

# AutoShack Weekly Tip



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## DANGERS OF USING WATER AS COOLANT

- Cooling system failures account for about 60% of mechanical breakdowns.
- If your cooling system fails, your engine is likely to suffer major mechanical and thermal stress-related damage.
- Typical engine operating temperature is about 105 Degrees Celsius (220 Degrees Fahrenheit)
- Water boils and becomes vapor at around 100 Degrees Celsius (212 Degrees Fahrenheit)
- Since it is liquid (not vapor) that cools and protects an engine, it is not recommended to use water as coolant because it vaporizes before an engine reaches it's optimum operating temperature.

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