

The maintenance activities described below are only to be performed by the **Installer / Qualified Service Provider**. These maintenance items should be performed during recommended **annual** service and any service calls.

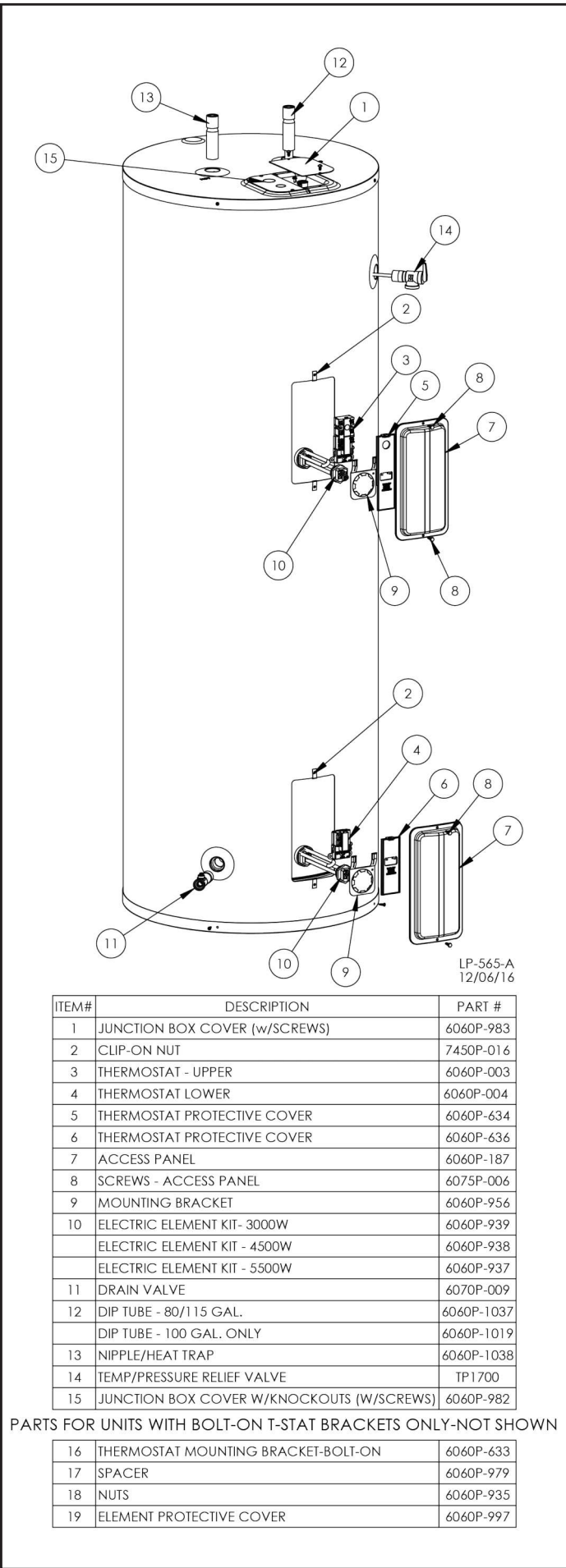
1. Ask the owner / user if there have been any issues with the water heater. Diagnose any heater issues and repair / replace parts as necessary.
2. Check the water heater and related plumbing for leaks. Repair any that are found.
3. Check the area around the water heater for flammable liquids or combustible materials. If any are found, remove from the area.
4. Check the heating elements while the heater is in operation. If the elements are hissing / singing excessively, they may need to be cleaned. Inspect the elements and clean if necessary.
5. Inspect the Temperature and Pressure (T&P) Relief Valve. See instructions below.
6. Turn power supply off to the water heater. Open the drain valve and drain a few gallons of water from the tank to clear any hard water deposits. Once complete, close the drain valve and restore power to the water heater.

**WARNING**

**T&P Relief Valve Maintenance Instructions:**

- Annually:** Certain naturally occurring mineral deposits may adhere to the valve, blocking waterways and rendering the valve inoperative. The T&P Relief Valve lever must be operated to ensure the waterways are clear. If waterways are clear, hot water will discharge from the valve. Take precautions to avoid personal injury and property damage from contact with hot water. Before operating lever, check to see that a discharge line is connected to the valve, directing the flow of hot water from the valve to a proper place of disposal.
- Replacement of the valve is required if no water flows when the lever is operated. Turn the water heater off until the valve is replaced.
- If water flows from the valve, drain a few gallons from the tank to ensure the water flows freely.
- At least once every three years:** To ensure that the T&P valve has not been affected by corrosive water conditions and that the valve and discharge line have not been altered or tampered with illegally, relief valves should be inspected, and replaced, if necessary, by a licensed plumbing contractor or qualified service technician.

**Failure to comply with these guidelines could result in failure of relief valve operation, and possibly result in substantial property damage, severe personal injury, or death.**



**Figure 9 - Replacement Parts - Staged Operation**