



Raven RV Repair LLC  
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Furnace Blockage

Client stated that furnace was not working. Upon assessment, furnace passed trial for ignition and successfully produced heat, but airflow was noted to be greatly diminished in ductwork. An endoscope was used to enter the closest duct to the furnace, and the finding is pictured below:



At first appearance it was thought that possibly the cut out for the furnace dump was dropped into the duct and caused this blockage. Furnace was then removed to see if it could be accessed from the dump. Below is a picture of the same blockage from the furnace dump:



When attempting to reach in by hand and adjust this blockage, it was noted by palpation that the top edge of this blockage is actually a 90 degree bend of the same metal plate, and it cannot be adjusted or removed. It was also noted that this section of ductwork, directly beneath the furnace dump, extended all the way to the exterior wall. With further assessment from endoscope, the left side (bathroom side) of this section of ducting appeared to have an unfinished cut that seemed to be enclosed by a slightly larger diameter duct almost like it was used as a cap. Sadly, a quality photograph of this was unable to be obtained with the scope.

It is my suspicion that this duct was improperly installed by the manufacturer and would require removal and replacement of the furnace dump section to allow airflow into the ductwork.