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Topic

Spark Plugs for Ford's '3-Valve' Triton Engines (4.6L, 5.4L, and 6.8L)

Background

The 3-valve 4.6L, 5.4L and 6.8L engines found in many 2004-2008 Ford, Lincoln, and Mercury vehicles, came equipped from the factory with a special design long reach spark plug. During removal of these plugs, technicians and/or customers often discovered that part of the spark plug was seized within the cylinder head and any excessive force during the removal process, separated the spark plug below the hex from the remainder of the metal shell, which remained seized in the cylinder head.



Please note that due to the inherent design issues with this plug, NGK as a company has decided not to develop it and hence will not cover these model year applications with any of its part numbers.

Solution

To eliminate similar problems with future models, Ford, in late 2007 introduced the new engine configuration which used a different type of spark plug for these engines. So beginning with 2008 model year, some 2008 but all 2009 & UP 3-valve Ford triton engines can now use NGK part number "**PZNR6A11-H**". This plug design is also available in Iridium IX and G-power versions i.e., ZNAR6AIX-11 and ZNAR6AGP respectively.



Please note that for the 2008 Model year, Ford has a mid-year split in the engine design and/or configuration and these NGK part numbers can **ONLY** be used with newer configuration that from the factory came equipped with brown colour spark plug boots.

Additional information

Please be advised that these new NGK part numbers are **NOT** backward compatible and cannot be used as a replacement plug on older design 3-valve 4.6L, 5.4L and 6.8L engines found in many 2004-2008 model year applications that from the factory came equipped with black colour spark plug boots.

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