



2004 FORD SVT MUSTANG COBRA TECHNICAL DATA



AN ENGINE THAT BREATHES DEEPLY DURING A RUSH TO THE REDLINE. A CHASSIS THAT BALANCES POISE WITH PREDICTABILITY. SVT COMBINES THESE VIRTUES WITH FINESSE, IN VEHICLES THAT DELIVER EXHILARATING DRIVING EXPERIENCES.

ENGINE

Configuration	Longitudinally mounted, 90-degree V8, 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 liter
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-inch diameter; 3.0 inch 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 and U-Joints
Transmission	TTC™ T-56 6-speed manual
Clutch	11.0-in. single-plate
Half-Shafts	31-spline with increased capacity
Gear	Ratio
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 arm, aluminum lower control arm, fixed toe-control tie rod, aluminum spindle, 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 wheels available
Tires	Goodyear™ Eagle F1, 275/40ZR-17

DIMENSIONS, CAPACITIES

Wheelbase	101.3 in. (2,573mm)
Length	183.5 in. (4,661 mm)
Height	coupe - 52.5 in. (1,336mm) convertible - 52.9 in. (1,344mm)
Width	73.1 in. (1,857mm)
Track, f/r	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 liters)
Weight dist. f/r	57%/43%

COLOR & TRIM

Exterior	Oxford White Clearcoat, Competition Orange, Screaming Yellow, Ebony Clearcoat, Torch Red, Redfire Clearcoat Metallic, Silver Metallic and Mystichrome (special package only)
Interior	Dark Charcoal with choice of Dark Charcoal or Medium Graphite accents

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 Preferred Suede and leather seating surfaces; 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 stop lamp

OPTIONS

- **Mystichrome Appearance Package** Includes: Mystichrome™ color-shifting paint; color-shifting leather interior trim (seat inserts and steering wheel); and chrome wheels. Available in either coupe or convertible body styles.
- 17" Chrome wheels
- Rear spoiler delete (rear deck spoiler is standard on all Cobras)

OWNERSHIP EXPERIENCE

We've gone to great lengths to make the experience of driving a new SVT Mustang Cobra enjoyable. We've done the same for the ownership experience, too. We stand behind your car with our New Vehicle Limited Warranty, and we look after your security with our Roadside Assistance Program. SVT owners also receive Premium Service at their dealer, which includes a loaner vehicle and complimentary wash and vacuum. Expect nothing less from a "customer-driven" company.

ROADSIDE ASSISTANCE PROGRAM

Every new Ford includes the assurance of an emergency Roadside Assistance Program provided by Ford Auto Club, Inc., during the 3-year/36,000-mile limited warranty period. Help is just a toll-free phone call away, 24 hours a day, anywhere in the 50 United States, should you need any towing assistance, fuel delivery, a tire change, a jump start, or even help when you're locked out of your vehicle. Ask your Ford Dealer for complete details on the Ford Roadside Assistance Program and also for a copy of the New Vehicle Limited Warranty.

BUMPER-TO-BUMPER COVERAGE

The 3-year/36,000-mile bumper-to-bumper coverage of the Ford New Vehicle Limited Warranty covers all vehicle parts including tires (except certain items as described in the Vehicle Warranty Guide) against defects in factory-supplied materials or workmanship. For complete information, see your dealer.



FORD CREDIT

Ford Credit is a full-service company that makes a wide variety of financing and leasing programs available to qualified buyers through the Ford Dealer of your choice. Through Ford Credit's financing or Red Carpet leasing, arrangements suited to your special needs can be made quickly and conveniently right at the dealership.



FORD EXTENDED SERVICE PLAN

Optional Ford Extended Service Plans can cover major components on new Ford cars and light trucks after your bumper-to-bumper warranty coverage expires. Your dealer has the full details.

DEALER-INSTALLED ACCESSORIES

The enjoyment of owning a new vehicle begins before you take delivery, when you're selecting colors and features.

Along with the items listed elsewhere in this catalog, there are Ford brand accessories available at your dealer. They meet or exceed our strict specifications, and they are custom designed and manufactured to complement the style and quality of your Ford-built vehicle. Following publication of this catalog, certain changes in standard equipment, options, prices, and the like, or product delays, may have occurred which would not be included in these pages. Your Ford Dealer is the best source for up-to-date information. Ford Division reserves the right to change product specifications at any time without incurring obligation.

Horsepower and torque numbers are the mean of test results generated according to Society of Automotive Engineers Standard J1349.

Performance data are generated under closed-course conditions on a test track according to procedure R-403. Observed data are corrected to standard ambient conditions. Vehicle weight is corrected to production curb weight plus 300 pounds.

Many factors may affect vehicle performance.