



Gas Valve and Igniter Replacement

Applies to Cal Flame grills with 3/8" and 1/2" manifold



This procedure must be performed by a licensed plumber or certified gas technician.

Shut off gas at the source before performing this procedure.

The main valves are located directly behind the front panel of the grill and are accessible by removing the front panel. You do not need to remove the grill from the island or cart to replace the valves, but if you choose to do so, shut off the gas from its source before disconnecting the gas line.

Note: The grill shown in the figures below has been removed from the barbecue island.

Tools required:

Phillips screwdriver

Wire cutters

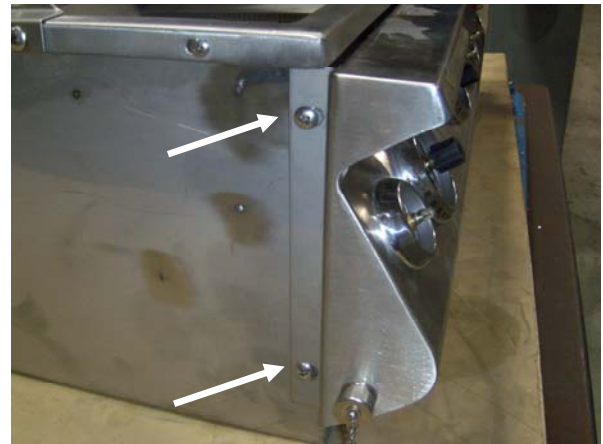
Pliers or channel locks

1. Remove the drip tray.
2. Pull the grill out of the cut-out about four inches.
3. Remove the knobs by pulling them toward you.

4. Unscrew the screws on the front. Only remove the screws to the LEFT and RIGHT of each valve. Do not remove the screws at the top and bottom.



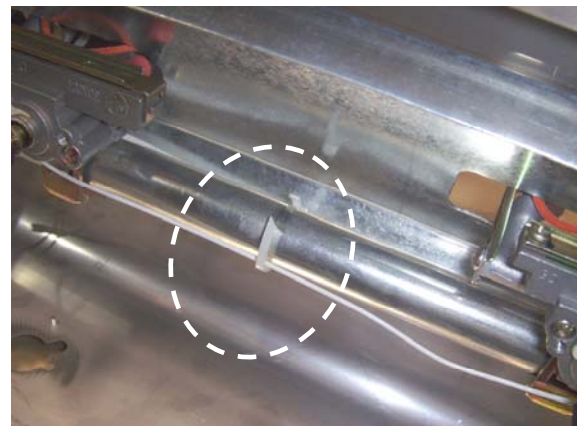
5. Remove the four screws on the sides of the front panel.



6. Lift off the front panel and carefully lay it down.



7. Cut the zip ties keeping the wires together.





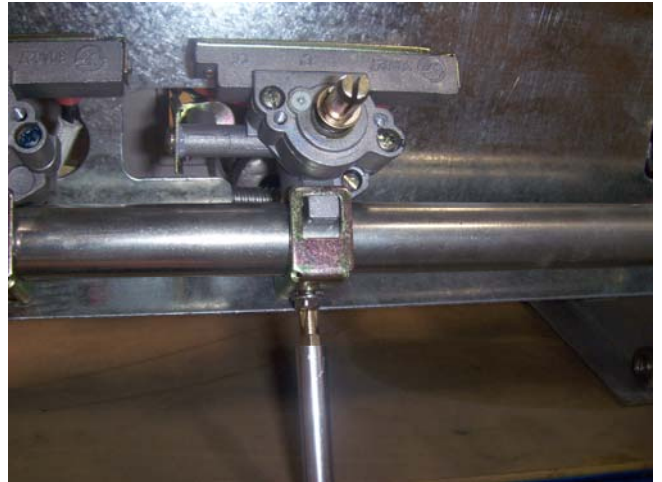
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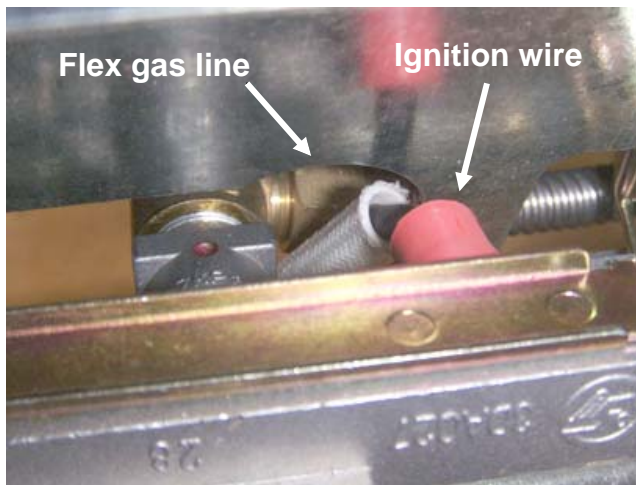
8. Carefully flip the front panel up and place it on the grill.



9. Using a Phillips screwdriver, unscrew the valve's saddle bracket and remove the valve.



10. If you are replacing a back burner valve, disconnect the flex gas line and the ignition wire from the valve.



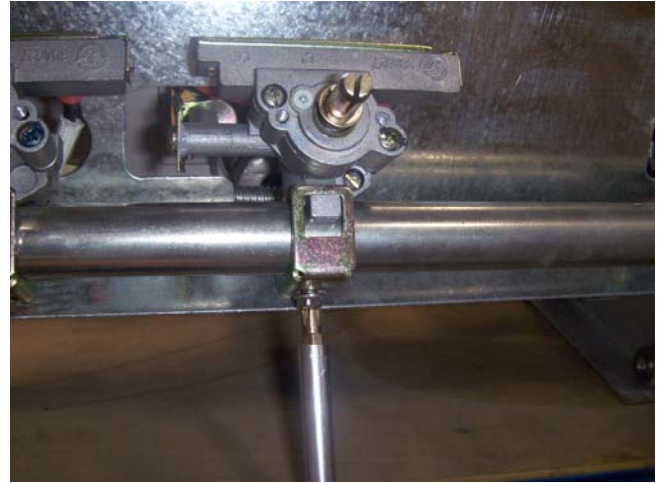
11. Inspect the replacement valve. Make sure it has a gasket as shown below. If it does not, carefully remove the gasket from the valve you just removed and insert it in the replacement valve. **DO NOT INSTALL THE VALVE WITHOUT A GASKET.**



12. Place the valve on the manifold, ensuring the orifice is inside the burner as shown below.



13. Place the saddle bracket on the valve and screw it in place. Tighten it until it is snug, then add an additional 1/4 turn. Do not overtighten.



14. If the valve is for a back burner, reconnect the flex line.

15. Flip the front panel down and place it over the burner valves.

16. Replace the screws in the front of the valves (as shown in step 4).

17. Replace the four screws on the sides of the front panel (as shown in step 5).

When finished, turn gas back on and listen for gas leaking.

If no gas is leaking, test the valve and igniter by lighting the burner. Set the flame to high, then set it to low. If the flame is too high, too low, or goes out, you will need to adjust the low flame setting with the low flame adjustment screw.

1. Relight the burner and adjust the flame as low as it can go without going out.
2. Remove the knob and insert a long flat standard screwdriver into the hole at the lower right side of the valve.
3. Turn the flame adjustment screw to adjust the flame to your preference.

