This new harness contains a blue jumper wire for heaters w/on-off switch and will not be used in this application. It will remain unconnected and may be removed from the harness.
13. Install new ignitor and wire with the (2) sheet metal screws and connect ignitor wire to control module.
14. Re-install top panel and heater front access door.
15. If connected, turn pump, main gas valve, and heater power back on.
16. Activate heater and check for proper function.