

## How To Remove a Stuck Fuel Nozzle

### Applies to Models: All Toyotomi Toyostove Models

Sometimes carbon build-up can make a fuel nozzle extremely difficult to remove without damaging it. Here are some methods for making the removal easier:

1. Always use two 12mm open-end wrenches to loosen the fuel line flare fitting, one to loosen the flare fitting, the other to keep the nozzle from twisting. This will prevent damage to the fuel nozzle and rounding or egging of the flare fitting.



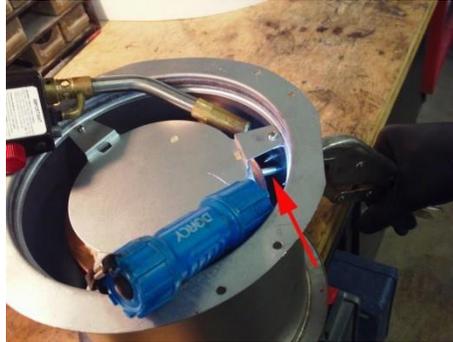
2. Use vice grips, locked onto the fuel nozzle in the upside-down position, as pictured. The nozzle enters the burner assembly at a downward angle. Positioning the vice grips like this will allow you to pull at the correct angle as the nozzle is removed, reducing your chances of bending the nozzle tube. Rotate the nozzle gently as you pull.



#### **WARNING**

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3. If the nozzle will not come out, you may have to resort to applying some heat to the fuel nozzle guide tube, as indicated by the arrow in the picture below. To access this, you will have to disassemble the heater and remove the burner assembly. Turn the burner assembly upside-down. A portable torch works best, but a heat gun will work if no torch is available.



Applying heat in this manner can damage the fuel nozzle gaskets (indicated below). If either of these gaskets has been compromised, replace it.



If the fuel nozzle has been bent, replace it. Even a slightly bent nozzle can restrict fuel flow into the burner, resulting in poor performance of the heater. Always be sure that the nozzle is clear and that the gaskets are in good condition. For further assistance, contact REE Technical Support.

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