



COMPETITION SPECIFICATION SHEET

Manufacturer: Mercedes Benz
 Model: C240
 Applicable Years: 2002-2006

1. GENERAL VEHICLE DESCRIPTION

Body Type (sedan, coupe, hatchback):	Sedan
Engine location (front, mid, rear):	Front
Drive Type (front, rear, AWD):	Rear
Wheelbase (cm)	106.9"
Induction Type:	Induced
Minimum Weight:	2,900 Lbs

2. ENGINE

OEM Engine Code Designation:	C240
Number of Cylinders:	6
Maximum Displacement (cc):	260 / 280 stock / allowed
Rev limit req'd?:	yes / 7,500
Compression ratio:	12.5:1 stock / allowed
Piston Stroke (mm):	73.4mm stock / allowed
Restrictors Req'd?:	no
Cylinder Block Part # (stock):	1120104205
Cylinder Block Bore (mm):	90.0mm stock / allowed
Cylinder Head Part # (stock):	1120101420/1120101520
Intake Valve Head Diameter (mm):	38mm stock / allowed
Exhaust Valve Head Diameter (mm):	43mm stock / allowed
Intake Port Dimensions at Manifold Face:	Height: 34mm Width: 54mm
Intake Port Work Allowed? (Yes/No)	xxx / xxxmm depth from face
Exhaust Port Dimensions at Manifold Face:	Height: 40mm Width: xx.xmm
Connecting Rod Length (centerlines, mm):	xxx.x / xxx.x stock / allowed
Reciprocating Assembly (grams):	xxx / xxx stock / allowed
Aftermarket Rods Allowed?:	yes
Aftermarket Pistons Allowed?:	yes
Camshaft Rocker Arm Ratio:	x.x:1
Type of Cam Follower (roller, solid, etc.)	solid
Camshaft Max Lift at Cam Lobe:	8.3mm
Crankshaft Part Number (stock):	Stock
Crankshaft Mass (kg):	Stock
Flywheel Mass (kg):	Stock
Ring Gear Diameter (mm):	Stock
Intake Manifold Part # (stock):	Stock
Int. Manifold Port Size @ Head Face:	Height: 34mm Width: 54mm (stock)
Allow Port Match to Head?	yes Depth: .75"

Throttle Body Bore Diameter (mm):	74mm
# of Throttle Bodies:	1
Intermediate Port Matching Allowed?:	yes,
Turbocharger Manufacturer and Model:	n/a
Alternate Turbocharger Allowed?:	n/a
Number of Turbo Compressors:	n/a
Compressor Inlet Diameter (mm):	n/a
Maximum Boost Pressure (psi):	n/a
Turbo Intercooler Part # (stock):	n/a
Turbo Intercooler Dimensions (mm):	n/a
Engine Miscellaneous:	

3. DRIVETRAIN

Transmission Part # (stock)	xxx
Number of Forward Speeds:	6
Alternate Transmission Allowed?:	yes
Alternate Transmission Part #:	xxx
Gear Ratios (stock / allowed):	
1 st :	4.66 / x.xxx
2 nd :	2.61 / x.xxx
3 rd :	1.72 / x.xxx
4 th :	1.25 / x.xxx
5 th :	1.00 / x.xxx
6 th :	.84 / x.xxx
Final Drive Ratio (stock / allowed):	x.xxx / x.xxx
Drivetrain Miscellaneous:	

4. SUSPENSION, CHASSIS, BODY

Front Suspension Type:	Independent 3 link
Rear Suspension Type:	Independent 5 arm
Suspension, Chassis, Body Miscellaneous:	
Renntech Part # 322032090	