

WATER HEATER TECHNICAL BULLETIN

BULLETIN GROUP 4

PREMATURE FAILURE

SYMPTOMS	<ul style="list-style-type: none"> • Thermal Expansion • Undersized Unit 	<ul style="list-style-type: none"> • No Cathodic Protection • Heavy Mineral Deposits
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CAUSES	<p>Bulged tank bottoms and crooked spud/nipples</p> <ul style="list-style-type: none"> • Heavy condensation • Excessive heat due to lime build up above thermostat probe
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IDENTIFYING THE PROBLEM

<i>Symptom</i>	<i>Cause</i>	<i>Means of Treatment</i>
Thermal Expansion	Bulging heater	see Bulletin 41 & 45
	Dripping temperature & pressure relief valve	
Undersized	Heavy condensation	see Bulletin 42
	Rust flakes on burner(s)	
Cathodic Protection	Only core wire present on anode rod	see Bulletin 43 & 44
	Anode rod not installed in heater	
	Softening to zero parts per million	
	Stray voltage grounded to heater	
Deliming	Heavy mineral deposits in bottom of tank	see Bulletin 13