

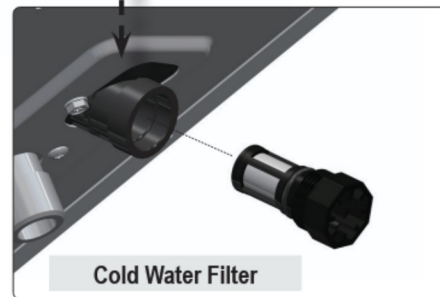
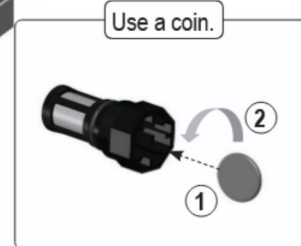
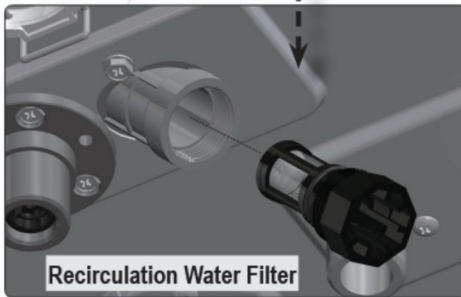
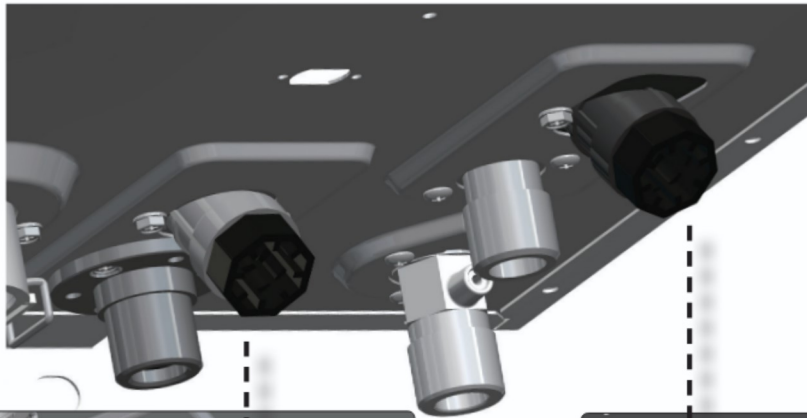
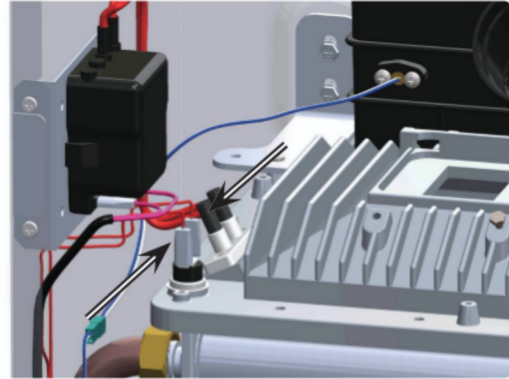
Chapter 5 Replacement Instructions

Main components Replacement Instructions

12. Heat Exchanger

1. Close the gas shut off valve.
2. Turn the power on/off button "On".
3. Turn and leave open the hot water fixtures/ faucets for more than 2 minute and close.
* An 11 Error Code may appear on the control panel. This is not a malfunction of the unit. Do not turn Power ON/OFF Button OFF.
4. Close the water supply valve and disconnect the electrical power supplied to the unit.
5. Fully open all hot water fixtures/faucets.
6. Open all drain plugs and drain the water out of the unit.
7. When the water is completely drained, replace all drain plugs and close the hot water fixtures/faucets.

9. Unplug wire connectors that attach to the wiring harness.
(Burner Overheat switch, Ignition plug)



8. Remove Control Panel from water heater case.
(Disconnect the wires to the Control Panel.
Loosen four screws to remove Control Panel & bracket.)

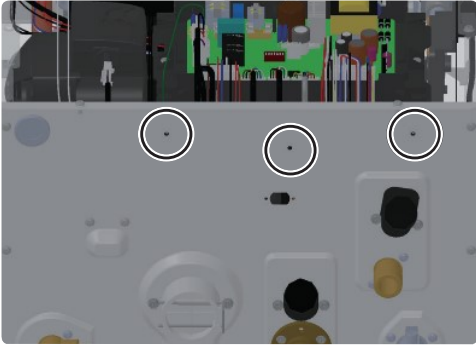


10. Remove Flame Detector connector.

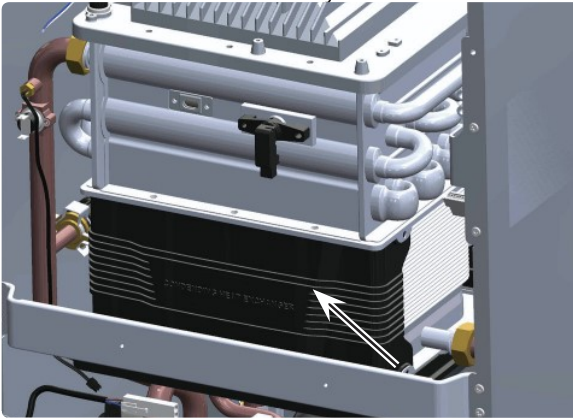


Main components Replacement Instructions

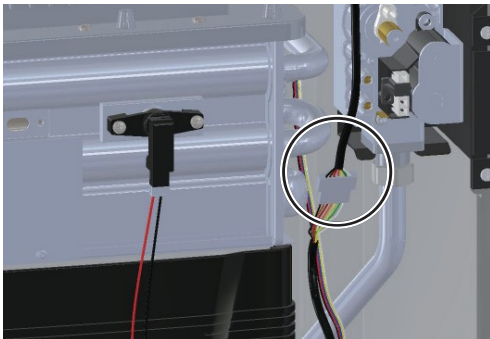
11. Unplug connectors on Circuit Board.
12. Loosen the three screws to remove the Circuit Board and Circuit Board Bracket as one piece.



13. Remove the clip and then pull out the Condensate Hose.
14. Remove the Fan assembly.



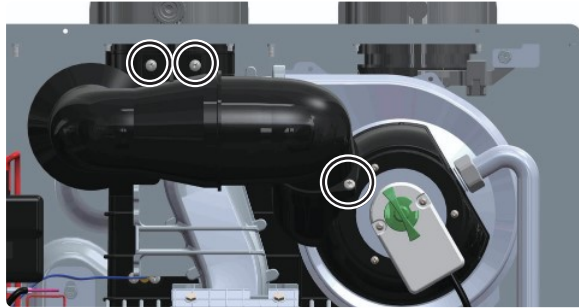
- 1) Remove AGM connector.



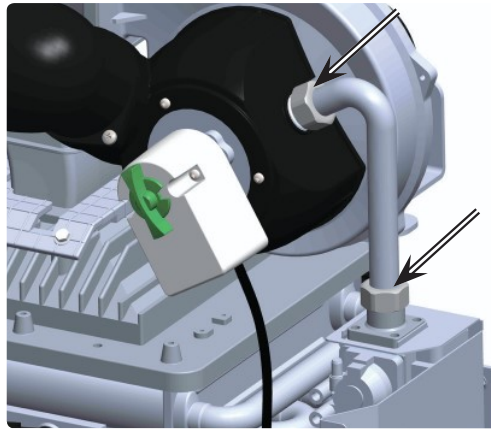
- 2) Remove Fan connector.



- 3) Loosen three screws to remove air pipe. Separate intake pipe attached to AGM.



- 4) Loosen gas pipe nut connected with AGM.

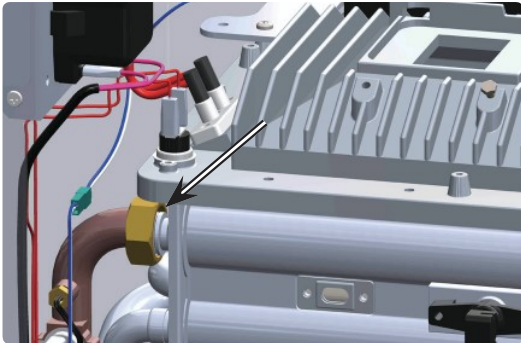


- 5) Loosen burner plate bracket's by loosen two screws as shown.

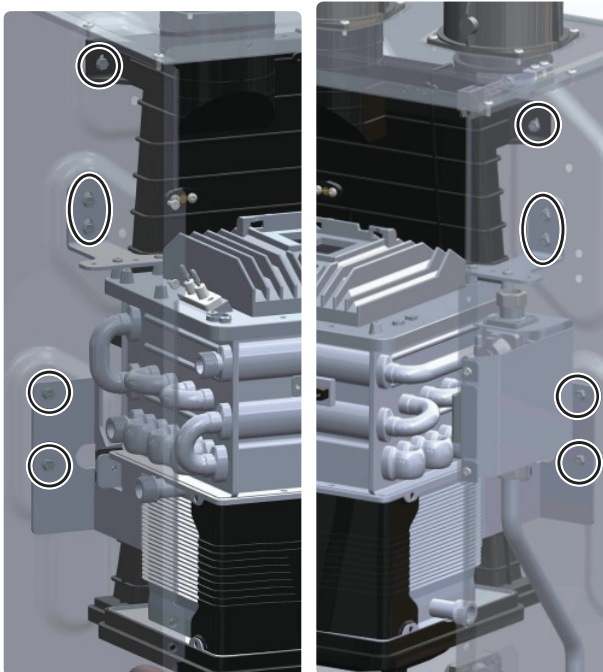


Main components Replacement Instructions

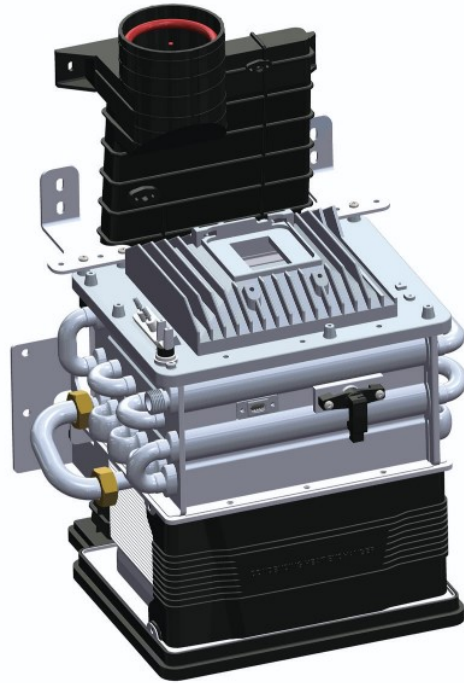
15. Loosen water pipe nut connected with Heat Exchanger.



16. Loosen ten screws to remove Heat Exchanger. Pull out the Heat Exchanger inside case.



17. Replace the Heat Exchanger assembly with the Burner and Exhaust Pipe. Check the o-rings for damage, if damaged, replace with new o-rings.



18. Assemble in the reverse order as the part was removed.

19. Open the gas shut off valve.

20. Open all water valves.

21. Turn the power on. (Use the manual switch)

22. Turn the unit on and ensure proper operation.