FORD 4.6 / 5.4 / 6.8

Value Added Quality Improvements from JASPER

Issue / Concern:	JASPER Solution:
Cylinder blow-by	• 100% torque plate honing of engine block, utilizing a torque plate and specially-designed ARP2000® head bolts. • Decreased piston-to-bore tolerances for improved ring sealing.
Oil pressure problems, VVT codes and upper end noise	• Cam clearances are held to a tighter JASPER® standard through the use of CNC boring machines. • 100% installation of a high-volume oil pump, which includes a higher pressure relief valve spring and rigid backing plate for improved oil pressure on 3-valve VVT V8 engines. • Verification/machining of 3-valve VVT solenoid housings for straightness. • VVT solenoid housing screen undergoes a thorough ultrasonic and pass through wash process to verify proper oil flow to actuators. • 100% NEW installation of the latest design camshaft actuator VVT solenoids (excludes VVT Delete engine option).
Worn VVT actuators	• Installation of new or remanufactured cam gear actuators on 3-valve VVT engines.
Head gasket failure	• MLS head gaskets • Block and head surfaced to 50-150 Rz • 100% new head bolts • Piston compression height reduced to maintain O.E. compression ratios
Spark plug thread concerns	• 100% inspection of all threads. • Damaged threads replaced with TIME-SERTS®, which allow for increased thread engagement.
Bearing failure, knocking, holes in block	• JASPER oil tolerances are more precise than O.E. • Micro-polished crank
Early models: Restrictive oil pipe	• 100% upgrade of early 4.6 DOHC oil pump and screen to high volume pump and large oil tube screen.

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

FORD 4.6 / 5.4 / 6.8

Value Added Quality Improvements from JASPER

VVT Delete

- JASPER offers VVT Delete as an option for the 5.4 engine.
- The VVT Delete engine option will have pre-installed locks in the VVT actuators and comes with a tuner.
- The VVT Delete engine option is 50 state legal for 2004-2014 applications and includes a CARB E.O. sticker.

*** Note for CNG/LP applications: We install hardened valve seats and Stellite-face intake and Inconel exhaust valves.**

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