

---

# Chrysler 5.7 Hemi

## Value Added Quality Improvements from JASPER

---

### Issue / Concern:

Lifter/roller failure

Dropped valve seats

Head gasket leaks

Oil consumption

Dry start-up and piston scuffing

Valve guide wear

Low oil pressure/ knocking

Oil leaks and runability issues

### JASPER Solution:

- 100% installation of the latest design, Hellcat-style, roller bearing assemblies for maximum lifter durability and longevity.
- Early-style heads receive tighter press-fit seats to ensure seat retention.
- Surface finish on heads and blocks are machined to a 50-150 Rz finish to protect against external leaks.
- Installation of MLS (Multi-Layered Steel) head gaskets with a larger firing ring bore to improve sealing and more robust in design to maintain OE compression ratio.
- JASPER includes a stronger, more robust piston ring pack for greater durability, better heat resistance and improved oil control as compared to OE.
- Torque-plate honed to simulate cylinder bore distortion, which occurs after block/head assembly, ensuring correct bore roundness.
- Additional center skirt drainbacks provide 3X more oil return.
- Re-engineered JASPER piston design features:
  - Full-floating pin to reduce pin bore scuffing.
  - Twice the piston skirt (thrust area) for improved durability and reduced scuffing tendency.
  - Graphite coated piston skirts help prevent piston scuffing and dry start-up.
- 100% installation of NEW nitrided engine valves for improved heat resistance and reduced valve guide wear.
- Micro-polished crankshafts are machined to exact tolerances for improved, more precise oil tolerances and longer bearing life.
- High-temperature fluoroelastomer polymer (FPM) rear seal is installed to prevent oil leaks.  
Every engine is live-run tested to verify proper compression, vacuum and oil pressure. JASPER also performs a black light leak test to ensure the unit is leak free.

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



**Remanufactured in the U.S.A.**

Full warranty disclosure available at  
[www.jasperengines.com](http://www.jasperengines.com) or upon request.  
Specifications subject to change without notice.

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

---

# Chrysler 5.7 Hemi

## Value Added Quality Improvements from JASPER

---

### Issue / Concern:

MDS Delete

### JASPER Solution:

- JASPER offers MDS Delete as an option for select Ram 1500 5.7L Hemi engines.
- MDS Delete engine will have a Non-MDS Cam, 16 standard lifters, and MDS solenoid plugs installed.
- MDS Delete option is 49-state compliant. Not legal for use or sale in California.
- JASPER includes a Diablo programmer with all MDS Delete engines.
- Diablo programmer is 50-state legal and available for purchase with standard replacement engines. (CARB E.O. D-770).

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



**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](http://www.jasperengines.com)

Full warranty disclosure available at  
[www.jasperengines.com](http://www.jasperengines.com) or upon request.  
Specifications subject to change without notice.