



Exploded View - Residential Electric (typical)

Reference Number	Part Description	Quantity
1	Dip Tube Gasket or Heat Trap Fitting Gasket (not all models)	2
2	Dip Tube	1
3	Anode Rod	1
4	Electrical Connection Plate Cover	1
5	Junction Box Electrical Connection Cover	1
6*	Upper Thermostat (on double element models only)	1
7*	Upper Thermostat Protective Cover (double element models only)	1
8*	Cavity Insulation (two required for double element models)	2
9*	Jacket Access Panel (two required for double element models)	2
10*	Heating Element Gasket (one required for each element)	2
11*	Heating Element (two required for double element models)	2
12*	Thermostat Mounting Bracket (one required for each element)	2
13	Lower Thermostat	1
14	Lower Thermostat Protective Cover	1
15	Drain Valve	1
16	Drain Valve Shroud	1
17	Temperature and Pressure Relief Valve	1
18	Hot Outlet Heat Trap (not all models)	1
19	Rating Plate location with model number and serial number	N/A

**Anode Rod-**

Rod made of a magnesium alloy that aids in the cathodic protection of the inner tank through the control of electrolysis. An anode rod can be made of any material that is more negative than the steel of the tank.

**Dip Tube-**

Non-metallic tube extending from the cold water inlet to a predetermined area 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 for short draws of water.

**Drain Valve-**

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

**Cavity Insulation-**

Insulation between the steel tank and the outer jacket that helps prevent heat loss to the ambient atmosphere.

**Lower Heating Element-**

Heating element located on the lower half of the tank. The lower heating element does most of the water heating.

**Lower Thermostat-**

Thermostat that controls the lower heating element. Depending on the configuration of the water heater, the lower thermostat may also have a high limit switch.

**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 150 PSI or 210° F.

**Upper Heating Element-**

Heating element located on the upper half of the tank.

**Upper Thermostat-**

Primary controlling thermostat of the water heater. Contains a high limit safety switch and a 'swing pole' switching mechanism. In a non-simultaneous operation, the upper thermostat relays power to the upper heating element or the lower thermostat.



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