

REPLACING A SOLENOID (PHOENIX ORO MODELS)

There are two parts to most solenoids:

1. SOLENOID COIL (Black part with wires to it)
2. VALVE BODY (Metal part that pipes connect to)
3. Together they are called Solenoid valve.



In most cases when a solenoid goes bad what happens is the ignitor buzzes (sparks) trying to ignite burner but no gas is coming through the line and therefore you see no movement on the gas gauge and there is no gas getting to burners to ignite.

In most cases the cause is the Solenoid Coil has gone bad and therefore you just need to replace the coil. This can be done rather quick by

1. Loosening the Top bolt holding Coil to Valve body.
2. Remove coil
3. remove wiring to coil. There may be two colors of wire (generally Red and Blue or red and black) In a 220V setup the colors of wire represent POSITIVE & NEUTRAL. These are not polarized so can be switched out.
4. On the Solenoid there are 3 connectors. The two on each side are for the positive & Neutral. The one in upper middle is GROUND and not used in the ORO or BC OR SEDONA roasters.

To remove wire harness loosen the Phillips crew and pull off wire harness. Next gently pry open the wire connector and remove wiring from old coil and put on new cool in the same way.

Now you can reattach the new coil to valve body, tighten bolt and test.

In rare cases the entire Solenoid valve may need replaced

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SOLENOID

[HTTPS://YOUTU.BE/AMXWkVMFC5I](https://youtu.be/AMXWkVMFC5I)

GENERALLY WIRING WITH POSITIVE & NEUTRAL IS A BIG DEAL WITH 110 BUT NOT AS MUCH WITH 220 AS POSITIVE AND NEUTRAL ON A 3 WIRE SYSTEM SHARE THE VOLTAGE AND ONLY THE GROUND BECOMES THE BIG ISSUE- BUT SINCE FACTORY TRICKED ME WITH THIS NEW SOLENOID I SAY BE SURE ON THE SAFE SIDE TO KEEP POSITIVE ON POSITIVE.

ON THE ORO 2.5 & 5 MODELS:
THE POSITIVE IS #1 AND NEUTRAL #2
POSITIVE GOES ON 1

WIRING:

[HTTPS://YOUTU.BE/RNVBAZGGTGO](https://youtu.be/RNVBAZGGTGO)

