

Just the Facts

Water Intrusion and Premature Coil Failure (E255)

Coils and Water Don't Mix!

On some GM models, water intrusion will cause premature failure of the coil and spark plugs—it's not a coil problem!

Signs of Premature Failure

If a customer complains of a rough idle and/or the MIL/SES light flashes on after a rain shower or car wash, this may indicate water intrusion.

Check for possible DTC codes P0300 through P0306 and inspect the coils and spark plugs. If upon inspection of the coils, a white chalk-like build-up on the inside and/or outside of the spark plug boots is detected, the coils have been damaged and must be replaced—BWD hi-quality E255 coils should be installed. It is also advised that the spark plugs be replaced.



E255



The Remedy

Water can seep past the engine cam cover and collect below the coils in the spark plug wells of the cylinder head resulting in a possible misfire. To prevent this condition from reoccurring, the AIP seal must be replaced with a replacement seal that redirects the water away from the engine cam cover.

Vehicles Involved

4.2 Inline 6 cylinder LL8 Engine
(VIN code S – PRO LL8)
2004-2007 Buick Rainier
2002-2007 Chevrolet TrailBlazer
2002-2007 GMC Envoy
2002-2004 Oldsmobile Bravada
2005-2007 Saab 9-7X



The logo for BWD (BWD Brand) in a stylized red font.