

INSTALLATION INSTRUCTIONS

Noise Filter Kit for Gas Furnace Applications with Fixed Speed High Efficiency Blower or Variable Speed High Efficiency Blower

WARNING:

To avoid the risk of electrical shock, personal injury, or death, disconnect electrical power before installing this kit or performing maintenance.

Before beginning installation, read these instructions thoroughly and follow all warnings and cautions in these instructions and on the unit. These instructions are primarily intended to assist qualified individuals experienced in the proper installation of this appliance. Some local codes require licensed installation/service personnel for this type of equipment. Improper installation, service, adjustment, of maintenance can cause fire, electrical shock or other conditions which may result in personal injury or property damage, unless otherwise noted in the instructions, only factory authorized kits of accessories may be used when modifying this product.

1. SPECIFICATIONS

The Noise Filter Kit is designed for installation in a gas furnace that is equipped with either a Fixed Speed High Efficiency Blower or a Variable Speed High Efficiency Blower where there is noticeable noise or static on the power lines due to electromagnetic interference of the motor.

2. INSTALLATION REQUIREMENTS

Check Equipment – After unpacking, inspect the kit thoroughly for concealed damage. If damage is found, notify the transportation company immediately and file a concealed damage claim. All installations shall be made as described in the installation instructions and in accordance with applicable national and local codes including the requirements of local utilities.

3. INSTALLATION

1. Disconnect electrical power to the furnace.
2. Remove the upper and lower access doors from the furnace.
3. In an upflow furnace, mount the Noise Filter to the motor control mounting bracket attached to the blower with the screws provided. In a downflow furnace, mount the Noise Filter to the back of the motor control bracket with the screws provided.
4. With the ground (green) wire attached to the Noise Filter on the ground terminal, ground the unit to the motor control bracket with a screw that was used for mounting the Noise Filter.

5. **Fixed Speed High Efficiency Blower** – Upflow: Disconnect the motor power line and neutral (black and white) wires from the motor control wiring harness. Connect these wires to the Noise Filter on the opposite side as the ground terminal. Connect the black wire provided with the kit between the black wire in the motor control wiring harness and the Noise Filter. Connect the white wire provided with the kit between the white wire in the motor control wiring harness and the Noise Filter.

Fixed Speed High Efficiency Blower – Downflow: Disconnect the motor control harness power line and neutral (black and white) wires from the furnace board "L1A" and "Neutral". Connect these wires to the Noise Filter on the opposite side as the ground terminal. Connect the black wire provided with the kit between the furnace board "L1A" and the Noise Filter. Connect the white wire provided with the kit between the furnace board "Neutral" and the Noise Filter.

- Variable Speed High Efficiency Blower** – Upflow: Disconnect the motor power line and neutral (black and white) wires from the terminals of the motor control board (it may be necessary to remove the cover from the motor control mounting bracket in an upflow furnace). Connect these wires to the Noise Filter on the opposite side as the ground terminal. Connect the black wire provided with the kit from the motor control board "L1" terminal to the Noise Filter. Connect the white wire provided with the kit from the motor control board "L2-OUT" terminal to the Noise Filter.

Variable Speed High Efficiency Blower – Downflow: Disconnect the motor power line and neutral (black and white) wires from the furnace board "L1A" and "Neutral". Connect these wires to the Noise Filter on the opposite side as the ground terminal. Connect the black wire provided with the kit between the furnace board "L1A" and the Noise Filter. Connect the white wire provided with the kit between the furnace board "Neutral" and the Noise Filter.

6. Verify all wires are connected to the furnace according to the wiring diagram. Additionally, verify all wires which are factory connected and tighten as necessary.
7. If necessary, re-attach the cover to the motor control board mounting bracket and re-install the furnace access panels.
8. Restore power to the furnace. Installation is now complete.

