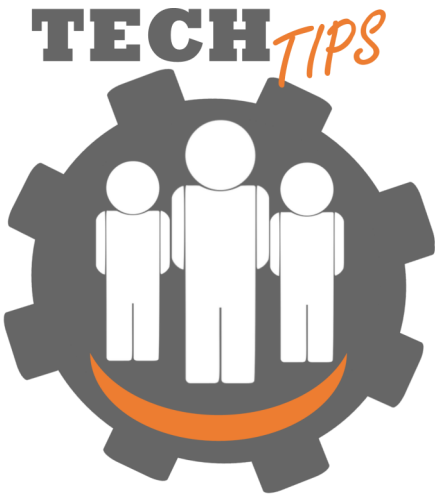


VULCAN® THERMOCOUPLE REPLACEMENT



If your Vulcan® burnout furnace is displaying an “**ERROR CODE 2**” message, this means you may have a shorted thermocouple and its time to replace it.

To purchase a new thermocouple, call customer service at 1-800-800-7496 and provide the thermocouple item number: **#TC-005**. For other spare parts, refer to our [Vulcan Spare Parts List](#).

Follow these steps to replace your thermocouple with ease. In the photos provided, we are replacing a three-stage Vulcan burnout furnace, but the technique is identical for both three-stage and single stage furnaces.

Tools & Parts Required:

- Phillips head screwdriver
- Flat head screwdriver
- Replacement thermocouple

STEP #1

Unplug power cord from both the oven and the wall.

STEP #2

Using a Phillips head screwdriver, remove the plate from the back of the oven (see reference photo A).

Once the back plate is removed, the thermocouple will be exposed.

STEP #3

Using a Phillips head screwdriver, unscrew the screw securing the thermocouple bracket (see reference photo B) and remove bracket.

Set bracket aside to reuse when installing the new thermocouple.

STEP #4

Flip the oven on it's back to gain access to the front panel.

Using a Phillips head screwdriver, remove the panel by unscrewing two screws (see reference photo C).

STEP #5

Flip oven upright.

Remove the front panel buy pulling the panel away from the oven (see reference photo D).

STEP #6

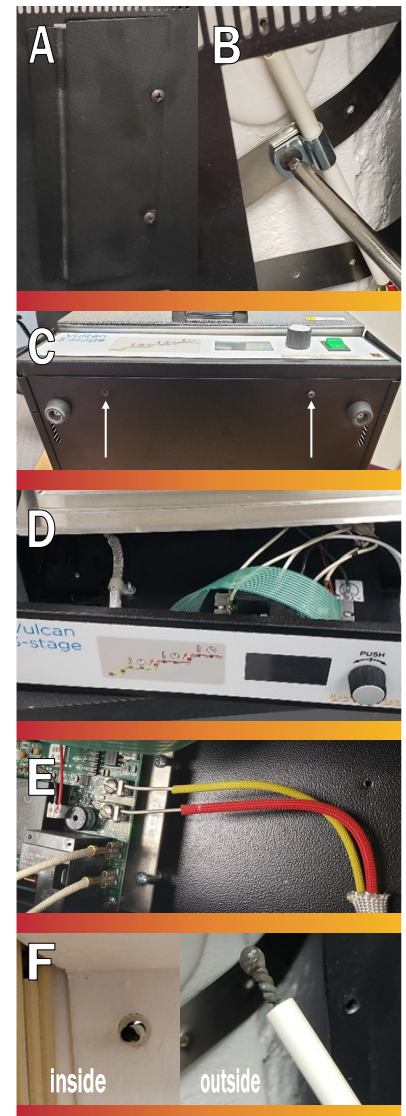
Locate the yellow and red wires that power the thermocouple (see reference photo E).

STEP #7

Using a flathead screwdriver, unscrew the yellow and red wires.

STEP #8

From the back of the oven, remove the top portion of the thermocouple by pulling it out. Inside, the thermocouple should be extending into the oven about ½ of an inch (see reference photo F).



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STEP #9

From the lower opening in back (see reference photo G), pull the thermocouple out of the oven until it is fully removed (see reference photo H).

STEP #10

Bend new thermocouple at bend point (see reference photo I) so it will fit into the oven.

STEP #11

Feed the new thermocouple into the bottom of the oven (see reference photo G).

STEP #12

Using a Phillips screwdriver, reattach the yellow and red wires to the corresponding ports (see reference photo J).

STEP #13

Feed the upper portion of the thermocouple through the hole in the back of the oven (see reference photo K).
Ensure the thermocouple extends into the oven about ½ of an inch.

STEP #14

Using a Phillips head screwdriver, reattach the thermocouple bracket in the back of the oven (see reference photo L).

STEP #15

Using a Phillips head screwdriver, reattach back plate (see reference photo M).

STEP #16

Re-insert the front panel by pushing it into place (see reference photo N).

STEP #17

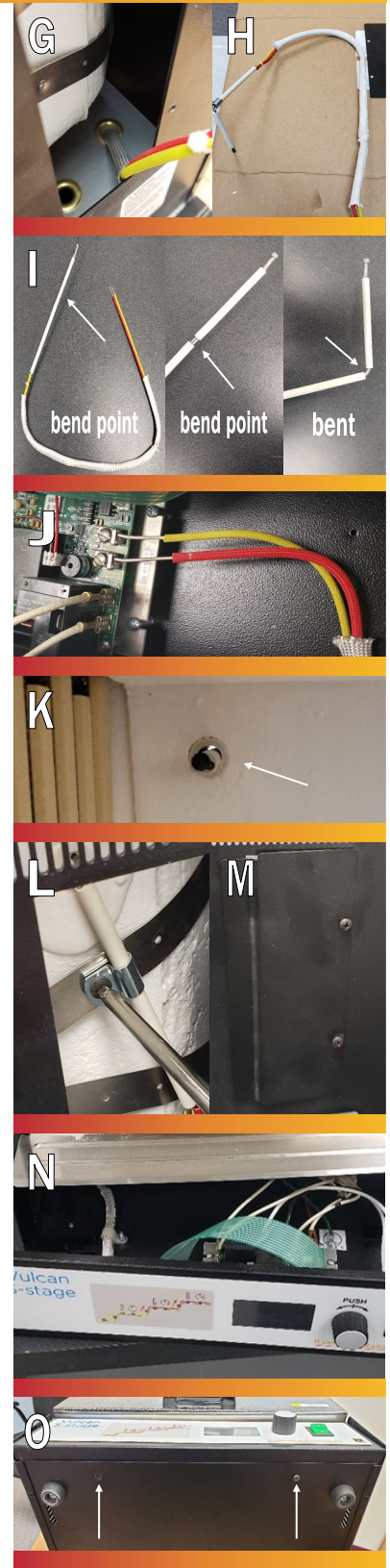
Flip the oven on it's back.
Using a Phillips head screwdriver, tighten the two screws to secure the bottom panel (see reference photo O).

STEP #18

Set oven upright.
Plug the power cord back into both the furnace and wall.
Use as normal.

QUESTIONS?

For technical assistance please call: 1-800-253-4502



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