







### A VERY SPECIAL MUSTANG

2014 Shelby GT500. That car was all about ultra-high power output and straight-line speed ... just like the original 1967 Shelby GT500. Carroll Shelby created his original 1965 GT350 to

achieve ultra-quick lap times on road courses - exactly what the men and women at Ford Performance did with this new GT350. It is the most dynamically athletic production Mustang yet.

The Ford engineers took an innovative, no-compromise approach. They evaluated the performance and function of every system, component and shape, then designed and optimized all the parts to work in balanced harmony. and to reduce weight wherever possible. They also pushed the envelope with cutting-edge materials and technologies. The result: Driving a Shelby GT350 is the most balanced, nimble and exhilarating experience ever found in a production Mustang.

The 2017 Shelby GT350 is available in two model variants - the GT350, and the GT350R, Both are highly capable race track performers, for owners who like to go out for lapping days at race tracks. The GT350R is more race-track oriented, with its lighter weight and higher-performance tires. Each model has its own set of option packages, for those who want to add more comfort and convenience amenities for everyday street driving.





"This is essentially an all-new powertrain that's unique to GT350, and it stake full advantage of the new Mustang platform's outstanding chassis dynamics. Make no mistake, the engine is an American interpretation of a V8 with flatplane crankshaft, and it produces a distinctive, throaty how from its four exhaust tips," (AMAI HAMPED, Chef Engineer.

### POWERTRAIN

Ergine
The GT350's 5.2-liter V8 is the most powerful naturally aspirated production engine Ford has ever produced: 526 horsepower\* and 429 foot-pounds of torque. This special engine incorporates a flat-plane cranishant developed exclusively for this car and represents the first time a production Ford V8 Mill use this technology.

The cylinder heads flow massive amounts of air, thanks to high-lift camshafts with increased duration. The intake manifold includes charge motion control (CMC) valves, larger than those in the stock 5.0 VB.

\* Achieved with 93 octane fuel.

The aluminum block's iron cylinder liners are removed, and plasma transferred wire are (PTWA) technology used on the bores. This larger bore approximately 44 mm bore v 35 mm stroke – which increases low-end torque. PTWA also improves performance and durability, due to lighter weight plus reduced friction and heat transfer. The flatplane canachart gives quick throtter response.

and the exhaust's unique, throaty snart.

The custom high-flow exhaust system has "dualmode" near multiers with single entries and dual quotlets. An actuator valve in the muffer 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 oxhaust is essentially "free flow "threate the muffler, and the oxhaust note is

loud and guttural – a great sound that's unlike any other Mustang, or any other car, in fact.

The Tremec 3100 6-speed, lightweight manual transmission is connected to the engine with a highstrength, dual-disc clutch. This combination has all the necessary lorque capability, along with excellent high-rev shifting capability. This is essentially a bepocke 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 Axie

The torque bias and pre-loads in the TORSEN\* limitedslip differential are specifically engineered for the
GT350. The rear-axie ratio is 3.73:1.

# Cooling Systems The GT350's engine water radiator is upsized from that of the Mustans GT to carry a higher volume

or coolent.

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

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

ducting to provide optimum air flow.

The transmission-oil radiator is on the other side of the front bumper, and the transmission circuit

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

"This Shelby GT350 is the pinnacle of performance Mustangs today. It lays the groundwork for a story that will play out for years to come on the track and the street." DAVE PERICAN, director, Ford Performance

### CHASSIS SYSTEMS

Basis: High Torsional Stiffness
The GT390's refined and carefully tuned chassis
systems help deliver the most balanced, nimble
and exhilarating production Mustang yet. Their
foundation is the new 2015 Mustang platform—
the strongest yet in the history of the brand, with

### the previous i

The unique excipension design has new lighter and stiffer knockies front and rare (aluminum on the front), and new hele bearings all around. They are designed specifically for lateral stiffness for very precise steering, and also to enhance brake modulation capabilities. Springs and stabilities have also are designed and tuned specifically for the (355.0) but to spring compression characteristics in the lateral stiffness of the control o









## MagneRide All GT350s have MagneRide dampers front

and rear — the first-ever Ford application of this electronically controlled, serin-cative suspension. Damping properties can be changed continuously, particularly and properties can be changed continuously, particular that conduct an electric curient, and adjustments in the current will magnetically change the fluid's viscosity elmost instantianeously. Sensor monitor ride height, ptch, dive, and many more characteristics. A Ford-developed control imodule conduction of the co

The GT350's brakes were designed and developed in-house by the Ford Performance team and are the biggest and most powerful ever installed on a production Mustan.

Front toors are 15.5 inches in diameter and have 1.4 inches thisk. They are cross-ceilled, and have directional varies in place of standard note vierts—a very unusual feature for a production car. These varies direct air flow through and away from the rotor much more efficiently, for more effective cooling. The rotors also are made of two pieces, with an alluminary half in the center that both control of the production of the production of the production that in the center that both control of the production that the pro

"Everything is purely functional-driven design, with the goal of improving the GT350's overall performance. We optimized the car's aero shape, then fine-tuned what was left to optimize downforce and cooling airflow. Every piece of bodywork from the windshield forward is unique to this GT350.

AERODYNAMICS AND DESIGN

The entire front of the GT350 – hood, fenders, fascia, splitter and belly pan – is specially designed to reduce drag and front-end lift. The fascia is more closely sculpted around the front of the car, and the hood is sienficantly lower effectively it wares own

nood is significantly lower, effectively it wraps over the engine.

All air that flows through the front fascia is managed it flows through the powertrain coolers, and through

The front splitter and belly pan were designed together as a system for both aerodynamic and structural purposes. Vertical winglets on the outer sides of the splitter help create efficient airflow around the body and, farther back, additional winglets on the front of the rockers manage air flow along the lower sides of the body.

The belly pain provides structural support for the splittle, which has to withstand high aerodynamic loads. The belly pan also helps block air from the pain section of the pain and the pain and the sevent men ventur unmost but help create downlorce and reduce drag, and some of them direct air toot the wheel arches to help cool the brakes. The wheel ach lines thermselves are specially designed to manage airflow from the front of the car.

The GT350's aluminum front fenders are wider than the Mustang GT's to accommodate larger wheels and tires, and designed to optimize aero performance. Functional vents behind the wheels exhaust hot air that's trapped in the wheel well.

An air extractor in the aluminum hood vents hot air from around the engine, and also exhausts trapped air that creates lift and drag.

At the rear, the GT350's unique diffuser is designed to channel air into the rear axle cooler, and to manage airflow out the rear of the car to control downforce. From the beginning, the design and development process used a coordinated approach, with the aim of harmonizing front and rear downforce to create aspirated Ford production engine eyer. The engine's flatplane crankshaft – the first ever in a Ford V8-powered car – provides very quick throttle response, and produces the GT350's exotic exhaust snarl that's unlike anything ever

Ford Performance engineers did extensive design and development work on the body. Their aim was efficient air flow for powertrain and brake cooling, reduced drag reduced weight, and balanced front and rear downforce

car in it for track days, but also want a very streetable car for everyday driving. The option packages offer higher-end

### **Electronics Package** 9-speaker audio system

 SYNCR 3 – enhanced unice recognition communications and entertainment system. Includes 8" LCD touchscreen with

Apol ink™, 911 Assist®, and 2 smart-charging USB ports · Dual-zone automatic temperature control

· Universal garage door opener Voice-activated touchscreen navigation system

### with SiriusXM Traffic and Travel Link® Convenience Package Includes all Electronics Package content, plus:

pockets (replaces standard Recaroli cloth/Mikoli

6-way nower passenger seat Heated and cooled front seat Memory recline (driver's side only)

most powerful naturally

about creature comforts

try to wring out that last tenth of a second of lan time, the has deleted anything that adds unnecessary, performance

robbing weight, or causes parasitic power losses Adding the R-Electronics Package makes the ultimate able comfort, and also for street driving with the a good

## Deleted content

Audio system Auxiliary gauges

Rear-view camera

## Auxiliary audio jack R-Electronics Package

9-speaker audio system AM/FM stereo, single-CD player

SYNC® 3 - enhanced voice recognition communications and entertainment system. Includes 8" LCD touchscreen with AppLink™, 911 Assist®, and 2 smart-charging USB ports

Rear view camera

Soft door rollover Turn signal mirrors

Universal garage door opener Auxiliary gauges

## Stand-Alone Options

### 2017 SHELBY GT350 TECHNICAL DATA

Ford 5.2-liter DOHC all-aluminum V8 engine Bone x stroke: 94mm x 93mm

526 hp @ 7.500 rpm (achieved with 93 octane fuel)

Redline: 8.250 rpm

 Flat-plane, forged-steel crankshaft -Forged-steel, I-beam connecting rods -Lightweight polymer oil pan with windage tray

High flow dual exhaust with X pipe and active-valve mufflers

3.73:1 TORSENR limited-slip differential Engine, transmission and differential oil coolers

MagneRide semi-active suspension front and rear

194 lb./in. roil springs

34 x 5.7mm tubular stabilizer bar -Lightweight tower-to-tower strut brace

· Rear suspension: independent multi-link 914 lb./in, counter-wound coil springs -22.2 x 3 9mm tubular stabilizer bar

SHW# 394mm rotors with aluminum center "hat" Brembo<sup>te</sup> 6-piston monobloc calipers, fixed-bridge.

and vented, cross-drilled iron ring Brembo™ 4-piston monobloc calipers

Ebony Black painted aluminum wheels, 19 x 10.5 in. front,

Lightweight carbon-fiber wheels, 19 x 11 in, front,

Specially developed Michelin Pilot Sport Cup 2 tires

## Aerodynamic treatments: front splitter and grille

underbody shield, diffuser, rear spoiler, air curtains Aluminum bood with center air extractor Track, Dragstrip Driver and steering mode control

Recaro® cloth seats with Miko suede inserts. manual adjustment

Rear seat delete (GT350R)

