



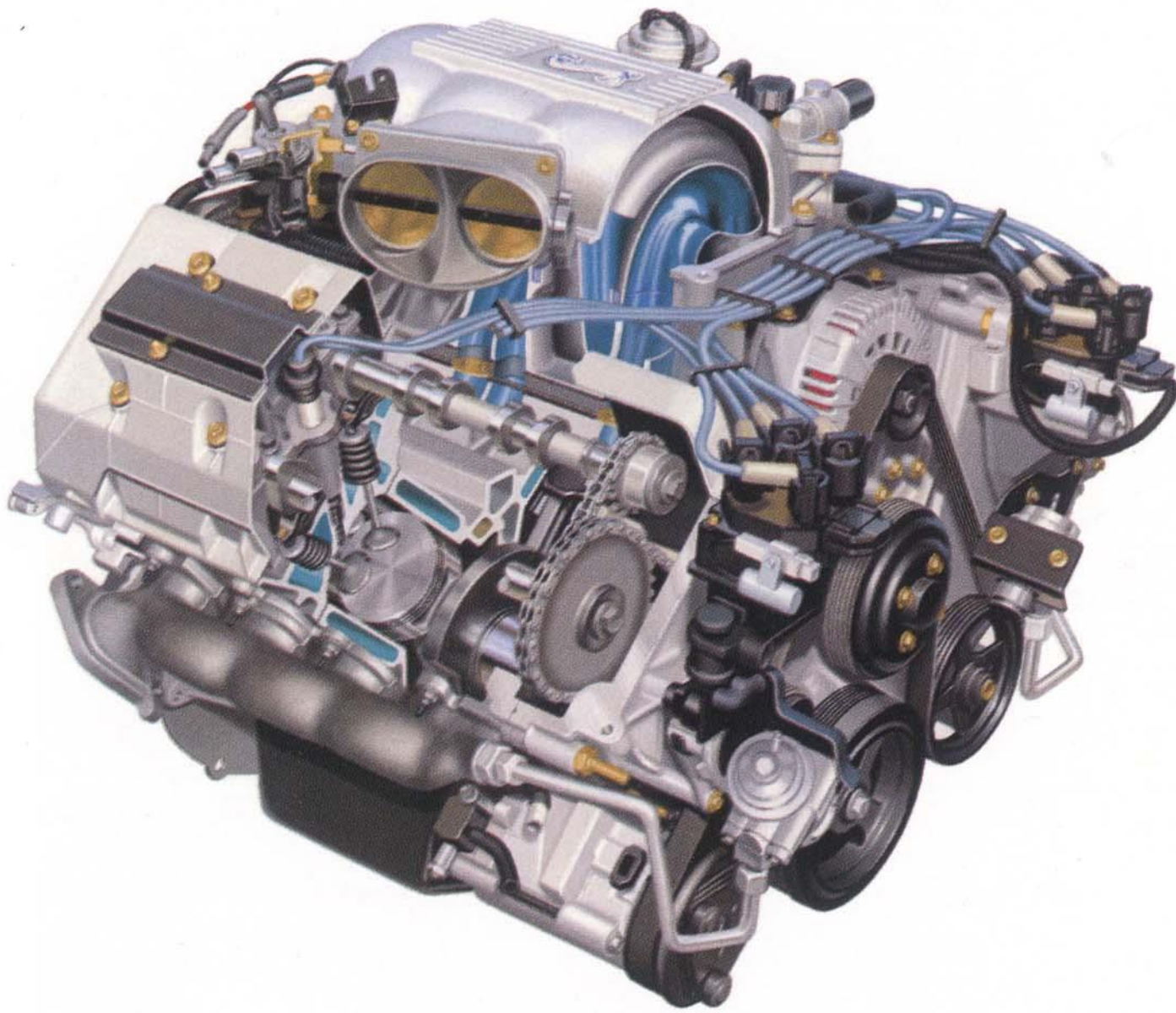
The 1996 Mustang Cobra has a powerful and refined DOHC V8 that produces 305 horsepower.

Cobra convertible available March, 1996.



SVT

**FORD SPECIAL VEHICLE TEAM
1996 MUSTANG COBRA**



ENGINE

Configuration	Longitudinally mounted, 90-degree V8, cast aluminum block and heads, iron cylinder liners, fully counterweighted forged crankshaft, six-bolt main bearing caps
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, 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
Air-mass sensor	80mm diameter
Port throttles	Electronically actuated 34mm port throttles open to secondary intake valves at 3,250 rpm
Exhaust manifolds	Cast high-silicon, molybdenum iron, manifold type, stud and nut attachment
Exhaust system	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
2nd	1.99	77
3rd	1.33	115
4th	1.00	152
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, 27mm stabilizer bar

STEERING

Type	Power assist, rack and pinion. New design features helically cut gears, new bearings
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	Bosch, three-channel, four-sensor system

WHEELS AND TIRES

Wheels	Cast aluminum, diamond-cut 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

Anti-Lock Brake System

Articulated sport seats (four-way power for driver) with cloth/vinyl trim, cloth head restraint, and power lumbar support

Premium electronic AM/FM stereo cassette

Power Equipment Group: Dual electric remote control mirrors, power side windows, power door locks, power deck lid release

Rear window defroster

Air-conditioning/manual control

Speed control

Front floor mats

Dual illuminated visor mirrors

Remote keyless illuminated entry

AVAILABLE OPTIONS

Preferred Equipment Package, consisting of: Leather seating surfaces; Mach 460 electronic AM/FM stereo/cassette; Compact disc player; Total Anti-Theft System (TATS)

California emissions system

High-altitude principal use

COLOR & TRIM

Exterior	Crystal White, Black Clearcoat, Laser Red Tinted Clearcoat, Mystic (coupe only; limited production)
Interior	Black Cloth, Saddle Cloth, Black Leather, Saddle Leather

DIMENSIONS, CAPACITIES

Wheelbase	101.3 in.	2,573 mm
Length	181.5 in.	4,610 mm
Height	53.4 in.	1,356 mm
Width	71.8 in.	1,824 mm
Track, f/r	60.0 in./58.7 in.	1,524mm/1,491 mm
Head Room	38.2 in.	970 mm
Leg Room	42.5 in.	1,079 mm
Curb Weight	3,446 lbs.	1,563 kg
Fuel Tank	15.4 gal.	58 liters (12.8 Imperial gal.)
Weight Distribution, f/r %	57/43	57/43

PERFORMANCE (Closed-Course Testing)

0-50	4.7 seconds
0-55	5.4 seconds
0-60	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

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