



# Ironwood Recommended Ultrasonic Cleaning Procedure for Socket Housing Assemblies

## OVERVIEW

- If the Socket Housing has excessive debris buildup, it is strongly recommended to perform thorough cleaning with an Ultrasonic Cleaner
  - Note, only perform this cleaning procedure in a well-ventilated area with an Exhaust Hood
  - The Ultrasonic Cleaner should have a maximum Power rating of 500W
  - It should also have a catch basket in the tank (see image below)

### Step-1: Prepare Socket Housing:

- Remove the Socket from the load board
- Gently brush the socket housing with a soft non-metal brush to remove any loose debris
- Remove any known parts that should not be submerged (example the socket lid assembly)

### Step-2: Prepare the Ultrasonic bath:

- Carefully fill the tank with a 5% concentration of household white vinegar (Heinz Vinegar) image below
  - There should be enough solution to just cover the sockets, until they are completely submerged
- Place sockets in the catch basket “pins up” to prevent the socket from touching the tank debris (Figure-1)

### Step-3: Perform the cleaning:

- Heat the vinegar solution in tank to ~40-50C temperature
- Clean Socket Housing for 30-60 minutes (depending on how dirty they are)
- Once clean, rinse the Socket Housing in DI or distilled water, and then dry it completely
  - Air dry or bake parts at 100°C to remove moisture
  - If necessary, dry the socket with heated air (like a household hair dryer - not a heat gun)



Figure - 1:

Socket shown submerged in white vinegar in Ultrasonic tank



Example of Heinz Vinegar Bottle