

2005 Mustang Convertible



"Cars are built all over the world, but Mustang could come only from Ford. F-150 is the heart of Ford trucks. And Mustang is the soul of Ford cars."

– Phil Martens, Group Vice President, Product Creation

forms in the spring of 2005, is the first in a string of specialty versions – best handling and most refined open-air version yet of this American

the 2005 Mustang coupe magical:

- Totally new architecture
- Muscular stance
- Bold style
- Brawny engine
- Rear-drive excitement
- Affordability

And because the convertible was designed alongside the coupe and not as an afterthought, it is much more solid than coupe-derived convertibles of the past. Better still, it retains all of the personality that has made the Ford Mustang one of the most-loved automotive nameplates in history.

There are more than 250 Mustang clubs from around the world with the largest – The Mustang Club of America – touting some 11,000 members alone. And when you consider that of the nearly eight million Mustangs sold since 1965, almost one million of them have been convertibles – it's clear that the convertible is a key part of Mustang's success.

AVOIDING EXTREME MAKEOVERS

The 2005 Mustang convertible was designed from the ground up to deliver a more rigid body structure without adding burdensome weight. This was accomplished by engineering it in tandem with the coupe. An added benefit of this process – one that helped meet a goal set for the convertible's exterior design – was that it provided the car with a cohesive, integrated look. It does not look like a coupe that has undergone reconstructive surgery to become a convertible.

The fabric top also seals better than did those of previous models and it affords superior rearward visibility. Looking for new and better ways to do things, Ford engineers designed a z-fold top that gives the Mustang convertible a finished appearance with the top down.

Aside from the top, the 2005 Mustang convertible shares the look of a legend with its coupe sibling. The signature long hood, short deck and classic design cues may be found on both. There's an unmistakable hint of Mustang notchbacks of yesteryear in the convertible's profile and stance – with the same athletic proportions, save for today's bigger, wider wheels and tires, that make it look as good at rest as it does at speed.



The all-new 2005 Mustang convertible features a wide glass backlite, full quarter windows and a slim C-pillars for improved driver visibility.

Just as it does with its exterior design and engineering, the 2005 Mustang convertible makes a statement with its interior.

Thanks to intelligent engineering that resulted in a convertible platform with more than twice the torsional stiffness of the previous version, this is the most quiet and solid drop top Mustang ever produced. The squeaks, shakes and rattles to which convertibles typically are prone are startlingly missing from the 2005 Mustang convertible.

Also improved is the rearward visibility. The 2005 Mustang convertible comes with a wide glass backlite (including a defroster), full quarter windows and slim C-pillars, all of which offer a driver a better look out the back.

Both passengers in the back and front will appreciate the lack of wind-related buffeting and noise when the top is down. With the windshield header more steeply raked than on the coupe and a modified rear seatback, the 2005 Mustang convertible has no need for add-on devices to block the wind.

Aside from these touches, the 2005 Mustang convertible shares the coupe's look of a much more expensive car. Mustang's past is honored by the twin-pod instrument panel and the present is addressed via modern materials and Ford's acclaimed attention to interior design and details. Plus, there's an optional color-configurable instrument panel, an industry first, that gives the driver more than 125 different color backgrounds to illuminate the gauges and controls.

DONE RIGHT BECAUSE IT'S DONE LIGHT



Mustang has a 300-pound weight penalty after the top is cut off. Mustang engineers considered how they could add strength into the chassis without the need for additional bracing. In fact, they were able to design body joints and rocker panels that give the car the same structural characteristics as a coupe.

For one thing, the 2005 Mustang convertible shares its suspension geometry and handling characteristics with the coupe. As a result, never before have the coupe and convertible ridden and handled so well. Ford's sensibly managed weight program is that excess poundage does not sap performance.



The array of wheels available on Mustang convertible – seen above and below – is engineered to meet demanding performance requirements.



Like the 2005 Mustang coupe, the convertible uses a MacPherson strut front suspension and a rigid rear axle that has surprised the automotive press with its composure and handling prowess. The secret for its success is a three-link setup with a Panhard rod that maintains precise control over the axle.

Steering is via a power-assisted rack-and-pinion system.

Disc brakes are fitted at all four corners. The Mustang GT rotors are the biggest ever used on a mainstream Mustang and the calipers are the stiffest. A 4-channel anti-lock braking system (ABS) is standard on the GT convertible and optional on the V-6. ABS also comes with traction control. This all-speed system can be switched off when the driver desires to "hang it out" a bit on dry pavement, or when a smoky burnout is in order for an acceleration run.

Standard tires on the GT are W-rated P235/55ZR-17 all-season performance radials on 17-by 8-inch alloy wheels. The V-6 convertible comes with 16-by 7-inch wheels with T-rated P215/65R-16 all-season tires.

POWER PERSONIFIED – AND PERSONALIZED

Mustang is the very symbol of American muscle, and the 2005 Mustang convertible is no exception.



The convertible's V-6 engine produces 20 more horsepower than the previous model.

The base engine is a 4.0-liter SOHC V-6. Producing 210 horsepower and 240 foot-pounds of torque, it is more powerful than the 260-cubic-inch displacement V-8 that was an option when Mustang was first introduced.

For those who want something more, the V-8-powered GT convertible boasts the same 300-horsepower, 4.6-liter V-8 as its coupe counterpart. The GT's new three-valve V-8 has variable cam timing and thus generates 40 more horsepower than the previous-generation Mustang GT V-8. Automotive historians also will note that this new 281-cubic-inch engine produces 50 percent more power with less displacement than the legendary small-block 289 V-8 of 1964.

While they are responsive, both Mustang engines are respectful of the environment. Both meet Ultra-Low Emission Vehicle II (ULEV II) standards. On average, the 2005 fleet for Ford Mustangs will emit 57 percent less smog-forming pollution than the 2004-model-year fleet.



The new 4.6-liter V-8 produces 300 horsepower and 315 foot-pounds of torque.

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available with a five-speed automatic transmission. The 5R55S automatic is optional

with either the base V-6 or the V-8 GT and has closely spaced gears to keep the engine running in its power band. This assists acceleration as well as fuel efficiency.

Standard on both V-8 and V-6 models of the 2005 Mustang convertible, is a Tremec five-speed manual.

TO PROTECT AND SERVE

While the agility and acceleration of the 2005 Mustang convertible can help a driver avoid an accident, not all bad situations can be escaped. That's the point at which passive safety systems take over.

Here again a smartly structured body comes into play. The rigid core of the 2005 Mustang convertible creates a safety cage that helps protect the cabin from deformation and intrusion during an impact. The front of the car is designed to help channel the violent energy of a collision away from vehicle occupants.

The Ford Personal Safety System™ is also there to serve with dual-stage driver and front-passenger air bags as well as safety belt pretensioners and energy management retractors. Side-impact air bags for the driver and front passenger are optional.



Engineered from the beginning as both a coupe and convertible, the 2005 Mustang provides torsional rigidity and a stiff chassis for crisper handling at all speeds.

And to help you keep a Mustang convertible in your stable, an optional active anti-theft package provides an increased level of protection, including a separate alarm sounder, new anti-tow sensor, ultrasonic interior motion sensor, perimeter anti-theft protection and even a high-capacity battery to keep sounding the alarm longer.

NEW HOME FOR THE RANGE

With the 2005 model year, Mustang has moved to a new plant from its long-time home at the Dearborn Assembly Plant at the Ford Rouge Complex. All Mustangs are now made at the AutoAlliance International assembly plant in Flat Rock, Mich. The 2005 Mustang convertible will go on sale in the spring.