

# 2010 Mustang Technical Specifications

## Standard Equipment on 4.0-liter V-6:

### Powertrain/Functional

- 4.0-liter V-6 Engine
- 5-speed Manual Transmission
- Power Vented 4-wheel Disc Brakes with Anti-lock Braking System (ABS)
- Remote Keyless Entry System
- Rear-window Defroster
- Easy Fuel™ Capless Fuel Filler System

### Exterior

- LED Sequential Taillamps
- LED High Mounted Stop Lamp
- 17-inch Painted Aluminum Wheels
- Convertible Top (Convertible Model)
- Mini Spare Tire
- Stainless Steel, Single Exhaust
- Complex Reflector Halogen Headlamps
- Dual Power Black Mirrors
- Rear Quarter Mounted Antenna

### Interior

- Manual Air Conditioning
- AM/FM Stereo with Single-disc CD Player and Clock
- Audio Input Jack
- Floor Console with Full Armrest and Locking Storage
- Two Covered Cup Holders
- Black Front Floor Mats
- Driver Footrest
- Chrome Accent 4-gauge Instrument Cluster and Register Vents
- Dome Lamp (Coupe Only)
- Lighted Bezel (Convertible Only)
- Two Map Pockets, Back Side of Driver and Passenger Seats
- Cloth Bucket Seats, 4-way Manual Driver, 2-way Manual Passenger (Split-fold Rear Seats on Coupe)
- Tilt Steering Wheel with Cruise Control
- Power One-touch-up/down Driver and Passenger Windows
- Power Locks
- Interior Trunk Release

### Safety & Security

- Dual-stage Front Airbags
- Front-seat Side Airbags
- Illuminated Entry
- Tire Pressure Monitoring System (TPMS)
- LATCH (Lower Anchors and Tethers for CHildren)
- SecuriLock® Passive Anti-theft System

- Personal Safety System®
- AdvanceTrac® Electronic Stability Control
- SOS Post Crash Alert System

### **Optional Equipment on 4.0-liter V-6:**

- **Security Package**
  - Active Anti-theft System
  - Wheel Locking Kit

### **Optional Equipment on 4.0-liter V-6 Premium: Exterior Sport Appearance Package**

- Lower Tape Stripe
- Decklid Spoiler

### **V-6 Pony Package**

- 18-inch Polished Aluminum Wheels
- Body-color Exterior Mirrors
- Unique Grille
- Fog Lamps
- Pony Fender Badge
- Auto Headlamps
- Premium Floor Mats with Embroidered Tri-bar Pony Logo
- Decklid Spoiler
- Unique Lower Tape Stripe
- Unique Chrome Exhaust Tip

### **Electronic Package**

- Voice-activated Navigation System with SIRIUS Travel Link™ (Includes 6-month Complimentary Subscription)
- Dual-zone Electronic Automatic Temperature Control

### **Comfort Package**

- 6-way Power Passenger Seat
- Heated Front Seats
- Auto-dimming Rearview Mirror with Compass

### **Security Package**

- Active Anti-theft System
- Wheel Locking Kit
- 18-inch Painted Aluminum Wheels
- HID (High-Intensity Discharge) Headlamps, Late Availability
- Glass Roof
- Convertible Boot
- Tape Stripe Delete
- Reverse Camera System

### **Standard Equipment on GT:**

#### **Powertrain/Functional**

- 4.6-liter V-8 Engine

- 5-speed Manual Transmission
- Brakes – Power with 4-wheel vented discs
- Remote Keyless Entry
- Rear Window Defroster
- Engine Cover
- Easy Fuel™ Capless Fuel Fuller

## **Exterior**

- LED Sequential Tail Lamps
- 18-inch Wide Spoke Painted Aluminum Wheels
- Black Chrome Pony in Grille
- Auto Headlamps
- Rear Spoiler
- Fog Lamps
- Dual Bright Rolled Exhaust Tips
- Mirrors – Body Color, Dual Power
- Rear Quarter Panel Mounted AM/FM Antenna

## **Interior**

- Air Conditioning – Manual
- Audio – Premium AM/FM stereo w/ Single CD & Clock
- Audio Input Jack
- Console – Full armrest with locking storage
- Two covered cupholders
- Footrest – Driver
- Instrument Cluster – Chrome accent four-gauge cluster and register vents
- Lamps – Center High Mounted Dome (Coupe Only)
- Lighted Bezel (Convertible Only)
- Power Points (2)
- Seats – Cloth Bucket, 2-way Manual Passenger, 4-way Manual Driver
- Steering Wheel – tilt w/ speed control
- Windows/Locks – Power 1-touch Up/Down Driver and Passenger Windows
- Interior Trunk Release

## **Safety & Security**

- Dual Front Air Bags
- Driver/Passenger Side Impact Airbags
- Tire Pressure Monitoring System (TPMS)
- LATCH (Lower Anchors & Tethers for Children) System
- SecuriLock® Passive Anti-Theft (PATs)
- Personal Safety System for Driver and front Passenger
- Advance Trac® with Electronic Stability Control® (ESC)
- SOS Post Crash Alert System

## **Optional Equipment on GT:**

- **Security Package**
  - Active Anti-Theft
  - Wheel Locking Kit
- **3.73 Rear Axle Package** (*GT Coupe with Manual Transmission only*)

- Performance 3.73 Axle Ratio
- Dual Piston Front Calipers with Performance Brake Pads
- Recalibrated Electronic Stability Control® (ESC)

### **Optional Equipment on GT Premium:**

- **Security Package**
  - Active Anti-Theft
  - Wheel Locking Kit
- **Comfort Package**
  - 6-Way Power Passenger Seat
  - Heated Front Seats
  - Auto-dimming Mirror with Compass
- **Electronics Package**
  - Voice Activated Navigation
  - SIRIUS® Travel Link™ with complimentary 6-month subscription (N/A in AK & HI)
  - Dual Zone Automatic Temperature Control
- **3.55 Rear Axle** (*GT Premium Coupe with Manual Transmission only*)
- **3.73 Rear Axle Package** (*GT Coupe with Manual Transmission only*)
  - Performance 3.73 Axle Ratio
  - Dual Piston Front Calipers with Performance Brake Pads
  - Recalibrated Electronic Stability Control® (ESC)
  - 18-inch Polished Aluminum Wheels
  - 19-inch Bright Machined Aluminum Wheels
  - 19-inch Premium Painted Luster Nickel Aluminum Wheels
  - Spoiler Delete
  - Rear Video Camera (*Requires Decklid Spoiler*)
  - HID Headlamps (*Late Availability*)
  - *Req. Security Package, N/A with Daytime Running Lights*
  - Glass Roof (*N/A with Stone Interior*)
  - Shaker 1000 (*N/A with Electronics Package*)

### **Standard Equipment on Shelby GT500:**

#### **Mechanical**

- Brakes – Power 4-wheel discs with ABS (Brembo four-piston Front Calipers)
- Engine – 5.4-liter Supercharged 4V V8 w/cold-air intake system and low restriction exhaust
- Transmission – Tremec 6-speed Manual w/3.55 rear axle ratio

#### **Safety & Security**

- Personal Safety System™ (seat belt pre-tensioners, load limiting retractors, dual stage front air bags, driver seat position sensing & crash severity sensing)
- AdvanceTrac® Electronic Stability Control
- Airbags – Dual Stage Front
- Airbags – Side Impact
- Keyless Entry – Remote
- LATCH (Lower Anchors & Tethers for Children) system
- Lighting – Illuminated Entry

- Anti-Theft Perimeter Alarm (incl. perimeter inclination & intrusion alarms)
- SecuriLock® Passive Anti-Theft (PATS)
- Tire Pressure Monitoring System (TPMS)
- Advance Trac® Electronic Stability Control® (ESC)

## **Exterior**

- Badges – “Shelby GT500” badging on faux gas cap & "SHELBY" badging on rear decklid
- Exhaust – Dual Stainless Steel with 4-inch Tips
- Headlamps – Quad Reflector w/integral park/turn lamps
- Hood – Aluminum hood (w/ large single heat extractor)
- Fog lamps
- Power Mirrors
- Over-the-top “racing stripes” and “GT500” side stripes
- Rear Spoiler – SHELBY rear decklid
- 18 X 9.5-inch Aluminum Wheels with Goodyear Eagle F1 Supercar Tires (P255/45ZR18 Front & 285/40ZR18 Rear ) Convertible Only
- 19 X 9.5-inch Aluminum Wheels with Goodyear Eagle F1 Supercar Tires (P255/40ZR19 Front & P285/35ZR19 Rear) Coupe Only

## **Interior**

- Center Console – Armrest with Locking Storage
- Climate Control – Manual
- Two Covered Cupholders
- Door Locks – Power
- Floor Mats – 1st Row w/ Silver perimeter stitching and "GT500" embroidered logo
- Lighting – Ambient Lighting w/MyColor™ 125 color gauge backlighting
- Seats – Leather sport buckets w/ racing stripes coordinated to exterior stripes and Alcantara® accents. Also 6-way Power Driver's Seats with Power Lumbar and adjustable headrest
- Steering Wheel – Tilt Leather and Alcantara® w/ Unique Thumb Pads
- Windows – Power, Driver & Passenger Global Open Controls
- Shifter – Short-throw with unique Q-ball shift knob

## **Functional**

- Shaker 500 System with 8 speakers (AM/FM Stereo/CDx6 MP3 Capable) & Audio Input Jack
- Ford SYNC™
- SIRIUS® Satellite Radio
- Cruise Control
- Easy Fill Capless Fuel Filler
- Auto Headlamps
- Instrument Cluster: 6 gauge instrument cluster SVT graphics; brushed aluminum accent cluster and air registers. Also includes message center with compass
- Pedals: Bright Clutch, Brake and Accelerator
- 2 Power Points
- Interior Trunk Release
- Rear Window Defroster

## **Optional Equipment on Shelby GT500:**

- Voice Activated Navigation – Dual Zone Automatic
- Temperature Control – Integrated audio and data
- Satellite radio – Park & Play (plays/reads audio and video discs) – Music Jukebox (CD)

"ripping" capability)

- Shaker 1000 Audio System – AM/FM Stereo w/In-Dash CDx6, MP3 & 10-Speakers (Not available with
- HID Headlamps (late availability)
- Tape Stripes Delete – Top and side stripe delete
- Weathershield Full Vehicle Cover, w/Shelby Script & Cobra Logo

<b>BODY</b>		
Construction	Unitized welded steel body, aluminum hood	
Final assembly location	Flat Rock, Mich.	
<b>POWERTRAIN AND CHASSIS</b>		
<b>ENGINE</b>	<b>V-6</b>	<b>V-8</b>
Type	4.0-liter 60-degree V-6	4.6-liter 90-degree V-8 with cold air induction
Manufacturing location	Cologne, Germany	Romeo, Mich.
Configuration	Iron block and aluminum head	Aluminum block and head
Intake manifold	Composite shell-welded with internal runner pack	Composite shell-welded single runner, charge motion control valves
Exhaust manifold	Cast iron	Cast iron
Redline	6,100 rpm	6,250 rpm
Throttle body	65-mm single-bore electronic	55-mm dual-bore electronic
Valvetrain	SOHC, 2 valves per cylinder	SOHC, 3 valves per cylinder, variable camshaft timing
Valve diameter	Intake: 46.0 mm Exhaust: 39.0mm	Intake: 33.8 mm Exhaust: 37.5 mm
Pistons	Cast aluminum	Hypereutectic aluminum
Connecting rods	Forged steel	Cracked powdered metal with floating wristpins
Ignition	Distributorless with coil pack	Coil-on-plug, high-thread-insert spark plugs
Bore x stroke	3.95 x 3.32/100.4 x 84.4 mm	3.55 x 3.54/90.2 x 90.0 mm
Displacement	245 cu. in. / 4,009 cc	281 cu. in. / 4,606 cc
Compression ratio	9.7:1	9.8:1
Engine control system	PCM	PCM
Horsepower	210 @ 5,300 rpm	315 @ 6,000 rpm - estimated
Horsepower per liter	53	68
Torque	240 lb.-ft. @ 3,500 rpm	325 lb.-ft. @ 4,250 rpm - estimated
Recommended fuel	87 octane	87 octane
Fuel capacity	16 gallons	16 gallons

Fuel injection	Electronic returnless sequential	Electronic returnless sequential
Oil capacity	5 quarts with filter	6 quarts with filter
Coolant capacity	12.5 quarts	14.2 quarts
<b>DRIVETRAIN</b>		
<b>Layout</b>	<b>Rear-wheel drive</b>	<b>Rear-wheel drive</b>
<b>TRANSMISSION</b>		
<b>Standard</b>	<b>5-speed manual (Tremec T-5)</b>	<b>5-speed manual (Tremec 3650)</b>
<b>Gear ratios</b>		
1st	3.75:1	3.38:1
2nd	2.19:1	2.00:1
3rd	1.41:1	1.32:1
4th	1.00:1	1.00:1
5th	0.72:1	0.68:1
Final Drive	3.31:1	3.55:1
<b>Optional</b>	<b>5-speed automatic</b>	<b>5-speed automatic</b>
1st	3.22:1	3.22:1
2nd	2.29:1	2.29:1
3rd	1.54:1	1.54:1
4th	1.00:1	1.00:1
5th	0.71:1	0.71:1
Final Drive	3.31:1	3.31:1
<b>SUSPENSION</b>		
Front	Reverse-L independent MacPherson strut, 28.6-mm tubular stabilizer bar	Reverse-L independent MacPherson strut, 34-mm tubular stabilizer bar
Rear	3-link solid axle with coil springs and Panhard rod and solid stabilizer bar	3-link solid axle with coil springs, Panhard rod and 20-mm solid stabilizer bar
<b>STEERING</b>		
Type	Rack and pinion with power assist	Rack and pinion with power assist
Ratio	15.7:1	15.7:1
Turning circle curb-to-curb	33.4 ft.	37.7 ft.
<b>BRAKES</b>		
Type	Four-wheel power disc brakes with 4-sensor, 4-channel anti-lock braking system (ABS)	Four-wheel power disc brakes with 4-sensor, 4-channel anti-lock braking system (ABS)

Front	293 (11.5 in) x 30 mm vented disc, twin-piston 43-mm floating aluminum calipers	316 (12.4 in) x 30 mm vented disc, twin-piston 43-mm floating aluminum calipers
Rear	300 (11.8 in) x 19 mm vented disc, single piston 43 mm floating iron calipers	300 (11.8 in) x 19 mm vented disc, single piston 43 mm floating iron calipers
<b>TIRES AND WHEELS (TYPE, SIZE)</b>		
Standard	P215/60R17 A/S 17 x 7.0-inch painted alum wheels	P235/50WR18 A/S 18 x 8.0-inch painted alum wheels
Optional	17-inch machined aluminum wheel 18-inch painted aluminum wheel 18-inch polished aluminum wheel	P245/45WR18 A/S 18-inch polished aluminum wheels 19-inch machined aluminum wheels 19-inch premium painted aluminum wheels
<b>DIMENSIONS (inches unless otherwise noted)</b>		
	<b>Coupe</b>	<b>Convertible</b>
<b>EXTERIOR</b>		
Wheelbase	107.1	107.1
Overall length	188.1	188.1
Overall width	73.9	73.9
Overall height	55.6	56.1
Track, front/rear	62.3 / 62.9	62.3 / 62.9
<b>INTERIOR</b>		
Seating capacity	4	4
Front headroom	38.5	38.8
Front legroom	42.4	42.4
Front shoulder room	55.3	55.3
Front hip room	53.4	53.4
Rear headroom	34.7	36.5
Rear legroom	29.8	29.8
Rear shoulder room	51.6	45.0
Rear hip room	46.8	45.2
<b>WEIGHTS AND CAPACITIES</b>		
SAE passenger volume	83.3 cu. ft.	81.0 cu. ft.
Cargo volume	13.4 cu. ft.	9.6 cu. ft.
Maximum towing capacity (properly equipped)	1,000 lbs.	1,000 lbs.
<b>FUEL ECONOMY (city/hwy)</b>	<b>5-speed Automatic</b>	<b>5-speed Manual</b>

4.0-liter V-6	16/24	18/26
4.6-liter V-8	17/23	16/24
<b>BASE CURB WEIGHT (POUNDS)</b>		
Manual transmission	3,401 estimated	3,533 estimated
Automatic transmission	3,454 estimated	3,581 estimated
Weight distribution (f/r)	54/45 estimated	54/46 estimated
Power-to-weight ratio	TBD	TBD
Manual transmission	TBD	TBD
Automatic transmission	TBD	TBD

*Specifications subject to change.*