



Premium Engine Solutions
BECAUSE DOWNTIME IS NOT AN OPTION.

H1134CPA PISTONS

Problem Solving Solution for 04-07 GM Big Block 8.1L Engines

PROBLEM

Many engines including the 2004-2007 GM Big Block 8.1-liter engines are prone to elevated crown temperatures and hot spots on the pistons due to inadequate cooling.

These hot spots cause micro-welding of the top ring to the groove surface. Micro-welding is the transfer of aluminum from the groove to the surface of the ring which reduces the ring's ability to seal while causing the groove to deteriorate. The high temperatures in the groove also exacerbate ring groove pound out and reduce the piston's life.

SOLUTION: SEALED POWER HARD-ANODIZED TOP RING GROOVE

In engines exhibiting these high temperature conditions and a propensity to micro-welding, our engineers require hard-anodizing for the top ring groove and a taller top land. The taller top land moves the ring into a slightly cooler zone while hard-anodizing in the groove further combats micro-welding. The result is a superior high-quality piston with what it takes to live in these high-output engines.



Part Number	Size
H1134CPA	Standard Size
H1134CPA20	Oversize Inch .020
H1134CPA30	Oversize Inch .030
H1134CPA40	Oversize Inch .040
H1134CPA60	Oversize Inch .060

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