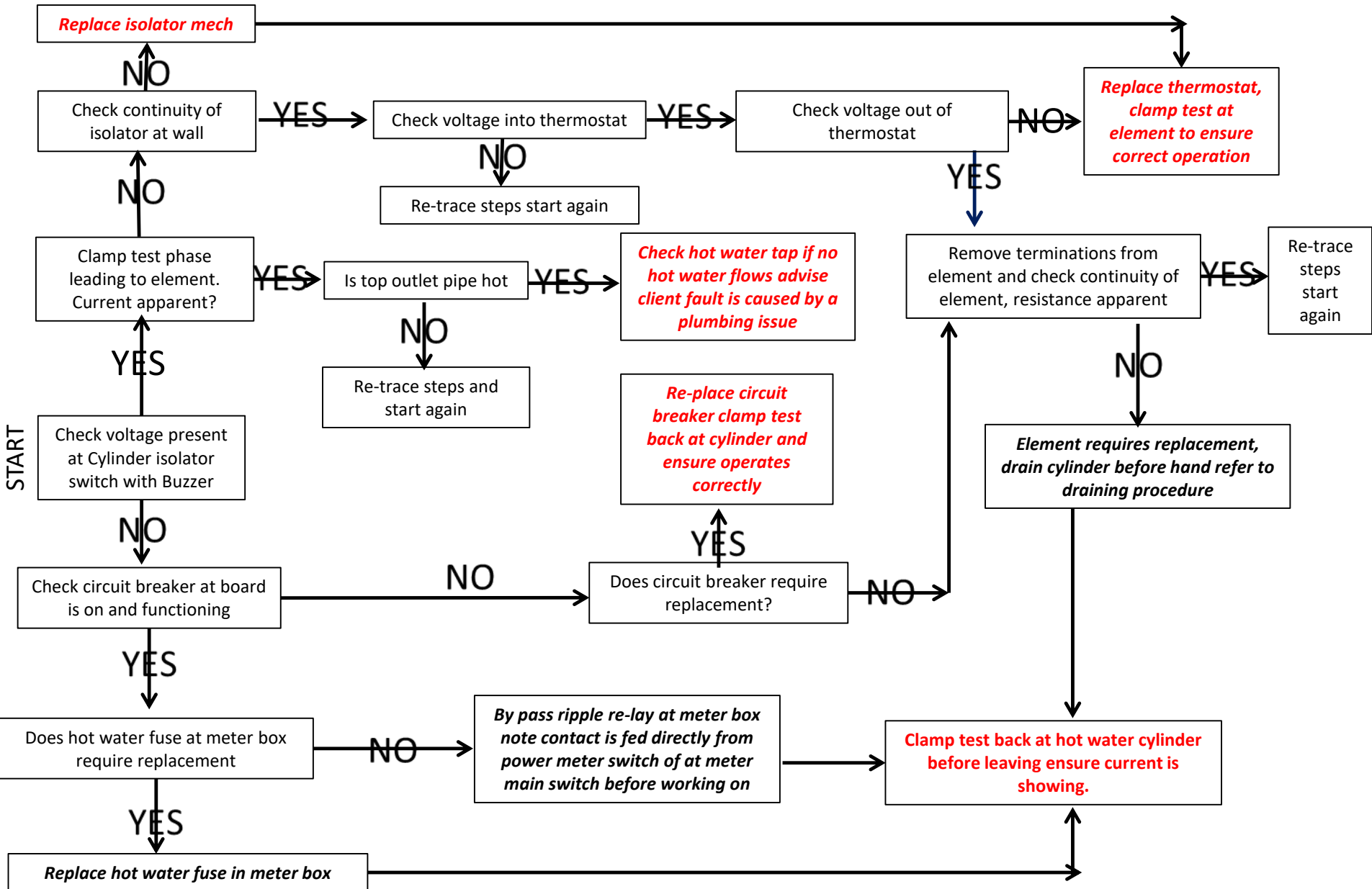


No Hot water fault diagnostic, Flow Chart



Hot Water Cylinder Draining and Element Replacement Procedure

1. Isolate mains water supply either by closing mains water valve at street or if on tank water by isolating power supply to mains water pump.
2. Isolate inlet valve to water cylinder generally located at inlet port at bottom of cylinder.
3. Open several hot water taps throughout house this allows air back into the cylinder.
4. Loosen hot water element, ensure that element is still located in cylinder tight enough to stop water from escaping through the element port.
5. Locate cylinder drain pipe leading outside and ensure if applicable crox nut is removed from pipe leading outside.
6. Open inlet valve of cylinder, water will begin to flow in reverse direction back through the inlet port and out the drain leading to outside.
7. Once cylinder is emptied below element port remove element and replace with new. Ensure relevant seals are replaced around element as required these will be supplied with the new element.
8. Refill cylinder by opening the street water valve or replacing the power supply to the water pump. When cylinder is nearly full you will find taps cough **Leave taps open** and allow water to run until all taps stop coughing and a steady stream of water flows from every tap opened. Water may come out brown from taps this due to the sediment in the bottom of the cylinder being disturbed and mixing with the water this will eventually stop and the water will become clear again 'This will need to be explained to the customer'
9. Connect element to supply and **Clamp test** with clamp meter before leaving.
10. Check everything removed has been returned as it was before arriving. Ensure isolator is **ON**.

Note a clamp test proves that voltage and resistance is apparent on the system.

