

2003 SVT Mustang Cobra Powertrain

Engine

Configuration	Longitudinally mounted, 90-degree V-8, cast iron block with aluminum heads, fully counterweighted forged crankshaft
Bore x Stroke	90.2mm x 90.0mm
Displacement	4,601cc; 280 cu. in.
Compression ratio	8.5:1
Horsepower	390 @ 6,000 rpm
Torque	390 @ 3,500 rpm
Specific output	84.8 horsepower per litre
Redline	6,500 rpm (fuel shut-off occurs at 6,500 rpm)
Valvetrain	Double overhead camshafts, chain drive to exhaust cams, secondary chains from exhaust to intake cams, roller finger followers with hydraulic lash adjustment, oval-wire beehive-shaped valve springs, four valves per cylinder
Intake valves	2 per cylinder, 37mm head diameter
Exhaust valves	2 per cylinder, 30mm head diameter
Ignition system	Distributorless coil-on-plug
Fuel system	Sequential electronic fuel injection
Induction system	Eaton™ Corporation Generation IV Roots-type supercharger with water-to-air intercooler
Boost pressure	8.0 psi maximum
Intake manifold	Cast aluminum, tuned equal-length runners
Throttle body	57mm twin bore
Mass-air sensor	90mm diameter

Exhaust manifolds	Cast iron
Exhaust system	Dual, stainless steel, 2.25-in. diameter; 3.0-in. polished exhaust tips

Drivetrain

Rear axle	8.8-in. ring gear with 3.55:1 limited-slip differential, aluminum case
Driveshaft	Aluminum, with hardened yoke, 1350 U-Joints
Transmission	TTC T-56 6-speed manual
Clutch	11.0-in. single-plate
Half-Shafts	31-spline with increased capacity

Gear	Ratio
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1st	2.66
2nd	1.78
3rd	1.30
4th	1.00
5th	0.80
6th	0.63
Reverse	2.90
Final drive	3.55

Suspension

Front	Modified Macpherson strut system with gas-charged Bilstein™ monotube dampers and separate 600 lb./in. coil springs (500 lb./in. on convertible), 29mm tubular stabilizer bar
Rear	Multi-link independent system, cast-iron upper control arms, aluminum lower control arms, fixed toe-control tie rods, aluminum spindles, gas-charged Bilstein™ monotube dampers, 600 lb./in. coil springs (470 lb./in. on convertible), 26mm tubular stabilizer bar

Steering

Type	Rack and pinion, power assist
Gear ratio	15.0:1
Turns, lock-to-lock	2.5

Turning diameter 41.7 ft.

Brakes

Front 13.0 in. (330mm) vented Brembo™ disc, PBR™ twin-piston caliper

Rear 11.65 in. (296mm) vented disc, single-piston caliper

ABS Four-channel, four-sensor system

Wheels & Tires

Wheels 17 x 9 in., five-spoke, cast aluminum-alloy, machined surface, exposed lugs, optional chrome wheel available

Tires Goodyear™ Eagle F1, 275/40ZR-17

Cobra Includes

- Driver and passenger airbags. Always wear your safety belt and secure children in the rear seat
- Independent rear suspension (IRS)
- Anti-lock brake system (ABS)
- SecuriLock™ passive anti-theft system
- Articulated front sport seats (standard six-way power for driver) with Nudo leather trim and Preferred suede inserts, with power lumbar support and adjustable bolsters for the driver
- Tilt steering wheel
- MACH® 460 electronic AM/FM stereo and in-dash six-disc CD player
- Power Equipment Group: Dual electric remote control mirrors, power side windows, power door locks, power deck lid release
- Rear window defroster
- Air-conditioning
- Speed control
- Front floor mats
- Dual illuminated visor mirrors
- Remote keyless illuminated entry
- Rear spoiler with LED CHMSL

Colour & Trim

Exterior Oxford White Clearcoat, Ebony Clearcoat, Torch Red Clearcoat, Sonic Blue Clearcoat Metallic, Satin Silver Clearcoat Metallic, Mineral Grey Clearcoat Metallic, Zinc Yellow Clearcoat

Interior Dark Charcoal with either Medium Parchment or Medium Graphite accents

Dimensions, Capacities

Wheelbase 101.3 in. (2,573mm)

Length 183.5 in. (4,661mm)

Height, coupe 52.5 in. (1,336mm)

convertible	52.9 in. (1,344mm)
Width	73.1 in. (1,857mm)
Track (front and rear)	60.3 in. (1,530mm)
Head room, f/r	38.1 in. / 35.5 in. (968mm / 901mm)
Leg room, f/r	41.8 in. / 29.9 in. (1,062mm / 759mm)
Curb weight, coupe	3,665 lb. (1,662 kg)
convertible	3,780 lb. (1,715 kg)
Fuel capacity	15.7 gallons (59.4 litres)
Weight distribution, f/r	57% / 43%

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