



CUSTOM CAMSHAFT RECOMMENDATION FORM

Choosing a Custom Grind Camshaft

All of the following variables have to be considered when picking a particular grind. It all boils down to picking a cam that will develop peak power within the rpm range where the engine needs to make it.

HOWARDS CAMS

Attn: Tech Dept.
280 W. 35th Ave.
Oshkosh, WI 54902
(920) 233-5228
Fax: (920)232-1572

Name: _____
Address: _____

City: _____ State: _____ Zip: _____
Phone: _____ Best Time: _____
Fax: _____
e-mail: _____

Type of Vehicle

Car Truck Boat Tractor Other _____

Make: _____ Model: _____ Year: _____ Weight: _____

Drive Tire Type: Radial Slick Other: _____ Drive Tire Size: _____

Transmission: _____ Stall Speed of Torque Converter: _____

Drive Axle Gear Ratio: _____

Engine

Manufacturer: _____ Model: _____ Number of Cylinders: _____

Bore: _____ Stroke: _____ Rod Type: _____ Rod Size: _____

Piston Type: _____ Compression Ratio: _____ Firing Order: _____

Cylinder Heads

Manufacturer: _____ Model: _____ Ported: Yes No

Chamber Size: _____ Runner Size: _____ Intake Valve Size: _____ Exhaust Valve Size: _____

If Ported Please Attach Known Flow Numbers

Induction System

Carbureted EFI-Throttle Body EFI-Tune Port Mechanical FI

Carburetor/Throttle Body Size: _____ EFI Sensor Type: Speed Density Mass Air Other: _____

Intake Manifold Manufacturer: _____ Intake Manifold Series: _____

Intake Type: Dual Plane Single Plane Tunnel Ram Individual Runner Other: _____

Computer Control: None OE OE with Chip or Programmer After Market: _____

Turbocharged: Yes No Blower: Yes No Type: _____ Boost: _____

Nitrous Oxide: Yes No Single Stage Multi Stage 1st Stage HP _____ Total NOS HP: _____

Fuel Type: _____ Octane Rating: _____



CUSTOM CAMSHAFT RECOMMENDATION FORM (CONT.)

Exhaust System

OE Manifolds Headers Tube Diameter: _____ Length: _____

Mufflers: Yes No Brand/Type: _____ Exhaust Pipe Diameter: _____

Current Camshaft

Hydraulic Flat Tappet Hydraulic Roller Mechanical Flat Tappet
 Mechanical Roller Other (specify): _____

Camshaft Manufacturer: _____ Part Number: _____

Valve Lift Intake: _____ Exhaust: _____ Rocker Ratio Intake: _____ Exhaust: _____

Duration @ .050" Intake: _____ Exhaust: _____ Adv. Duration Intake: _____ Exhaust: _____

Lobe Separation: _____ Intake Lobe Center Line: _____

What Type of Use?

Towing Street Economy Street Performance Street and Strip

Bracket Racing Drag Race-Class: _____ Oval Track-Class: _____

Mud Racing Puller Sand Drag Marine Jet Drive Prop Drive-Class: _____

Trans-Brake Throttle Stop Impeller Type: _____ Prop Size: _____

Track Type: _____ RPM Range: _____

What You Want for a New Cam

Hydraulic Flat Tappet Hydraulic Roller Mechanical Flat Tappet
 Mechanical Roller Other (specify): _____

Cam Options Non-Standard Firing Order: _____ Small Base Rear Acc. Drive

Oversized Bearing Diameter: _____ Roller Bearing Two-Piece (Cast Gear) Core

Induction Hardened Core 8620 Carburized Billet Steel Core Other (specify): _____

Considering the performance of your current application, what are you trying to gain from a new cam purchase?

More Low End Torque More Mid-Range Power Higher RPM Capability Overall Horsepower Increase

Fuel Economy Other (specify): _____

Other Is there any other information that you believe should be considered for your application? _____

Note: Your Custom Cam will only be as good as the information you supply! Please don't guess or "exaggerate" figures.



Custom Order Release

Please be advised that in placing this order for custom manufactured merchandise you are accepting full responsibility for the correctness and accuracy of all pertinent ordering information. Further, be advised that by filling out and signing this form you are affirming the correctness and accuracy of the information contained herein and authorizing Motor State Distributing to order this custom merchandise. Once this form has been signed, the purchaser assumes full responsibility for paying for the custom merchandise and no refund will be issued unless it can be shown that any errors or defects were the fault of the manufacturer and not caused by erroneous information.

As a rule, custom orders cannot be cancelled once the order is placed with the manufacturer. All custom orders are subject to freight and handling charges from the manufacturer.

No returns will be accepted on custom-built items.

Sales Contact At Motor State _____

Customer Number _____

Company Name _____

Address _____

City _____ State _____ Zip _____

Phone _____

Fax _____

Email _____

Print Your Name _____ Date _____

Authorized Signature _____

If you are submitting this form electronically, your digital signature must be added last. Once signed, this form becomes non-editable. Please double check all items first.

Motor State Distributing
8300 Lane Drive, Watervliet MI 49098

web: www.motorstate.com | phone: 1-800-772-2678 | fax: 1-800-772-2618