



2019 SHELBY GT350®: THE SECRET OF HIGH PERFORMANCE

I. Ford Performance, we're immensely proud that this generation if the Shelby GT350 is going into its fifth year of production. That says lot about the car, and about the people like you who have received it o enthusiastically. Way back when we started development, our goals to produce a car that lived up to its illustrious high-performance

Since the car was launched in 2015, Ford Performance engineers have continued working to make refinements and enhancements that can be implemented in the next year's production run. Model year 2019 is no exception with aero refinements to the rear spoiler, among others.

We're never satisfied that there's nothing more to do. The car we produced in 2015 was the best, but the best can always be better. That's the secret of high performance.



Lightweight Tremec® 3160 6-speed manual transmission

Aluminum knuckles with performance wheel bearings

Rear suspension; independent multi-link

-Tubular stabilizer bar

and smooth iron ring with directional cooling vents

SHW* 380mm rotors with aluminum center "hat" and vented, smooth iron ring Brembo" 4-piston monobloc calipers

Eborry-Black-painted aluminum wheels. 19 x 10.5 in. front, 19 x 11 in, rear Specially developed Michelin Pilot Sport Cup 2 tires, 295/35 ZR19 front, 305/35 ZR19 rear



Technology Package (new)

-B&O Play "Audio System by Harmon (12 speakers) Includes CD Player, HD Radio " and subwoofer in-trunk BLIS® with Cross-Traffic Alert -Mirrors - Heated, Memory, and Cobra Puddle Lamps

Handling Package

(FIA - shipped separately for dealer installation)

Leather-trimmed Sport Seats with Seat Back Map

Factory Invoiced Accessories (FIA) - Shipped separately from the vehicle for dealer installation

-B&O Play" Audio System by Harmon (12 speakers) -BLIS* with Cross-Traffic Alert

Puddle Lamps

Stand-Alone Options

Factory Invoiced Accessories (FIA) - Shipped















PERFORMANCE CHOICES: GT350 OR GT350R

and convenience features deleted to lighten its weight.

The GT350 and GT350R model variants of the 2019 Shelby GT350° are both highly capable performers for large large as a racetrack, and both are street large. However, the GT350R is more greater accetrack and both are street

Shelby GT350

This dynamically athletic production Mustang is powered by the most powerful naturally aspirated Ford production engine ever. The engine's flatplane crankshaft is the first of its kind ever used in a Ford V8 powered car. If gives very quick throattle response, and produces the GT350's exotic and unique exhaust shaft.

The Ford Performance engineers' extensive design and development work on the body created efficient air flow for powertrain and brake cooling. It achieved drag and weight reduction, along with balanced front and rear downforce. Every bit of the bodywork from the windshield forward is unique to this car, as are the rear facial and diffuser.

The GT350 Is meant for owners who want a car with some hard-core racing equipment in it for track days, but also want one that's very streetable for everyday driving. The optional Technology Package offers higher-end equipment for enhanced comfort.

Shelby GT350R

If you are not too concerned about comfort or convenience for street use; if you want to take you car to a race track to wring out that last tenth of a second of lap time, then the GT350R is for you. Some might even want it as the basis for an allput, non-streetable race car.

The optional Technology Package offered on the GT350R includes higher-end equipment for enhanced comfort, security, connectivity and convenience

POWERTRAIN: SIMPLY AWESOME

With 526 horsepower* and 429 foot-pounds of torque on tap, the GT350's 52-file V8 is the most powerful naturally aspirated production engine Ford has ever produced. This very special engine's flathplane cranishant was developed exclusively for this car, and it represents the first use of a flat-plane crack in a nordication Ford Vision of the Vision o

The engine breathes through an intake manifold with charge motion control (CMC) valves that are larger than those in the stock 5.0 V8, and thanks to high-lift camphafts with increased duration, the cylinder heads flow massive amounts of air.

removed, and plasma transferred wire air (FTWa) technology is used on the boree. This larger brown technology is used on the boree. This larger bore diameter results in an over-square configuration – approximately 94 mm bore vs 39 mm stroke – which increases low-end torque. PTWA also improves performance and durability, due to lighter weight plus reduced friction and theat transfer. The flatplane candshaft gives quick throttle response.

The custom, high-flow exhaust system has "dustmode" nar mytters with single entries and dust mode" are mytters with single entries and suloutlets. An actuator valve in the muffler canister can be open or closed, depending on the driver's preference. When it is closed, the car is quiet and civilized, when open, the exhaust is essentially "free-flow" through the muffler, and the cohaust retes is loved and set threa!

Transmission

transmission is connected to the engine with a highstrength, dual-disc clutch. This combination has all the necessary forque cipability, along with excellent high-rev shifting capability. This is essentially a bespoke transmission for the GT350, since the people at Ford Performance designed and tooled up a new case and gear set just for this car.

Rear Axte The torque bias and pre-loads in the Torsen* limited-slip differential are specifically engineer

limited-slip differential are specifically engineered for the GT350. The rear-axle ratio is 3.73:1.

Cooling Systems

The GT350's engine water radiator is upsized from that of the Mustang GT and carries a higher volume of coolant.

All GT350s are equipped with oil-cooling radiators for the engine, transmission, and rear axie.

The engine oil radiator's design is an elegant solution.

located in the front bumper on the driver's side, with ducting to provide optimum air flow. The transmission-oil radiator is on the other side of the front bumper, and the transmission circuit has

The differential oil cooler is mounted in the lower rear diffuser, which allows much shorter runs of plumbing. Special ducting directs air through the cooler and out the rear bumper. The cooler also has its own electric pump. with a thermostate.







The Shelby GT3501 generates enormous dynamic forces - e.g. the g-loads from cornering, accelera

and braking. So, during this car's development, the

To reach the performance targets, every aspect and, if necessary, modified or changed. The new with torsional stiffness increased by 28 percent

Unique Suspension

The GT350's suspension design is unique engineered to make the car nimble and agile.

made of aluminum) were designed for stiffness, to

One of the most telling examples of the engineers' wound. This ensures that the spring rates are exactly

Electronically controlled MagneRide shock absorbers system. This system continuously adapts the shock of MagneRide technology, and it's an extremely

desirable performance enhancement The shocks have metal particles in the fluid, so an

Powerful Brakes

GT350 has the biggest, most powerful brakes ever

production car. These vanes direct air flow through providing more effective cooling. The front brakes

The parking brake is an unusual, integrated "drumthe parking brake function, which in turn eliminates

Steering

engineered to spread the double ball joints farther apart. This moves the steering angle outboard.

GT350-Exclusive Wheels and Tires The Shelby GT350's wheels are an Ebony Black-

painted aluminum design = 19 x 10.5 inches in front. and 19 x 11 at the rear. They are shod respectively with

The GT350R is equipped with lightweight carbon Sport Cup 2 tires - 305/30 ZR 19 front and 315/30

Aerodynamics is just as important as any other aspect of the Shelby GT350's performance equation.

the car's aerodynamic capabilities were critical.

and the cooling optimization - that they wanted. Managed Air Flow

Front Splitter and Belly Pan The front splitter and belly pan were designed

structural purposes. Vertical winglets on the outer sides of the splitter help create efficient airflow around the body, and farther back, additional

provides structural support for the splitter, which has to withstand high aerodynamic loads. The belly pan also helps block air from entering the engine reduce drag, and some of them direct air into the Rear Diffuser and Spoller

aerodynamic efficiency. GT350R Spoiler The GT350R has a unique carbon fiber rear spoiler.

proving ground, and wind tunnel testing, as well as CAE* and CFD* development. It is specifically suited for racetrack use, with an optimized and efficient

