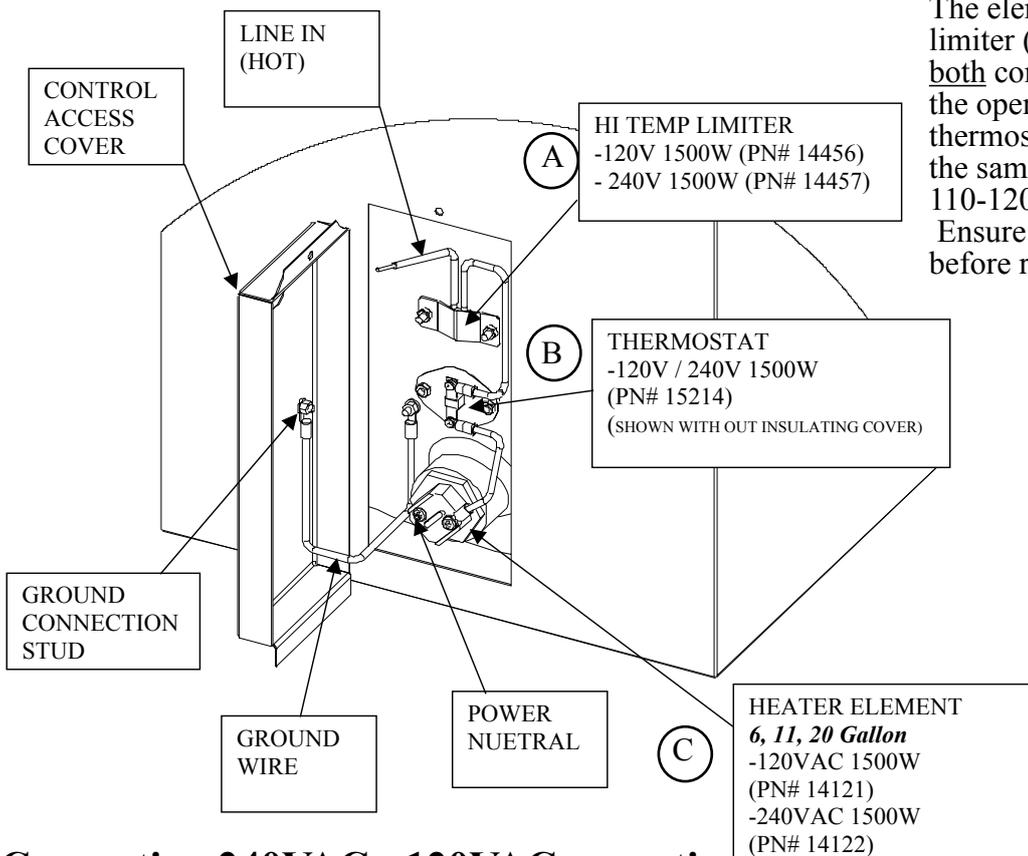


## KUUMA Hot Water Systems

### - Service Note: 240VAC to 120VAC conversion



The element (C) and hi-temperature limiter (A) are voltage specific so both components must be changed if the operating voltage changes. The thermostat (B) is multi-voltage so the same component is used for both 110-120 and 230-240VAC. Ensure all power is disconnected before removing access cover!

### Converting 240VAC - 120VAC operation

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#### **1. Ensure all power is disconnected before removing access cover!**

- Remove the (4) screws on the access cover to expose the electrical components.

#### **2. Replace the 240 VAC Hi-temperature limiter (clear cover part#14457) with the 120 Volt Hi-temp limiter (white cover part#14456).**

- The Hi-temperature limiter is fitted to the retaining studs with two nuts and lock washers. Remove the two nuts (7mm socket) and washers. Remove the HT electrical terminal from the thermostat.  
- Install the 120VAC hi-temp limiter in reverse order. - Caution! Do not overtighten! The mounting studs are alloy and will break off if overtightened! Use a 7mm socket 'finger-tight' only.

#### **3. Replace the 240VAC element (part# 14122) with a 110-120 VAC element (part # 14121)**

Remove the ring terminal from the end of the element. Using a 38mm socket remove the 240 VAC element from the water heater. Apply a small amount of high temperature thread sealant to the element threads and tighten until the gasket is fully compressed. Replace the ring terminal on the element end.  
- Secure the access cover with the (4) screws removed in step 1.

Caution! Ensure the tank is full of water before energising! Check for leaks before leaving.