

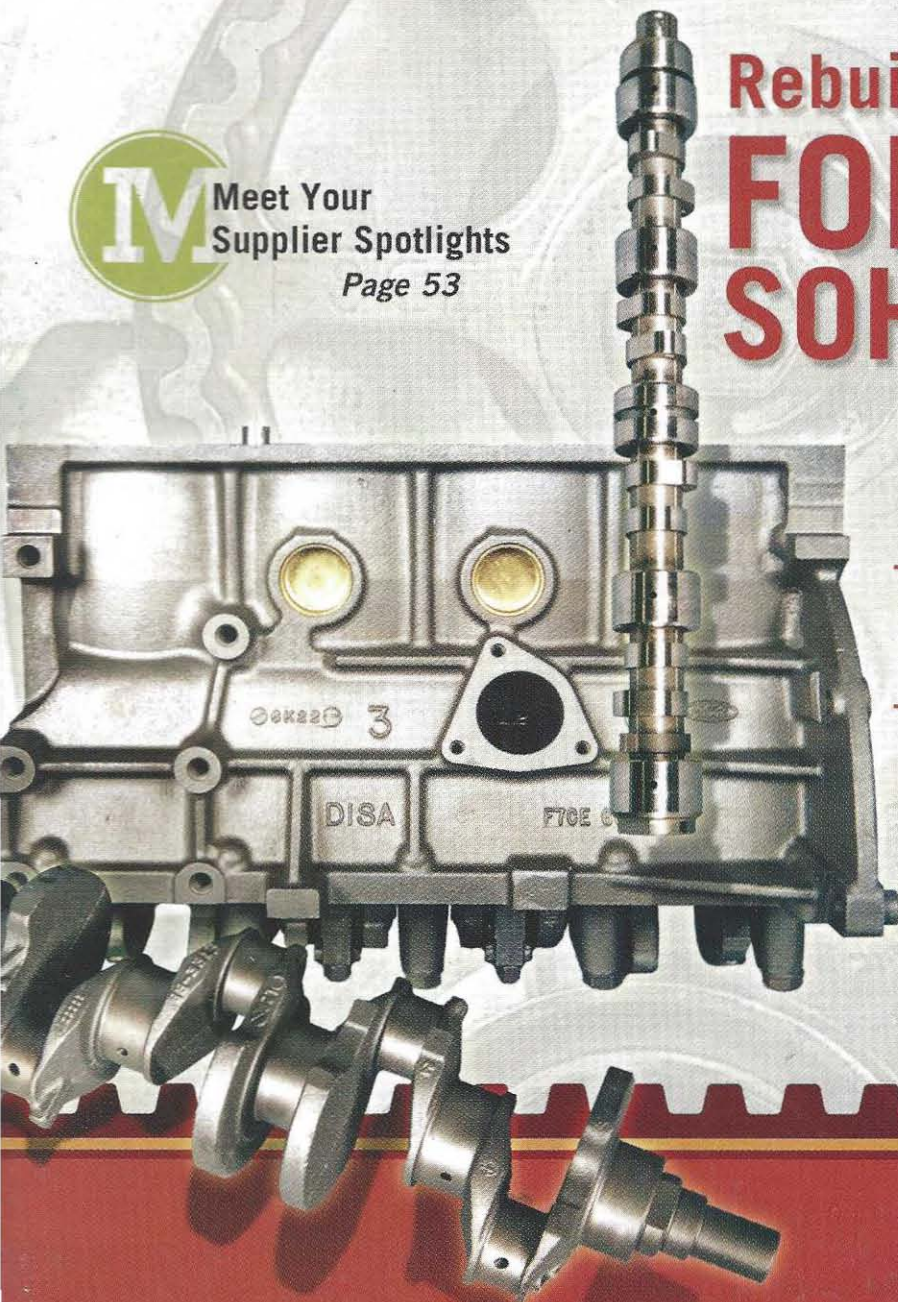
ENGINE BUILDER

Serving Engine Builders and Rebuilders Since 1964



Meet Your
Supplier Spotlights
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Rebuilding the FORD 2.0L SOHC Engine



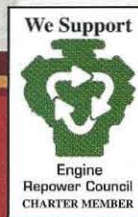
Aqueous Engine
Cleaning Options

Alternative Uses for
Engine Building Equipment

Piston Rings and
Cylinder Sealing

Also:

- PERA Core Corner
- AERA Profit Center
- Around The Block



Badger Pistons Manley Valve

944 Hwy. 15 North
New Albany, MS 38652
Phone: 662-534-7601
Fax: 662-534 2332

For a combination of over 100 years Badger Pistons and Manley Valves have brought decades of engineering and manufacturing expertise to the market place.

New or old, we've got it all. Applications for automotive, industrial, heavy-duty, marine, OE replacement and performance. Badger Pistons not only manufactures Badger Pistons, but we also continue to manufacture Ertel and Ohio-Nylen applications.

For sales and technical help, just call.

Coming soon: Manley Oil Pumps

PISTONS

- Badger Pistons are permanent mold casting made from the appropriate aluminum alloys including Hypereutectic Aluminum to meet the demands of today's engines.
- All pistons are diamond turned to exact sizes and specifications.
- Large inclusive supply of OEM replacement pistons.
- Pistons are weight and size graded within a set.
- Each piston is supplied with a selectively fit piston pin and, where required, lock rings (retainers).



Coated Skirts Available

EXHAUST VALVES

- A-Prefix...Made from quality Alloyed Exhaust Valve Material. Used in most standard applications.
- AX-Prefix...Hard faced valve (Stellite). Used where corrosion and burning are a problem. Shown as an optional valve in some applications.
- K-Prefix...Indicated a keeper is supplied with the valve to assure proper installation for that application.

INTAKE VALVES

- S-Prefix...Made from quality Alloyed Intake Valve Material. Used in most standard applications.
- SX-Prefix...Hard Faced Valve (Stellite). Used where severe wear and corrosion are a problem.



PERFORMANCE VALVES

4000 Series "The Max Performer"

- These include one-piece forging, Tool Steel tips for stress from high lift cams and solid lifter combinations. Our MV-521 Stainless material is equal to any valve on the market and they have "URPS" hard chrome stems for durability.

5000 Series-"The Dyna-Flow"

- Using materials designed for extreme conditions we developed MV-522 stainless material, even stronger than severe duty metals.
- These high performers are fully tuliped and have the smallest cross section diameter of any undercut (flow type) valve in the market.

6000 Series - The "Black Max"

- The "Black Max" Extreme Duty. Our best material MV-642 features a virtually indestructible black finish that is Melonite treated for up to 1,000 vickers hardness.

RECOMMENDED USAGE

- 4000 Series...Street and Strip, Hot Rod, Claimer engines-up to 6500 RPM range.
- 5000 Series...Strip, Circle Track-up to 8000 RPM
- 6000 Series...Strip, Circle Track, High temp applications-up to 8000 RPM

Dynamic Performance

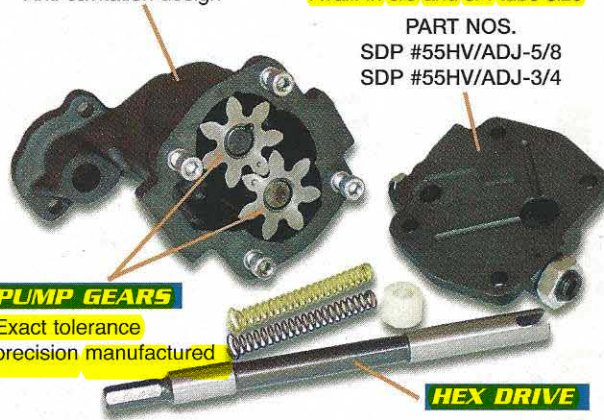
Schumann's Dual Adjustable Small Block Chevy Oil Pump

GEAR HOUSING

High strength alloy
Engineered rebuildable
Overhaul kit available
Exact tolerance machining
Anti-cavitation design

COVER PLATE

Fully adjustable (30 to 100 p.s.i.)
Adjustable relief valve stroke!
Full flow oil porting
Dual by-pass relief circuits
Avail. in 5/8 and 3/4 tube size



PUMP GEARS

Exact tolerance
precision manufactured

HEX DRIVE

SDP #55HVADJ-RBK

Rebuild kit includes gears, spool valve,
3 springs and plastic drive coupler sleeve

PART NOS.
SDP #55HV/ADJ-5/8
SDP #55HV/ADJ-3/4

P.R.I. Indy Show Booth
#3535 - Machinery Hall

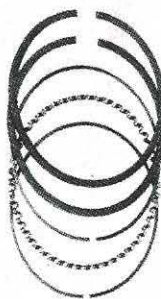
"7" New 2004 Hi-Perf. Concepts!

Schumann's 2003

High Performance Rings

Standard and Oversize Available

- Regular Moly 35,000 psi top ring; recommended up to 400 hp
- Plasma Moly 55,000 psi high strength iron top ring; recommended up to 600 hp
- Plasma Moly Ductile 70,000 psi top ring; recommended up to 750 hp
- * Available Now! - Gas Nitrided SP 34 steel coil ring. Any Horsepower! Any psi! Super-charged or Turbo! Unlimited Nitrous! 240,000 psi Top Ring!



Schumann's Dynamic Performance part numbers are consistent with most standard industry part numbers. Hundreds of engine ring bore combination sets are available! Four cylinder, six cylinder and all bore sizes are obtainable, quotable and deliverable to you!

Schumann's Sales & Service

227 W. Mayne Street, Blue Grass, IA 52726
Phone: 563-381-2416 • Fax: 563-381-2409

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