

20276016S

WIRE HARNESS REPLACEMENT KIT INSTRUCTIONS

Goodman Manufacturing Company, L.P. © 2006
2550 North Loop West, Suite 400, Houston, TX 77092
www.goodmanmfg.com -or- www.amana-hac.com
P/N: IO-671 Date: August 2006

Description

These instructions describe how to replace wiring harness 20276010 with wiring harness 20276016 on all DMS9 and GMS9 furnaces.

Attention Installing Personnel

As a professional installer, you have an obligation to know the product better than the customer. This includes all safety precautions and related items.

Prior to actual installation, thoroughly familiarize yourself with this Instruction Manual. Pay special attention to all safety warnings. Often during installation or repair, it is possible to place yourself in a position which is more hazardous than when the unit is in operation.

Remember, it is **your** responsibility to install the product safely and to know it well enough to be able to instruct a customer in its safe use.

Safety is a matter of common sense...a matter of thinking before acting. Most dealers have a list of specific good safety practices...follow them.

The precautions listed in this Installation Manual are intended as supplemental to existing practices. However, if there is a direct conflict between existing practices and the content of this manual, the precautions listed here take precedence.



WARNING

HIGH VOLTAGE!

**Disconnect ALL power before servicing.
Multiple power sources may be present.
Failure to do so may cause property damage,
personal injury or death.**



20276010 Wire Harness Removal

1. Disconnect the electrical power supplied to the furnace and verify power is off with a volt meter before servicing.
2. Remove the existing 20276010 main wire harness. Label all wires and connection points.
3. Remove the existing 20200912, 5-circuit wire harness.
 - a. Disconnect the orange and gray leads from the transformer.
 - b. Disconnect the white leads from the control board neutral terminals. One white lead has a piggyback terminal. The other white lead has an insulated 1/4" quick connect terminal.
 - c. Disconnect the black lead from the "LINE-H" terminal on the control board.

20276016 Wire Harness Installation

Connection points and wire colors are same as 20276010 wire harness, except as noted below. The existing wiring diagram may be used as a guide in installing wire harness 20276016.

1. Connect the orange and gray wires from harness 20276016 to the transformer.
2. Harness 20276016 has a white wire with a piggyback terminal that connects to a Neutral terminal on the control board.
3. Harness 20276016 has two white wires that terminate into a single 1/4" quick connect terminal. This terminal connects to a Neutral terminal on the control board.
4. Harness 20276016 has a 14" long black wire with a 1/4" straight quick connect terminal on one end and a 1/4" flag quick connect terminal on the other end. The flag terminal connects to the door switch. The straight terminal connects to the "LINE-H" terminal on the control.

Operational Reminders

Perform the following checks to ensure the furnace is operating properly.

1. Check the supply and manifold gas pressures and make necessary adjustments as needed.
2. Inspect the main burner flames. They should be stable, quiet, soft and blue with slightly orange tips. They should not be yellow in color. They should extend directly outward from the burner ports without curling downward, floating or lifting off the ports.
3. Check for leaks at the gas valve and burner orifices with a soap solution.
4. Ensure that all wire connections are secured and tight. Wires must not interfere with main burner operation or contact high temperature surfaces.
5. Verify the furnace cycles on and cycles off properly.



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