

UNDERSTANDING ANTI-SEIZE USE ON SPARK PLUGS

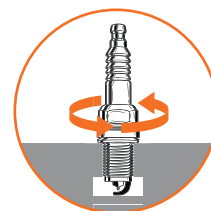


TECHNICAL INFORMATION

WHY ANTI-SEIZE CAN BE PROBLEMATIC

Anti-seize Increases Spark Plug Rotation Due to Its Lubrication Properties

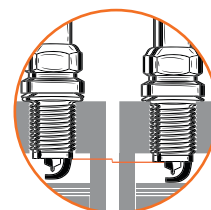
Anti-seize is a lubricant and as such, a part torque with anti-seize will turn more than a plug without anti-seize to hit the desired installation torque.



POTENTIAL ISSUE USING ANTI-SEIZE

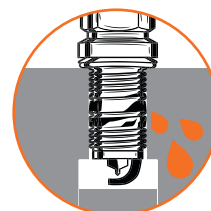
Deeper Plug Insertion into Combustion Chamber

This may result in the plug sticking deeper into the combustion chamber than one without anti-seize. This may result in engine damage due to clearance issues or the plug overheating due to more plug exposure to combustion.



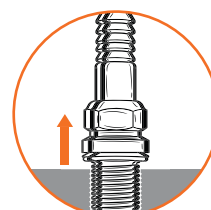
Thread Stretch and Internal Leakage Risk

This may result in the plug thread being stretched more and increasing the chance that the anti-seize plug might start to leak internally.



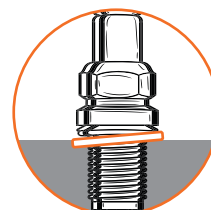
Loss Of Spark Plug Retention

For spark plugs with smaller thread diameters and shorter thread bodies, the plug may back out during use causing the plug to overheat and cause engine damage.



Gasket Seal Failure After Reinstallations

If the plug has an external gasket and you torque the plug to the required installation torque, the external gasket might not seal properly with the second or third installation due to excessive gasket collapse during installation.



ANTI-SEIZE SHOULD ONLY BE USED WHERE THE OE INSTALLATION INSTRUCTIONS REQUIRE IT.