

# Shelby GT500 | 2012

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2012

# Shelby GT500

## What's Important

### Key Messages

- This section is dedicated to Shelby GT500-specific information. See the Mustang section for features shared by Shelby GT500 and Mustang
- Shelby GT500 targets the hard-core performance enthusiast and image seekers
- Supercharged 5.4L DOHC V8 engine features lightweight aluminum engine block and delivers 550 horsepower and 510 lb.-ft. of torque
- Glass roof offers Shelby GT500 customers a choice of three tops — hardtop, glass roof and convertible
- SVT Performance Package — with revised suspension tuning and distinctive appearance — delivers additional performance for the Shelby enthusiast customer
- Electric Power-Assisted Steering (EPAS), a lightweight aluminum engine block and aerodynamic improvements made to 2011 model made it the first modern Shelby GT500 not to be subject to the gas guzzler tax and is expected to maintain the same status for 2012
- Voice-activated Navigation System includes HD Radio™ capability
- Optional RECARO® leather-trimmed Sport bucket seats are new for 2012

### Key Features Overview

**Supercharged 5.4L DOHC V8 engine with 550 horsepower and 510 lb.-ft. of torque**  
(pgs. 61, 62)

**Aluminum hood with heat extractor**  
(pg. 67)

**SVT Performance Package**  
(pgs. 64, 69)

**AdvanceTrac® with standard Sport Mode**  
(pg. 63)

**Glass roof**  
(pg. 67)

**Electric Power-Assisted Steering (EPAS) with driver-selectable effort**  
(pg. 64)



**Tremec 6-speed manual transmission**  
(pg. 62)

# Shelby GT500

## *What's Important*

# 2012

Shelby GT500

### New for 2012

#### **Performance/Handling**

- No new features for 2012

#### **Safety/Security**

- No new features for 2012

#### **Comfort/Convenience**

- Optional RECARO® leather-trimmed Sport bucket front seats with accent stripes
- Universal garage door opener
- Illuminated dual visor vanity mirrors
- Multi-purpose sun visor storage

#### **Quality/Reliability/Durability**

- No new features for 2012

#### **Design/Styling**

- No new features for 2012

2012

# Shelby GT500

## Model Lineup

### Model Lineup Pages

The Model Lineup pages are based on the Dealer Ordering Guide and are designed to show key features/equipment on the 2012 Shelby GT500 as well as Rapid Spec content. The Shelby GT500 is available as a Coupe or Convertible.

### Shelby GT500 Coupe and Convertible — Standard models

#### Performance/Handling

- AdvanceTrac® Sport Mode
- Axle — modified 8.8" with 3.55:1 gear ratio and limited-slip differential
- Brakes
  - Anti-lock Braking System (ABS)
  - Vented four-wheel disc with Brembo® front 4-piston calipers and rotors
- Drivetrain — rear-wheel drive
- Engine — supercharged 5.4L 4V V8
  - 2-row air-to-water intercooler
  - Aluminum engine block
- Exhaust — stainless-steel dual with H-pipe design
- Steering
  - Electric Power-Assisted Steering (EPAS) with selectable effort
  - Rack-and-pinion
- Suspension, SVT-tuned:
  - MacPherson strut front
  - 3-link rear with specifically tuned dampers and springs
- Tires, high-performance Goodyear Eagle F1 — P255/40R19 front and P285/35R19 rear
- Transmission — Tremec 6-speed manual with performance shift indicator

#### Safety/Security

- Active anti-theft system
- AdvanceTrac electronic stability control
  - Anti-lock Braking System (ABS)
  - Traction control
- Airbags
  - Dual-stage frontal
  - Front-seat side
- Belt-Minder®
- Emergency Tire Inflation Kit
- LATCH (Lower Anchors and Tethers for Children) System
- Personal Safety System™ with dual front airbags
- Rear-seat head restraints
- Safety belts
  - Front pretensioners
  - Manual 3-point shoulder and lap safety belt system on all seating positions
- SecurILock® passive anti-theft system
- SOS Post-Crash Alert System™
- Tire Pressure Monitoring System (TPMS)

#### Comfort/Convenience

- Air conditioning — manual
- Audio system — Shaker 500:
  - Auxiliary audio input jack
  - Single-disc CD/MP3 player
  - Sirius® Satellite Radio
- Auxiliary power points (2)
- Console — center, locking with full armrest and storage
- Convertible top, cloth — power with glass rear window
  - 5-bow design
  - Black soft boot

- Cruise control — steering wheel-mounted
- Cup holders — covered (2)
- Decklid release — remote
- Defroster — rear window
- Door locks — power
- Easy Fuel® capless fuel filler
- Floor mats — black carpeted front with driver retention hook
  - Embroidered "GT500" logo
- Footrest — driver
- Instrument cluster
  - 6-gauge with tachometer, speedometer, supercharger boost gauge and SVT logo
  - Message Center with compass
- Lights, interior:
  - Header-mounted dome
  - Illuminated entry
  - Lighted bezel (Convertible)
- Map pockets — front doors and back of driver and front passenger seats
- Mirrors, exterior — dual power, with integrated spotter mirrors
- MyKey® owner controls feature
- Remote Keyless Entry System with two integrated keyhead transmitters
- Seating — leather-trimmed Sport bucket seats with coiled Cobra logo and racing stripes
  - Driver 6-way power adjust with power lumbar and 2-way adjustable headrest
  - Front passenger manual 2-way adjust and 2-way adjustable headrest
  - Split-fold 50/50 rear (Coupe)
  - Fixed rear seatbacks (Convertible)
- Steering wheel — GT500-specific leather-wrapped with thumb pads and tilt
- Sun visors — includes dual illuminated vanity mirrors, multi-purpose storage system
- SYNC® voice-activated communications and entertainment system
  - Traffic, Directions and Information
  - 911 Assist™
  - Vehicle Health Report (VHR)
- Universal garage door opener
- Windows — power with one-touch down/up and global open controls
- Windshield wipers — variable interval

#### Quality/Reliability/Durability

- Exhaust — stainless steel dual

#### Design/Styling

- Air registers — aluminum accent
- Ambient interior lighting
  - Cup holders
  - Door sill plates
  - Front and rear footwells
  - Map pockets
  - Programmed via the Message Center
  - Available in any MyColor® customer setting

- Badging
  - "SHELBY" on the rear decklid
  - "Shelby GT500" on the faux gas cap
  - Door trim inserts — soft vinyl
- Fascia, front — GT500-specific with larger air intake and lower air splitter
- Fascia, rear — GT500-specific with underbody air diffuser
- Fog lamps — front, integrated into the fascia
- Grille, upper with coiled Cobra badge
- Headlamps — HID (High-Intensity Discharge)
- Hood, aluminum — GT500-specific with functional heat extractor
- Instrument panel appliqué — aluminum with dimple pattern
- Mirror caps — body-color
- MyColor
  - 125 customizable colors
  - Instrument cluster backlighting
  - Speedometer and tachometer Halo lighting
- Pedals — bright accelerator, brake and clutch
- Rear spoiler — GT500-specific, decklid-mounted
- Shifter knob — white "cue ball" style
- Stripes:
  - "GT500" side stripes
  - LeMans racing stripes (Coupe)
- Wheels — 19" x 9.5" forged premium painted aluminum

### SHELBY GT500 RAPID SPEC OPTIONS

#### Rapid Spec

##### Option Group 820A

- Includes all Shelby GT500 standard equipment

#### Freestanding Options

##### Performance/Handling

##### • SVT Performance Package (67F)

- 3.73:1 limited-slip rear axle differential
- Revised spring rates
- Revised rear shock absorber tuning
- Unique shifter ball
- Narrow LeMans racing stripes
- Solid "GT 500" side stripes
- Rear spoiler with "Gurney Flap" insert

##### Comfort/Convenience

##### • Electronics Package (58N)

- Climate control, Dual-zone Electronic Automatic Temperature Control
- HD Radio™ capability
- Voice-activated Navigation System
- Floor mats delete (12H)
- Shaker™ 1000 audio system (918)
- RECARO® leather-trimmed Sport bucket front seats (88Q)

##### Design/Styling

- Glass roof (59G; not available on convertible)
- Tape stripes delete (46D)

**NOTE:** The above information is an excerpt to be used with pages 2–3 of the Draft 6/17/10 Shelby GT500 Dealer Ordering Guide. For more information and the latest Dealer Ordering Guide, go to [fmcdealer.com](http://fmcdealer.com).

### Key Messages

- Content covered in this section is Shelby GT500-specific. There is no need to reference the Mustang section for Shelby GT500 Performance/Handling information
- The 2012 Shelby GT500 delivers high levels of power and agility
- 5.4L DOHC supercharged V8 engine features a lightweight aluminum engine block and roots-type supercharger which deliver a ground-pounding 550 horsepower
- Short-throw 6-speed manual transmission designed to handle the power from the supercharged V8 engine
- SVT Performance Package raises the impressive capability of Shelby GT500 to levels the track-day enthusiast will appreciate
- AdvanceTrac® with Sport Mode allows for more spirited driving with AdvanceTrac still enabled

## Supercharged 5.4L DOHC 32-valve V8 Engine

### Key Features

- 550 horsepower @ 6200 rpm
- 510 lb.-ft. of torque @ 4250 rpm
- Aluminum block with Plasma Transferred Wire Arc (PTWA) cylinder liner technology
- 8.4:1 compression ratio
- Roots-type Eaton supercharger
- Low-profile intake manifold channels the supercharged air/fuel mixture to the cylinders and allows the entire induction system to be effectively packaged under the special aluminum air-extractor hood
- Aluminum cylinder heads use high-flow ports and specially calibrated dual overhead camshafts with 4 valves per cylinder to deliver optimum engine breathing, good fuel efficiency and emissions
- Forged-steel crankshaft, forged connecting rods and forged pistons handle the extra strain on the lower end of the block
- 60mm dual-bore electronic throttle body
- “Powered by Ford SVT” is cast into the coil covers
- Dual exhaust system

### Aluminum Engine Block

- 102 lbs. lighter than the cast-iron version it replaced
- PTWA cylinder liner technology
- Reinforced with structural webbing
- Unique bulkhead chilled process helps maintain strength
- Billet main bearing caps feature 6-bolt design for high-performance reliability
- Large oil drainbacks and integrated windage tray help improve oil control in extreme conditions

### ENGINEERING INSIGHT

#### PTWA Cylinder Liner Technology

##### What PTWA Is

- A Ford-patented cylinder liner coating process that applies a 150-micron composite coating containing nanoparticles on the internal surfaces of the engine cylinder bores
- Replaces the cast-iron cylinder liners typically used in aluminum engine blocks

##### How It Works

- The PTWA process uses air and electricity to create a 35,000-degree F plasma jet which melts a steel wire that’s fed into a rotating spray gun
- Using atomized air, the melted steel is applied to the cylinder bore surfaces
- The cylinder bore surfaces have been specially machined to receive the coating
- During the process of melting and being applied to the cylinder bore surface, the steel oxidizes, creating a composite consisting of iron and iron oxide

##### Why PTWA Is Important

- Offers improved performance and durability compared to more typical iron cylinder liners
- Helps reduce friction between the cylinder wall and the piston rings
- Helps lower heat transfer
- Provides an approximate 8.5-lb. weight savings over typical iron-sleeved aluminum block

##### What PTWA Means to the Customer

- Overall lighter weight of the engine helps improve fuel economy and performance without a trade-off in reliability and durability

2012

# Shelby GT500

## Performance/Handling

### Supercharged 5.4L DOHC 32-valve V8 Engine cont'd

#### Roots-type Eaton Supercharger

- Operates at 9.0 pounds per square inch (psi) to force-feed a higher-density air/fuel mixture into the engine as it enters the cylinder head
- Higher air/fuel density produces the peak horsepower of a much larger-displacement, naturally aspirated engine
- Take a closer look below at how the supercharger boosts engine power

#### Air-to-water Intercooler

- Helps keep air intake temperatures lower, which helps produce more power
- Two-row design is large, providing more heat-rejection capacity
- Increased heat rejection helps make the power production more consistent in hotter ambient conditions

#### ENGINEERING INSIGHT: Developing Reliable Horsepower

Supercharging	Intercooling
<p>A supercharger uses engine power to spin an impeller. The impeller compresses the air charge and “blows” it into an engine’s intake.</p> <p>Boost is created when the supercharger pushes enough air into the engine to overcome the vacuum naturally created by the engine’s air intake. The supercharger on the Shelby GT500 produces boost of 9.0 psi.</p>	<p>Because air heats up as it is compressed, a supercharger is often coupled with an intercooler to remove heat from the compressed air before it enters the engine’s intake system to provide a cooler, denser intake charge.</p> <p>An intercooler works just like a radiator — it cools air as the air flows over fins and plates inside the intercooler. This generates a denser intake charge and increases the engine’s ability to produce horsepower and torque.</p>

#### Engine Cooling

- Heat-extractor hood vent
- Larger high-capacity aluminum radiator and increased capacity cooling system manage heat
- Loop-style power steering cooler
- Water-to-oil stacked-dish engine oil cooler

#### Dual Exhaust System

- Unique exhaust manifolds help to move spent gases out of the cylinders and into the custom-tuned mufflers and dual exhaust system
- More than 40 different muffler tunings were tested, measured and evaluated for the right sound to get a custom-tuned, aggressive exhaust note
- The H-pipe stamping creates the desired sound and helps increase power output

#### 2011 EPA-estimated Fuel Economy<sup>(1)</sup>

Engine/Transmission	City mpg	Highway mpg
5.4L V8/6-speed Manual	15	23

(1) 2012 fuel economy estimates will be made available prior to production release. Stay tuned to eSourceBook for updates.

### Tremec 6-speed Manual Transmission

#### Key Features

- Pedal box design helps improve clutch pedal feel
- Short-throw performance 6-speed transmission
- Proven heavy-duty performance to handle the high torque output of the supercharged engine
- Less shifting is needed to find the “sweet spot” in keeping the revs “on cam” for power to pass
- Makes the most of the engine’s broad, flat torque curve
- Transmission was used in Grand-Am Cup Champion Ford Racing Mustang FR500C

#### Programmable Performance Shift Indicator

- When activated, provides a visual (SHIFT LAMP) and/or audible cue (SHIFT TONE) to upshift the transmission to the next gear at a preset engine rpm
- SHIFT LAMP and SHIFT TONE can be programmed to be used separately, or together, via the Message Center controls
- SHIFT LAMP feature illuminates the SVT logo on the tachometer in a bright orange when the programmed engine rpm shift point is reached. SVT logo is backlit in red under normal driving
- SHIFT TONE feature sounds an audible tone when the programmed engine rpm shift point is reached
- Engine rpm shift points can be set in 100 rpm increments between 1500-6000 rpm

**NOTE:** The Performance Shift indicator and fuel economy upshift indicator operate independently.

## Traction

### AdvanceTrac® Sport Mode

- Includes Anti-lock Braking System (ABS) and traction control as well as yaw stability control
- Sport Mode is a unique calibration of the AdvanceTrac system that allows more spirited driving while AdvanceTrac is enabled
- Sport Mode is standard on Shelby GT500
- See page 15 in the Mustang Safety/Security purchase motivator section or the Safety section of the Source Book Appendices on **eSourceBook** for a complete description of AdvanceTrac

### Rear Axle

- Modified 8.8-in. live axle
- 3.55:1 gear ratio helps balance overall performance and fuel efficiency
  - 3.73:1 gear ratio with the SVT Performance Package
- Limited-slip differential helps improve traction and off-the-line acceleration

## Chassis

### Balanced Weight Distribution

- 56 percent of the weight is in the front and 44 percent is in the rear of the GT500 Coupe
- 55 percent front and 45 percent rear for the GT500 Convertible matches the Mustang GT Coupe

### MacPherson Strut Front Suspension

- Delivers precise handling, incredible responsiveness and a smooth, comfortable ride
- High spring rates handle the extra weight of the car and help reduce roll
- Reverse L-shaped lower control arms have a number of advantages over classic A-arm or wishbone design
  - Firm bushing controls side-to-side motion for excellent steering response
  - Softer bushing controls fore-and-aft motion and helps dampen road shocks
- 34mm front stabilizer bar helps reduce body roll



### 3-link Rear Suspension with Panhard Rod

- Gives precise control of the rear axle
- Panhard rod bushings are tuned to handle more torque and firmly control the rear axle during hard cornering
- 24mm rear stabilizer bar on Coupe and 20mm on Convertible help reduce body roll

### Key Benefits of Suspension Design

- Constant-rate coil springs and outboard shock absorbers are specially tuned for controlled and precise handling
- Shock absorbers are on the outside of the rear structural rails, near the wheels, to reduce the lever effect of the axle and let the shock valves be tuned more precisely and slightly softer
- Strut tower brace helps stiffen the chassis for track-capable performance

### Four-wheel Disc Brakes

- Front Brembo® 4-piston aluminum calipers and large 14" vented rotors
- Rear 11.8" rotors with 2-piston calipers
- Vented discs provide better cooling and help resist brake fade better than drum brakes
- Includes Anti-lock Braking System (ABS)

2012

# Shelby GT500

## Performance/Handling

### Chassis cont'd

#### Electric Power-Assisted Steering (EPAS) with Drift Control

- New to Shelby GT500 for 2012
- EPAS is a sophisticated electric speed-sensitive steering assist system
- Offers light, responsive steering around town and for parking
- At higher speeds, EPAS delivers less steering assist for more confident control
- EPAS replaces the hydraulic gear system that pulled power (and efficiency) from the engine via a belt
- Helps improve fuel economy and eliminate hydraulic noises common with hydraulic systems

#### Driver-selectable-effort Power-assist

- Offers customer choice of three settings
  - Comfort Mode provides the least amount of road force felt in the steering wheel and requires the least amount of steering effort
  - Sport Mode provides the most road force felt through the steering wheel and requires the highest level of steering effort
  - Standard Mode is a balance between the Comfort and Sport settings
- Settings are accessed and programmed via the Message Center

#### Drift Control

- An automatic system that uses EPAS to help continuously correct for road irregularities and improve overall steering feel
- System is continually “learning” and adapting to steering conditions and compensates for changes that can cause the vehicle to pull left or right
  - Assists the steering effort to help the driver maintain a straighter path
  - Helps driver avoid unwanted lane changes (or drift)
- Reduces steering effort required when driving on crowned roads or in heavy side winds

#### Wheels and Tires

- 19" x 9.5" forged premium painted aluminum wheels with SVT center caps are standard
- New Goodyear F1 GS-2 high-performance tires were developed specifically for the Shelby GT500
  - These tires offer superb dry traction and precise handling characteristics
  - Front: P255/40R19
  - Rear: Larger P285/35R19
- Wider rear tires help get the engine's power to the ground better when accelerating off the line
- Help improve handling balance when powering out of a turn

### ENGINEERING INSIGHT

#### Emergency Tire Inflation Kit

To help save weight, the Shelby GT500 does not have a spare tire. Instead, there is a standard Tire Inflation Kit. The kit includes a compressor and can of tire sealer used to inflate and seal small punctures in the tire caused by road hazards. By eliminating the extra weight of the spare tire, engineers were able to increase the power-to-weight ratio and give the Shelby GT500 improved performance.

### SVT Performance Package

#### Performance/Handling Features

- 3.73:1 limited-slip rear axle differential
- Multi-spoke forged premium painted aluminum wheels
  - 19" x 9.5" front
  - 20" x 9.5" rear
- Revised spring rates
- Revised rear shock absorber tuning

#### Design/Styling Features

- Unique shifter ball
- Narrow LeMans racing stripes
- Solid “GT 500” side stripes
- Rear spoiler with “Gurney Flap” insert



# Shelby GT500

## Comfort/Convenience

# 2012

### Key Messages

- The content covered in this area is specific or new to the Shelby GT500. For more information on the Comfort/Convenience features common to the Shelby GT500 and the Mustang, see the Mustang section pages 26–34
- MyKey® and HD Radio™
- SYNC® connects audio and phone technology to the vehicle sound system
- Voice-activated Navigation System with Sirius Travel Link™
- Glass roof adds the feel of a convertible while maintaining the legendary aggressive style and athletic stance of the Shelby GT500 Coupe
- Shaker sound systems make it feel like the front row of a concert

## Interior

### Seating

- RECARO® leather-trimmed Sport bucket front seats with accent stripe
- Designed by SVT in cooperation with RECARO for high-performance Mustang models like Shelby GT500 and Boss 302
- Thick side bolstering provides lateral support to keep the driver firmly planted in the seat during aggressive cornering maneuvers

### Electronics Package

- Voice-activated Navigation System with HD Radio and Sirius Travel Link™
- Dual-zone Electronic Automatic Temperature Control

2012

# Shelby GT500

## Quality/Reliability/Durability

### Key Messages

- The content covered in this area is specific or new to the Shelby GT500. For more information on the Quality/Reliability/Durability features common to the Shelby GT500 and the Mustang, see the Mustang section pages 35–36
- NVH (Noise, Vibration and Harshness) features designed to help lower road and wind noise
- Testing in multiple countries ensures high levels of Quality, Reliability and Durability
- One-piece instrument panel helps reduce interior squeaks and rattles
- Easy maintenance with a 7500-mile oil change interval, a well-designed engine bay and 90,000-mile spark plug maintenance interval<sup>(1)</sup>
- Powertrain limited warranty protection for 5 years/60,000 miles and 24-Hour Roadside Assistance Program

### NVH Features

#### Shelby GT500 Models

- Engine-side dash absorber
- Sealing between the doors and the lower rockers
- Rear-wheel arch liner helps reduce road noise on gravel roads and in the rain

#### Shelby GT500 Convertible

- Stiff “V-brace” with gussets
- Stiff #2 crossmember
- Front “Z-brace” connecting to the #1 and #2 crossmembers
- A-pillar stiffening foam

### Quality

#### One-piece Instrument Panel

- Designed to help reduce squeaks and rattles and has tight fit and finish
- Provides an overall sense of build quality and attention to detail



(1) Under normal driving conditions. See vehicle Owner's Guide.

### Key Messages

- The content covered in this area is specific or new to the Shelby GT500. For more information on the Design/Styling features common to the Shelby GT500 and the Mustang, see the Mustang section pages 37–47
- Shelby GT500 takes its form from functional design cues that include a lower front air splitter, hood heat extractor vent and rear underbody air diffuser
- Signature coiled Cobra badge
- Shelby GT500 interior includes a soft-touch instrument panel with unique dimpled-aluminum inserts and Smoke Satin accents, exhaust-influenced air registers and instrument cluster with 360-degree chrome rings and conical lenses
- Center stack and flow-through center console deliver a driver-centered cockpit feel
- Seats, door trim panels and shifter ball include Le Mans racing stripes — matched to the exterior stripe color

## Exterior

### Glass Roof

- Adds the panoramic feel of a convertible while maintaining the legendary aggressive style and athletic stance of the Mustang Coupe
- Coupe styling is complemented while maintaining interior versatility and head room, at about half the price of the Convertible
- Constructed of laminated safety glass, which includes a thin layer of vinyl sandwiched between two pieces of glass to maintain excellent interior acoustics and quietness
- Tinted privacy glass helps maintain a climate-controlled environment and protect interior fabrics from the sun's ultraviolet (UV) rays
  - The UV protection is equivalent to an SPF 50 sunscreen rating
- Interior temperatures of a Mustang Coupe equipped with a glass roof vary by no more than 2 degrees F compared to a Coupe without the glass roof
- Manual roller blind sunshade offers a choice of additional protection from the sun or increased privacy



### Shelby GT500 Convertible Features

- The same 550-horsepower 5.4L supercharged V8 engine and Tremec 6-speed manual transmission power as the GT500 Coupe and GT500 Convertible
- Coupe-like ride and handling is a result of good torsional rigidity that allowed the engineers to add fewer reinforcements to the chassis
  - Less added weight meant few suspension modifications were needed to achieve excellent handling characteristics
- Cloth convertible top uses premium material found on luxury cars and is designed to be more durable
  - “Floating” 5-bow design creates a tauter top, resulting in a very quiet interior while driving with the top up
  - Glass rear window will not discolor, scratch or stain like plastic
  - Includes Black soft boot

### Up Front Features

- Functional lower air splitter at the bottom of the unique front fascia limits airflow under the car, helping improve high-speed aerodynamics
- Aluminum hood with heat extractor vent is specific to Shelby GT500
  - The functional air extractor helps improve underhood temperatures by increasing airflow
- Large upper and lower grille openings help improve airflow to the radiator and intercooler and give a strong visual connection to vintage Shelby 427 Cobras
- HID (High-Intensity Discharge) headlamps provide a distinctive look and excellent nighttime visibility
- Distinctive coiled Cobra badging offset in the grille

2012

# Shelby GT500

## Design/Styling

### Exterior cont'd

#### Features Along the Side

- Distinctive coiled Cobra badging on the front fenders
- 19" x 9.5" forged premium painted aluminum wheels with SVT center caps

#### Features At the Rear

- Rear fascia features a roll pan with airflow diffuser to help improve aerodynamic efficiency
- Rear spoiler is a modern application of the classic GT500 design and helps provide aerodynamic downforce at higher speeds
- "SHELBY" lettering is boldly shown on the trunk lid, under the spoiler
- SHELBY GT500 and coiled Cobra logos are seen on the "gas cap" badge



#### Stripes

- Le Mans-style "Over-the-Top" racing stripes are true to Shelby Mustang heritage and are available in five colors, depending on the exterior color
  - Two distinctive 9"-wide Le Mans-style "Over-the-Top" racing stripes
  - Stripes cover the fascias, hood and decklid of Coupe models, include stripes over the roof
- "GT 500" side stripes are a tri-bar design along the rocker panels of Coupe and Convertible and are also available in five colors, depending on the exterior color
  - Coupe and Convertible have the "GT 500" side stripe along the lower exterior rocker panels
- Five stripe colors are available, depending on exterior color
  - Black
  - Grabber Blue
  - Performance White
  - Race Red
  - Silver
- Stripe delete option available



#### Exterior Colors

- Black
- Grabber Blue
- Ingot Silver Metallic
- Kona Blue Metallic
- Performance White
- Race Red
- See pages 70–71 for color and trim availability

## Seating

### Front Bucket Seats

- Charcoal Black leather-trimmed front bucket seats feature rolled-and-pleated perforated inserts with exterior color-matched Le Mans-style racing stripes
- Seat side bolsters include Alcantara® suede inserts while the bolsters and headrests offer contrast color thread stitching
- Coiled Cobra logo is embossed on the front seatbacks



### Rear Seats

- Feature exterior color-matched Le Mans-style racing stripe inserts



## Interior

### Instrument Panel and Trim

- Smoke Satin finish trim replaces the traditional chrome-finish trim around the instrument cluster rings, air conditioning registers and speaker rings
- Brushed aluminum inserts feature a dimple pattern accent to reflect an appearance of cross-drilled brake rotors
- Integrated center stack sweeps down from the double-brow instrument panel and into the flow-through center console and places audio and climate controls within easy reach of the driver or front passenger
- Light-faced gauges with white lettering are a unique SVT performance cue pioneered on the original Mustang Cobra
- Supercharger boost gauge replaces the voltmeter gauge and keeps tabs on performance
- Programmable Shelby Performance Shift indicator light is included with the tachometer

### Steering Wheel

- Leather-wrapped steering wheel has a thicker wrap than Mustang
- Features Alcantara suede-trimmed thumb pads positioned for enthusiast driving
- GT500 script and coiled Cobra logo on the steering wheel center pad

### Flow-through Center Console

- Forms the backbone of the interior
- Includes cup holders with a push/flip cover and lockable storage bin with "SHELBY" embossed on the release button

### Ambient Interior Lighting

- Programmable via the Message Center, the driver can now program up to 125 ambient interior lighting colors from the MyColor® palette in addition to the seven factory preset colors
- Aluminum "SVT" door sill plates illuminate only in red



## SVT Performance Package

### Design/Styling Features

- Unique shifter ball
- Narrow LeMans racing stripes
- Solid "GT 500" side stripes
- Rear spoiler with "Gurney Flap" insert

### Performance/Handling Features



- 3.73:1 limited-slip rear axle differential
- Revised spring rates
- Revised rear shock absorber tuning

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# Shelby GT500

## Wheels/Color and Trim

### Wheels

Wheel		Coupe	Convertible
19" Forged Premium Painted Aluminum Wheel		Standard	Standard
19"/20" Forged Multi-spoke Premium Painted Aluminum Wheel		Included in SVT Performance Package	Included in SVT Performance Package

### Color and Trim Availability

	Shelby GT500 Coupe/Convertible					
	Color	Charcoal Black Environment				
	Material	Leather-trimmed Seats				
	Stripe Accent	Satin Black <sup>(1)</sup>	White	Silver	Grabber Blue	Red
Paint Name	Order Code	6X (Std.) QX (RECARO®)	62 (Std.) Q2 (RECARO)	67 (Std.) Q7 (RECARO)	6B (Std.) QB (RECARO)	6D (Std.) QD (RECARO)
Black	UA	■	■	■	■	■
Grabber Blue	CI	■	■			■
Ingot Silver Metallic	UX	■				
Kona Blue Metallic	L6	■	■	■		
Performance White	HP	■		■	■	■
Race Red	PQ	■	■	■		

(1) Tape Stripe Delete (64D) available with Satin Black Accent interior only.

**NOTE:** See the Shelby Dealer Ordering Guide for seating availability.

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## Color and Trim, Stripe Choices

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### Color and Trim Availability cont'd

Paint Name	Order Code	SVT Performance Package		
		Charcoal Black Leather with Coordinated Racing Stripe Inserts		
		Black Accents	White Accents	Red Accents
		6X (Std.) QX (RECARO®)	62 (Std.) Q2 (RECARO)	6D (Std.) QD (RECARO)
Black	UA	⊕		◆
Grabber Blue	CI	⊕	■	
Ingot Silver Metallic	UX	⊕		●
Kona Blue Metallic	L6	⊕		◆
Performance White	HP	⊕		●
Race Red	PQ	⊕	■	

⊕ = (46D) stripe delete only   ■ = White stripes with black accents   ● = Red stripes with black accents   ◆ = Red stripes with silver accents

### Interior Trim

Model	Style/Material	Description
Coupe/Convertible	Leather	Leather-trimmed Sport front bucket seats with rolled-and-pleated perforated inserts, side bolsters with Alcantara® suede inserts and contrast color thread stitching and vinyl-trimmed 50/50 split bucket rear seats (folding in Coupe)
SVT Performance Package	Cloth	RECARO® Sport front cloth bucket seats trimmed with Miko suede and rear vinyl-trimmed 50/50 split buck rear seats (folding in Coupe)

**NOTE:** See the Shelby Dealer Ordering Guide for available seating choices.

### Stripe Choices

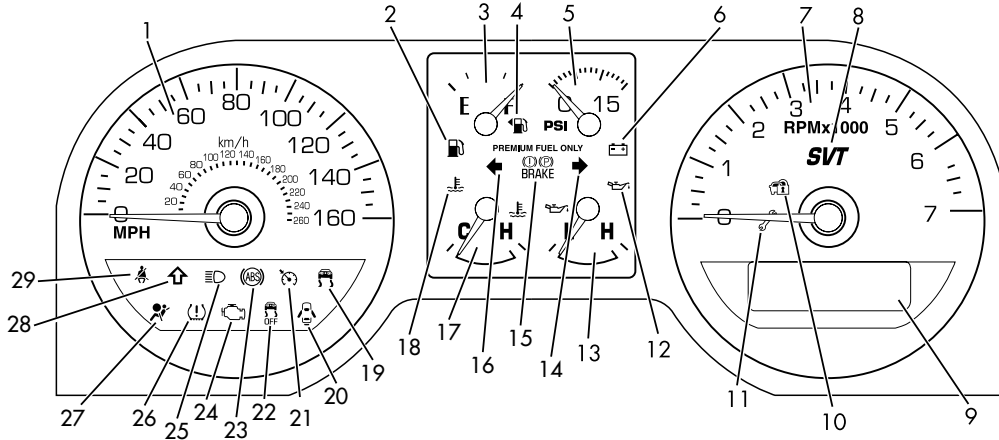
Exterior Color	Exterior Tape Stripe Color(s)	Interior Environment
Black	Silver, White, Grabber Blue, Black	Charcoal Black
Grabber Blue	Black, White, Red	Charcoal Black
Ingot Silver Metallic	Black	Charcoal Black
Kona Blue Metallic	Black, Silver, White	Charcoal Black
Performance White	Black, Silver, Grabber Blue, Red	Charcoal Black
Race Red	Black, White, Silver	Charcoal Black

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# Shelby GT500

## Instrument Cluster

### Instrument Cluster



- |                                                       |                                                          |                                                                |
|-------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------------|
| 1. Speedometer                                        | 12. Low engine oil pressure warning light                | 22. AdvanceTrac/Traction Control off indicator light           |
| 2. Low fuel warning light                             | 13. Engine oil pressure gauge                            | 23. Anti-lock Braking System readiness indicator/warning light |
| 3. Fuel gauge                                         | 14. Right turn signal indicator                          | 24. Check engine warning light                                 |
| 4. Fuel filler door location indicator                | 15. Brake system warning light/parking brake indicator   | 25. High-beam indicator                                        |
| 5. Supercharger boost gauge                           | 16. Left turn signal indicator                           | 26. Low tire pressure warning light                            |
| 6. Charging system warning light                      | 17. Engine coolant temperature gauge                     | 27. Airbag readiness indicator/warning light                   |
| 7. Tachometer                                         | 18. Engine temperature warning light                     | 28. Upshift indicator light                                    |
| 8. Performance shift indicator light                  | 19. AdvanceTrac®/Traction Control active indicator light | 29. Fasten safety belt warning light                           |
| 9. Message Center                                     | 20. Door ajar warning light                              |                                                                |
| 10. Anti-theft system active indicator                | 21. Cruise control active indicator                      |                                                                |
| 11. Throttle control/transmission fault warning light |                                                          |                                                                |



# Shelby GT500

## Key Product Specifications<sup>(1)</sup>

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Shelby GT500

Model	Coupe	Convertible
Wheelbase	107.1	107.1
Length	188.2	188.2
Height	55.4	55.9
Width (with/without mirrors)	80.1/73.9	80.1/73.9
Track (front/rear)	61.9/62.5	61.9/62.5
Curb Weight (approx. lbs.)	3820	3969
Weight Distribution (front/rear, %)	55/45	55/45

Front/Rear Seating		
Seating Capacity	4	4
Head Room (front/rear)	38.5/34.7	38.8/36.5
Shoulder Room (front/rear)	55.3/51.6	55.3/45.0
Hip Room (front/rear)	53.4/46.8	53.4/45.2
Leg Room (front/rear)	42.4/29.8	42.4/29.8

Passenger/Luggage/Fuel Capacity		
Passenger Volume (cu. ft.)	83.3	81.0
Luggage Capacity (cu. ft.)	13.4	9.6
EPA Interior Volume (cu. ft.)	96.7	90.6
Fuel Tank Capacity (gal.)	16.0	16.0

Engine	
Driveline Layout	Front engine, rear drive
Engine Type	5.4L DOHC supercharged V8
Displacement (liters/cu. in.)	5.4/330
Horsepower @ rpm	550 @ 6200
Torque (lb.-ft.) @ rpm	510 @ 4250
Compression Ratio	8.4:1
Bore and Stroke	3.552 x 4.165
Construction	Aluminum block with aluminum heads
Intake Manifold	Cast aluminum
Supercharger	Roots-type with air-to-water intercooler
Boost	9.0 psi
Exhaust Manifold	Cast iron
Crankshaft	Forged steel
Throttle Body	Dual bore 60mm, electronic
Valvetrain	DOHC, 4 valves per cylinder
Valve Diameter	Intake: 37.0mm Exhaust: 32.0mm
Pistons	Forged aluminum
Connecting Rods	Forged steel I-beams
Ignition	Coil-on-plug
Oil Capacity	6.5 quarts, 5W-50 full synthetic
Coolant Capacity	21 quarts, engine <sup>(2)</sup>
Fuel System	Sequential multi-port fuel injection
Fuel Requirement	93 octane (minimum)
Exhaust System	Dual with catalytic converters and "H" crossover pipe

2011 EPA-estimated Fuel Economy <sup>(3)</sup>	
City/hwy. mpg	15/23

Transmission	
Type	Tremec 6-speed manual
Final Drive Ratio	3.55:1

Gear Ratios					
6-speed Manual	1st	2nd	3rd	4th	5th
	2.97:1	1.78:1	1.30:1	1.0:1	0.74:1
	6th	Rev.			
	0.50:1	3.55:1			

Front Suspension	
Type	Independent MacPherson struts with reverse-L lower control arm
Springs	Coil
Stabilizer Bar Diameter	34mm

Rear Suspension	
Type	Solid-axle 3-link with Panhard rod
Springs	Coil
Shock Absorbers	Twin-tube, gas-pressurized hydraulic
Stabilizer Bar (dia.)	24mm

Steering	
Type	Rack-and-pinion with electric assist
Overall Ratio	15.7:1
Turning Diameter, Curb-to-Curb (ft.)	37.0

Brakes	
Standard	Power four-wheel disc with Anti-lock Braking System (ABS) and Electronic Brake Force Distribution (EBD)

Trailer Towing	
Towing Class	Not recommended

Flat/Neutral Towing	
Emergency Towing	It is recommended that Shelby GT500 be towed with a wheel lift or with flatbed equipment. However, if towing in an emergency only, Shelby GT500 may be neutral-towed behind another vehicle, but only at a maximum speed of 35 mph and for a distance of no greater than 50 miles.
Recreational Towing	When towing Shelby GT500 behind another vehicle such as an RV, a wheel lift or a flatbed trailer must be used.

(1) All dimensions in inches unless otherwise noted.

(2) Engine-fill only. Does not include four extra quarts of coolant for supercharger intercooler.

(3) 2012 fuel economy estimates will be made available prior to production release. Stay tuned to eSourceBook for updates.

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