

GV30 Gas Combination Control Changing the Thermostat KIT G30-ETWG...

INSTALLATION INSTRUCTIONS

FOR OEM USE ONLY

⚠ WARNING

Read these instructions carefully and completely before installing or operating. Failure to follow them could result in a fire or explosion causing property damage, personal injury, or loss of life. Service and installation must be performed by a trained/experienced service technician.

The Mertik Maxitrol product should not be operated until it has been inspected and approved by the local code authority.

WHAT TO DO IF YOU SMELL GAS

- Do NOT operate any appliance.
- Do NOT touch any electrical switch; do NOT use any phone in your building.
- Immediately evacuate the area and contact the gas supplier. Follow the gas supplier's instructions.
- If you cannot reach the gas supplier, call the fire department.

All products used with combustible gas must be installed and used strictly in accordance with the instructions of the Original Equipment Manufacturer (OEM) and with all applicable government codes and regulations, e.g. plumbing, mechanical, and electrical codes and practices.

These instructions do NOT supersede OEM's installation or operating instructions.

Do NOT use a product if you suspect it has been subjected to high temperatures, damaged, tampered with, or taken apart.

Do not remove screws from the gas valve. Do not adjust and/or alter any components marked with tamper indicating paint. Motor knob is not to be removed.

Replacement thermostat must have the same temperature range as the original thermostat.

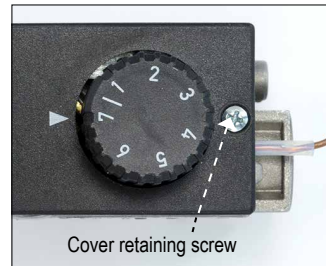


Figure 1



Figure 2

5. Remove Temperature Knob/D-Stem and Brass Knurl:

- Turn the temperature knob counterclockwise to position 7, until end-stop (max. adjustable temperature). Place a small slotted screwdriver on top of the end-stop, parallel to the long side of the valve. Pry the Temperature Knob up to remove it from the brass knurl (see figure 3). Then unscrew brass knurl.
- Turn the D-Stem until end-stop (max. adjustable temperature). Loosen both screws from the D-Stem with a hex 2 mm until you can remove it from the brass knurl (see figure 4). Then unscrew brass knurl.

NOTE: When unscrewing the brass knurl, a small steel ball (see figure 5) will be exposed. If the steel ball is not exposed, it is stuck to the bottom of the brass knurl. The steel ball must be retained and replaced in its original position.

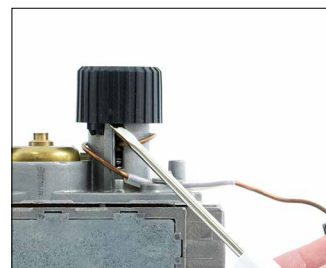


Figure 3



Figure 4

INSTRUCTIONS

- 1. Shut off the gas supply.**
- 2. Follow appliance manufacturer's instructions for gaining access to the gas control.**
- 3. Turn GV30 Valve to the "OFF" position:**
Turn the main valve knob clockwise to the PILOT position. Push in the knob, turn and release. Continue turning to the OFF full clockwise position.
- 4. Remove Cover:**
Loosen and remove the cover retaining screw (see figure 1). Pry off the cover at the snap connection with small slotted screwdriver (see figure 2).

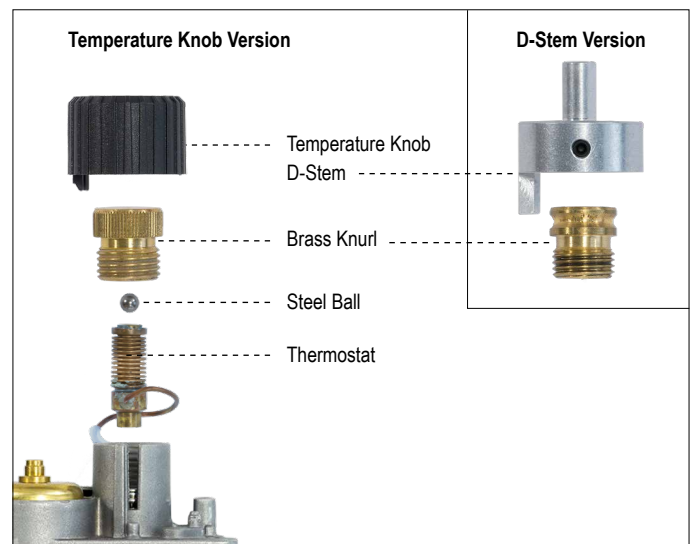


Figure 5

6. Remove Thermostat:

Place a slotted screwdriver between the valve housing and the spring washer (see figure 6). Twist the screwdriver to remove the spring washer. Remove old thermostat.

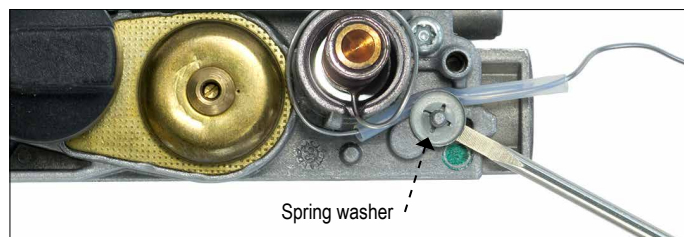


Figure 6

7. Install Thermostat:

Install the new thermostat. Place the steel ball on top of the thermostat. Replace the brass knurl and turn clockwise one turn only.

8. Replace all appliance parts and shields:

Affix the capillary with the spring washer. Avoid tension, pinching and/or severe bending of the capillary (min. bending radius 15 mm/.6").

9. Turn on gas supply.

10. Turn the valve to the PILOT position:

Turn main valve knob slightly counterclockwise towards the IGN position until it stops, then press down and continue turning counterclockwise to the PILOT position. Continue to hold down the knob for 10 seconds after the pilot burner has been lit.

⚠ WARNING

If the pilot does not stay lit after several tries, turn the main valve knob to the PILOT position. Push in the knob; turn and release. Continue turning to the OFF full clockwise position. Call your service technician or gas supplier.

11. Turn the valve to the ON position:

Determine the appropriate temperature knob/D-Stem setting according table 1 for the max. temperature. Turn the main valve to the ON position, and wait until the desired temperature is reached.

KIT (Sensor)	Temperature Range					
	From		To (= end-stop of valve)		Temperature difference from level to level	
	°C	°F	°C	°F	°C	°F
G30-ETWGC	30	86	110	230	13.3	24
G30-ETWGD	40	104	90	194	8.3	15
G30-ETWGF	13	55.4	42	170.6	4.6	8.7
G30-ETWGL	30	86	100	212	11.7	21
G30-ETWGQ	66	150.8	260	500	32.3	58.2
G30-ETWGS	13	55.4	42	107.6	4.6	8.7
G30-ETWGU	25	77	43	109.4	3.0	5.4
G30-ETWGY	110	230	190	374	13.3	24
G30-ETWGZ	100	212	340	644	40.0	72
G30-ETWG2	13	55.4	42	107.6	4.6	8.7

Table 1

12. Calibrate Temperature Knob/D-Stem to max. temperature:

- If the desired temperature is reached, turn the brass knurl clockwise until the thermostat shuts the unit off. Press the new temperature knob onto the brass knurl, align the end-stop of the temperature knob to position 7, to the end-stop of the valve.
- If the desired temperature is reached, turn the brass knurl clockwise until the thermostat shuts the unit off. Press the D-Stem onto the brass knurl to the end-stop of the valve. Tighten the two screws from the D-Stem with a hex 2 mm until you can't remove it from the brass knurl.

13. Install cover.

14. Run a test to confirm the calibration.

MERTIK MAXITROL®