

# SERVICE AND APPLICATION NOTES

September 29, 2014

H-14-07

## Dripping Condensate In the Sealed Vestibule Area

Lennox has received field reports of condensation dripping into the sealed vestibule area of the Merit series 90% furnaces. In cooler ambient locations such as a basement, condensation forms in the intake pipe which then drips into the combustion compartment. Research has revealed that missing cabinet plugs and grommets (figure 1), used to seal the gas pipe and electrical openings, allow excessive air to enter the combustion compartment through the intake air pipe, allowing atmospheric condensation to form.

Sealed combustion furnaces are approved and certified by CSA with all exterior plugs and grommets in place. Once these plugs and grommets are removed, these units are no longer CSA certified for direct vent applications. The plugs and grommets in question are factory installed. These have been removed in the field during the installation process and not replaced.

Field corrections are as follows:

- 1) Order seal kit 82W08 and replace the plugs and grommets. This will restore the furnace to OEM specifications. Each kit contains 10 of each seal.
- 2) Replace any electrical component that has been affected by condensation.
- 3) Clean the rust with alcohol based cleaner to help remove some corrosion and also stop the process of corrosion.

Following the procedure as outlined above should ensure the proper operation and performance of the furnace.

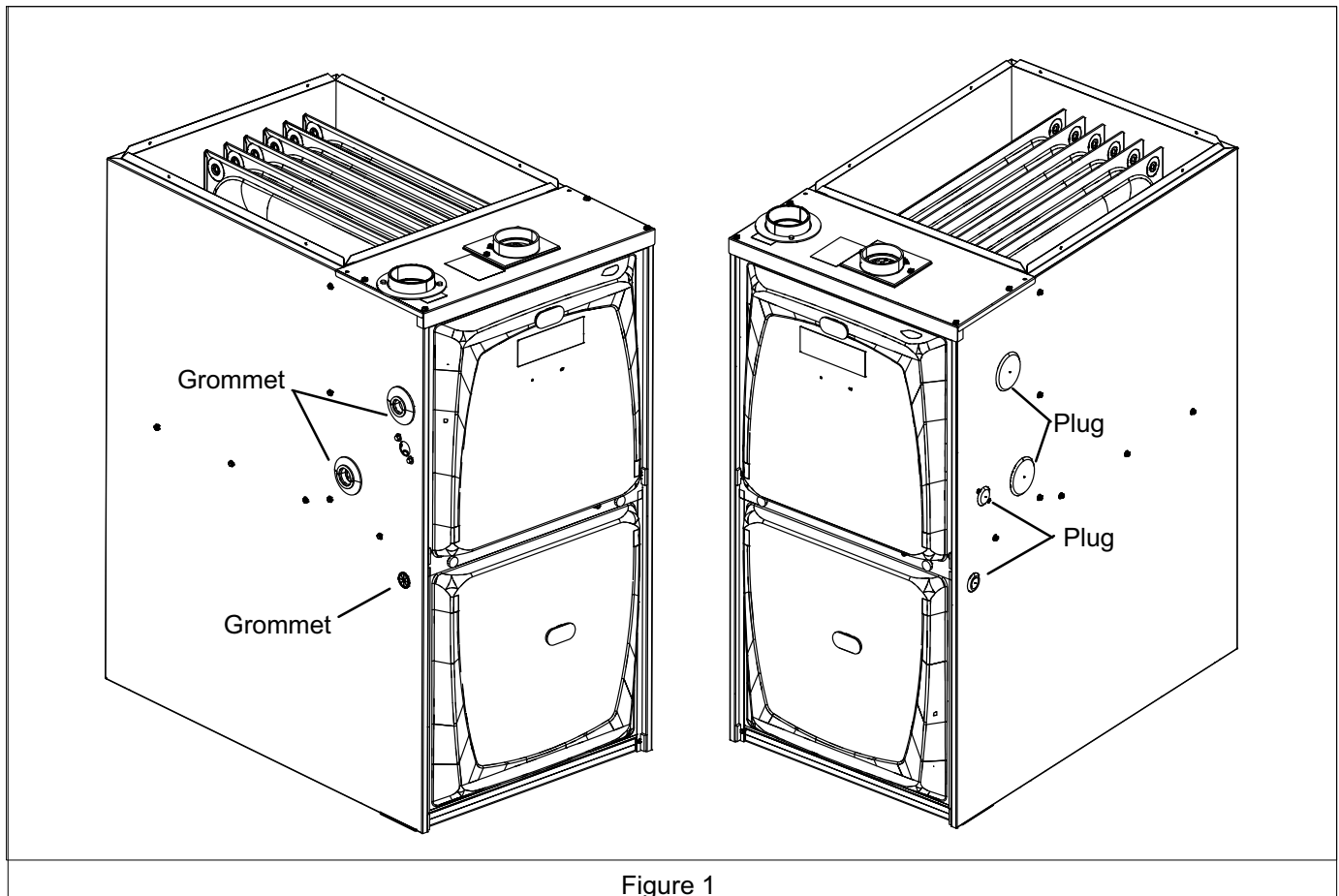


Figure 1