

**2004 FORD SVT MUSTANG COBRA**





**PERFORMANCE INCREASED POWER, REFINED ROAD MANNERS, AND BALANCE AMONG ENGINE, EXCLUSIVITY LOW-VOLUME, LIMITED-PRODUCTION PRODUCTS AVAILABLE ONLY FROM SPECIALLY**  
AN ENGINE THAT BREATHES DEEPLY DURING A RUSH TO THE REDLINE. A CHASSIS THAT BALANCES POISE WITH PREDICTABILITY.





**SUSPENSION AND BRAKING SYSTEMS. SUBSTANCE CHARACTER THAT IS BUILT IN, NOT ADDED ON.  
TRAINED DEALERS. VALUE A LOT OF PERFORMANCE AND DRIVING PLEASURE FOR THE MONEY.**  
SVT COMBINES THESE VIRTUES WITH FINESSE, IN VEHICLES THAT DELIVER EXHILARATING DRIVING EXPERIENCES.



**PAST AND PRESENT.** IT'S A FEELING YOU GET WHEN YOU SIT IN THE DRIVER'S SEAT AND SNUG UP THE SAFETY BELTS. READY, EAGER TO GO. THE PERFORMANCE HERITAGE IS PALPABLE. YOU SENSE THE PRESENCE OF ENERGY IN EVERY FIBER AND MOLECULE ... THE SPIRIT OF FUN. POWERFUL FUN.

It was like that in 1964. It is like that today. For 40 years, Mustang's essence has inspired great performance variants — GT350, GT500, Boss 302, Boss 351, Mach I ... right on up to the one you're sitting in.

The Ford Special Vehicle Team is nothing if not passionate about performance...the keepers of the flame. The SVT emblem is a badge of honor. It carries the promise of performance, substance, exclusivity and value, as well as the obligation to produce exhilarating vehicles that delight serious drivers.

And the SVT Mustang Cobra delivers.

You sense an immediate affinity when you fire up the supercharged V8 engine and hear its metallic-throated growl. Then the stimulating lunge of acceleration and the forceful precision of refined control generates a smile of satisfaction.

Confidence. You feel a harmonious, multi-dimensional balance as you brake, downshift, turn-in, and accelerate out. Two-way communication between driver and car — the command and control — is clear and accurate. The way it's supposed to be.

Driving the Cobra, you become part of the connection ... with the car, with the road, and with Mustang's pure-bred heritage.




# CONNECTION









**MYSTICHROME** For 2004, SVT is offering the special Mystichrome Appearance Package option. This limited-production (1,000 units) Mustang Cobra can't be missed by even the most casual observer. The Mystichrome package features color-shifting paint that changes from green to blue to purple to black. The result is stunning, vibrant color not seen on any other production vehicle.

The Mystichrome interior features the industry's first color-shifting leather seats. The seat inserts and steering wheel have the same color-shifting properties as the exterior paint, which adds to the strong, exclusive statement that makes this Cobra extra special. Offered in either coupe or convertible body styles, the Mystichrome Appearance Package also includes chrome wheels.







**UNDER YOUR RIGHT FOOT,** 390 horsepower and 390 foot-pounds of torque, from the SVT Mustang Cobra's 4.6-liter, super-charged quad-cam V8.

Using a supercharger unleashes the beast and also tames it. The result is awesome power and remarkable driveability. The car can be calm and docile when you want it that way ... then in an instant deliver an unrelenting rush of smooth, effortless power.

The supercharger is a Roots-type unit from the Eaton™ Corporation, with a cast-

aluminum case, machined aluminum internal rotors, and its own dedicated drive belt.

High volumes of intake air flow through a 90mm mass-air flow sensor, and the supercharger compresses it to about eight pounds per square inch. Heat gained through pressurization is dissipated by a water-to-air intercooler directly under the supercharger. This makes a more dense and powerful air charge.

Free-flowing upper and lower intake manifolds deliver air to the cylinder heads, which have high flow capabilities commensurate

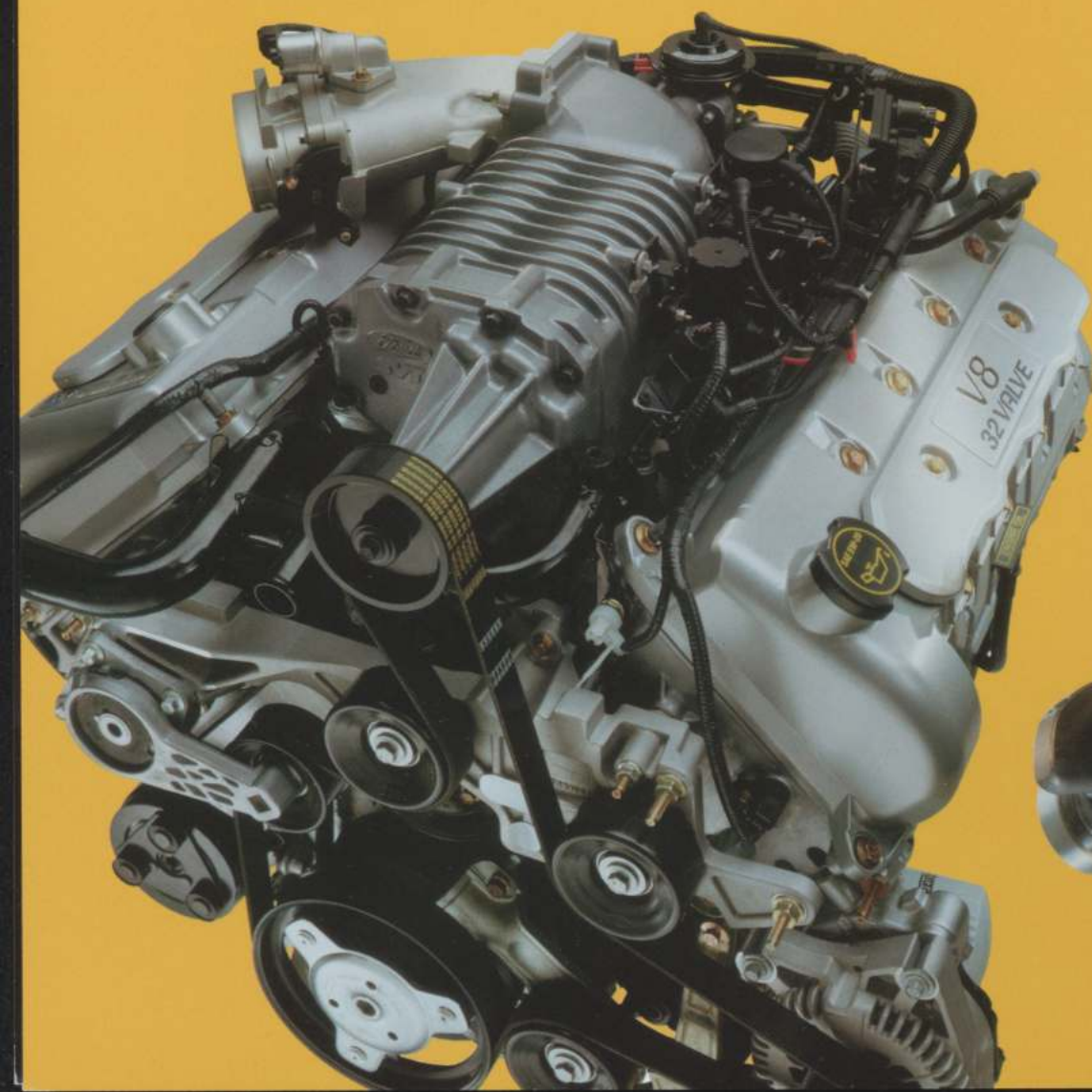
with the supercharged induction. The heads are designed to give low-end torque without sacrificing peak horsepower, and the cam lobes are profiled for optimum low-end torque and emissions capabilities.

The cast-iron block has the strength to handle stresses developed by this high-torque engine. Its forged-steel crankshaft is fitted with forged "H-beam" connecting rods from Manley Performance Products. Forged-aluminum pistons give a compression ratio of 8.5:1.

The 2004 SVT Cobra is equipped with

a TTC™ T-56 six-speed gearbox, an 11.2-pound aluminum flywheel, and an aluminum drive shaft with high-strength universal joints. The lightweight flywheel and drive shaft combine to reduce the drivetrain's rotating mass, which increases the engine's free-revving characteristics due to reduced inertia.

SVT engineers also worked diligently on the Cobra's 2.25-inch stainless-steel exhaust system to produce a special sound that proclaims the engine's high flow rates and abundant power.

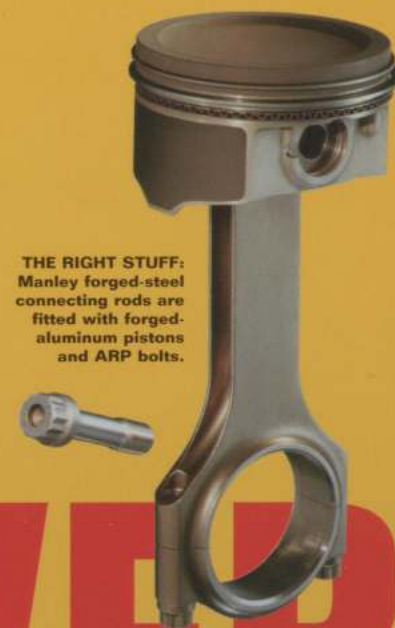


**PERSONAL CRAFTSMANSHIP:** Every hand-built SVT Cobra engine is inscribed with the names of its two-person assembly team.

**STRENGTH AND BALANCE:** SVT Cobra's crankshaft is fully counterweighted and machined from forged steel.



**THE RIGHT STUFF:** Manley forged-steel connecting rods are fitted with forged-aluminum pistons and ARP bolts.



# POWER



**THE REAL**, smile-making fun of driving a high-performance car comes from the way it responds to the driver's inputs. You want it to do exactly what you ask, precisely, smoothly, predictably ... no surprises; no arguments about who's in control.

The 2004 SVT Mustang Cobra works *with* you. With all its power, the key is well-balanced driveability. The responsiveness, seamless control, and the feeling you are really connected with the machine and what it's doing are the results of painstaking engineering work on the chassis systems.

In the SVT Cobra's independent rear suspension system, the geometry design and compliance rates are carefully engineered to manage the car's high torque output.

Rear spring rate for the Cobra coupe is 600 lb./in., and 470 lb./in. on the convertible. The rear stabilizer bar is a 26mm tubular unit. A tubular cross-brace, attached to the differential, stabilizes the IRS.

Gas-charged Bilstein monotube shock absorbers, front and rear, have tuning characteristics that optimize the trade-off between ride and handling.

The modified MacPherson strut front suspension has 600 lb./in. linear-rate coil springs on the lower control arms (500 lb./in. on the convertible), and a 29mm tubular stabilizer bar.

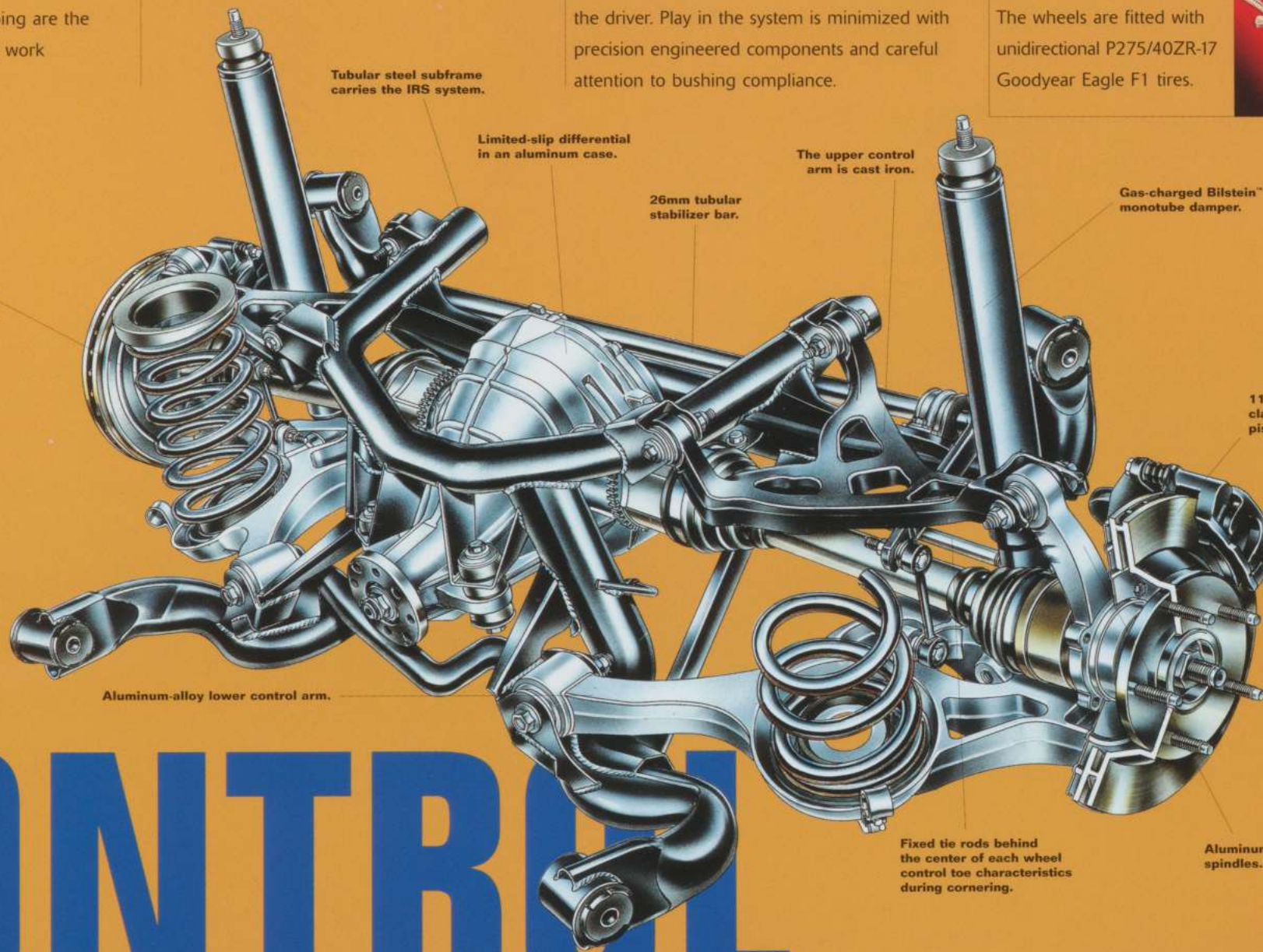
Steering feels precise and communicative to the driver. Play in the system is minimized with precision engineered components and careful attention to bushing compliance.

The SVT Cobra has durable four-wheel vented-disc brakes. At the front, PBR™ twin-piston calipers clamp 13-inch Brembo™ rotors, while the rear brakes consist of 11.65-inch rotors and single-piston calipers.

The 17 x 9-inch cast-aluminum-alloy Cobra wheels have machined surfaces and exposed lug nuts. Chromed wheels are available as an option. The wheels are fitted with unidirectional P275/40ZR-17 Goodyear Eagle F1 tires.



600 lb./in. coupe, 470 lb./in. convertible linear rate coil springs.



Tubular steel subframe carries the IRS system.

Limited-slip differential in an aluminum case.

26mm tubular stabilizer bar.

The upper control arm is cast iron.

Gas-charged Bilstein™ monotube damper.

11.65 in. rear rotors, clamped by single-piston calipers.

Aluminum-alloy lower control arm.

Fixed tie rods behind the center of each wheel control toe characteristics during cornering.

Aluminum-alloy spindles.

# CONTROL



# DISTINCTION



**THE SVT MUSTANG COBRA** is something special... and it looks the part. Distinctive. Even though the design cues are subtle, there's no mistaking this car or its heritage.

The front fascia has grille openings designed to move large volumes of air into the engine compartment. The hood and rear deck lid are made of lightweight composite material, and flow-through scoops in the hood help extract hot air from the engine compartment. The rear deck is topped by an integrated spoiler with a built-in LED stop lamp.

Exterior color choices for 2004 are Oxford White Clearcoat, Competition Orange, Screaming Yellow, Ebony Clearcoat, Torch Red,

Redfire Clearcoat Metallic, Silver Metallic and Mystichrome (special package only).

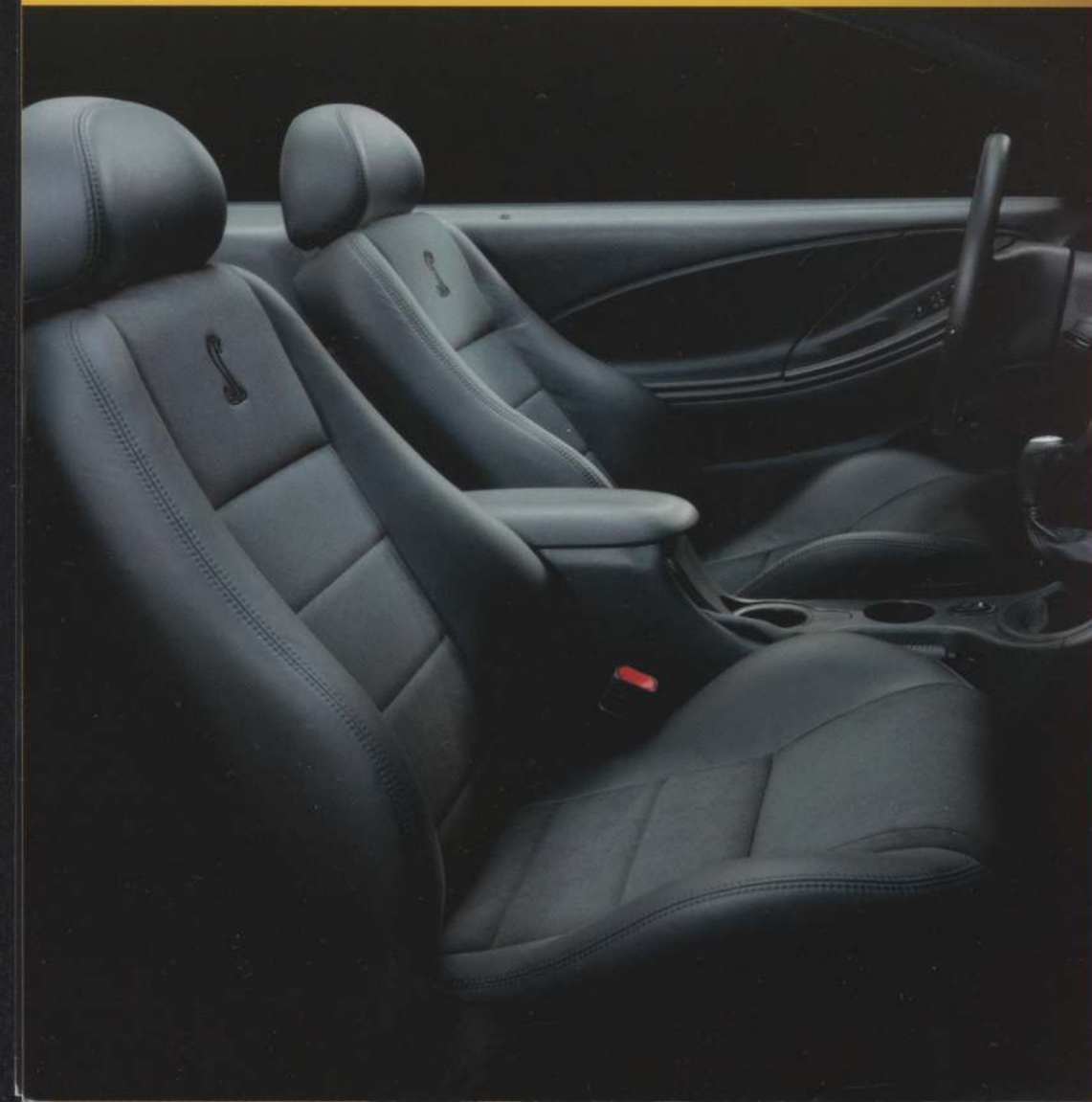
Inside, the bucket seats are designed to give secure, comfortable support. The driver's seat has six-way power adjustment for position, plus added personalized fit thanks to power-adjustable thigh bolsters, side bolsters and lumbar support.

The titanium-faced instrument cluster includes a boost gauge, while at your feet the foot pedals and dead pedal have metal trim. The leather-wrapped shift knob is topped with a brushed-aluminum disc inscribed with the six-speed pattern.



The SVT Cobra's MACH 460 Sound System™ packs 230 watts RMS (460 watts peak), powering four 5.5 x 7.5-inch subwoofers and four 2.5-inch midrange/ tweeter speakers. The system has three external amplifiers, and includes an AM/FM stereo radio, integrated clock, and a six-disc in-dash CD changer.

The interior color is Dark Charcoal, with a choice of either Dark Charcoal or Medium Graphite accents. The seating surfaces are leather trimmed with preferred suede.





## 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, P275/40ZR-17

## 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, 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)

## FORD SVT DESIGNS AND DEVELOPS PERFORMANCE VEHICLES THAT CAN DELIVER YEARS OF DRIVING PLEASURE AND VALUE FOR THE AUTOMOTIVE ENTHUSIAST.

### 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.

All photographs were produced under closed-road/closed-course conditions with a professional driver.

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.



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**1993 SVT MUSTANG COBRA**  
235 horsepower 5.0-liter ohv V8  
T5 five-speed manual transmission  
Four-wheel disc brakes  
Production: 4,993 units



**1993 SVT MUSTANG COBRA R**  
235 horsepower 5.0-liter ohv V8  
T5 five-speed manual transmission  
Lightweight street-legal racing model  
Production: 107 units



**1993-1995 SVT F-150 LIGHTNING**  
240 horsepower 5.8-liter ohv V8  
E4OD four-speed automatic transmission  
Tow rating: 5,000 lbs.; payload: 745 lbs.  
Production: 11,563 units



**1994-1995 SVT MUSTANG COBRA**  
240 horsepower 5.0-liter ohv V8  
T5 five-speed manual transmission  
13-in. front discs, PBR calipers;  
11.65-in. rears  
Production: 11,017 units



**1995 SVT MUSTANG COBRA R**  
300 horsepower 5.8-liter ohv V8  
Tremec five-speed manual transmission  
Lightweight street-legal racing model  
Production: 250 units



**1996-1998 SVT MUSTANG COBRA**  
305 horsepower 4.6-liter dohc V8  
T45 five-speed manual transmission  
13-in. front discs, PBR calipers;  
11.65-in. rears  
Production: 28,709 units



**1998-2000 SVT CONTOUR**  
195 hp ('98), 200 hp ('99-'00) High Output 2.5L Duratec V6  
MTX-75 five-speed manual transaxle  
Front-drive, five-passenger sports sedan  
Production: 11,445 units



**1999/2001 SVT MUSTANG COBRA**  
320 horsepower 4.6-liter dohc V8  
Independent rear suspension and  
Traction control introduced  
Production: 8,095 units



**2000 SVT MUSTANG COBRA R**  
385 horsepower 5.4-liter dohc V8  
Tremec six-speed manual transmission  
Lightweight street-legal racing model  
Production: 300 units



**1999-2003 SVT F-150 LIGHTNING**  
360 hp ('99-'00) 380 hp ('01-'03)  
supercharged 5.4-liter Triton™ V8  
Four-wheel disc brakes introduced  
Production: '99-'02 - 20,073 units,  
'03 - 4,308 units (est.)



**2002-2003 SVT FOCUS**  
170 horsepower dohc I-4 engine  
Dual-stage intake manifold  
Twin-layshaft 6-speed transaxle  
Production: '02 - 4788  
'03 - 6,159 units (est.)



**2003 SVT MUSTANG COBRA**  
390 horsepower supercharged  
4.6-liter dohc V8  
Traction control standard  
Production: 13,493 units (est.)





Chances are, if you currently own an SVT vehicle, you're already quite knowledgeable about automobiles. For you, driving is more than just getting from point A to B; it is something that provides great pleasure. Your vehicle is always clean and well maintained, because you take pride in how it looks and performs. At SVT, we know how you feel — that's why we formed the Special Vehicle Team Owners' Association (SVTOA), a club designed specifically for SVT owners.

**"DRIVE SAFE AND HAVE FUN" IS THE MISSION STATEMENT OF SVTOA,  
AND THE ASSOCIATION FOCUSES PRIMARILY ON THREE THINGS:**

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Providing fun opportunities to get out and drive (road trips, cruise nights, track days, etc.)  
with other SVT owners

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Promoting learning and education about automobiles and good driving

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Making new friends and sharing common experiences with other like-minded people

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If you currently own an SVT vehicle then you're already a member of an exclusive club — you are an enthusiast who wants a vehicle with performance, substance, exclusivity and value. And, for exactly those reasons, we've developed the SVTOA — to share our common obsession with SVT vehicles and maximize the fun we can have with them.

**SVTOA EXCLUSIVE MEMBER BENEFITS INCLUDE:**

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SVTOA member-only web site

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Member subscription to the SVT Enthusiast magazine (6 issues per year)

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Invitations to SVTOA regional and national events

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SVTOA membership directory

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Assistance in planning local chapter-organized events

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Vehicle registry

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Discounts from SVTOA affiliated companies

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Team Ford Racing discount

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Access to local SVTOA chapters

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Every new SVT vehicle buyer or lessee automatically receives a complimentary one-year subscription to SVTOA. For more info, contact SVTOA National HQ at (866) 377-8862 or visit their website at [www.svtoa.com](http://www.svtoa.com).



1-800-FORD-SVT | Hearing Impaired (TDD): 1-800-438-4007 | [www.svt.ford.com](http://www.svt.ford.com) | French Customer Service: 1-800-563-3673

**SVT**