



Exploded View - Residential Gas (typical)

Reference Number	Part Description	Quantity
1	Gas Valve (Thermostat)	1
2	Pilot Supply Tube	1
3	Thermocouple	1
4	Burner Supply Tube	1
5	Burner Orifice	1
6	Burner	1
7	Pilot Burner	1
8	Drain Valve Shroud	1
9	Drain Valve	1
10	Jacket Door	1
11	Inner Door	1
12	Flue Baffle	1
12A	Flue Baffle Hanger	1
13	Anode Rod	1
14	Draft Hood	1
15	Dip Tube	1
16	Dip Tube Gasket	1
17	Temperature and Pressure Relief Valve	1
18	Rating Plate location with model number and serial number	N/A

**Burner Assembly-**

Metal fluted plate that disperses the main gas supply for ignition. The burner assembly provides the flame and heat to the water heater.

**Dip Tube-**

Non-metallic tube extending from the cold water inlet to a predetermined area of the tank near the bottom of the tank that feeds water into the system. The cold water pressure forces the hot water out of the faucet when there is a demand for hot water. The length of the dip tube will vary from product to product. It is designed to not allow stacking of short draws of water.

**Draft Diverter-**

Capping device that connects the water heater to the venting system. The draft diverter aids in the venting by providing a higher ambient air pressure and assists in the updraft movement of combustion gases.

**Drain Valve-**

Valve used primarily to drain the hot water when performing periodic cleaning or replacing a part.

**Flue-**

Venting device that carries the combustion air and discharges it to an outside atmosphere.

**Flue Baffle-**

Device that retards air movement through the flue. Keeps the heated combustion gases in the flue longer for maximum heat dispersion to the tank water.

**Gas Control Valve- (also referred to as the thermostat)**

Device that takes the unregulated main supply gas and regulates the gas for use by the water heater. Contains independent and regulated flow paths for the pilot burner and the main burner. Also contains built in safety features designed to shunt the gas supply during potentially dangerous situations. The gas control valve has a built in immersion thermostat.

**Temperature and Pressure Relief Valve-**

Safety device that vents extreme pressure and exceedingly hot water outside the tank to prevent tank rupture and explosion. Commonly called the T&P valve, it is designed to operate at approximately 150 PSI or 210° F.



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**Thermocouple-**

Bi-metal device that, when heated by the pilot flame, carries milivolt current to the magnet assembly inside the gas control valve.

