

Technical Service Bulletin:

Updated Maintenance Procedure

Models: Bosch BGH96 & BGH97 Gas Furnaces



BOSCH



WARNING

Dangerous operation, injury or property damage!

These instructions are intended to provide technical guidance to a professional who is qualified to work on gas products.

If you are not qualified to work on such equipment, please obtain the services of a suitable professional.

Please visit this webpage to search for Bosch Home Comfort Pro partners in your area:

<https://www.bosch-homecomfort.com/us/en/residential/service-support/installer-locator/>



To ensure that your furnace runs as efficiently, effectively, and safely as possible, it is critical to follow the required maintenance procedure that follows.



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If the inspections reveal any damaged components, they must be replaced prior to placing the boiler back into operation. A detailed parts breakdown can be downloaded from this page: [Parts Diagrams](#)

Spare parts pricing & availability information can be found on this page: [Aftermarket Resource Center](#)

Maintenance Requirements

The maintenance steps below, and how to conduct them, are covered in the manual that came with your furnace and must be referred to prior to engaging in any work. If you no longer have a printed copy, a new one can be downloaded from this page:

[Furnace Manuals](#)

Annually (by a qualified service person)

- Inspect the exhaust venting and vent termination for blockages, damage, or flue gas leaks.
- Verify that the exhaust connector is in place, slopes up away from the furnace, and is free of holes, damage, or corrosion.
- Inspect all wiring and connectors.
- Inspect the heat exchanger/s and fan blower for corrosion, deterioration, or debris.
- Verify that the return air ducting is physically sound, fully sealed to the furnace cabinet, and terminates outside the space that contains the furnace.
- Verify that the physical support of the furnace is sound, with no sagging, cracks, or gaps around the base so as to provide a seal between the support and the base of the furnace.
- Verify that there is no obvious signs of deterioration or damage to the furnace.
- Verify that the pilot and burner flames are in good condition and adjust if needed.
- Clean and test the flame sensor.
- All installer-supplied air filters should be cleaned or replaced.
- **New Maintenance Point*** - Verify that the condensate level pressure switch is functioning correctly.

** This new maintenance topic is not covered in the product manuals yet. For test instructions, please follow the guide on the following page.*

Testing The Condensate Level Pressure Switch

The condensate level pressure switch shuts down the furnace in the event that condensate isn't draining adequately from the furnace. However, it can inadvertently prevent the furnace from operating if either of the pressure lines has been disconnected or if the switch itself has failed.

To test the pressure switch with a multimeter, please do the following:

1. Turn the power to the furnace off.
2. Unplug the two wires from the condensate level pressure switch
3. With a multimeter set to continuity, test across the two pressure switch terminals (see Figure 1).
 - **Open circuit** = The electrical switch has failed. Replace the condensate level pressure switch (part# 8733952467)
 - **Continuity across the switch terminals** = The electrical switch is working correctly. Move to testing the diaphragm's operation below.



Figure 1

To test the diaphragm operation, please do the following:

1. Reconnect the wires to the pressure switch terminals.
2. Turn the power to the furnace back on.
3. With the furnace in operation and the inducer motor running, unplug the hose from the positive pressure port (see Image 2 below).
4. Initiate a call for heat.
 - If the furnace displays an error code and refuses to start up, the pressure switch's diaphragm is working correctly.
 - If the furnace started up with no problem or error code, the diaphragm is stuck and inoperable. Replace the condensate level pressure switch (part# 8733952467).
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Figure 2

Condensate Level Pressure Switch Summary

A **correctly working** condensate level pressure switch will:

- Have continuity across its two electrical terminals.
- Unplugging the hose from the switch's positive pressure port will prevent the furnace from firing up.

A **failed** condensate level pressure switch will have either of the following issues:

- Have no continuity across its two electrical terminals.
- The furnace will fire up even if the hose is unplugged from the condensate pressure switch's positive port.
- If either of these two issues are present, the condensate level pressure switch **MUST** be replaced before putting the furnace back into operation (part# 8733952467).

If you have any questions regarding the information provided in this document, please contact the Bosch Technical Support Department by phone at 1-800-283-3787, or via email at furnace.techsupport@us.bosch.com.