

# How To Prevent Ethanol Damage

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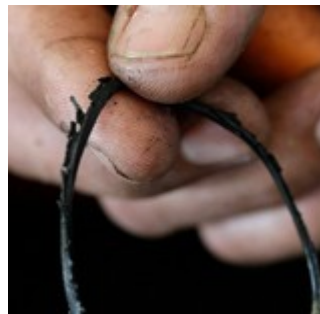


*This picture shows one of the final destinations for resin dissolved by ethanol-blends*

Ethanol can dissolve the resin in fiberglass fuel tanks and damage fuel lines. This may result in expensive engine repairs and could create a fire hazard due to fuel leakage.



*Plugged Fuel Jet*



*Deteriorated Bowl Gasket*



*Corroded Fuel Filter*

Ethanol is hygroscopic, which means it will absorb the humidity from the air into the fuel supply. This causes a condition called Phase Separation, which can reduce the useful life of ethanol-gasoline blends by as much as 75%.

When water and ethanol combine, they sink to the lowest point in the fuel system - usually the carburetor on small engines. The highly corrosive nature of ethanol in combination with water begins rusting steel components, dissolving plastics, rubber, aluminum and gaskets. The debris usually ends up in the carburetor jets, causing a no-start or no-run condition.

At **Bell Performance**, we formulate products to protect engines from this kind of damage. Our **Mix-I-Go** and **Marine MXO** treatments will protect fuel system components from the corrosive effects of ethanol and phase separation. They will also stabilize ethanol-blends, extending their useful life

