

## Part # 4 -- Heater & NTC (1)

### **Disassembly**

The heater & NTC can be accessed or measured from the right side of the dishwasher, but can only be removed by dropping the entire base (by flipping the dishwasher on its back) since they are wedged underneath the tank.

#### **For access to heaters & NTC's:**

Tools needed: T-20 Torx screwdriver & pliers.

- 1. Remove outer door** – see page 3.
- 2. Remove toe kick** – see page 4.
- 3. Remove right/left side panels** – see page 4.
- 4. Raise right side of tank** – see page 5.

**HINT:** The fascia panel and door don't need to be removed to access the heater & NTC. However, the door must be removed to completely remove the tank.

**HINT:** Remove all water from the sump and hoses before accessing the heater -- when the dishwasher is flipped on its back, water can enter the water fill assembly diaphragm and cause the dishwasher to not fill properly.

#### **To separate base from tank (1):**

1. Carefully lay dishwasher on its back.
2. Carefully pull door springs out from base.



***Placing on back***



***Pulling out door springs from base & disconnecting cords***



## Part # 4 -- Heater & NTC (2)

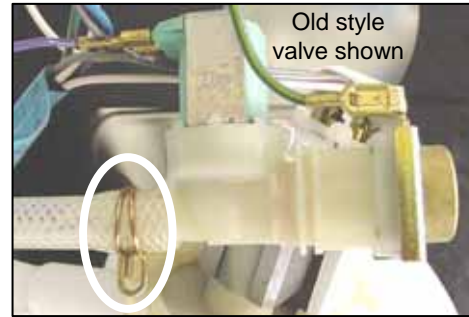
### **To separate base from tank (2):**

3. Remove terminal blocks from base (for two-piece harnesses).
4. Disconnect hose from water valve (or remove water valve from base if easier).
5. Disconnect J-box ground wire, then pull wires out of J-box.
6. Pull out inlet hose from sump.
7. Carefully pull base away from tank and sump.

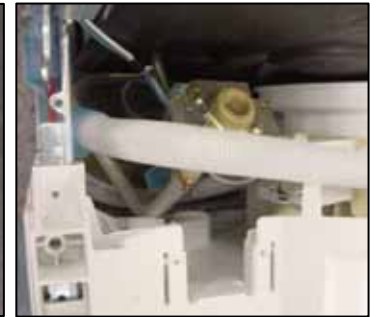
**HINT:** Remove water from sump and hoses before laying dishwasher on its back (to avoid water entering water fill assembly & causing faulty water filling).



***Removing terminal blocks from base***



***Disconnecting hose from water valve***



***Pulling J-box wires***



***Pulling out sump hose***



***Pulling base carefully from tank & sump***



## Part # 4 -- Heater & NTC (3)

### To remove heater & NTC:

1. Remove two (2) T-20 Torx screws holding heater assembly to sump.
2. Disconnect wires from heater, flow switch, NTC & Hi-Limit after noting connections.
3. Pull clips, then carefully pull heater assembly from sump & pump. Note heater comes as an assembly (with housing & gasket).

**NOTE:** Softer bearing & non-softer bearing heater assemblies, circulation pumps and sumps **cannot** be mixed and matched. Softer bearing heaters don't fit in older models and older heaters don't fit in softer bearing models.

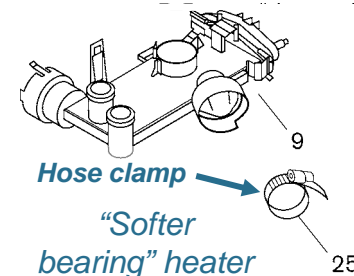


**HINT:** If needed, use rinse-aid to lubricate gaskets to make it easier to assemble heater to sump and pump.

### **Heater assembly    Removing heater screws    Removing heater from sump/pump**

**NOTE:** Softer bearing & non-softer bearing heater assemblies are connected to circulation pumps differently:

- Softer bearing models (UC/11 & above) have gasket assembled to heater and have a separate hose clamp (order # **172272**).
- Older models (UC/06) have a separate gasket and do not have a hose clamp.



**HINT:** Heater assemblies contain NTC's, Hi-Limit's & flow switches (& aqua sensors where applicable). If heaters are replaced, these parts are replaced too.