



Run-Rite Fuel System Service Still a Valuable Procedure...

Several manufacturers have issued bulletins that no longer recommend fuel system service. But that only applies to the factory service; not Run-Rite. Here's why:

Early fuel injectors used a pintle and seat to control fuel flow. These injectors operated on clearances of as little as 0.002" — less than the thickness of a typical human hair! So it didn't take a lot of dirt to affect fuel flow.

These manufacturers developed a fuel system service that required a highly caustic cleaner to scrub away deposits. It worked, but it wasn't safe for rubber or plastic components. That was okay on those early injectors.

Today, those injectors have been replaced by ones using a ball-and-seat design. You may see them identified as "pintle-less," or Multec injectors. These injectors are less likely to clog than early, pintle-style injectors.

More importantly, the injector electrical windings now run through the fuel passages in the injector. The object is for the gas to keep the injectors cool.

Problem is, that early, caustic cleaner would damage the injector windings, causing the injectors to short out and burn. So the manufacturers avoid the issue simply by recommending against cleaning the injectors.

But that doesn't mean deposits won't still build up in the system. The gas is the same, and it still leaves dirt and deposits on the intake manifold, intake valves, combustion chambers... and even the injector nozzles.

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In fact, back in 1994, at the Society of Automotive Engineers conference, Combustion Chamber Deposits was a major topic. Even with the changes in the injector design and gasoline formulas, these problems persist. Their conclusion was that performance robbing deposits must be removed to restore peak efficiency and mileage.

And even today, most factory service manuals recommend carbon removal or combustion chamber cleaning to improve driveability.

Run-Rite fuel injection cleaners are effective for removing deposits and carbon buildup, and will bring the fuel and induction system back to like new operating condition.

But they're gentle enough to prevent damage to the new, pintle-less injectors. Run-Rite fuel and induction system service doesn't contain any of the harsh chemicals that would void the factory warranties.

So with Run-Rite, you're offering a safe, effective service that will help improve vehicle performance and efficiency. It's a win-win for both you and your customers.