

FOR QUALIFIED SERVICE PERSONNEL ONLY.

TROUBLE SHOOTING ELECTRIC WATER HEATERS

CAUTION: Make certain power to heater is **OFF** before removing jacket access panel(s) for any reason.

NATURE OF TROUBLE	POSSIBLE CAUSE	SERVICE
No Hot Water	1. Water Heater Switch turned off.	Turn to ON
	2. Improper Wiring	**Rewire per wiring diagram
	3. No Power — blown fuse	
	a. Shorted wiring	**Replace or repair
	b. Circuit over load	**Provide adequate circuit
	c. Improper wiring	**Recheck wiring
	d. Grounded Element or Thermostat	**Replace safety controls
	4. Manual reset limit open	
	a. Thermostat malfunction	**Adjust setting or replace
	b. Heat build-up due to loose wires	**Tighten connections
	c. Switch malfunctions	**Replace
Not enough Hot Water	1. Heater undersized	Install proper size heater
	2. Element malfunction	**Replace element
	3. Thermostat malfunction	**Check wiring — replace
Water too hot or not hot enough	1. Thermostat setting too high or low	**Change setting as required
	2. Thermostat out of calibration	**Adjust setting or replace
	3. Insulation around elements not properly replaced	**Replace insulation properly

****CAUTION:** For your safety, **DO NOT** attempt repair of electrical wiring, thermostat(s), heating elements or other operating controls. Refer repairs to qualified service personnel.