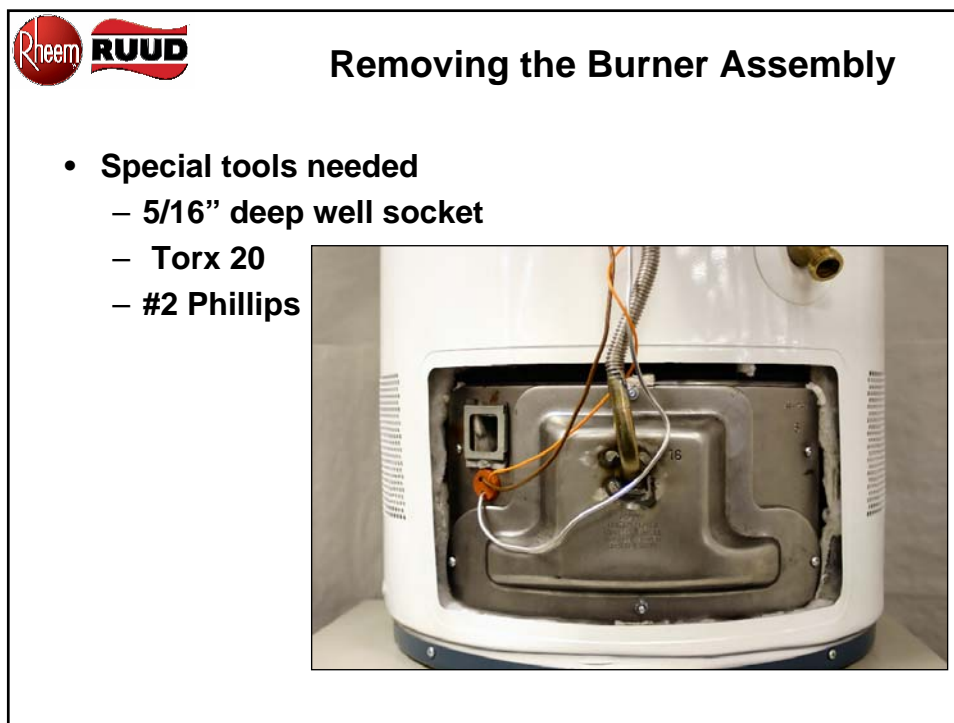
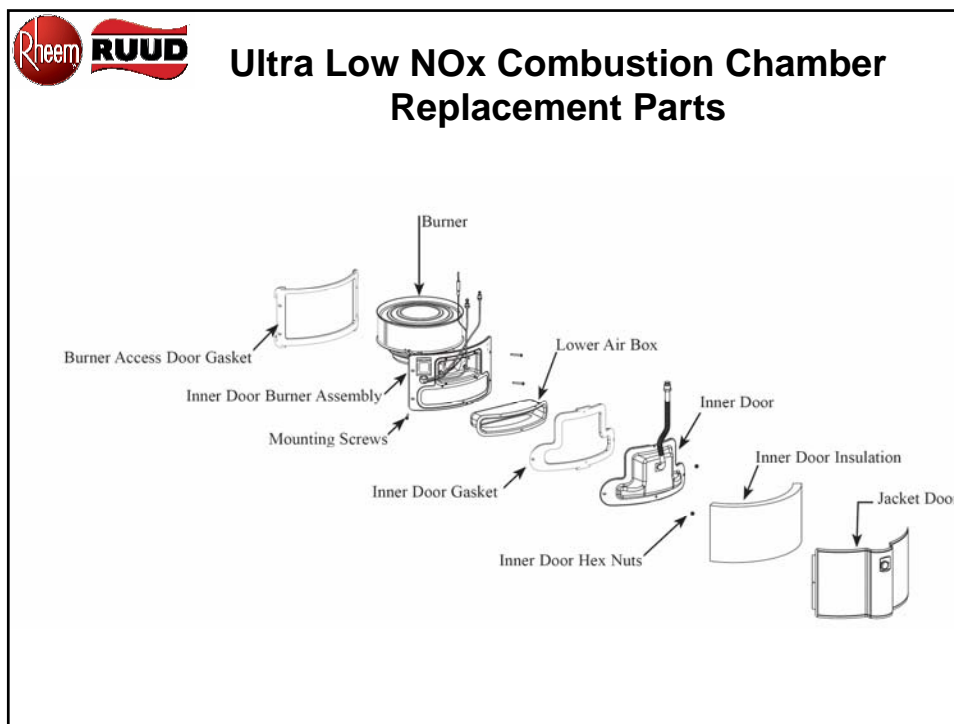


# Ultra Low NOx Service Training





## Removing the Burner Assembly

- Remove Outer Door



## Disconnect Gas Valve

- Disconnect burner and pilot supply tubes from gas valve
- Disconnect wire to igniter
- Remove the two (2) 5/16" nuts from the inner door cover



Any gasket removed from the burner assembly must be replaced with a new gasket.



## Removing the Inner Door

- Remove the bottom two (2) Torx 20 screws
- Remove the two (2) 5/16" nuts from the inner door cover




Any gasket removed from the burner assembly must be replaced with a new gasket.



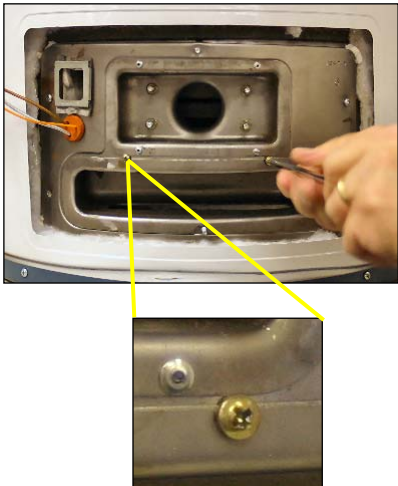
## Removing the Inner Door


- Gently rock the inner door until it comes free. There is a gasket to help with the seal.
- You must use a new gasket kit when re-installing the burner assembly.
- Notice the main burner orifice on the main burner supply tube.





 **Removing the Lower Air Box**

- Remove the two (2) #2 Phillips screws.
- Gently rock the lower air box until it comes free. There is a gasket to help with the seal.
- You must use a new gasket kit when re-installing the burner assembly.



 **Removing the Burner Access Door and Burner Assembly**

- Remove the top two (2) Torx 20 screws.
- Grab the burner access door and pull it back about 2 inches.
- You may have to pry the door loose due to the tight fitting gasket.



Any gasket removed from the burner assembly must be replaced with a new gasket.



## Removing the Burner Access Door and Burner Assembly

- Let the inner door and burner assembly drop.
- This will allow the top of the burner to clear the combustion chamber opening.



Any gasket removed from the burner assembly must be replaced with a new gasket.



## Special Instance – Removing the Burner Assembly

- If burner can't be remove from chamber....
- Remove the four 5/16" nuts from the throat of the burner door.
- Burner door and burner assembly will now come apart.





## Removing the Burner Access Door and Burner Assembly

- Pull the burner assembly from the combustion chamber.



Any gasket removed from the burner assembly must be replaced with a new gasket.



## Repairing the Burner Assembly Components

- From here, you can:
  - Replace the thermocouple
  - Replace the pilot / igniter assembly
  - Inspect and clean burner surface area

