GM V8 Gen III & IV

4.8 / 5.3 / 5.7 / 6.0 / 6.2

Value added Quality Improvements from JASPER®

Issue / Concern:	JASPER Solution:
Cracked cylinder heads causing coolant loss	• JASPER uses a reverse torque sequence when removing head bolts to prevent cracks during disassembly. • Cylinder heads are 100% inspected for cracks. The head and head bolts are hydraulically clamped, which simulates head installation and allows cracked heads to be easily identified and discarded.
Piston issues causing oil consumption	• JASPER-designed pistons offer profiled ring lands for scuff resistance under load; increased strength to withstand higher combustion pressures; and improved stability which reduces blow-by. • 100% use of graphite-coated pistons to prevent scuffing and wear. • JASPER-designed pistons provide four times more oil drain back to prevent the rings from sticking.
Piston slap on cold start	• JASPER-designed pistons provide improved piston profile and through torque-plate honing, provides a tighter piston-to-cylinder wall clearance to prevent “cold piston slap.”
Oil consumption issues	• Cylinder bores are honed with steel torque plates that are torqued with ARP2000® bolts to simulate cylinder bore distortion, which occurs after head assembly, ensuring correct bore roundness. • 100% installation of oil pressure relief valve baffle on all 2007 and later applications to redirect oil into the pan (Standard from OE on 2011 and later vehicles).
Valve guide wear causing oil consumption	• 100% installation of nitrided valves to improve durability and reduce friction.
Lifter noise for Gen IV engines	• Latest-design Active Fuel Management (AFM) lifters are installed to increase oil flow during start-up and reduce lifter noise (2005 – present).

3 Year/100,000 Mile Nationwide Parts & Labor Warranty

Full warranty disclosure available at
www.jasperengines.com or upon request.
Specifications subject to change without notice.

JASPER GO! ENGINES & TRANSMISSIONS
100% Associate Owned

Remanufactured in the U.S.A.

815 Wernsing Road • P.O. Box 650 • Jasper, IN 47547-0650
(800) 827-7455 • Fax (812) 634-1820 • www.jasperengines.com

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Low oil pressure	• JASPER-remanufactured oil pump includes a more rigid spring, tighter clearance for backing plate flatness and is tested for increased oil pressure and flow. • 100% installation of the latest-design block oil galley plug to correct inconsistent oil flow and prevent low oil pressure. • Hydraulically installed cam bearings provide precise alignment, eliminating distortion of the bearings for improved oil flow and pressure.
Broken exhaust manifold bolts	• 100% NEW exhaust manifold bolts are included.
Runnability and leaks	• Oil pump, oil pan, timing cover and rear cover are installed. • 100% live-run tested to ensure proper compression, vacuum, and oil pressure. • VVT actuator and/or AFM solenoid function is tested where applicable. • 100% black light tested to ensure no leaks.
DOD/AFM Delete	• JASPER offers DOD/AFM Delete as an option for the 5.3, 6.0, and 6.2 engines. • DOD/AFM Delete will have a Non-DOD/AFM Cam, 16 standard lifters. • DOD/AFM Delete option is 50 state compliant (CARB E.O. D-391-2). • Tuner is included with all DOD/AFM engines.

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