



FORD SPECIAL VEHICLE TEAM/1998 MUSTANG COBRA

SVT

FORD SVT MUSTANG COBRA TECHNICAL DATA



ENGINE

Configuration	Longitudinally mounted, 90-degree V8, cast aluminum block and heads, iron cylinder liners, fully counterweighted forged crankshaft
Bore x Stroke	90.2mm x 90.0mm
Displacement	4,601cc/280cid
Compression ratio	9.85:1
Horsepower (SAE net)	305 hp @ 5,800 rpm
Torque	300 lb./ft. @ 4,800 rpm
Redline	6,800 rpm (fuel shut-off at 7,000 rpm)
Valvetrain	Double overhead cams (hollow camshafts), chain drive to exhaust cams, secondary chain from exhaust to intake cams, roller finger followers with hydraulic lash adjustment, ovate-wire beehive valve springs, four valves per cylinder
Intake valves	2 per cylinder, 37mm head diameter
Exhaust valves	2 per cylinder, 30mm head diameter
Fuel system	Sequential electronic fuel injection
Intake manifold	Tuned length thin-wall cast aluminum runners, cast aluminum plenum chamber
Throttle body	Twin 57mm bore throttle body, simultaneously opening 80mm diameter
Air-mass sensor	Electronically actuated 34mm port throttles open to secondary intake valves at 3,250 rpm
Port throttles	Cast high-silicon, molybdenum iron, manifold type, stud and nut attachment
Exhaust manifolds	Dual, stainless steel, 2.25 in. diameter tubes

DRIVETRAIN

Rear axle	8.8 in. limited-slip differential	
Driveshaft	Steel, with hardened yoke	
Transmission	Borg-Warner T45 5-speed manual; integral clutch housing	
Gear	Ratio	Speed
1st	3.37	45 mph (72 kph)
2nd	1.99	77 (124)
3rd	1.33	115 (185)
4th	1.00	152 (245)
5th	0.67	
Reverse	3.22	
Final drive	3.27	

SUSPENSION

Front	Modified MacPherson strut, with separate spring on lower arm, 400/505 lbs./in. variable-rate coil springs, 29mm stabilizer bar
Rear	Rigid axle, upper and lower trailing arms, two leading hydraulic links, 165/265 lbs./in. variable-rate coil springs, shock absorbers, 26mm stabilizer bar

STEERING

Type	Power assist, rack and pinion
Gear ratio	14.7:1 (on center)
Turns, lock to lock	2.38
Turning diameter	40.8 feet

BRAKES

Front	13.0 in. (330mm) vented disc, PBR twin-piston caliper
Rear	11.65 in. (296mm) vented disc, single-piston caliper
ABS	Three-channel, four-sensor system

WHEELS AND TIRES

Wheels	Cast alloy, painted surface, five-spoke, 17 x 8 in.
Tires	BFGoodrich Comp T/A ZR, 245/45ZR-17, unidirectional tread pattern

COBRA INCLUDES

- Supplemental restraint system: Driver- and passenger-side (air bag). Always wear your safety belt, and secure children in the rear seat
- Tilt steering wheel
- Anti-lock brake system
- Articulated sport seats (four-way power for driver) with cloth/vinyl trim, cloth head restraint, and power lumbar support (leather only)
- Premium electronic AM/FM stereo cassette
- Compact disc player
- Power Group: Power side windows, power door locks, power deck lid release, dual electric remote control mirrors
- Rear window defroster
- Air-conditioning/manual control
- Speed control
- Front floor mats
- Dual illuminated visor mirrors
- Remote keyless illuminated entry
- SecuriLock anti-theft system

AVAILABLE OPTIONS

- Electronics and Leather Trim Group, consisting of: Leather seating surfaces; Sport buckets with power lumbar support; Mach 460 electronic AM/FM stereo/cassette; Total Anti-Theft System (TATS)
- Rear deck spoiler
- California emissions system
- High-altitude principal use

COLOR AND TRIM

Exterior	Crystal White Clearcoat, Black Clearcoat, Laser Red Tinted Clearcoat, Bright Atlantic Blue Clearcoat (black interior only). Late availability of Canary Yellow Clearcoat (black interior only)
Interior	Black Cloth, Saddle Cloth, Black Leather, Saddle Leather

DIMENSIONS AND CAPACITIES

Wheelbase	101.3 in./2,573mm
Length	182.5 in./4,636mm
Height	53.2 in. (53.3 in.)/1,351mm (1,354mm)
Width	71.8 in./1,824mm
Track, F/R	60.0 in./58.7 in.; 1,524mm/1,491mm
Head Room	38.2 in. (38.1 in.)/970mm (968mm)
Leg Room	41.9 in./1,064mm
Curb Weight	3,391 lbs. (3,531 lbs.)/1,541kg (1,605kg)
Fuel Tank	15.4 gal./58 liters
Weight Dist., F/R, %	57/43

(Numbers in parentheses are for Convertible)

PERFORMANCE

0-60 mph	5.9 seconds
Quarter mile	13.99 seconds @ 101.6 mph
Top speed	152 mph
Braking, 60-0 mph	127 ft.
Braking, 80-0 mph	227 ft.
80 ft. slalom	52.1 mph
100 ft. skidpad	0.89g

(All performance numbers were generated under closed-course conditions on a test track.)

Product Changes: Following publication of this data, 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 your best source for up-to-date information. Ford Division reserves the right to change product specifications at any time without incurring obligations.

