



Main Gas Valve Replacement

Parts Needed:

Phillips head screwdriver #2

5/64ths Allen Wrench



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1.



Turn the valve on the propane tank to the off position, and disconnect the gas hose from the propane tank. If the unit has shelves, locate the three screws under the side shelf without the burner. If the grill does not have shelves, skip to Step 10.

3.



Remove the cooking grids, and place them aside in a safe, dry place.

2.



Remove the screw on the center post and loosen the screws on the left and right posts.

4.



Locate the three screws that attach to the shelf from the inside of the main bowl assembly.

5.



Remove the screws that connect the side shelf to the main body of the grill.

6.



Remove the side shelf without a burner, using the keyhole slots on the left and right posts where you loosened the screws on Step 2 to slide over the head of the loosened screws.

7.



Repeat steps 1-5 with the side shelf containing the burner. Some models do not have a burner in either side so simply remove both side shelves as normal.

8.



Remove the side shelf with a burner, using the keyhole slots on the left and right posts just as you did in Step 6. The burner has a flex gas line attached, so extra care must be taken to avoid damaging the flex line.

9.



On units with a side burner, set the side shelf on a chair, table or similar support as you are not making changes to the side burner or these parts.

10.



Remove the screws from the side of the control panel where the gas flex line extends towards the shelf with a side burner. Be careful not to kink or otherwise damage the flex line.

11.



Remove the screws from the side of the control panel where you removed the shelf without a burner.

12.



Locate the holes on the inside of the bowl assembly along the lip where the cooking grids sit in place.

13.



Remove the screws from inside the holes located along the inside lip of the grill, where grill sits.

14.



Free the control panel from the main body of the grill. There are still going to be component parts of the grill that are connected to the control panel, so take extra care with this step to avoid damaging those components.

15.



Remove the control knobs from the grill. You may need to remove a screw to complete this process and will need a 5/64 Allen key to complete this step. Repeat this step for each of the knobs on the main control panel where valves need to be replaced.

16.



Remove the two screws from the bezel on the left and right side of the valve stem protruding from the center. Repeat this step for each of the bezels on the main control panel where valves need to be replaced.

17.



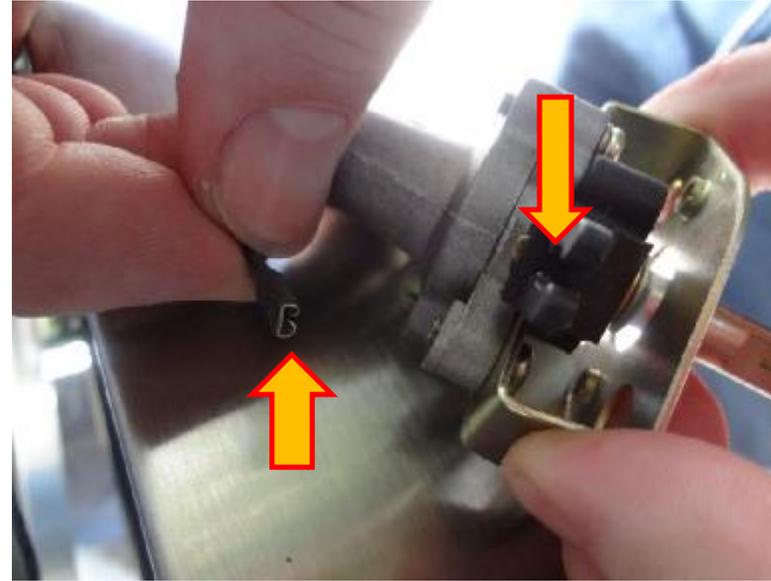
Remove one screw from the bottom of the valve where the manifold retainer bracket clamps the valve to the manifold. Repeat this step for each of the valves on the main control panel where valves need to be replaced.

19.



Locate the new valve intended for replacement.

18.



If you have recently applied a soapy water solution to the valve, clean the solution from the valve before completing this step. Remove the junction wire from the valve connection, mounted above the main body of the valve.

20.



Replace the junction wire connection from the previous valve onto the replacement valve. The wire mounts above the main body of the valve.

21.



Install the replacement valve onto the manifold, placing the valve stem through the hole in the control panel. Hook the manifold retainer bracket to the manifold and tighten the screw to secure the bracket. Repeat steps 16 – 21 for each valve that needs to be replaced.

22.



Prepare a 50/50 solution of water and ammonia-free dish detergent. Prepare the solution to be applied by using either a spray bottle or a brush.”

23.



Connect the gas hose to the propane tank. Coat the entire length of the gas hose, including the coupling nuts on both ends, with the soapy water solution. Also apply the soapy water solution to the gas valves you just replaced.



24.

Turn the valve on the propane tank to the on position. If growing bubbles appear in the soapy water solution, then the connections are not properly sealed. Check each fitting by tightening, and check again with the soapy water solution. If you do not detect a leak, turn the valve on the propane tank to the off position, disconnect the gas hose from the propane tank, and proceed to Step 25. Do not operate the grill while if a leak is detected.

If a leak is detected, repair may include the replacement of parts. If you cannot repair the unit immediately by tightening the connections, turn the valve on the propane tank to the off position and call technical support at 1-800-913-8999 and use option 1.

26.



Reconnect the burner knob to the valve stem. Secure the screw if necessary by using an Allen key. Repeat this step for all valves that have been replaced.

25.



Mount the bezel and the screws to the valve on the front of the control panel centered around the valves stem. Repeat this step with all valves that had been replaced.

27.



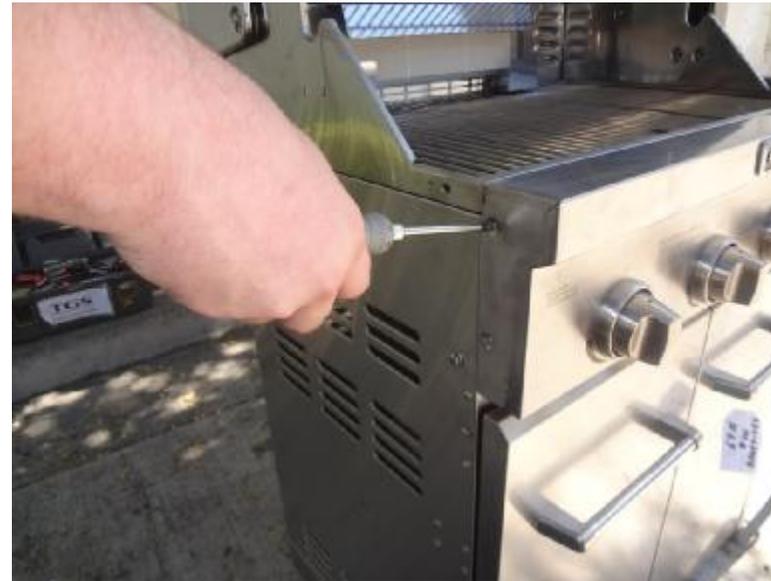
Replace control panel to the front of the grill body, making sure the valve nozzles are aligned properly into the burners.

28.



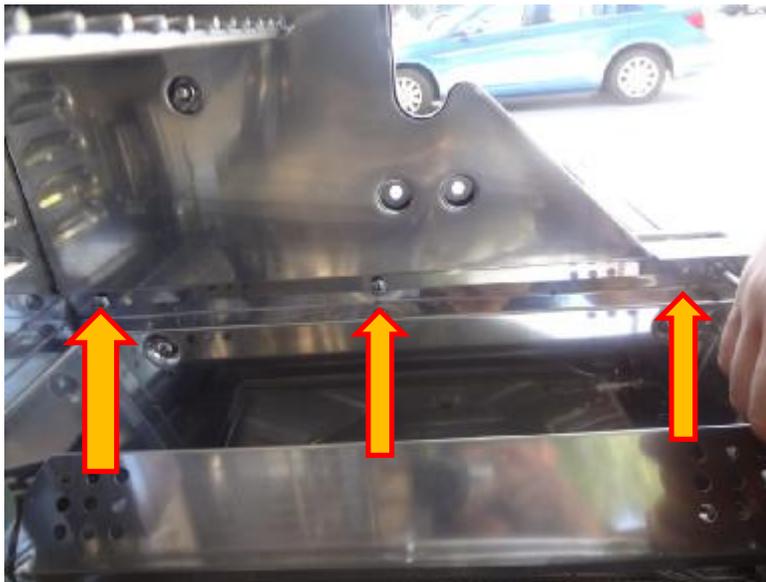
Re-install the screws on the inside lip of the main bowl area where the cooking grids set into. These screws will help support and secure the control panel.

29.



Reinstall the screws that mount the control panel to the left and right sides of the unit.

30.



Mount the side shelf to one side of the unit, securing the units with the keyhole slots to the screw heads still mounted onto the body of the grill. Reinstall the three screws to the side shelf from the inside of the unit.

31.



Secure the screw that goes into the center post of the side shelf, and then tighten the screws that mount on the left and right via the keyhole slots. Repeat steps 30 and 31 for the un-mounted side shelf on the opposite side.



Leak Test Instructions

Parts Needed: Phillips head screwdriver



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Leak Test Instruction For Regulator Assembly

1.



Prepare a 50/50 solution made of water and ammonia-free dish detergent. Prepare the soapy water solution to be applied to parts using either a spray bottle or a brush.

2.



Place the propane tank into the opening in the compartment for the propane tank and attach the regulator coupling nut to the propane tank by turning it clockwise.

3.



Apply the soapy water solution to the regulator, coupling nut, gas hose, and the connection to the manifold. Make sure to coat the entire length and both ends of the gas hose.”

4.



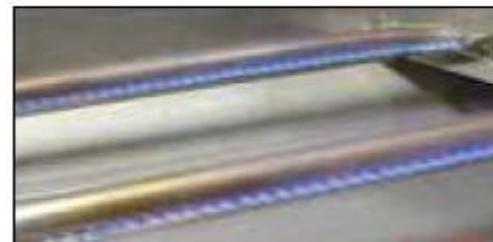
Recap

5.

Turn the valve on the propane tank to the on position. If growing bubbles appear in the soapy water solution, the connections are not properly sealed. Check each fitting by tightening, and check again with the soapy water solution. If you do not detect a leak, turn the valve on the propane tank to the off position.

If a leak is detected, repair may include the replacement parts. If you cannot repair the unit immediately by tightening the connections, turn off the valve on the propane tank and call technical support at 1-800-913-8999 and use option 1

Burner Flame Check



With the valves in place, there should be a 1-inch flame on the burners while the unit is in operation at the high setting. The grill should reach temperatures in excess of 500 degrees within 10 – 15 minutes.

If you need further assistance, please call us at 1-800-913-8999, and use option 1 to reach technical support.

3

Leak Test Instruction for Main Valve Assembly

1.



Turn the valve on the propane tank to the off position, and disconnect the gas hose from the propane tank. If the unit has shelves, locate the three screws under the side shelf without the burner. If the grill has no shelves, move to step 10.”

2.



Remove the screw on the center post and loosen the screws on the left and right posts.

3.



Remove the cooking grids, and place them aside in a safe, dry place.

4.



Locate the three screws that attach to the shelf from the inside of the main bowl assembly.

4

5.



Remove the screws that connect the side shelf to the main body of the grill.

6.



Remove the side shelf without a burner, using the keyhole slots on the left and right posts where you loosened the screws on Step 2 to slide over the head of the loosened screws.”

7.



Repeat steps 1-5 with the side shelf containing the burner. Some models do not have a burner in either side so simply remove both side shelves as normal.

8.



Remove the side shelf with a burner, using the keyhole slots on the left and right posts just as you did in Step 6. The burner has a flex gas line attached, so extra care must be taken to avoid damaging the flex line.

5

9.



On units with a side burner, set the side shelf on a chair, table or similar support as you are not making changes to the side burner or these parts.

10.



Remove the screws from the side of the control panel where the gas flex line extends towards the shelf with a side burner. Be careful not to kink or otherwise damage the flex line.

11.



Remove the screws from the side of the control panel where you removed the shelf without a burner.

12.



Locate the holes on the inside of the bowl assembly along the lip where the cooking grids sit in place.

13.



Remove the screws from inside the holes located along the inside lip of the grill, where grill sits.

14.



Free the control panel from the main body of the grill. There are still going to be component parts of the grill that are connected to the control panel, so take extra care with this step to avoid damaging those components.

15.



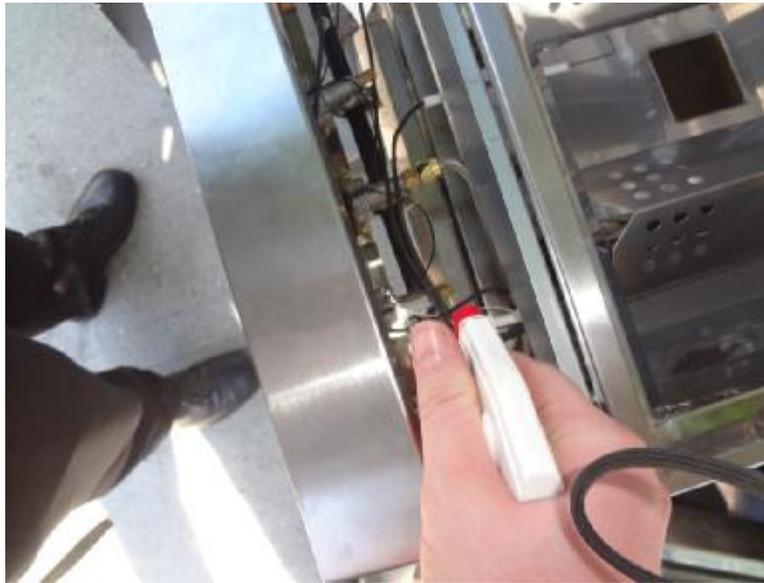
Prepare a 50/50 solution made of water and ammonia-free dish detergent. Prepare the soapy water solution to be applied to parts using either a spray bottle or a brush.

16.



Place the propane tank into the opening in the compartment for the propane tank and attach the regulator coupling nut to the propane tank by turning it clockwise.

17.



Spray the valves and manifold with the soapy water solution, making sure you get a thick coating on the parts and their relative connections.

18.

Turn the valve on the propane tank to the on position. If growing bubbles appear in the soapy water solution, the connections are not properly sealed. Check each fitting by tightening, and check again with the soapy water solution. If you do not detect a leak, turn the valve on the propane tank to the off position.

If testing the gas valves, proceed to step 19 (Page 8). Do not use the grill if a leak is detected.

If a leak is detected, repair may include the replacement parts. If you cannot repair the unit immediately by tightening the connections, turn off the valve on the propane tank and call technical support at 1-800-913-8999 and use option 1

19.



Replace control panel to the front of the grill body, making sure the valve nozzles are aligned properly into the burners.

20.



Re-install the screws on the inside lip of the main bowl area where the cooking grids set into. These screws will help support and secure the control panel.

21.



Install the screws that mount the control panel to the left and right sides of the unit

23.



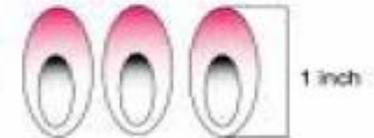
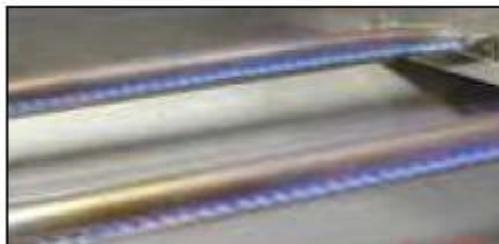
Secure the screw that goes into the center post of the side shelf, and then tighten the screws that mount on the left and right via the keyhole slots. Using the same method install the opposing side shelf.

22.



Mount the side shelf to one side of the unit, securing the units with the keyhole slots to the screw heads still mounted onto the body of the grill. Reinstall the three screws to the side shelf from the inside of the unit.

Burner Flame Check



With the valves in place, there should be a 1-inch flame on the burners while the unit is in operation at the high setting. The grill should reach temperatures in excess of 500 degrees within 10 – 15 minutes.

If you need further assistance, please call us at 1-800-913-8999, and use option 1 to reach technical support.

Leak Test Instruction to All Gas Components

1.



Turn the valve on the propane tank to the off position, and disconnect the gas hose from the propane tank. If the unit has shelves, locate the three screws under the side shelf without the burner. If the grill has no shelves, move to step 10.”

2.



Remove the screw on the center post and loosen the screws on the left and right posts.

3.



Remove the grilling grids, and place them aside in a safe, dry place.

4.



Locate the three screws that attach to the shelf from the inside of the main bowl assembly.

10

5.



Remove the screws that connect the side shelf to the main body of the grill.

6.



Remove the side shelf without a burner, using the keyhole slots on the left and right posts where you loosened the screws on Step 2 to slide over the head of the loosened screws.”

7.



Repeat steps 1-5 with the side shelf containing the burner. Some models do not have a burner in either side so simply remove both side shelves as normal.

8.



Remove the side shelf with a burner, using the keyhole slots on the left and right posts just as you did in Step 6. The burner has a flex gas line attached, so extra care must be taken to avoid damaging the flex line.

9.



On units with a side burner, set the side shelf on a chair, table or similar support as you are not making changes to the side burner or these parts.

10.



Remove the screws from the side of the control panel where the gas flex line extends towards the shelf with a side burner. Be careful not to kink or otherwise damage the flex line.

11.



Remove the screws from the side of the control panel where you removed the shelf without a burner.

12.



Locate the holes on the inside of the bowl assembly along the lip where the cooking grids sit in place.

12

13.



Remove the screws from inside the holes located along the inside lip of the grill, where grill sits.

14



Free the control panel from the main body of the grill. There are still going to be component parts of the grill that are connected to the control panel, so take extra care with this step to avoid damaging those components.

15.



Prepare a 50/50 solution made of water and ammonia-free dish detergent. Prepare the soapy water solution to be applied to parts using either a spray bottle or a brush.

16.



Place the propane tank into the opening in the compartment for the propane tank and attach the regulator coupling nut to the propane tank by turning it clockwise.

13

17.

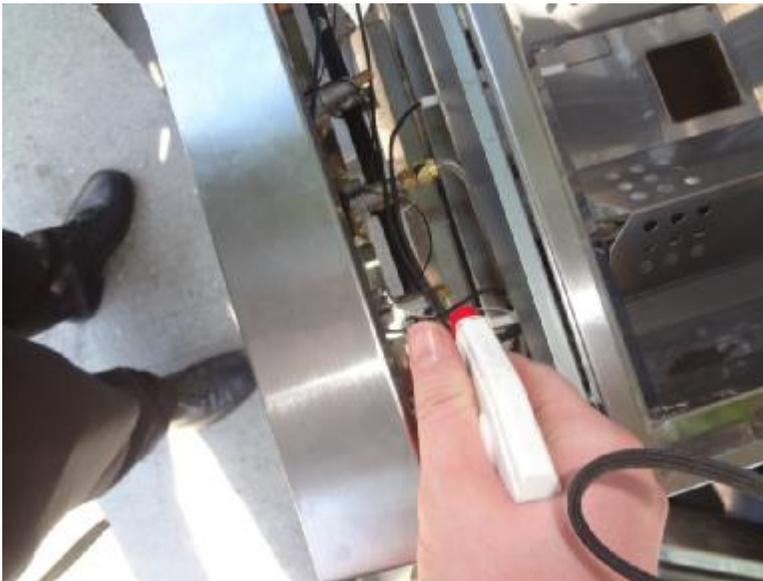


Apply the soapy water solution to the regulator, coupling nut, gas hose, and the connection to the manifold. Make sure to coat the entire length and both ends of the gas hose.”

18.



19.



Spray the valves and manifold with the soapy water solution, making sure you get a thick coating on the parts and their relative connections.

20.

Turn the valve on the propane tank to the on position. If growing bubbles appear in the soapy water solution, the connections are not properly sealed. Check each fitting by tightening, and check again with the soapy water solution. If you do not detect a leak, turn the valve on the propane tank to the off position.

If testing the gas valves, proceed to step 21 (Page 15). Do not use the grill if a leak is detected.

If a leak is detected, repair may include the replacement parts. If you cannot repair the unit immediately by tightening the connections, turn off the valve on the propane tank and call technical support at 1-800-913-8999 and use option 1

21.



Replace control panel to the front of the grill body, making sure the valve nozzles are aligned properly into the burners.

22.



Re-install the screws on the inside lip of the main bowl area where the cooking grids set into. These screws will help support and secure the control panel.

23.



Install the screws that mount the control panel to the left and right sides of the unit

24.



Mount the side shelf to one side of the unit, securing the units with the keyhole slots to the screw heads still mounted onto the body of the grill. Reinstall the three screws to the side shelf from the inside of the unit.

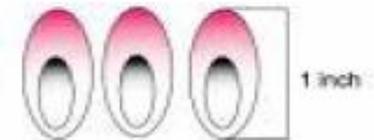
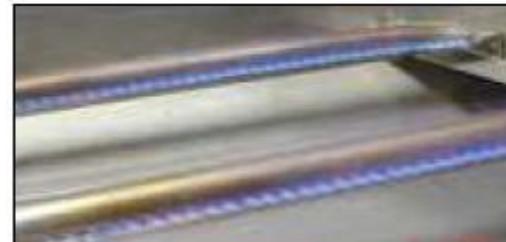
25.



Secure the screw that goes into the center post of the side shelf, and then tighten the screws that mount on the left and right via the keyhole slots. Using the same method install the opposing side shelf.

Recap

Burner Flame Check



With the valves in place, there should be a 1-inch flame on the burners while the unit is in operation at the high setting. The grill should reach temperatures in excess of 500 degrees within 10 – 15 minutes.

If you need further assistance, please call us at 1-800-913-8999, and use option 1 to reach technical support.