

You Auto Know 2018 Mustang

Key Mustang Messages

- Mustang is designed to appeal to current enthusiasts as well as a new generation of drivers. Impressive features include its sleek design, advanced technology and performance, with two powerful engines and features like MagneRide Damping System
- Two engines, including the 5.0L Ti-VCT V8 and a 2.3L EcoBoost
- An all-new 10-speed automatic transmission
- Available Active Valve Performance Exhaust provides throaty Mustang sound or more aggressive rumble with the flip of a switch
- Available 12-inch LCD digital instrument cluster for customizable performance
- Impressive array of standard and available advanced technology features, including:
 - SYNC Connect powered by FordPass and Wi-Fi[®] hotspot
 - Light-emitting diode (LED) headlamps and foglamps
 - Pre-collision Assist with Pedestrian Detection
- Several packages allow owners to add unique style to their Mustang

Key Mustang Features

- 5.0L Ti-VCT V8 and 2.3L EcoBoost engines
- Active Valve Performace Exhaust
- 12" LCD digital instrument cluster
- Selectable drive modes
- MagneRide Damping System
- Launch control
- Innovative driver-assist technologies
- GT and EcoBoost Performance Packages



New for 2018 2018 Mustang

Features

Performance/Handling

- Revised 2.3L EcoBoost and more powerful 5.0L Ti-VCT V8
- All-new dual fuel delivery system, combines port fuel and direct injection to the 5.0 Ti-VCT V8
- All-new 10-speed SelectShift automatic transmission
- Active Valve Performance Exhaust
- MagneRide Damper Technology
- New 12-inch digital display instrument cluster
- Revised chassis designed to improve ride and handling

Safety/Security

- New Ford Safe and Smart Package
 - Adaptive cruise control
 - Auto high-beam headlamps
 - BLIS (Blind Spot Information System) with cross-traffic alert
 - Automatic Emergency Braking
 - Forward collision warning with brake support
 - Lane Keeping System
 - Memory driver seat, exterior mirrors and ambient lighting
 - Pre-Collision Assist with Pedestrian Detection
 - Rain-sensing windshield wipers

Comfort/Convenience

- SYNC Connect powered by FordPass with Wifi[®] Hotspot
- Voice-Activated Touchscreen Navigation System available on all series
- New Premium Plus Package on Premium models
- Heated steering wheel
- Comfort-wrapped knee bolsters

Quality/Reliability/Durability

Acoustic laminated windshield standard on all models

Design/Styling

- New from the A-pillar forward
- Redesigned hood, grille and fenders
- New light-emitting diode (LED) headlamps and daytime running lamps
- New LED parking lamps
- New LED foglamps
- Quad exhaust tips on GT models
- Hood vents standard on all models
- Redesigned LED tri-bar taillamps
- 10 New aluminum wheel designs
- Four new aluminum instrument panel finishes
- Restyled seating surfaces with new patterns and colors
- Carbon Sport Interior Package
- New interior colors:
 - Midnight Blue



- Showstopper Red
- Tan
- Exterior colors added:
 - Kona Blue⁽¹⁾
 - Orange Fury Metallic Tinted Clearcoat⁽²⁾
 - Royal Crimson Metallic Tinted Clearcoat⁽²⁾
- Exterior colors deleted:
 - Grabber Blue (CI)
 - White Platinum Metallic Tri-Coat (UG)
- Deleted Packages:
 - California Special
 - Interior & Wheel Package
- Deleted Feature:
 - 3.7L Ti-VCT V6
- (1) Metallic paint.
- (2) Extra-cost option.

NOTE: This section will help you identify the new features of 2018 Mustang.

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

Performance/Handling

2018 Mustang

Features

- The 2018 Mustang features even better performance over the 2017 Mustang
- Mustang features a powertrain lineup that offers two engine choices — each paired with a standard 6 speed manual transmission or an available all-new 10-speed SelectShift automatic transmission. Both are designed to meet customer wants and needs for power and efficiency
- 2.3L EcoBoost engine and 5.0L Ti-VCT V8 have been upgraded to provide the performance demands of Mustang
- New available Active Valve Performance Exhaust provides enhanced airflow and tuning for performance when the valves are open or tuning for comfort when the valves are closed
- New available MagneRide Damping System is designed for ideal vehicle handling and driver confidence without sacrificing ride comfort



Features > Performance/Handling

Engine	2.3L EcoBoost	5.0L V8		
Horsepower (@ rpm)	310 @ 5500 ⁽¹⁾	460 @ 7000 ⁽¹⁾		
Torque (lbft.@ rpm)	350 @ 3000 ⁽¹⁾	420 @ 4600 ⁽¹⁾		
Technology Direct-injection Twin-scroll Turbo		Dual-direct port fuel injection Ti-VCT		
	Ti-VCT			
Transmission 6-speed manual (standard) 10-speed SelectShift automatic (optional)		6-speed manual (standard) 10-speed SelectShift automatic (optional)		
Drivetrain	RWD	RWD		
Max. Trailer Towing (lbs.)	1000	1000		
Model				
coBoost S		_		
EcoBoost Premium	nium S —			
GT	_ s			
GT Premium	-	S		

⁽¹⁾ Horsepower and torque ratings achieved with 93-octane fuel.

 $\textbf{NOTE:} \ For \ product \ features, please see \ Models \ \& \ Packages \ and/or \ the \ Dealer \ Ordering \ Guide \ for \ availability.$

2.3L EcoBoost 2018 Mustang

Features > Performance/Handling > Engines

- 310 horsepower @ 5500 rpm⁽¹⁾
- 350 lb.-ft. of torque @ 3000 rpm⁽¹⁾
- Overboost feature added to increase torque output
- Delivers a broad, flat torque curve with maximum torque through the powerband for sustained acceleration
- Aluminum engine block and cylinder head help reduce weight to aid operating efficiency
- High-pressure die-cast aluminum block with ladder-frame bearing caps is strong, yet lightweight
- Dual overhead camshaft (DOHC), lightweight aluminum cylinder head with 4 valves per cylinder
- New electronic throttle body
- Compression ratio of 9.5:1
- Over 20 psi of boost available
- Switchable engine mounts that provide 2 modes of operation driving mode and idle mode — controlled by the engine control module (ECM) through a vacuum switch
 - In driving mode, the mounts deliver high damping and high dynamic rates required for secondary ride/shake
 - In idle mode, the mounts deliver the softer dynamic rates required for vibration isolation
- Intercooler reduces incoming air temperature
- Integrated exhaust manifold places the turbocharger closer to the exhaust ports for enhanced responsiveness
- Balance shaft provides smooth operation at all speeds
- Split cooling system with 2 thermostats manages coolant flow during cold start, only allowing flow through the hot side of the cylinder head and integrated manifold until the coolant has reached 72 degrees F
- Die-cast aluminum deep-sump oil pan
 - Internal baffle system helps maintain oil delivery during spirited driving
- Optimized oil pan capacity to provide up to 1-year/10,000-mile oil change intervals
- Intelligent Oil-Life Monitor
- Gasoline direct-injection
- Aggressive deceleration fuel shutoff (ADFSO)
- Smart charging alternator
- Uses a timing chain
- Organic Acid Technology (OAT) engine coolant
- Paired with either a 6-speed manual transmission or a 10-speed automatic transmission with SelectShift capability and paddle shifter activation



What It Is

- Unique air box induction system is standard on all Mustang engines
- The air filter is isolated from the engine compartment and allows the intake to "breathe in" cooler air from outside

How It Works

By taking in cooler air, the intake charge can be combined with more fuel than it can with warmer air







- More fuel in the intake charge helps the combustion cycle produce more power and Mustang customers always appreciate more
 power
- GT models feature an induction sound tube centrally located behind the instrument panel that allows the natural sound from under the hood to be heard inside the cockpit

Key Benefit

- A more balanced sound
- (1) Horsepower and torque ratings achieved with 93-octane fuel.

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5.0L Ti-VCT V8

Features > Performance/Handling > Engines

- 460 horsepower @ 7000 rpm⁽¹⁾
- 420 lb.-ft. of torque @ 4600 rpm⁽¹⁾
- Combination of features and technologies helps provide outstanding performance
- First application in Mustang of new dual-fuel, high-pressure direct-injection and low-pressure port fuel injection on a V8 engine, delivering increased low-end torque and high-rpm power
 - Port injection for high engine speed, direct-injection for lowrpm operation, with some blending
- Die-cast aluminum engine block is strong, yet lightweight
- Aluminum engine block and cylinder heads help to reduce weight to aid operational efficiency
- Dual overhead camshaft (DOHC), lightweight aluminum cylinder heads with 4 valves per cylinder
- Revised cylinder heads for improved flow
- Cylinder head casting with high-flow ports provides a straight path to the valves for less-restrictive intake and exhaust flow
- Plasma Transferred Wire Arc (PTWA) cylinder liner technology
- Combustion chamber accommodates large valves
- Cold air induction system
- Compression ratio increased to 12.0:1
- Twin independent variable camshaft timing (Ti-VCT)
- Intake and exhaust camshafts with 13 mm of lift for both
- Large intake and exhaust valves
 - Intake valves are 37.7 mm in diameter
 - Exhaust valves are 32.0 mm in diameter
- Mid-lock phasers for variable intake camshaft timing allow for a greater range of travel, enabling increased control of airflow for enhanced operational efficiency and emissions
- Stiff valve springs ensure the valves close completely at high rpm
- Redline increased from 7000 rpm to 7500 rpm
- New upper intake manifold to accommodate port and direct-injection and higher redline
- Intake manifold with charge motion control valves (CMCV) enhances operational efficiency, idle stability and emissions
 - CMCV partially closes off port flow at lower engine speeds to increase air charge tumble and swirl for enhanced air-fuel mixing
- Forged-steel, fully counterweighted crankshaft for strength and durability, while aiding high-rpm operation
- Polymer-coated crankshaft main bearings help reduce friction
- Sinter-forged connecting rods are light and durable for high-rpm operation
- Piston tops feature deep cutouts to accommodate the large valves
- Standard oil cooler enables 155-mph top-speed capability
- Deep-sump oil pan with 8-quart capacity
- Optimized oil pan capacity to provide up to 1-year/10,000-mile oil change intervals
- Intelligent Oil-Life Monitor
- Aggressive deceleration fuel shutoff (ADFSO)
- Fail-Safe Engine Cooling system
- Organic Acid Technology (OAT) engine coolant
- Paired with a 6-speed manual transmission or a 10-speed automatic transmission with SelectShift capability and paddle shift activation







ENGINEERING INSIGHT: Air Induction System

What It Is

- Unique air box induction system is standard on all Mustang engines
- The air filter is isolated from the engine compartment and allows the intake to "breathe in" cooler air from outside

How It Works

- By taking in cooler air, the intake charge can be combined with more fuel than it can with warmer air
- More fuel in the intake charge helps the combustion cycle produce more power and Mustang customers always appreciate more
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Key Benefit

A more balanced sound

ENGINEERING INSIGHT: Plasma Transfer Wire Arc (PTWA) Cylinder Liner Technology

What It 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

(1) Horsepower and torque ratings achieved with 93-octane fuel.

2018 Mustang

Features > Performance/Handling > Engine Technologies

Aggressive deceleration fuel shutoff (ADFSO) deactivates the fuel injectors when the vehicle is decelerating or coasting while normal engine operation is maintained, which helps promote performance.

- Is automatic and requires no interaction from the driver
- Uses the transmission to keep the engine running at low, fuelefficient operating levels whenever possible
- Normal fuel delivery resumes when the vehicle reaches a low speed or when the driver accelerates
- Excellent driveability is maintained by software that integrates this technology with powertrain operation

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.



EcoBoost Turbocharger

2018 Mustang

Features > Performance/Handling > Engine Technologies

A turbocharger consists of an exhaust-gas-driven turbine and an air compressor. The turbine supplies the drive energy for the compressor while the compressor pressurizes air going into an engine. The pressurized air creates "boost" which allows a smaller engine to breathe in air as if it were a larger engine, since more air is "forced" into the intake. The more air an engine breathes, the more power it generates. The result is quick torque delivery when the driver needs it for passing or merging.

- A turbocharger uses otherwise wasted energy from the engine's exhaust to rotate a turbine wheel
- Key benefits of a turbocharger:
 - Compact design and low NVH (noise, vibration and harshness) characteristics
 - Broad, flat torque curve
 - "Rightsized" for power and efficiency
 - Drivers will feel an immediate response when they step on the accelerator



Features > Performance/Handling > Engine Technologies

Direct-injection is a fuel-delivery technology used to precisely inject fuel directly into the combustion chamber of each cylinder, providing a balance of engine performance and efficiency.

- Fuel is injected directly into the combustion chamber of each cylinder by solenoid-controlled high-pressure injectors, compared to traditional fuel delivery where fuel is mixed with intake air prior to entering the chamber
 - Fuel is pumped from the tank to the engine compartment at a normal pressure of around 200 psi
 - A cam-driven high-pressure fuel pump increases fuel pressures of up to 2150 psi, depending on the demands of the engine
- Direct-injection fuel injectors are positioned inside the combustion chamber
- Each injector delivers a precise fuel spray into each cylinder, allowing a higher compression ratio to help improve engine performance and reduce fuel consumption



- An electronic control system varies the timing and intensity of the fuel delivery according to the engine's operating conditions
- Precise control of the fuel provides increased protection against engine knock/detonation to help allow for enhanced performance compared to traditional (port) fuel injection as well as excellent transient response

Features > Performance/Handling > Engine Technologies

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This design provides much smoother energy flow to the turbine



ENGINEERING INSIGHT: Twin-scroll Turbocharger

Unlike a traditional mono-scroll turbo, a twin-scroll turbo has two separate chambers in the turbo housing along with two separate exhaust runners that flow into the turbo, one runner for cylinders 1 and 4 and another runner for cylinders 2 and 3. Since the cylinders fire in sequence (not all at once), the exhaust exits the combustion chamber in irregular pulses. Conventional mono-scroll turbochargers route those irregular pulses of exhaust into the turbine with a single runner. Think of a 4-into-1 exhaust. This design causes the exhaust gases to collide and interfere with one another, reducing the strength of the flow. In contrast, a twin-scroll turbocharger gathers exhaust from pairs of cylinders in alternating sequence. This design maximizes pulse energy to the turbine wheel. The result is a quicker torque delivery (reduced lag) when the driver needs it for passing or merging onto a highway.

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

Overboost 2018 Mustang

Features > Performance/Handling > Engine Technologies

- When extra acceleration is needed, the turbocharger can automatically provide additional boost
- Extends peak torque through a higher rpm range for sustained torque output
- Operates for up to 15 seconds



Features > Performance/Handling > Engine Technologies

The Fail-Safe Engine Cooling System is designed to help protect the engine from potential damage due to loss of coolant, allowing the driver to travel a short distance to obtain service or reach a service facility.

- If the engine overheats, it will switch from normal all-cylinder operation to alternating-cylinder operation
 - The non-powered cylinders act as air pumps to help cool the powered cylinders
- The vehicle will continue to operate, but with limited engine power, and the air conditioning system will be disabled
- Driving distance is limited by a number of factors, including vehicle load, outside temperature and road conditions

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.



Smart Charging Alternator

2018 Mustang

Features > Performance/Handling > Engine Technologies

A smart charging alternator is a standard feature that controls charging system voltage during vehicle acceleration and deceleration, helping to enhance efficiency.

- An alternator provides charging (current) via a pulley and belt operated by the engine. To create current, a mechanical load is exerted onto the belt and felt by the engine. The more current there is, the more torque is applied
- Smart charging decreases alternator output during vehicle acceleration and increases output during vehicle braking or deceleration
 - Since there is no additional engine accessory belt load to energize the battery, less fuel is used by the engine
- By controlling voltage during acceleration and braking or deceleration, efficiency is increased
- Communicates with the ADFSO (aggressive deceleration fuel shutoff) system to ensure the battery is being adequately charged
- Helps the engine consume less fuel



Twin Independent Variable Camshaft Timing (Ti-VCT)

Features > Performance/Handling > Engine Technologies

Twin independent variable camshaft timing (Ti-VCT) allows the camshafts to operate both the intake and exhaust valves at different times in the combustion cycle, based on engine speed and load, for enhanced performance and efficiency.

- Variable control of intake valve closing provides improved power and torque
- Variable valve overlap provides an "internal exhaust gas recirculation (EGR)" to help reduce engine pumping work for enhanced fuel economy and idle quality
- Helps optimize engine cold start operation with fast catalyst light-off for reduced emissions
- Excellent efficiency under low load conditions such as idling or highway cruising
- Excellent power when accelerating



Features > Performance/Handling > Transmissions

- Upgraded for optimal torque capability
- Revised clutch on EcoBoost models to handle the increase in torque
- V8 manual transmission has undergone a total redesign for twin disc clutch and dual mass flywheel to increase torque capability and deliver more efficient clutch modulation, as well as larger and improved synchronizers to optimize shifts
- No-lift shift is available in all gears on all models
 - Maintains boost on EcoBoost models for faster acceleration
 - Driver can keep the accelerator floored while pushing in the clutch pedal and shifting gears
- Hill start assist enhances starts from a standstill, even when
 on an incline
- Aggressive (short) 1st-gear ratio delivers exhilarating launch feel
- Two overdrive gear ratios reduce engine rpm at highway speeds to help maximize fuel economy
- Shift linkage design for more precise and smoother shifting, positive internal shift stops and full gear synchronization provide confident and smooth overall shift feel
- Transmission oil cooler
- Hard-finished gears for reduced gear whine and durability
- Two-piece housing helps reduce overall driveline binding
- Manual shift collar helps protect the transmission from accidental engagement of Reverse
 - The gearshift lever can only be moved to Reverse by raising the collar below the gearshift knob before shifting to Reverse
 - Refer to the owner manual for more information
- Transmission is "filled for life" with synthetic fluid



10-speed Automatic Transmission with SelectShift Capability

Features > Performance/Handling > Transmissions

The 10-speed automatic transmission with SelectShift capability gives drivers a choice between fully automatic or clutchless driver-controlled shifting.

- Three overdrive gears and a wide 7.4:1 gear ratio span
- Integrated torque converter/turbine clutch helps reduce weight, while also reducing the packaging size of the transmission
- High-speed one-way clutch helps deliver smooth and responsive shifting
- Engine rpm matching on coast-down shifts provides a seamless transition to lower gears — effective when cornering
- Synchronizes clutches to help eliminate grinding
- Ultra-low viscosity transmission fluid and off-axis variabledisplacement pump maximize transmission performance
- Skip Shift feature utilizes real-time adaptive shift schedule algorithms which monitor more than a dozen powertrain- and driver-control signals to help ensure the transmission is in the right gear at the right time
- Sport mode
- Drag mode
 - Designed to produce maximum acceleration
 - Shifts closer to redline, removes inertia phase in shifting and increases clutch pressure for extra "push"
 - Not intended for cold, wet or slippery conditions; see owner's manual for more information
 - Track use only
- Includes Remote Start System on EcoBoost 101A and above

Sport Mode

- Allows the driver to manually upshift or downshift the transmission without using a clutch
- Engaged by moving the shifter to the Sport (S) position
- Gear selection is shown in the instrument cluster
- Engine-speed matching helps provide fast and smooth downshifts
- Includes Second-Gear Start mode
 - When engaged, the vehicle will start off from a stop in second gear instead of first
 - There is much less torque output starting out in second gear, helping provide enhanced traction while driving in slippery conditions
- Sport mode disables Overdrive Cancel and Grade Assist modes
- To prevent the engine from running at too low an rpm, the transmission may automatically make some downshifts
- Although downshifts may automatically take place, it will allow the driver to downshift at any time as long as the engine will not be damaged from over-revving
 - After the transmission is placed in Sport mode with SelectShift, the vehicle will remain in this mode until the gearshift lever is moved from Sport (S) back to Drive (D)
 - Engine damage may occur if excessive engine revving is held without shifting
- Offers an aggressive shift pattern, allowing the engine to rev higher during acceleration and holding lower gears longer to support spirited driving

Paddle Shifter Activation

- Allows the driver to shift gears quickly while keeping both hands on the steering wheel
- To manually upshift, pull the + paddle located on the right side of the steering wheel
- To manually downshift, pull the paddle located on the left side of the steering wheel
- The SelectShift feature is always "live in drive," meaning the driver is not required to engage Sport mode by moving the shifter to the Sport
 (S) position to operate the paddle shifters



MAKE THE POINT: Smarter Shift Logic

Customers may notice that the Mustang does not always shift sequentially. For example, the indicator gauge may change from displaying 1st to displaying 3rd. This is because of the Skip Shift logic with real-time-adaptive shift-scheduling algorithms which monitor more than a dozen powertrain- and driver-control signals to ensure the right gear at the right time.

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

Active Grille Shutter System

2018 Mustang

Features > Performance/Handling > Fuel Economy

The Active Grille Shutters automatically open and close to help maximize aerodynamic efficiency of the grille opening and to help maintain ideal engine operating temperature.

- Located between the grille opening(s) and the engine radiator
- Electronically controlled by the engine control module (ECM)
- Shutters adjust to counter wind resistance and maximize the aerodynamic efficiency of the grille opening and engine cooling
 - When more engine cooling is required, the shutters open
 - When less engine cooling is required, the shutters close to help enhance aerodynamics and efficiency
- Standard on all models except when equipped with a Performance Package

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.



Aero Curtains 2018 Mustang

Features > Performance/Handling > Fuel Economy

- Rotating wheels are a major source of aerodynamic drag
- Vertical slots in the outer edge of the front fascia channel air from the front of the car to openings in the wheel wells
- Air is directed across the outer surface of the wheel and tire
- The wall of high-speed air works much like a skirt to reduce
- Allows Mustang to maintain beautiful and aggressive wheel designs



EPA-estimated Ratings⁽¹⁾

Features > Performance/Handling > Fuel Economy

Engine/Transmission	City/Hwy/Combined mpg
2.3L EcoBoost/6-speed manual (Fastback)	TBD
2.3L EcoBoost/6-speed manual (Convertible)	TBD
2.3L EcoBoost/6-speed manual (Performance Package)	TBD
2.3L EcoBoost/10-speed SelectShift automatic (Performance Package)	TBD
2.3L EcoBoost/10-speed SelectShift automatic (Fastback)	TBD
2.3L EcoBoost/10-speed SelectShift automatic (Convertible)	TBD
5.0L Ti-VCT V8/6-speed manual (Fastback)	TBD
5.0L Ti-VCT V8/6-speed manual (Convertible)	TBD
5.0L Ti-VCT V8/10-speed SelectShift automatic (Fastback)	TBD
5.0L Ti-VCT V8/10-speed SelectShift automatic (Convertible)	TBD
5.0L Ti-VCT V8/6-speed manual (Performance Package)	TBD

(1) Actual mileage will vary.

 $\textbf{NOTE:} \ For \ product \ features, please see \ Models \ \& \ Packages \ and/or \ the \ Dealer \ Ordering \ Guide \ for \ availability.$

- Optional on GT and GT Premium models
- More aggressive sound that resonates with a deep rumble
 - Enhances the driving experience while staying true to Mustang DNA
- A single inlet and 2 outlets provide enhanced airflow and tuning for performance when the valve is open or tuning for comfort when the valve is closed
 - Operation of the valves is speed/load dependent based on rpm and engine load settings
- Controlled via instrument cluster and toggle switches
- Modes include Normal, Sport and Track
 - Modes are tied to specific Selectable Drive Modes or can be overridden by the menu in the instrument cluster
 - Quiet Start can be set for specific times of the day
- Uses an electric valve and two-part assembly of valve and actuator motor
- Valves are active and constantly moving and will open and close based on throttle inputs
- "Quiet Start" setting lets drivers keep the signature Mustang rumble to a minimum during designated times
 - Allows the exhaust valves to be set to closed during a time window so Mustang doesn't wake the neighborhood
 - Duration can be set from 1 to 24 hours, an exclusive feature on the 12" digital LCD instrument cluster



- A high-performance suspension control system that responds in real time to road and driving conditions
- Designed for ideal vehicle handling and driver confidence without sacrificing ride comfort
- Integrated driver control software takes into account input from several sensors to provide a degree of suspension performance not seen previously in a production Mustang
- Sensors monitor body and wheel motion thousands of times per second to vary damper stiffness and provide ultra-quick responsiveness to changing road conditions
 - System uses input from wheel position, steering angle, pitch and yaw and ambient temperature
 - Information is fed into the system's computer to ensure optimum performance
 - Steering wheel signals monitor "transient roll control" to increase damping and reduce roll when applicable



- Dampers are filled with a hydraulic fluid and fine metallic particles. When an electric current is passed through the fluid, a near-instant
 adjustment of suspension performance can be made
- System can react quickly to instances where the vehicle may "bottom out" compared to conventional systems
 - For example: low-speed driving off a curb
 - If sensors detect a drop-off at the front of the vehicle, the system will adjust damping in the rear to avoid "bottoming out"
- Combined with other vehicle data, changes can be made to each corner independently every 7 milliseconds for enhanced handling performance

ENGINEERING INSIGHT: MagneRide Suspension Dampers

In each of the monotube dampers is a piston containing 2 electromagnetic coils and 2 small fluid passages through the piston. The electromagnets are able to create a variable magnetic field across the fluid passages. When the magnets are off, the fluid travels through the passages freely. When the magnets are turned on, the strength of the bonds between the magnetized iron particles has the same effect as changing the viscosity of a traditional fluid, resulting in a stiff suspension.

Altering the strength of the current results in an instantaneous change in force of the piston. If the sensors detect any body roll, they communicate the information to the electronic control unit (ECU). The ECU will then compensate for this by changing the strength of the current to the appropriate dampers.

- An electro-hydraulic feature that works with a vehicle's braking system by locking the front brakes without brake pedal input from the driver
- Allows the rear wheels to rotate through throttle apply while the front brakes are applied and limit vehicle movement
- 3 stages to using line-lock: Initiate, Engage and Off
 - Stage 1: Initiate verifies the vehicle is ready for line-lock function and ensures the driver intends to use the feature
 - Once initiated, line-lock is not active and the brakes function normally
 - Line-lock will remain initiated up to 25 mph. For speeds above 25 mph, the feature will be automatically cancelled
 - To proceed to Stage 2: Engage, the driver must follow a series of prompts



- Stage 2: Engage allows the driver to activate line-lock by firmly applying the brakes
 - o When the feature is engaged, a countdown timer will show the remaining time before line-lock is released automatically
 - If line-lock is engaged and the driver exceeds the time limit or a vehicle condition requires line-lock to release, an engine torque and brake system strategy is utilized to ensure vehicle stability and allow normal braking function
 - When line-lock is engaged, drivers can exit the feature using the OK button on the right control pad. Line-lock will release immediately and normal vehicle function is restored
- Stage 3: Off indicates line-lock is not initiated or engaged; normal vehicle braking resumes
- Line-lock is located in the Track Apps menu and accessed using the control buttons on the right side of the steering wheel

EPAS w/Driver-selectable Effort, Pull-drift Compensation and Active Nibble Control

2018 Mustang

Features > Performance/Handling > Chassis

Electric power-assisted steering (EPAS) is an electric speedsensitive steering-assist system that provides light, responsive steering when parking or less assist at higher speeds for more confident control.

- Contributes to fuel efficiency because the electric motor operates only when steering assistance is required, as opposed to the conventional hydraulic pump, which is continuously powered by the engine
- Eliminates noises common with hydraulic systems

Driver-selectable Effort

- Offers customer choice of 3 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 steering setting toggle switch

Pull-drift Compensation

- Uses EPAS to help continuously correct for road irregularities and improve overall steering feel
- Continuously "learns" and adapts to steering conditions and compensates for changes that can cause the vehicle to pull left or right
- Reduces steering effort required when driving on crowned roads or in heavy side winds

Active Nibble Control

- Uses EPAS system sensors to continuously monitor steering wheel inputs
- When sensors detect steering wheel rotational vibration or nibble EPAS counteracts the nibble and seamlessly cancels it out
- Helps reduce the number of minor steering corrections caused by the steering nibbles and helps provide a more comfortable driving experience



MyMode 2018 Mustang

Features > Performance/Handling > Chassis

- Allows driver to select and save certain TrackApps modes like exhaust mode, steering setting, launch control and selectable dampers
- Can be recalled by pushing the Pony icon on the steering wheel
- Acts like a quick action "shortcut" to recall preset TrackApps settings
- Drivers select the desired settings using the appropriate buttons and menus, then press and hold OK to save the settings
- MyMode is added to the drive mode list and can be selected the next time the vehicle is started, an exclusive feature on the new 12" LCD digital instrument cluster



NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

Four-wheel Disc Brakes

2018 Mustang

Features > Performance/Handling > Chassis

- EcoBoost and EcoBoost Premium feature dual-piston front and single-piston rear brake calipers
 - 12.6" diameter vented front discs
 - 12.6" diameter solid rear discs
- GT features 4-piston front and single-piston rear brake calipers
 - 13.9" diameter vented front discs
 - 13.0" diameter vented rear discs
- EcoBoost Performance Package features 4-piston front and single-piston rear brake calipers
 - 13.9" diameter vented front discs
 - 13.0" diameter vented rear discs
- GT Performance Package features Brembo™ 6-piston front and single-piston rear brake calipers
 - 15.0" diameter vented front discs
 - 13.0" diameter vented rear discs



- Perimeter subframe replaces several individual crossmembers to help stiffen the front structure while reducing mass, offering more predictable wheel control
- Provides an enhanced foundation for more predictable wheel control that benefits handling, steering and ride
- Low double ball-joint enables the use of large, powerful brakes without resorting to excessive wheel offsets that would impact steering feel
- Monotube shock absorbers on all EcoBoost and GT models for better control and road management
- Contributes to improved pitch stability with additional antidive in the geometry
- K-brace included on all Convertible models, EcoBoost and GT Performance Packages and any Mustang with 20" wheels provides additional chassis stiffness for improved handling
- Stabilizer bushings revised on base EcoBoost and GT models



ENGINEERING INSIGHT: Lateral Stiffness — K-Brace

A K-brace is mounted within the engine compartment and ties the front suspension together to help reinforce the front end. K-braces are designed to stabilize the front suspension during hard cornering, allowing for improved control and handling. These braces reinforce the crossmember, also known as the K-member due to its shape, and help to keep the lower control arms from distorting during extreme conditions.

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

Independent Integral-link Rear Suspension

2018 Mustang

Features > Performance/Handling > Chassis

Independent integral-link rear suspension is designed specifically to reduce rear-end squat and front-end lift to improve ride and handling and more effectively isolate road noise.

- Rear suspension based on a lower H-arm, vertical link, upper camber link and toe link
- Aluminum-alloy rear knuckles help reduce unsprung mass for enhanced ride and handling
- Enhanced anti-squat and anti-lift for improved pitch control during hard acceleration and braking
- Geometry, springs, dampers and bushings have been specifically modified and tuned for Mustang
- Cross-axis joint for lateral stiffness
- Toe link has been revised, and monotube shocks are used on the base EcoBoost and V8



Features > Performance/Handling > Chassis

	EcoBoost Front/Rear (mm)	GT Front/Rear (mm)
Fastback	32/20	32/21.7
Convertible	32/20	32/20
EcoBoost Performance Package	32/21.7	_
GT Performance Package	_	32/22.2

- Offer enhanced performance under a variety of driving conditions
- Available with Normal, Sport+, Track, Drag, and MyMode capability
 - Allows customer to set car to their individual preferences
- Controls the MagneRide dampers, Active Valve Performance Exhaust, steering feel, throttle response, electronic stability control and Antilock Braking System calibrations
- Controlled using toggle switches located on the center stack
- Includes additional mode (MyMode) on models with the 12-inch LCD Digital Instrument Cluster
- Launch control and electronic line-lock added to EcoBoost models (track use only)

Drive Mode	Driving Style	Features in Use	Benefit
Normal	Street All driving conditions	Default vehicle settings	 Delivers a balanced combination of comfortable, controlled ride and confident handling Provides an engaging drive experience and a direct connection to the road without sacrificing any of the composure demanded from the vehicle
Sport (auto trans. only)	• Expert	Launch control onTrackAppsLine-lock on	 Provides increased throttle response Does not change the stability system or the feel of the steering Ideal for use during more spirited driving
Sport+	• Expert	AdvanceTrac on — reduced interaction Launch control on TrackApps Line-lock on Steering effort	 Provides a sportier steering feel and throttle response Ideal for use during more spirited driving
Snow/Wet	 Snow and wet conditions 	 AdvanceTrac on — calibrated for snow/wet conditions Revised driver demand table Steering effort 	 Provides a confident handling driving experience during poor weather Provides a confident drive experience and a direct connection to the road without sacrificing any of the composure demanded from the vehicle
Track (track use only)	• Expert	AdvanceTrac on — calibrated for performance Revised driver demand table TrackApps Line-lock on Steering effort	 Provides a performance driving experience Engine responds directly to your inputs and takes on a more powerful tone For use when pure performance is desired A performance-oriented AdvanceTrac mode is automatically utilized when Track drive mode is selected AdvanceTrac intervention is reduced and tuned specifically for racetrack usage only and is not intended for public roads
Drag (track use only)	Expert	AdvanceTrac off Revised driver demand table TrackApps Line-lock on Steering effort	Allows for maximum acceleration and improved consistency More powerful tone with Active Valve Performance Exhaust

Drive Modes Explained

- Normal Best suited for everyday driving. If your vehicle is equipped with adaptive dampers, the suspension delivers a balanced
 combination of comfort and handling. Selectable steering defaults to Normal but can be changed using the steering button
- **Sport** Engages when you shift your automatic transmission into Sport (S). **Sport** mode increases throttle response and helps your vehicle accelerate faster, but does not change the vehicle dynamics or stability system
- **Sport** + Best suited for spirited driving. This mode increases throttle response, and if your vehicle is equipped with active valve performance exhaust, it takes on a more powerful tone. If your vehicle is equipped with adaptive dampers, the suspension becomes stiffer. This mode has less body motion and more precise steering. Selectable steering defaults to **Sport** but can be changed using the steering button
- Track Provides a performance driving experience. Throttle response increases, and if your vehicle is equipped with active valve performance exhaust, it takes on a more powerful tone. A performance-oriented traction control mode is automatically utilized. In this mode, traction control intervention is reduced and tuned specifically for track usage only. This mode is not intended for public roads. If your vehicle is equipped with adaptive dampers, the suspension is optimized for transient handling maneuvers. This mode offers maximum control and confidence in handling on road courses or auto-cross style events. Selectable steering defaults to **Sport** but can be changed using the steering button
- Drag Provides a performance driving experience tailored to driving on a drag strip. The engine responds directly to your inputs, and if your vehicle is equipped with active valve performance exhaust, it takes on a more powerful tone. This mode is not intended for public roads. If your vehicle is equipped with adaptive dampers, the setting is optimized for straight line maximum acceleration. Selectable steering defaults to Sport but can be changed using the steering button
- **Snow/Wet** Provides a confident handling driving experience during poor weather. If your vehicle is equipped with adaptive dampers, the suspension delivers a balanced combination of comfort and handling. Selectable steering defaults to **Normal** but can be changed using the steering button

Using MyMode (If Equipped)

You can use **MyMode** to create a unique Drive Mode. To create **MyMode**, press the Pony button on the steering wheel and access the menu. The available systems are displayed. Select your desired settings using the appropriate buttons and menus. Press and hold OK to save your settings. **MyMode** is added to the Drive Mode list and can be selected the next time you drive your vehicle.

MAKE THE POINT: Steering Effort

Steering effort is part of the Selectable Drive Modes. Depending on the Drive Mode selected, the steering effort will match that particular setting. For customers who would like a different steering setting than the predetermined setting, they can select any one of the four steering modes after the Drive Mode has been selected. For example, the Drive Mode can be set to **Sport+** and the steering mode can then be set to **Normal**.

NOTE: The system has diagnostic checks that continuously monitor the system to make sure it operates properly. If a mode is unavailable due to a system fault or change in gear position, the selected mode defaults to *Normal*.

The tire inflator and sealant kit takes the place of a spare tire and jack to help reduce overall vehicle weight.

- Standard on all models
- Used to inflate and seal small, non-sidewall punctures due to road hazards
- Includes a portable compact air compressor and a can of tire sealant



MAKE THE POINT: Tire Inflator and Sealant Kit

Explain to your customers that the tire inflator and sealant kit takes the place of a traditional spare tire and jack, helping to eliminate the extra weight of the spare wheel and tire. Also, remind your customers that when using a tire repaired with the kit, they should not exceed 50 mph or drive farther than 120 miles, and should go to the nearest Ford authorized dealer to have the tire inspected and the kit replaced. See the vehicle owner manual for more information.

Related Content



VIDEO
Tire Mobility Kit

Launch Control 2018 Mustang

Features > Performance/Handling > Traction

- Lets drivers set and hold the desired launch rpm depending on tire temperature, surface conditions or weather
 - Not intended for cold, wet or slippery conditions
 - Intended for use only where consistent acceleration is desired
- Integrated with AdvanceTrac and the engine control system to minimize wheelslip during a standing start
- Provides a unique "drag start" traction calibration specifically designed for high-grip surfaces
- Can be turned on and off via the LCD instrument cluster screen using the control pad on the right side of the steering wheel
 - The setpoint for rpm can only be changed in the TrackApps menu using the control pad
 - Launch control setting does not turn on/off with key cycle
 - Launch control engine rpm setpoint range is available in 100 rpm increments



NOTE: Launch control is engineered to be used with the original equipment provided on Mustang. Any modifications to the vehicle may affect feature function or performance.

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

Rear-wheel-drive Advantages

2018 Mustang

Features > Performance/Handling > Traction

- Provides excellent handling and balanced performance, especially through turns, thanks to a more even front-to-rear weight distribution compared to front-wheel-drive systems
- Provides better steering and handling by spreading tire loads to all four tires, compared to a front-wheel-drive system where the front tires are required to manage both steering and acceleration loads
- Eliminates torque steer, the annoying pulling to the left or right during hard acceleration in a front-wheel-drive vehicle, caused by the imbalance of driving force between the front wheels



ENGINEERING INSIGHT: Limited-slip Rear Differential

A limited-slip rear differential is designed to transfer engine power to the rear wheel with the most grip. This greatly improves traction on slippery or uneven surfaces — translating to excellent acceleration and performance.

Features > Performance/Handling > Traction

Rear Axle Ratio	EcoBoost	EcoBoost Premium	GT	GT Premium
3.15:1	S (auto.)	_	S (auto.)	S (auto.)
3.31:1	S (manual)	S	S (manual)	S (manual)
3.55:1	Incl. in EcoBoost Performance Package	Incl. in EcoBoost Performance Package	Incl. in Performance Package (auto.)	Incl. in Performance Package (auto.)
3.73:1	-	_	Incl. in Performance Package (manual)	Incl. in Performance Package (manual)

- = Not available
- S = Standard
- O = Optional

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

Key Features 2018 Mustang

Features > Performance/Handling > TrackApps

- 4.2" LCD message center or the 12" LCD digital instrument cluster allows the driver to select various performance options
- TrackApps options may include:
 - Accelerometer
 - Acceleration Timer
 - Brake Performance
 - Lap Timer
 - Launch control (manual trans. only)
 - Line Lock (manual trans. only)
 - View/Clear Results
- Options vary by vehicle



Accelerometer 2018 Mustang

Features > Performance/Handling > TrackApps

 The dot in the center of the gauge is a real-time indication of the vehicle's longitudinal and latitudinal acceleration and updates continuously

- The numbers on the outside of the ring represent the maximum accelerations since the customer last reset the values
- The gauge updates only when it's being displayed

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.



Acceleration Timer

2018 Mustang

Features > Performance/Handling > TrackApps

- Brings up a selection of tests that the driver can run
- Once the test has been selected, the driver can select from two different starting methods:

- Countdown Start

- Provides a racing "Pro Tree" (the red, yellow and green staging lights found at drag strips) style of starting
- Driver will be prompted to pull up to the starting line and then be prompted to start the countdown
- Colors will flash a half-second apart, and if the start is successful, it will end in green
- If the driver accelerated early, the color will be red and no data will be recorded

- Automatic Start

- o Useful if there is an external starting mechanism
- Once the driver presses "OK," the timer will wait until the vehicle starts moving and then the time will begin
- Once the timer start is successful, the screen will change to show an elapsed time and a progress bar to show how close the driver is to the end of the test
- When the data collection finishes, the screen will display the results
- Timer will attempt to fill in as many of the times and speeds as it can. For example, if the customer picks a 1/4-mile test, all the results should be filled in provided the vehicle exceeded 100 mph
- The recorded times and speeds are similar to the results that a drag strip would provide at the end of a run

Features > Performance/Handling > TrackApps

- Brings up a selection of tests that the driver can run
- Driver is instructed to accelerate above the speed requested in the previous screen
- Once the proper speed is attained, the driver is instructed to apply the brakes
- The screens will then change to the data acquisition screen
- Data acquisition screen shows the elapsed time and a progress bar showing how close the vehicle is to the end of the test
- When the data is acquired, the results will be displayed

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.



Lap Timer 2018 Mustang

Features > Performance/Handling > TrackApps

- Allows up to 3 different track lengths to be set and have lap times recorded for each
- Calculates average speed based on driver-entered track distance and driver-measured lap times
- Allows data to be saved for each track that has times recorded
- Saves All Time Best lap time and Average Speed for each track that has times recorded



Features > Performance/Handling > TrackApps

- Brings up a menu of data management actions the driver can take
- TrackApps will store three sets of data: Last Run, Saved and All-time Best
- Driver can clear All-time Best data separately from the Last Run and Saved data (only when vehicle is stopped)
- Selecting View Acceleration Timer will display the results from the last acceleration run and the saved data
- Driver can select any result and save it. Saving a result will overwrite the previously saved result
- Results with more than one data parameter can only save all the parameters together
 - Selecting View Brake Results will display the results from the last brake performance run and the saved data
 - Selecting View All-time Best will display the All-time Best results
 - o TrackApps automatically saves All-time Best data anytime it sees a result that is better than a stored result
 - All-time Best data is from the acceleration timers and the brake performance runs

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

Towing Capacities

2018 Mustang

Features > Performance/Handling > Towing

Engine	Configuration	Standard lbs.
2.3L EcoBoost	RWD	1000
5.0L Ti-VCT V8	RWD	1000



Features > Performance/Handling > Towing

- Four-wheel-down towing, also known as flat/neutral towing, refers to towing a vehicle with all four of its wheels on the ground — for example, when towing a vehicle behind an RV (recreational towing)
 - Mustang does not offer four-wheel-down capability
- Flatbed equipment must be used
- Refer to the RV & Trailer Towing Guide and the vehicle owner manual for complete details and restrictions



Engino	Four-wheel-down Capability		Dolly-tow Capability	Emergency Towing ⁽¹⁾ (Recommended)	
Engine -	Manual	Automatic	RWD	Emergency rowing. (Recommended)	
2.3 EcoBoost	No	No	No	Wheel lift or flatbed equipment	
5.0L Ti-VCT V8	No	No	No		

^{-- =} Not available

⁽¹⁾ In an emergency only, the vehicle 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.

Features > Performance/Handling > Packages

- TORSEN® 3.55:1 limited-slip rear axle
- 19" x 9" Low-Gloss Black-painted aluminum wheels
- 255/40R19 summer-only compound performance tires⁽¹⁾
- Black-painted strut tower brace
- Engine Spun aluminum instrument panel trim
- Gauge Pack (includes oil pressure and boost gauges)
- Heavy-duty front springs
- K-brace
- 4-piston front brake calipers with larger brake rotors
- Larger radiator
- Larger rear stabilizer bar
- Performance rear wing (Fastback)
- Spoiler delete (Convertible only)
- Unique AdvanceTrac and ABS calibration
- Unique chassis tuning
- Unique EPAS calibration



MAKE THE POINT: Summer-compound Tires

Point out to your customers that their vehicle may feature summer-compound tires. Explain that while these tires provide enhanced traction in dry and wet/warm weather conditions, they are not intended for temperatures below 45°F or in snow/ice conditions, as the vehicle may experience limited traction. This is because summer tires feature a soft compound that hardens when temperatures drop. If the vehicle must be driven in these conditions, recommend all four tires be replaced with all-season or snow tires and ensure the tires:

- Are tread pattern-matching all-season (light snow conditions), or
- Are dedicated winter snow tires (to increase the vehicle's wintertime capabilities), or
- Feature a Mud and Snow (M+S or M/S) tire traction rating

(1) Ford does not recommend using summer tires when temperatures drop to approximately 45°F or below (depending on tire wear and environmental conditions) or in snow/ice conditions. If the vehicle must be driven in these conditions, Ford recommends using all-season or snow tires.

Features > Performance/Handling > Packages

- 19" x 9" front and 19" x 9.5" rear Ebony Black-painted aluminum wheels
- 255/40R19 front and 275/40R19 rear summer-only compound performance tires⁽¹⁾
- Brembo™ 6-piston front brake calipers with larger rotors
- Brake cooling via under-car diverter
- Engine Spun aluminum instrument panel trim
- Gauge Pack (includes oil pressure and vacuum gauges)
- Heavy-duty front springs
- High-performance radiator
- K-brace
- Larger front and rear stabilizer bars
- Performance rear wing (Fastback)
- Spoiler delete (Convertible only)
- Silver-painted strut tower brace
- TORSEN® helical differential with 3.55:1 limited-slip rear axle (Automatic)
- TORSEN helical differential with 3.73:1 limited-slip rear axle (Manual)
- Unique AdvanceTrac and ABS calibration
- Unique chassis tuning
- Unique EPAS calibration





MAKE THE POINT: Summer-compound Tires

Point out to your customers that their vehicle may feature summer-compound tires. Explain that while these tires provide enhanced traction in dry and wet/warm weather conditions, they are not intended for temperatures below 45°F or in snow/ice conditions, as the vehicle may experience limited traction. This is because summer tires feature a soft compound that hardens when temperatures drop. If the vehicle must be driven in these conditions, recommend all four tires be replaced with all-season or snow tires and ensure the tires:

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(1) Ford does not recommend using summer tires when temperatures drop to approximately 45°F or below (depending on tire wear and environmental conditions) or in snow/ice conditions. If the vehicle must be driven in these conditions, Ford recommends using all-season or snow tires.

Features

- Mustang features a glove-box-door-integrated knee airbag that provides the front passenger with knee protection
- Individual Tire Pressure Monitoring System (TPMS) displays tire pressure for each wheel as well as indicates which tire may be underinflated
- AdvanceTrac electronic stability control is standard on all Mustang models
- New Ford Safe and Smart Package:
 - Adaptive cruise control
 - Automatic emergency braking
 - Automatic high-beam headlamps
 - BLIS (Blind Spot Information System) with Cross-Traffic Alert
 - Forward collision warning with brake support
 - Lane Keeping System
 - Memory driver seat (3 settings)
 - Pre-Collision Assist with Pedestrian Detection
 - Rain-sensing windshield wipers



2018 Mustang

 $\textbf{NOTE:} \ For \ product \ features, please see \ Models \ \& \ Packages \ and/or \ the \ Dealer \ Ordering \ Guide \ for \ availability.$

Features > Safety/Security > Accident Avoidance

AdvanceTrac electronic stability control monitors the motion of the vehicle and automatically makes braking and throttle adjustments when it senses wheelslip or the loss of traction to help keep the vehicle on its intended path for enhanced driver control.

- Helps improve the stability of the vehicle in extreme driving situations or in slippery conditions like ice, gravel or rain
- Activates whenever the vehicle is started, but may be turned off for certain situations such as when "rocking" a vehicle stuck in mud or snow
- Monitors vehicle cornering behavior with steering angle, lateral acceleration and yaw sensors to maximize traction and maneuverability using Anti-Lock Brake System (ABS) and traction control components
 - Automatically provides interactive yaw (a vehicle's rotation about its vertical axis) control
 - Automatically makes braking and throttle adjustments when there is a discrepancy between the driver's inputs and the vehicle's motion
 - Incorporates traction control to help the vehicle regain traction on loose or slippery surfaces
- Helps maintain control whenever it detects wheelslip, understeer or oversteer by managing the outputs of the following components:
 - Systems
 - o Anti-Lock Brake System (ABS)
 - o Traction control
 - Sensors
 - o Lateral accelerometer
 - o Steering angle sensor
 - Wheel speed sensors
 - o Master cylinder pressure sensor
- System can actually control individual wheels to counteract excessive yaw which can lead to abnormal vehicle rotation and, ultimately, may result in loss of vehicle control and spinout

Anti-Lock Brake System (ABS)

- Sensors monitor wheel rotation speeds, checking for the onset of wheel lockup
- If the onset of lockup is detected, the system automatically compensates for this condition and prevents wheel lockup by automatically
 "pumping" the brakes several times per second, even when the brakes are firmly applied
- Improves vehicle steering control in severe braking maneuvers, under a variety of weather conditions

Traction Control

- Helps provide controlled acceleration and traction at all vehicle speeds
- Electronically detects a difference in rotational speed between the front and rear wheels (wheelslip)
- ullet Below 35 mph, the actuator pulses the brake calipers to the drive wheels to reduce wheelslip
- By applying brake pressure and reducing engine torque to the drive wheels, traction is restored
- At speeds greater than 35 mph, brake activation is eliminated and only engine torque to the drive wheels is reduced until traction is restored

MAKE THE POINT: AdvanceTrac Operation

Explain to your customers that when AdvanceTrac is active, the following may be noticed:

- Rumble sound much like ABS or traction control
- Slight deceleration or a reduction in the acceleration of the vehicle
- AdvanceTrac indicator light will flash
- When the brakes are applied, the driver will feel a vibration in the pedal much like ABS. As with any vehicle equipped with ABS, the brakes should not be pumped, but should be applied with firm, steady braking pressure



Assure your customers that these are normal operational characteristics of AdvanceTrac.

NOTE: Remember that even advanced technology cannot overcome the laws of physics. It's always possible to lose control of a vehicle due to inappropriate driver input for the conditions.

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

Individual Tire Pressure Monitoring System (TPMS)

2018 Mustang

Rollin' in My 5.0

Tire Pressure (psi)

36

Features > Safety/Security > Accident Avoidance

The Individual Tire Pressure Monitoring System (TPMS) alerts the driver to significant underinflation of individual tires (excluding the spare) by illuminating a warning light in the vehicle's instrument cluster.

- Uses a tire pressure sensor mounted to each wheel that senses tire pressure — spare tire is not equipped with a sensor
- Sensors use radio frequency transmitters to send tire pressure information to the vehicle's onboard computer
- The computer alerts the driver to significant underinflation of individual tires, excluding the spare
 - Instrument cluster will display tire pressure for each wheel location, as well as which tire may be underinflated
 - A warning light will appear in the vehicle's instrument cluster when a tire is significantly underinflated
- Properly inflated tires can help improve fuel economy and add to a smooth ride
- Recommended tire pressure label is on the driver's door B-pillar area

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.





VIDEO
Tire Mobility Kit



VIDEO

Tire Pressure Monitoring System with Individual Tire Pressure Display

The Personal Safety System provides an overall level of frontal crash protection to front-seat occupants and is designed to help further reduce the risk of airbag-related injuries. The system is able to analyze different occupant conditions and crash severity before activating the appropriate safety devices, to help better protect a range of occupants in a variety of frontal crash situations.

- Adjusts the deployment of the airbags to help enhance protection for front occupants, depending on a number of factors which include:
 - How severe a crash is
 - Whether or not a passenger is in the front seat
 - If the driver and front passenger are buckled in
 - How far forward or back the driver seat is, and more
- The restraint control module (RCM) compiles this information and determines whether to activate front outboard safety belt pretensioners and deploy any or all of the airbags, depending on the severity of the crash



Restraint control module (RCM)

- A sophisticated computer located inside the vehicle
- The RCM receives signals from the front electronic satellite crash-severity sensor and judges how fast the vehicle is decelerating
- Processes signals from the other Personal Safety System sensors and determines how the dual-stage front airbags and safety belt
 pretensioners will deploy

Electronic front crash-severity sensor

- Located at the vehicle front and provides the RCM with an early indication of the severity of the impact
- Allows the RCM to quickly calculate crash severity to determine the level of airbag deployment, and whether to activate the safety belt pretensioners

Driver-seat position sensor

- Tells the RCM where the driver seat is in relation to the steering wheel
- Closeness of the seat to the steering wheel helps determine the level of airbag deployment
- If the sensor determines that the seat is close to the steering wheel, only the low output (Stage 1) will be activated

Front outboard safety belt usage sensors

Monitor whether the driver and front passenger are buckled up

Front outboard safety belt pretensioners

- Pretensioners attempt to reduce excess slack in the safety belt webbing against the occupants
- Once sensors determine a collision is taking place, the front safety belts are tightened (pretensioned)
- Belt slack is reduced prior to airbag inflation

Front outboard safety belt energy management retractors

• Designed to help reduce the force of the safety belts on the occupants' chests

Dual-stage driver and front-passenger airbags

- Provide the capability of deploying at high or low output
- A common misconception about dual-stage front airbags is that they inflate at different speeds. The difference in speed of deployment is almost imperceptible — it's only 2 to 3 milliseconds
- The main difference is in inflation pressure

- Uses the front-passenger seat weight sensor and safety belt tension sensor to detect the presence of a properly seated person and determine if the front-passenger frontal airbag should or should not be enabled
- Designed to recognize 3 conditions:
 - When the front seat is empty
 - When a small person is present
 - When an adult is seated in the front-passenger seat
- When the system senses that the front seat is empty, it disables the front-passenger airbag and seat-mounted side airbag. The system can also detect small/medium objects placed on the seat and, therefore, is designed to disable the passenger airbag when it detects an object such as a small purse or briefcase
- If a small adult or child is seated in the front-passenger seat, the system uses information from 2 sensors to determine if the passenger airbag should be disabled:
 - Seat weight sensor
 - Safety belt tension sensor
- The Front-Passenger Sensing System does not lessen the important safety requirement to keep children properly restrained in the
- Designed to recognize properly installed child restraint seats placed in the front-passenger seat
- The "passenger airbag off" lamp panel is illuminated when the airbag is disabled for a small adult or child, or properly installed rearward-facing child restraint
- 🍨 "Passenger airbag off" lamp will not illuminate when the system detects a properly seated adult and the front-passenger airbag is active
- To confirm the indicator light is functional, it will momentarily illuminate when the ignition is turned to the On position
- May detect small or medium objects placed on the seat cushion. For most objects that are in the front-passenger seat, the passenger airbag
 will be disabled. Even though the passenger airbag is disabled, the "passenger airbag off" lamp may or may not be illuminated
- For more details on the Front-Passenger Sensing System, refer to the owner's manual

Front-seat side airbags help protect the torso and pelvis of front-seat occupants in certain side collisions. The airbags are located in the outboard side of the front seat backs, so they are always in the correct deployment position, no matter where the seat is positioned

- Feature adaptive venting technology designed to divert a portion of the gas from the airbag inflators through vents outside of the airbags
- Designed to help enhance chest protection for front-seat occupants with shoulder vents that deliver varying levels of pressure based on the size of the occupant and the amount their shoulder blocks the vent



ENGINEERING INSIGHT: Front-seat Side Airbag Technology

Side airbags deploy lower in the pelvic area in addition to the chest, and incorporate venting technology. The adaptive vent in the side airbag takes into account the size of the occupant and varies the pressure so a smaller occupant gets a lower pressure.

The adaptive vent is lined up with the shoulder area of the occupant. For larger passengers, the shoulder engages the vent and keeps it from venting so the gas stays inside the airbag. For smaller passengers, the effect is just the opposite: Because the shoulder is below the vent, the gas vents out of the bag.

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

Glove-box-door-integrated Knee Airbag

2018 Mustang

Features > Safety/Security > Occupant Protection

- Utilizes an inflatable airbag restraint design that consists of a pliable, injection-molded plastic bladder integrated into the glove compartment door between the inner and outer glove box door panels
- When commanded to deploy, an inflator fills the bladder, extending the entire glove box outer door panel toward the front passenger's legs
- Once deployed, the glove box-integrated airbag extends straight out from the lower passenger side instrument panel, compared to a conventional knee airbag, which deploys toward the floor before curving upward
 - Since the glove box door distributes the impact load over a larger area compared to a traditional airbag, the new knee airbag is able to operate at a lower rate of inflation pressure
- Provides the front passenger with inflatable restraint protection in a smaller, lighter package



The driver knee airbag works with the dual-stage front airbags to help reduce injury to the legs in the event of a collision.

- When the driver front airbag deploys in a collision, the knee airbag may deploy from under the instrument panel
- As with front and side airbags, it is important to be properly seated and restrained to help reduce the risk of death or serious injury

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.



Side-curtain Airbags with Roll-fold Technology

2018 Mustang

Features > Safety/Security > Occupant Protection

Side-curtain airbags with roll-fold technology combine with the front-seat side airbags to help provide protection for both head and chest in certain side-impact collisions.

- Roll-fold technology helps the airbag slide between the glass and occupant as it inflates
- Designed not to interfere with properly installed child-safety seats or booster seats
- Located in the roof side rail behind the headliner and are triggered independently of the driver and front-passenger airbags
- Deploy downward and outward toward the side window
- Fastback models only



Properly installed and adjusted, head restraints help minimize the risk of neck injury in the event of a crash.

- Whenever possible, head restraint should be properly adjusted when the seat is occupied
- Do not adjust the head restraint when the vehicle is moving

Front 4-way Adjustable Head Restraints

- Can be adjusted up or down, forward and back
- To adjust the head restraint up and down:
 - Pull the head restraint up to raise it
 - Press and hold the button at base of head restraint and push the head restraint down to lower it
- To tilt the head restraint forward and reset it:
 - Adjust the seat back to an upright driving or riding position
 - Pivot the head restraint forward toward the occupant's head to the desired position
 - After the head restraint reaches the forward-most tilt position, pivot it forward again to release it back to the rearward, untilted position

NOTE: Refer to the vehicle owner manual for more information.

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

LATCH (Lower Anchors and Tether Anchors for Children) System

2018 Mustang

Features > Safety/Security > Child Safety

LATCH (Lower Anchors and Tether Anchors for Children) is a child-safety seat installation method designed to make proper installation of a child-safety seat easier. The feature can eliminate the need to use safety belts when installing a child-safety seat by providing a secure attachment to help reduce the likelihood of incorrect installation.

- LATCH-compatible child-safety seats attach to the lower anchor points by means of flexible tethers or rigid latch bars
- Uniform installation method helps eliminate the confusion associated with a variety of safety belt systems
- Consists of a top tether anchor point and two rigid bars located where the seat cushion meets the seat back
- Both rear seats offer LATCH provisions

NOTE: See the vehicle owner manual for more information.





Features > Safety/Security > Personal Safety/Security

- Engages when locking and arming the vehicle with the remote transmitter or power door lock switch with a door open
- When all doors are closed, the system monitors doors, hood, trunk, interior motion and vehicle inclination
- Inclination sensor helps prevent tow-away thefts
- Interior motion sensor helps prevent "smash-and-grab" breakins
- Locking the vehicle with the ignition key in the driver's door arms the doors, hood and trunk, but blocks the motion and inclination sensors; use this method if interior motion is expected during vehicle transport or when hoisting
- All windows must be closed for proper motion-sensing performance

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.



MyKey 2018 Mustang

Features > Safety/Security > Personal Safety/Security

MyKey allows vehicle owners to program keys with restricted driving modes to promote good driving habits.

- Particularly useful for parents and fleet owners
- Default restrictions include:
 - Persistent Belt-Minder alert that mutes audio system until front safety belt(s) is (are) fastened
 - Earlier Low Fuel Warning indicator
 - Restriction of disabling certain features, if equipped
- Programmable restrictions include:
 - Limited vehicle top speed
 - Configurable speed alert chime
 - Maximum audio system volume
 - Ability to block satellite radio channels carrying adult programming
 - Do Not Disturb function that blocks all incoming calls and stores incoming text messages for later retrieval
 - o Does not block hands-free outgoing calls in case of emergency
- One standard key is the Administrator Key, while the other operates as MyKey with the programmed restrictions
- Programming MyKey is done via the message center
- MyMode not available with MyKey

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

Related Content



VIDEO MyKey



Perimeter Alarm 2018 Mustang

Features > Safety/Security > Personal Safety/Security

The perimeter alarm provides security for the parked vehicle and its contents by monitoring unauthorized entry of the doors, hood or trunk/liftgate whenever the vehicle is locked. If unauthorized entry is detected, the system will sound the horn and flash the hazard lights.

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.



SecuriLock Passive Anti-Theft System

2018 Mustang

Features > Safety/Security > Personal Safety/Security

The SecuriLock Passive Anti-Theft System is designed to help prevent the engine from being started unless a coded key, programmed to the vehicle, is used.

- Helps protect against drive-away theft through an electronically coded ignition key
- Electronically coded ignition key features billions of possible codes to start the vehicle
- Not compatible with non-OEM aftermarket remote start systems
- Attaching large metallic objects, like a Mobil Speedpass[®], on the same key ring may cause starting problems



Features > Safety/Security > Personal Safety/Security

The SOS Post-Crash Alert System automatically flashes the hazard lights and intermittently sounds the horn after an accident where the airbag(s) deploy(s) or when a properly engaged safety belt pretensioner is activated. $^{(1)}$

- Automatically unlocks the doors, allowing rescue workers to open them from the outside
- System operates until deactivated or battery power is depleted
- Flashing the hazards and sounding the horn help make it easier to locate the vehicle if the accident happens off the roadway
- Owners can deactivate the system by pressing the Hazard Lights switch or the Panic or Unlock button on the remote key fob



(1) SOS hardware may become damaged or the battery may lose power in a crash, which could prevent operation. Not all crashes will activate an airbag or safety belt pretensioner.

Features > Safety/Security > Driver Assist

The rear view camera helps drivers maneuver their vehicle while in Reverse by displaying an image of the space directly behind the vehicle. The feature is especially useful when backing out of a parking space or parallel parking.

- An exterior camera located at the rear of the vehicle automatically engages when the vehicle is placed in Reverse
- Vehicle centerline, rear bumper orientation and guidelines are shown within the display, helping the driver relate an object's proximity to the rear of the vehicle

Guidelines

- Help drivers see what is behind their vehicle, particularly when backing into a parking space or aligning with another object behind the vehicle
- Active guidelines
 - Show the intended path of the vehicle when reversing
- Fixed guidelines
 - Show the actual path the vehicle is moving using green, yellow and red trajectory lines to help the driver relate an object's proximity to the rear of the vehicle while reversing
 - o Objects in the red zone are closest to the vehicle
 - o Objects in the green zone are farther away
 - o Objects are getting closer to the vehicle as they move from the green zone to the yellow or red zones
- Vehicle centerline
 - Helps align the center of the vehicle with an object (for example, a trailer)

Automatic and Manual Zoom

- Pressing the "+" or "-" provides access to 3 different levels of zoom
- Image can be zoomed in on an object while keeping the rear bumper in the frame of reference
- Automatic zoom can also be selected with the "+" or "-" icon
- Zoom feature must be re-enabled each time vehicle is placed in Reverse

Camera Delay

- When activated, an image of the space directly behind the vehicle is displayed until the vehicle is shifted into Park or vehicle speed sufficiently increases
- Can be turned On or Off; default setting is Off

NOTE: Driver-assist features are supplemental and do not replace the driver's attention, judgment and need to control the vehicle.

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

Related Content



VIDEO
Rear View Camera



National Highway Traffic Safety Administration (NHTSA) Crash Tests, Ratings and Results

2018 Mustang

Features > Safety/Security

The National Highway Traffic Safety Administration's New Car Assessment Program (NCAP) created the 5-Star Safety Ratings Program to provide consumers with information about the crash protection and rollover safety of new vehicles beyond what is required by Federal law⁽¹⁾. The ratings, ranging from 1 star (the lowest rating) to 5 stars (the highest rating), help consumers make a more educated decision on new vehicle purchases.

Frontal and side crash test ratings are located in the Government Safety Ratings portion of the vehicle window sticker.

Overall Vehicle Score

- As NHTSA tests new vehicles, star ratings from their 3 tests will be combined into a single Overall Vehicle Score of 1 to 5 stars
- This rating is available online at www.safercar.gov and on the vehicle window sticker
- This single-star rating is made up of weighted portions of the NCAP front crash score (42%), side crash score (33%) and rollover rating (25%)

What Do the New Star Ratings Mean?

- $\star\star\star\star\star$ 5 stars = Injury risk for the vehicle is much less than average
- $\star\star\star\star$ 4 stars = Injury risk for the vehicle is less than average to average
- $\star\star\star$ 3 stars = Injury risk for the vehicle is average to greater than average
- $\star\star$ 2 stars = Injury risk for the vehicle is greater than average
- ★ 1 star = Injury risk for the vehicle is much greater than average
- (1) Government 5-Star Safety Ratings are part of the U.S. Department of Transportation's New Car Assessment Program (www.safercar.gov).

NOTE: Visit www.safercar.gov for more information on the NCAP star ratings and crash testing.

Frontal Crash Testing

2018 Mustang

Features > Safety/Security > NHTSA Crash Tests, Ratings and Results

Frontal Crash Scenario:

You are heading south on a two-lane road, while another vehicle is driving north on that same street. The driver in the other vehicle starts to fall asleep at the wheel and veers into your lane. Suddenly, you collide head-on with the northbound vehicle.

Test details

- An average-size adult male in driver seat
- A small-size adult female in front-passenger seat
- All dummies are secured with safety belts
- Represents a crash between two similar vehicles with same weight
- A vehicle crashes into a fixed barrier at 35 mph
- Evaluation of injury to the head, neck, chest and femur (legs)
- Frontal crash ratings must only be compared between vehicles from the same weight class (+/- 250 lbs.)

NOTE: Visit www.safercar.gov for more information on the NCAP star ratings and crash testing.

Features > Safety/Security > NHTSA Crash Tests, Ratings and Results

Side Barrier Crash Test Scenario:

You pull up to a four-way intersection and make a complete stop, look to your left and right and begin to accelerate into the intersection. Another vehicle approaches the same intersection, but does not yield at the stop sign and hits your vehicle on the driver's side.

Test details

- An average-size adult male in driver seat
- A small-size adult female in rear-passenger seat (driver's side)
- All dummies are secured with safety belts
- Represents an intersection-type collision
- A 3015-lb. moving barrier crashes at 38.5 mph into a standing vehicle
- Evaluation of injury to the head, chest, abdomen and pelvis
- For side barrier ratings, it's possible to compare all vehicles with each other

Side Pole Crash Test Scenario:

On a rainy afternoon, you're driving down a curved street in your neighborhood. All of a sudden, you lose control of your vehicle. You start sliding on the road sideways and crash into a telephone pole on the driver's side.

Test details

- A small-size adult female in the driver seat
- The dummy is secured with safety belt
- Vehicle, angled at 75 degrees, is pulled sideways at 20 mph into a 25 cm diameter pole at the driver's seat location
- Evaluation of injury to the head, chest, lower spine, abdomen and pelvis
- For side pole ratings, it is possible to compare all vehicles with each other

NOTE: Visit www.safercar.gov for more information on the NCAP star ratings and crash testing.

Rollover Resistance Ratings

2018 Mustang

Features > Safety/Security > NHTSA Crash Tests, Ratings and Results

Rollover Resistance Test Scenario:

You're driving your SUV on a 55-mph highway and suddenly you come upon a sharp curve. You try to navigate the curve, but you're traveling too fast and losing control of your vehicle, and your vehicle departs the road and rolls over.

Static Stability Factor

The rollover resistance rating is based on an at-rest laboratory measurement known as the static stability factor (SSF), which determines how "top-heavy" a vehicle is, and the results of a driving maneuver that tests whether a vehicle is vulnerable to tipping up on the road in a severe maneuver.

NOTE: Visit www.safercar.gov for more information on the NCAP star ratings and crash testing.

NHTSA Results 2018 Mustang

Features > Safety/Security > NHTSA Crash Tests, Ratings and Results

What You Need to Know

• The National Highway Traffic Safety Administration (NHTSA) New Car Assessment Program (NCAP) provides consumers with crash test ratings⁽¹⁾ to help them make a more educated decision on new vehicle purchases

Frontal and side crash test ratings are located in the Government Safety Ratings portion of the 2018 vehicle window sticker

2017 Mustang NHTSA Results	Coupe	Convertible	
Crash Test	Ratings		
Frontal Crash	次次次次	Not rated	
Side Crash	次次次次	Not rated	
Rollover	次次次次	改改改改改	
Overall Rating	次次次次	Not rated	

What Do the Stars Mean?

Frontal Crash and Side-impact Tests

**** 5 stars = Injury risk for the vehicle is much less than average
*** 4 stars = Injury risk for the vehicle is less than average to average

Rollover Test

**** 5 stars = Rollover risk for the vehicle is much less than average

Side Barrier

**** 5 stars = Injury risk for the vehicle is much less than average *** 4 stars = Injury risk for the vehicle is less than average to average

A CLOSER LOOK: How NHTSA Determines a Vehicle's Rating

In all scenarios, the tests are designed to reproduce the most common real-life accidents. Instruments measure the force of the impact and how it transfers to the vehicle's occupants, and then compares similar vehicles' test results.

Frontal Crash Test

The frontal crash test simulates a head-on collision between two similar vehicles, each moving at 35 mph. The test includes dummies to represent an average-size male in the driver's seat and a small female in the front-passenger seat.

Side-impact Tests

The side crash test rating represents an intersection-type collision by having a 3,015-lb. barrier that replicates the characteristics of the front end of a vehicle, moving at 38.5 mph into a standing vehicle. The test includes dummies to represent an average-size male in the driver's seat and a small female in the driver-side second-row or rear seat.

A pole test, designed to simulate the broadside impact of a vehicle into a tree or telephone pole at 20 mph, is also conducted. The test includes a dummy to represent a small female in the driver's seat.

Rollover Ratings

Mathematical formulas that consider the vehicle's geometric properties and the number of crash avoidance technologies are used to determine the likelihood of a rollover in certain conditions.

Crash Avoidance Technologies

When applicable these technologies are listed and the information is posted online at www.safercar.gov.

Overall Vehicle Score

Frontal crash, side-impact and rollover ratings are combined and summarized into a single Overall Vehicle Score of one to five stars. These ratings are available online at www.safercar.gov.

(1) Government's 5-Star Safety Ratings are part of the U.S. Department of Transportation's New Car Assessment Program (www.safercar.gov).

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

Insurance Institute for Highway Safety (IIHS) Crash Tests, Ratings and Results

2018 Mustang

Features > Safety/Security

The Insurance Institute for Highway Safety (IIHS) also tests the crashworthiness of vehicles based on performance in 5 tests: front moderate overlap, front small overlap, side impact, roof strength, and head restraints and seats. Each vehicle receives a rating of "Good," "Acceptable," "Marginal" or "Poor."

To earn "Top Safety Pick," vehicles must receive "Good" ratings in the front moderate overlap, side impact, roof strength, and head restraints and seats tests, as well as "Good" or "Acceptable" in the front small overlap test.

To earn "Top Safety Pick+," vehicles must meet the "Top Safety Pick" criteria, plus earn an "Advanced" or "Superior" rating for front crash prevention.

Front Crash, Side Impact and Roof Strength Tests

2018 Mustang

Features > Safety/Security > IIHS Crash Tests, Ratings and Results

Front Moderate Overlap Test

- Assesses occupant protection and vehicles' structural designs when part of the front crumple zone is engaged
- Vehicle impacts a fixed barrier at 40 mph. Only 40% of the vehicle's total width makes contact with the barrier on the driver side

Front Small Overlap Test

- Assesses occupant protection and vehicles' structural designs when most of the front crumple zone is bypassed
- Vehicle impacts a fixed barrier at 40 mph. Only 25% of the vehicle's total width makes contact with the rigid barrier on the driver side
 primarily affecting the vehicle's outer edge further away from crush-zone structures

Side Impact Test

- Assesses occupant protection and side structure when vehicles are struck in the side by a moving barrier that is higher and taller than typical passenger cars
- A 3300-lb. barrier moving at 31 mph strikes the side of a stationary vehicle on the driver side at a 90° angle

Roof Strength Test

- Assesses vehicle roof strength when a metal plate is pushed against the corner of the vehicle roof at constant speed
- The maximum resistance force achieved by the roof before 5" of crush is measured, and then compared to the vehicle weight to determine a strength-to-weight ratio

NOTE: Stay tuned to www.iihs.org for the latest model year ratings.

Features > Safety/Security > IIHS Crash Tests, Ratings and Results

Head Restraints and Seats Test

- Focuses on how well head restraints and seat combinations protect against whiplash injuries
- Takes into account the geometric rating and dynamic rating of head restraints and seats. The combination of these evaluations provides the
 overall head restraint and seat rating

- Geometric rating

- Evaluates the geometry of head restraints based on the height and backset (the distance behind the head) relative to an average-size male
- o A restraint should be at least as high as the head's center of gravity, or about 3.5" below the top of the head
- o The backset, or distance behind the head, should be as small as possible (less than 4")
- o The restraints are measured with the angle of the torso at about 25°, a typical seat back angle
- o IIHS classifies each restraint according to its height and backset into 1 of 4 geometric zones: good, acceptable, marginal or poor

- Dynamic rating

- o Seats and head restraints with geometry rated good or acceptable are tested in a simulated rear impact conducted on a sled
- o Assesses how well the seats support the torso, neck and head of a vehicle occupant
- Simulates a rear-end crash with a velocity change of 10 mph, approximately equivalent to a stationary vehicle being struck at 20 mph by a vehicle of the same weight
- A good head restraint and seat rating can only be earned with both a good geometric rating and a good dynamic rating
- Seats with only acceptable geometry earn an acceptable overall rating even if their ratings in the dynamic test are good
- Seats rated marginal or poor for geometry would not be tested dynamically and automatically would be assigned a rating of poor
- Since the 2011 model year, all seats have had good or acceptable geometry

NOTE: Stay tuned to www.iihs.org for the latest model year ratings.

Features > Safety/Security > IIHS Crash Tests, Ratings and Results

Front Crash Prevention

- A 3-tier rating program to help consumers sort through a maze of technologies and zero in on the most effective systems
- Ratings are determined by whether the vehicles have available autobrake, and, if so, how it performs in tests at 12 and 25 mph
 - Ratings are based on research indicating that forward collision warning and autobrake systems help drivers avoid front-to-rear crashes at both low speeds and moderate speeds
 - Availability of forward collision warning also is factored in
- Vehicles with optional or standard front crash prevention systems are rated as superior, advanced or basic
 - Superior vehicle must have an autobrake system that can avoid a crash or substantially reduce speeds in both tests
 - Advanced vehicle must have autobrake and avoid a crash or reduce speeds by at least 5 mph in 1 of the 2 tests
- Basic vehicle has a warning system; system must meet National Highway Traffic Safety Administration (NHTSA) performance criteria

Point System

- Vehicles can earn a maximum of 6 points for front crash prevention. Points are based on speed reduction (mph) using a 12 mph test, a 25 mph test and forward collision warning
- Models with 1 point earn a basic rating. A total of 2 to 4 points qualifies a vehicle for an advanced rating, and 5 to 6 points earns a superior rating
 - Some vehicles advertised as having autobrake along with forward collision warning earn only 1 point and a basic rating if the autobrake fails to slow the vehicle enough to earn points in IIHS tests
 - If the Institute hasn't tested a vehicle's autobrake system, but NHTSA recognizes its forward collision warning system, the vehicle receives
 a rating of "basic; autobrake not tested"
- Points are awarded as follows:

	12	mph te	st	25 mph test		Forward collision warning		
Speed reduction (mph)	Less than 5	5 to 9	10 or more	Less than 5	5 to 9	10 to 21	22 or more	N/A
Points	0	1	2	0	1	2	3	1

NOTE: Stay tuned to www.iihs.org for the latest model year ratings.

IIHS Results 2018 Mustang

Features > Safety/Security > IIHS Crash Tests, Ratings and Results

The 2017 Mustang received the following ratings in tests performed by the Insurance Institute for Highway Safety (IIHS).

For more information, visit www.iihs.org.

2017 IIHS Ratings		
IIHS Test	Test Evaluation Result	
Front Moderate Overlap	Good	
Front Small Overlap	Acceptable	
Side Impact — Coupe	Good	
Side Impact — Convertible	Good	
Roof Strength	Good	
Head Restraints and Seats	Good	
Stability Control	Standard	
Front Crash Prevention	Basic ⁽¹⁾	

(1) With optional equipment.

 $\textbf{NOTE:} \ For \ product \ features, please see \ Models \ \& \ Packages \ and/or \ the \ Dealer \ Ordering \ Guide \ for \ availability.$

Enhanced Security Package

2018 Mustang

Features > Safety/Security > Package

- Active Anti-Theft System
- Electronic-locking center console
- Electronic steering column lock
- Wheel locking kit



Features

- Mustang offers several driver assistance technologies, including BLIS (Blind Spot Information System) with crosstraffic alert as well as the Lane-Keeping System
- 12" LCD digital instrument cluster
- Available SYNC 3
- SYNC Connect powered by FordPass and Wi-Fi[®] hotspot
- Intelligent Access with push-button start provides convenient one-touch keyless starts



Features > Comfort/Convenience > Driver Assistance Technologies

Adaptive cruise control keeps a constant speed without having to work the brake or accelerator pedals — plus it automatically maintains a comfortable distance from vehicles ahead.

Forward collision warning with brake support alerts the driver if it senses a potential collision with the vehicle ahead. Warning lights flash on the windshield and an alert sounds inside the cabin. If the driver doesn't react, and a collision is imminent, the brakes will pre-charge to help the driver brake as quickly as possible.

This system includes both Pre-Collision Assist with Pedestrian Detection and Forward Collision Warning with Brake Support

Adaptive Cruise Control

Includes 4 Gap Distance Settings programmable with the gap button on the steering wheel

Graphic Display	Following Distance	Following Distance at 62 mph	Dynamic Behavior
1 bar	1 second	31 yards	Sporty
2 bars	1.4 seconds	43 yards	Normal
3 bars	1.8 seconds	55 yards	Normal
4 bars	2.2 seconds	67 yards	Comfort

- Uses advanced radar technology to monitor traffic ahead to scan for slower vehicles
 - System will slow the vehicle to adapt for the current traffic conditions and maintain the pre-set distance between vehicles
 - Once traffic clears, system will automatically return to the speed set with the cruise control system

Automatic Emergency Braking

- Designed to detect objects in front of the vehicle and constantly calculate the braking force required to avoid a collision
- If the estimated braking force exceeds a given level without the driver responding, the danger of a collision is considered imminent and the system automatically reduces throttle input and applies the vehicle brakes
- Designed for speeds up to 31 mph

Forward Collision Warning with Brake Support

- Warns the driver if there is a risk of a frontal collision with a red light-emitting diode (LED) "head-up" display (HUD) on the windshield and audible warning tone, which also mutes the audio system
- Includes Alert Sensitivity
 - There are 3 setting choices (High, Normal and Low), which are remembered between key cycles
 - The 3 settings make different assumptions about how quickly a driver would respond to a slower-moving vehicle AND how hard a driver would brake to avoid contacting a slower-moving vehicle
 - High sensitivity
 - o Intended for new or more cautious/conservative drivers
 - o Provides an earlier warning than the other settings and introduces additional warnings
 - o When the MyKey feature is enabled, the system will default to this setting
 - Normal sensitivity
 - o Intended to provide a balance between appropriate warnings and additional warnings for most drivers under most driving conditions
 - o A new vehicle is set to this setting
 - Low sensitivity
 - o Intended for more aggressive drivers or drivers who drive in more dense driving conditions (i.e., city driving), as this setting rarely introduces additional warnings
- Uses sensors in the front of the vehicle to help detect vehicles moving and traveling in the same direction
- Warning light flashes on the windshield and an alert sounds inside the cabin to alert the driver of a possible frontal collision
- If the driver doesn't react, and a collision is imminent, the brakes will pre-charge to provide full responsiveness when the driver brakes. This helps the driver achieve maximum braking as quickly as possible

NOTE: Driver-assist features are supplemental and do not replace the driver's attention, judgment and need to control the vehicle. Pre-Collision Assist with Pedestrian Detection can detect pedestrians, but not in all conditions and does not replace safe driving. See owner's manual for system limitations.

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

Related Content



VIDEO
Adaptive Cruise Control

BLIS (Blind Spot Information System) with Cross-traffic Alert

2018 Mustang

Features > Comfort/Convenience > Driver Assistance Technologies

BLIS with cross-traffic alert helps drivers change lanes or back out of a parking space with confidence.

- BLIS can alert the driver when a vehicle enters the blind spot zone
- Cross-traffic alert warns of traffic approaching from the sides when the vehicle is in Reverse, such as backing out of a parking space

BLIS

- Alerts the driver if another vehicle is detected in the blind spot zone by utilizing two radar sensors located behind each rear wheel
 - Sideview mirror indicator illuminates when a vehicle in an adjacent lane is detected in the blind spot zone from behind
- System is automatically engaged when the vehicle is placed in Drive
- System can be turned off through the message center but defaults to "on" when the vehicle is restarted
- Integrated blind spot mirrors are not included when vehicle is equipped with BLIS

Cross-traffic Alert

- Utilizes the same radar sensors as BLIS
- Warns the driver if approaching vehicles are detected when slowly backing out of a parking spot or reversing onto a road
 - Sideview mirror indicator illuminates and a series of tones sound if an oncoming vehicle is detected
 - Depending on the direction of the approaching vehicle, the message center will display:
 - VEHICLE COMING FROM LEFT
 - VEHICLE COMING FROM RIGHT
- Automatically engages when vehicle is placed in Reverse to detect moving motorized vehicles and bicycles approaching from either the left or right side of the vehicle

NOTE: Driver-assist features are supplemental and do not replace the driver's attention, judgment and need to control the vehicle.



Hill Start Assist 2018 Mustang

Features > Comfort/Convenience > Driver Assistance Technologies

Hill start assist automatically engages the brakes when the vehicle is started on an upward or downward slope to prevent it from rolling, whether in a forward gear or Reverse.

- Activating the system is simple:
 - Press the brake pedal to bring the vehicle to a complete standstill
 - Keep the brake pedal pressed
 - If the sensors detect that the vehicle is on a slope, hill start assist is automatically activated
- System utilizes an accelerometer to measure the slope and longitudinal incline and automatically operates when a slope of 5 degrees or more is calculated
- When hill start assist is activated, the brake pressure is held in the braking system and the vehicle remains stationary on the slope for 2 to 3 seconds after the driver releases the brake pedal
- The brakes are automatically released once the engine has developed sufficient power to prevent the vehicle from rolling down the slope
- Hill start assist will not operate when the parking brake is engaged





Pre-Collision Assist with Pedestrian Detection

Features > Comfort/Convenience > Driver Assistance Technologies

Pre-Collision Assist with Pedestrian Detection uses radar and camera technology to scan the roadway ahead and sounds a warning if a collision with a vehicle or pedestrian is detected.

- Uses information collected from a windshield-mounted camera and radar located near the front bumper
 - If a collision risk with a vehicle or pedestrian is detected, the system provides a warning to the driver
 - If the driver does not respond in time, the system can automatically apply up to full braking force to help reduce the severity or possibly prevent some frontal collisions
- Included with adaptive cruise control



- May help drivers avoid rear-end collisions with other vehicles at all speeds
- System can warn the driver if it detects the possibility of a collision



- Vehicle will drop 30 mph below the current speed
 - For example, if the vehicle is traveling 35 mph, the vehicle will slow to 5 mph
- Uses distance indication, distance alert and active braking
 - Distance indication continuously displays the distance to the vehicle in front and illuminates a traffic light system of colored icons depending on driver-selected proximity settings
 - Distance alert alerts the driver with a red warning symbol if the vehicle being driven is too close to the vehicle in front
 - Automatic Emergency Braking is engaged when traveling at speeds of over 30 mph

Pedestrian Detection

- Can help the driver avoid pedestrians at lower speeds
- Designed to work in daylight and at night, the feature can detect people in or near the road ahead or pedestrians crossing the vehicle path
- The system can then check information against a database of pedestrian shapes to help distinguish people from common roadside scenery and objects
- If a pedestrian is detected in front of the vehicle and a collision is imminent, the driver first receives an audible and visual warning
- If the driver does not respond, the system can improve braking responsiveness by reducing the gap between the brake pads and discs
- If there is still no response from the driver, the brakes can be applied automatically and vehicle speed is reduced

NOTE: Driver-assist features are supplemental and do not replace the driver's attention, judgment and the need to control the vehicle. Pre-Collision Assist with Pedestrian Detection can detect pedestrians, but not in all conditions and does not replace safe driving. See owner's manual for system limitations.



Features > Comfort/Convenience > Driver Assistance Technologies

Rain-sensing windshield wipers detect moisture on the windshield and activate the wipers to help increase driver visibility. Once the system is turned on, there is no need for the driver to activate, deactivate or adjust wiper speed under normal driving conditions.

- When sensors mounted behind the rearview mirror detect moisture on the windshield, the windshield wipers are automatically activated at the appropriate speed to keep the windshield clear
- Using the wiper stalk, the driver can rotate out of rain-sensing mode to standard, low- and high-speed settings or to the Off position
- System must be turned off before entering an automatic car wash



MAKE THE POINT: Rain-sensing Windshield Wipers

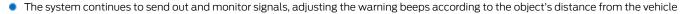
Be sure to understand and explain the driver-selectable sensitivity settings on the windshield wiper stalk. Mist the windshield by using a spray bottle or hose, and cycle through the sensitivity settings so the customer can experience the difference and visually experience how the system functions. Be sure to also show the customer how the system is disabled via the stalk-mounted controls. This is important since **the system must be disabled before entering an automatic car wash**.

NOTE: Driver-assist features are supplemental and do not replace the driver's attention, judgment and need to control the vehicle.

Features > Comfort/Convenience > Driver Assistance Technologies

The Reverse Sensing System can audibly alert the driver to certain objects close to the rear of the vehicle when the driver is slowly backing up.

- Automatically activates when the vehicle is placed into Reverse
- Detects what the driver may not see, such as other vehicles, fences, walls, concrete posts, plant containers, fire hydrants, etc.
- Enables drivers to use better judgment in tight parking situations and provides information to drivers to help reduce damage from hitting objects at low speeds
- Sensors in the vehicle's rear bumper transmit signals
- When the signals contact an object, they bounce back to these sensors on the vehicle
- Within milliseconds, the system calculates the distance to the object based on the time it took the signal to travel from the object back to the sensor
- If the distance is within approximately 6 feet, an audible warning tone (beeps) is sounded



 The beeps increase in frequency as the vehicle gets closer to the object until they become a continuous tone at less than approximately 10 inches from the object

NOTE: Driver-assist features are supplemental and do not replace the driver's attention, judgment and need to control the vehicle.

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

Wiper-activated Headlamps

2018 Mustang

Features > Comfort/Convenience > Driver Assistance Technologies

Wiper-activated headlamps automatically turn on the headlamps and taillamps when the windshield wipers are being used — helping the driver see, and the vehicle to be seen, in inclement weather.

- Requires autolamp (automatic on/off headlamps)
- When the headlamp switch is in auto position and the windshield wipers are activated in any mode except mist or wash, the vehicle headlamps will automatically turn on within 3 seconds
- Once the front wipers are deactivated, the headlamps will automatically turn off within 30 seconds

NOTE: Driver-assist features are supplemental and do not replace the driver's attention, judgment and need to control the vehicle.





Features > Comfort/Convenience > Signature Technologies

SYNC is an in-car, fully integrated, voice-activated⁽¹⁾ communications, entertainment and information system that uses a properly paired mobile device and Bluetooth[®] wireless technology to allow drivers to stay connected while they're driving so they can keep their eyes on the road and hands on the wheel.

 Voice command microphone flush-mounted in headliner to help provide clear voice recognition of spoken commands

SYNC features include:

- Calling features such as caller ID, call waiting and conference calling
- Audible text messages
- Automatic phone book transfer
- Multilingual voice recognition (English, French, Spanish)
- Ringtone support
- Uninterrupted connection that allows going directly from mobile phone to the hands-free phone while getting into the vehicle during the call
- Voice-activated control of a variety of media players
- Voice-activated hands-free calling

911 Assist(2)(3)

- A no-charge, subscription-free feature that can assist occupants by placing a 911 emergency call in certain vehicle crashes by using a
 properly paired phone inside the vehicle
- 911 Assist enhancements are designed to help emergency responders prepare for what to expect on scene, as well as assist in determining how much emergency response is needed. Additional features include:
 - The ability to deliver information such as the maximum change in velocity during impact
 - Indication of crash type (front, side, rear or rollover)
 - Safety belt usage as detected by the vehicle
 - Awareness of whether multiple impacts occurred
 - Whether airbags were deployed

SYNC AppLink⁽⁴⁾ Compatibility

- Provides control of certain smartphone applications using SYNC voice commands
- Connects to apps like Pandora[®] internet radio and more with your iPhone[®] or AndroidTM mobile phones
- A list of available apps, as well as more detailed user instructions, application connectivity differences, applicable voice commands for each
 enabled app and FAQs, can be found by going to Owner.Ford.com
- 4.2" screen in the center stack for audio/entertainment/phone information/rear view camera
 - Provides display for the radio and other features/settings, including CD/SiriusXM[®]/Aux/Phone/Menu/Sound/Clock

5-way control pad on the steering wheel

- Left pad controls instrument cluster message center
- Right pad controls the audio system (volume, Media, etc ...)
- Control pads provide simple menu navigation and selection

Media hub that includes:

🏮 2 smart-charging USB ports (2.1 amps) designed to charge accessories, like tablets, closer to the charge time of a standard household outlet

MAKE THE POINT: Owner.Ford.com

Before your customer leaves the dealership, help them set up their owner account at Owner.Ford.com. This will help ensure their satisfaction with SYNC, their new vehicle, you and your dealership. Owner.Ford.com is the one-stop site for owner information and support, updates and customizations, compatibility information for mobile phones and media players, and easy-to-use videos to help your customer become familiar with all that SYNC can do.



- (1) Don't drive while distracted. Use voice-operated systems when possible; don't use handheld devices while driving. Some features may be locked out when the vehicle is in gear. Not all features are compatible with all phones.
- (2) The vehicle's electrical system (including the battery), the wireless service provider's signal and a connected mobile phone must all be available and operating for 911 Assist to function properly. These systems may become damaged in a crash. The paired mobile phone must be connected to SYNC, and the 911 Assist feature enabled, in order for 911 to be dialed. When the feature is on, 911 Assist uses your paired and connected mobile phone to assist occupants to contact emergency services by dialing 911 if your airbag deploys or, on certain vehicles, if the emergency fuel pump shutoff is activated.
- (3) Aftermarket on-board diagnostic devices may interfere with various vehicle systems, including Vehicle Health Report and 911 Assist. To avoid interference, remove the device or contact the device maker for more information on compatibility.
- (4) Commands may vary by phone and AppLink software.

NOTE: Not all SYNC features will be compatible with all mobile phones. Features like ringtone support and audible text messages may not work with certain mobile phones.

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

Related Content



JOB AIDS **SYNC Central** May 17, 2017

Features > Comfort/Convenience > Signature Technologies

SYNC 3 features our next generation of voice-activated⁽¹⁾ technology, with enhanced voice recognition, performance, interface and an easy-to-use design.

The SYNC 3 system includes:

- Voice-activated hands-free calling with dial commands that allow drivers to simply say "Dial 313-555-1212," versus "Dial" and then waiting for a prompt to continue
- Voice-activated audio/media source commands eliminate the need to say "artist," "song," "album," etc., before the desired selection
 - Drivers can access what they want to play in just a few words; for example, "Play Favorite Songs" or "Play [Artist]," "Play [Album]," "Play [Song]," "Play [Playlist]," or "Play [Genre]"
 - Audio/media source switching doesn't require extra commands
 - Drivers can simply say the media source they want, such as "AM," "FM," "USB," "Sirius" or "Bluetooth[®] Audio," and the audio will automatically play
 - o Drivers can also switch easily between sources with a simple command; for example, while listening to SiriusXM[®], say "Play 950 AM"

911 Assist⁽²⁾⁽³⁾

- A no-charge, subscription-free feature that can assist occupants by placing a 911 emergency call in certain vehicle crashes by using a properly paired phone inside the vehicle
- 911 Assist is designed to help emergency responders prepare for what to expect on scene, as well as assist in determining how much emergency response is needed
- Features include:
 - o The ability to deliver information such as the maximum change in velocity during impact
 - o Indication of crash type (front, side, rear or rollover)
 - o Safety belt usage as detected by the vehicle
 - o Awareness of whether multiple impacts occurred
 - o Whether airbags were deployed

SYNC AppLink⁽⁴⁾ Compatibility

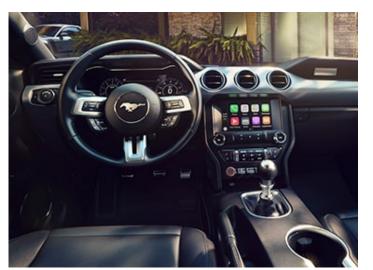
- Provides control of certain smartphone applications using SYNC voice commands
- Connects to apps like Pandora[®] internet radio, Glympse, Spotify, iHeartRadio and more with your iPhone[®] or AndroidTM mobile phones
- A list of available apps, as well as more detailed user instructions, application connectivity differences, applicable voice commands for each enabled app and FAQs, can be found by going to **Owner.Ford.com**
- Audible incoming text messages and the reply of 15 pre-defined responses (Message and data rates may apply; phone must support
 downloading of text messages via Bluetooth to receive incoming text messages)
 - To receive text messages, you need to have your phone paired and Notifications turned On

8" color LCD touchscreen in the center stack

- Allows for swipe capability similar to that of a smartphone
- Features unique daytime and nighttime views, as well as Auto view, which, when selected, automatically switches between daytime and nighttime views based on outside light levels
- Can be controlled through voice commands or large on-screen touch buttons

Siri[®] Seamless Integration

- Siri is Apple's[®] intelligent personal assistant that works as an application for Apple iOS using a natural language user interface to answer questions, make recommendations and perform actions
- Siri Seamless Integration enables drivers to interact with their iPhones using voice commands while they keep their eyes on the road and their hands on the wheel
 - o Customers with a compatible iPhone[®] running iOS 6 and higher can direct Siri to perform a number of tasks



- Siri will only respond with audio-based replies and will not display any visual results, like web pages or maps, on the SYNC touchscreen
- Simply initiate a long press on the steering wheel voice activation button to begin and end sessions with Siri Seamless Integration

Apple CarPlay™ Compatibility (5)

- Integrates compatible apps from a user's iPhone and displays them on the touchscreen for easy access
- Allows users to control the apps from their iPhone via the touchscreen and Siri
 - To initiate a voice session with Siri, initiate a short press on the voice activation button on the steering wheel
- When connected and active, CarPlay allows users to:
 - Make calls
 - Listen and reply to text messages
 - Play music and podcasts
 - Use Apple Maps, which provides turn-by-turn directions, traffic conditions and estimated travel time
- When connected and active, some SYNC 3 features may not be accessible
 - Available SYNC 3 features can be accessed by pressing the SYNC icon on the touchscreen this takes users to an integrated view that allows them to use certain SYNC 3 and CarPlay features
 - Many SYNC 3 features, such as the optional Navigation System and SYNC AppLink, will be unavailable
- Minimum requirements:
 - iPhone 5 or newer running iOS 7.1 or higher
 - USB connection via Apple-provided lightning connector
- Feature does not control any of the standard functions of the vehicle; for example, climate controls
 - For more information, visit Owner.Ford.com

Android Auto™ Compatibility (5)

- Integrates Google MapsTM, media and communication apps from a user's smartphone and displays them on the touchscreen for easy access
- Allows users to control the apps from their smartphone using the touchscreen or by talking to Google using the voice command button on the steering wheel
- When connected and active, Android Auto allows users to:
 - Make calls
 - Listen and reply to text messages
 - Play music and podcasts
 - Use Google Maps, which provides voice-guided navigation, live traffic information and estimated travel time
- When connected and active, some SYNC 3 features may not be accessible
 - Available SYNC 3 features can be accessed by pressing the tachometer icon at the bottom right corner of the touchscreen this takes users to an integrated view that allows them to use certain SYNC 3 and Android Auto features
 - Many SYNC 3 features, such as the optional Navigation System and SYNC AppLink, will be unavailable
- Minimum requirements:
 - Android 5.0 (Lollipop) or higher
 - Android Auto app downloaded
 - USB connection via manufacturer's cable
- Feature does not control any of the standard functions of the vehicle; for example, climate controls
 - For more information, visit Owner.Ford.com

System software updates that can be performed via Wi-Fi® or USB

- Drivers can use SYNC while installation takes place in the background
- Download can continue while the vehicle is Off
 - o If an update is available and the vehicle is connected to Wi-Fi, SYNC 3 will remain on, even if the vehicle is shut off, for up to 30 minutes up to 5 times per month
- If equipped with the Voice-Activated Touchscreen Navigation System, map updates are only available through USB, not Wi-Fi

Media hub that includes:

2 smart-charging USB ports in the hub

- (1) Don't drive while distracted. Use voice-operated systems when possible; don't use handheld devices while driving. Some features may be locked out when the vehicle is in gear. Not all features are compatible with all phones.
- (2) The vehicle's electrical system (including the battery), the wireless service provider's signal and a connected mobile phone must all be available and operating for 911 Assist to function properly. These systems may become damaged in a crash. The paired mobile phone must be connected to SYNC, and the 911 Assist feature enabled, in order for 911 to be dialed. When the feature is on, 911 Assist uses your paired and connected mobile phone to assist occupants to contact emergency services by dialing 911 if your airbag deploys or, on certain vehicles, if the emergency fuel pump shutoff is activated.
- (3) Aftermarket on-board diagnostic devices may interfere with various vehicle systems including Vehicle Health Report and 911 Assist. To avoid interference, remove the device or contact the device maker for more information on compatibility.
- (4) Commands may vary by phone and AppLink software.
- (5) Requires phone with active data service and compatible software. SYNC 3 does not control 3rd party products while in use. 3rd parties are solely responsible for their respective functionality.

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

Related Content



JOB AIDS SYNC Central May 17, 2017

Features > Comfort/Convenience > Signature Technologies

- Streamlined with the most relevant information in view
- Simple, user-centric appearance that features large on-screen touch buttons, which are easily identified by what they do
 - Home screen provides at-a-glance status for Phone,
 Audio and Navigation (if equipped)
 - Vehicles without Navigation will have Phone, Audio and Compass status
 - Home button at top left returns to this screen
 - Buttons along the bottom are visible all the time for quick, convenient access to Audio, Phone, Nav (if equipped), Apps and Settings
 - Phone screen clean and simple design features tiles and icons used on selected screens to quickly access features, reducing the amount of screens with main features readily available



- o A-to-Z jump feature allows owners to conveniently find phone contacts
- o A quick drag of the scroll bar displays a large letter denoting where owners are alphabetically within their phone book
- o Owners can also use the dial command; for example, say "Dial" followed by the phone number
- Audio screen uses an increased font size for easy readability with large pre-sets and a status bar that indicates which bank of pre-sets is being viewed
 - o Simple controls for shuffle and repeat, clearly identified with icons
 - o Large display of album cover art
 - o Provides easy-to-use controls and a view of time remaining on current song
 - o Owners can also quickly access what they want by using voice commands
- SYNC AppLink screen the user-centric screen offers a similar experience in the vehicle as on a smartphone with quick-response swipe technology to view available apps
 - Apps installed and discovered on the owner's phone are shown, along with an icon for each app⁽¹⁾
 - o iPhone[®] users connect via USB and Bluetooth[®]; AndroidTM users connect via Bluetooth only
 - Apps can resume across ignition cycles, when connected
- Settings screen allows owners to customize their system experience with various settings for the touchscreen display, feature
 preferences and how owners want to interact with their vehicle
- Nav screen (if equipped) has all the relevant information at the driver's fingertips to get directions quickly and conveniently
 - o Allows for convenient pinch-to-zoom movement around the map
 - o Simple voice recognition destination entry and "fuzzy search" for Points of Interest (POIs)
 - One-box search makes it easy to type in the information the driver wants into a single field, similar to GoogleTM search (vehicle speed-restricted feature)
 - o Once configured in the system, time to reach Home and Work destinations is clearly shown
- Climate screen provides access to all climate control functions; climate features vary by vehicle and may include:
 - **Climate controls:** turn on/off, including activating/de-activating dual-zone electronic automatic temperature control, setting driver and front-passenger temperature (60° F to 85° F), adjusting fan speed and selecting fan blower areas desired
 - o Windows and mirrors: turn on/off front and rear defroster as well as heated exterior side mirrors

MAKE THE POINT: Auto Activation

Activating an Owner Account enables customers to take advantage of SYNC features. With Auto Activation, you can create an Owner Account on Smart VINCENT for your customers at delivery and assist with pairing their phone. Customers can then visit Owner.Ford.com to change the temporary password and personalize their account.

(1) Available on select models and compatible with select smartphone platforms. SYNC AppLink requires any compatible apps to be installed and running on a capable smartphone while connected to Ford SYNC. Commands may vary by phone and AppLink software. Message and data rates may apply.

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

Related Content



JOB AIDS SYNC Central May 17, 2017

SYNC Push-to-Talk Button

2018 Mustang

Features > Comfort/Convenience > Signature Technologies

- Located on the right side of the steering wheel
- Press and release the button to activate the voice recognition mode of SYNC
- Press and hold the button to activate Siri® Seamless Integration

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.



Related Content



JOB AIDS **SYNC Central**May 17, 2017

Features > Comfort/Convenience > Signature Technologies

For a quick breakdown of features within SYNC and SYNC 3, please see the reference guide below.

Feature	SYNC	SYNC 3
4.2" color LCD screen in center stack	•	_
8" color LCD touchscreen in center stack	_	•
Control pads on steering wheel	•	-
Media hub — 2 smart-charging USB ports	•	•
911 Assist	-	•
SYNC AppLink	-	•
Voice control of:		
— Phone	•	•
— Entertainment	•	•
— Climate	_	•
— Navigation (if equipped)	_	-
— SYNC AppLink	•	•
Siri® Seamless Integration	_	-
Automatic updates via Wi-Fi®	_	-

 $\textbf{NOTE:} \ \textbf{For product features, please see Models \& Packages and/or the Dealer Ordering Guide for availability.}$

Related Content



JOB AIDS **SYNC Central** May 17, 2017



Features > Comfort/Convenience > Signature Technologies

With a SYNC Connect-equipped vehicle (4G embedded modem), owners can use FordPass to locate their parked vehicle and remotely access vehicle features such as start, lock and unlock, and vehicle status including fuel level and approximate mileage. Drivers can also schedule specific times to remotely start their vehicle so it's ready to hit the road as soon as they are.

FordPass, compatible with select smartphone platforms, is available via a download. Message and data rates may apply.

	Mustang
Standard	_
Included	Premium Plus Package201A (EcoBoost Premium)401A (GT Premium)
Optional	_



SYNC Connect Powered by FordPass — Remote Features

With a SYNC Connect-equipped vehicle (4G embedded modem), owners can use FordPass to stay connected with their vehicle remotely.

Remotely start the vehicle and Climate Control System (Auto trans only)

With the press of a button on the phone, owners can start their vehicle. And, if they select Auto or Last Setting, they can have their vehicle be at the same temperature and fan speed they previously selected. If it's snowing outside, their vehicle can be nice and toasty; and if it's a scorcher, it can be nice and cool.

Set up a remote start schedule (Auto trans only)

Whether drivers leave for work at the same time every day — or only on Tuesdays and Thursdays — just schedule a remote start for specific times and days of the week.

Note: If they haven't driven their vehicle between scheduled remote starts, the feature will be turned off and owners will receive a notification through FordPass.

Lock and unlock the vehicle's doors

No need to hurry back to the vehicle; owners can lock or unlock the doors from virtually anywhere.

Locate the vehicle

Customers can use FordPass to guide them to their parked vehicle. The Vehicle Locator feature saves the location of their parked vehicle with an on-board GPS. The vehicle location is automatically saved when the vehicle is turned off.

Check the status of the vehicle

If drivers are wondering whether they have enough fuel to get to an appointment, they can check their fuel level in FordPass. Owners can also check approximate mileage and miles until the next service is needed.

SYNC Connect Wi-Fi® Hotspot

- A powerful vehicle antenna provides connectivity for up to 10 devices
- Connectivity range is up to 50 ft. outside the vehicle
- Wi-Fi enabled devices within range automatically connect to the vehicle hotspot when vehicle is on
- Stream music or a movie, access a favorite app or connect to social media

- Includes 3 months or 3 GB of data with activation done via **Owner.Ford.com** or FordPass
- Additional data subscription available at extra cost from AT&T

Related Content



FRONTLINE ARTICLES
FordPass/SYNC® Connect

June / July 2017



FRONTLINE ARTICLES
FordPass/SYNC® Connect
April / May 2017



FRONTLINE ARTICLES
FordPass/SYNC Connect
February / March 2017



FRONTLINE ARTICLES
FordPass / SYNC Connect
January 2017



FRONTLINE ARTICLES

SYNC® Connect Powered by FordPass™

October / November 2016



JOB AIDS **SYNC Central** May 17, 2017



VIDEO
FordPass™: Overview



VIDEO FordPass™: Parking and My Wallet Features



VIDEO
SYNC Connect powered by FordPass™:
Activation Remote Features

How to Activate 2018 Mustang

Features > Comfort/Convenience > Signature Technologies > SYNC Connect(1)

SYNC Connect Powered by FordPass

Follow these activation steps with your customers during the delivery process prior to them leaving the dealership:

1_ DOWNLOAD FORDPASS

- Go to the App Store[®] or Google Play™
- Download FordPass





2. ENROLL - CREATE OR LOG IN

3. CREATE PIN

4. ADD SYNC CONNECT-EQUIPPED VEHICLE (4G EMBEDDED MODEM)





- Customers enter a 4-digit PIN for added security
- Additionally, iPhone[®] users can choose to use Touch ID



 Customers must add their vehicle to FordPass by scanning the VIN (Vehicle Identification Number) barcode, and then assigning a vehicle nickname. That name will show up on the start-up screen to personally welcome them

Note: Customers can also manually type their VIN to add the vehicle.

Create

 Customers can create an account through FordPass by filling out a form with basic information

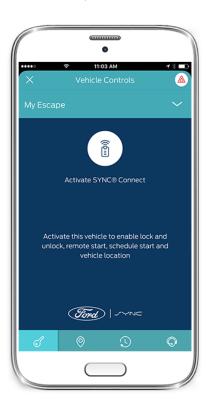
Log In

- If customers already have an Owner Account, they can simply log in using their existing Owner Account credentials
- Enter username and password

5. ACTIVATE SYNC CONNECT-EQUIPPED VEHICLE (4G EMBEDDED MODEM)

In FordPass

- To begin the activation process, customers must go to the FordPass Vehicle Controls card. You can also activate from the My Vehicles card after a SYNC Connect-equipped vehicle is added
- If customers are activating only one vehicle, they will be taken directly to the Activate SYNC Connect screen on the My Vehicles card
- Tap the Activate icon and follow the steps to continue the process



In-Vehicle

- Customers must start their vehicle and touch Allow on the in-vehicle pop-up that appears on the SYNC 3 touchscreen
- After a few minutes, customers can now access most remote features through the Vehicle Controls card



MASTER RESET

Owners should perform a Master Reset to deactivate SYNC Connect when transferring ownership of the vehicle. This resets SYNC 3 and SYNC Connect to factory default settings. All changes made, including paired Bluetooth® devices, contact lists and saved points (if the vehicle is equipped with Navigation) will be lost.

- Touch Settings in bottom feature bar on the SYNC 3 touchscreen
- Touch General
- Scroll down to Master Reset
- Touch Master Reset
- Touch Continue on the pop-up message

NOTE: Available feature. Certain restrictions, 3rd party terms, or message and data rates may apply. See specifications and your Ford Dealer for details.

NOTE: Apple, iPhone and the Apple logo are trademarks of Apple Inc., registered in the U.S. and other countries. App Store is a service mark of Apple Inc.

NOTE: Android, Google Play and the Google Play logo are trademarks of Google Inc.



SP FordParts: SINCCorrect FRONTLINE ARTICLES

FordPass/SYNC® Connect

April / May 2017

Reminder Subsectionned Remarks of Fordinas FRONTLINE ARTICLES

FordPass/SYNC Connect

February / March 2017

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FordPass / SYNC Connect

January 2017

SYNC Connect
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FRONTLINE ARTICLES

SYNC[®] Connect Powered by FordPass™

October / November 2016

08

JOB AIDS **SYNC Central** May 17, 2017

VIDEO

SYNC 3 plus Android Auto™



VIDEO
SYNC® 3 plus Apple CarPlay™ support



FordPass™: Overview



FordPass™: Parking and My Wallet Features

Intelligent Access with Push-button Start

2018 Mustang

Features > Comfort/Convenience > Driver-focused Technologies

Intelligent Access with push-button start allows owners to unlock, lock and start the vehicle when the key fob is close to or inside the vehicle.

- System senses when the Intelligent Access key fob is in range of the door and allows access to the vehicle when:
 - The inside of the front exterior door handle is touched
 - The luggage compartment button is pressed
 - A button on the key fob is pressed
- Trunk can be opened without using the key by depressing the switch located above the license plate when the Intelligent Access key fob is in range
- Smart unlock feature is intended to prevent the Intelligent Access key fob from being locked inside the vehicle
- Key fob includes a removable mechanical key, allowing access to vehicle if the key fob battery is dead

Starting the Vehicle

Once the Intelligent Access Key fob is sensed:

- 1. Press the brake pedal.
- 2. Press and release the Engine START/STOP button on the instrument panel. An indicator light on the button illuminates when the ignition is on and when the engine starts.

Turning Off the Vehicle

- 1. Move the gearshift lever to Park.
- 2. Remove your foot from the brake pedal.
- 3. Press and release the Engine START/STOP button.



Starting the Vehicle — Manual Transmission

Note: Releasing the clutch pedal while the engine is starting will stop the engine cranking and return to ignition on.

- 1. Fully press the clutch pedal.
- 2. Briefly press the Engine START/STOP button.

Turning Off the Vehicle — Manual Transmission

- 1. Move the gearshift lever to Neutral.
- 2. Press the Engine START/STOP button once.
- 3. Apply the parking brake.

MAKE THE POINT: Accessing the Key Cylinder

Vehicles equipped with Intelligent Access with push-button start feature a removable mechanical key blade within the Intelligent Access key fob. Make sure to show your customers that the key cylinder is located under a cap on the driver door handle.

To remove the cap:

- 1. Insert the key blade into the slot on the bottom of the handle and press up.
- 2. While maintaining upward pressure, move the cap rearward to release it. Gently remove the key while doing so.

To install the cap:

- 1. Place the cap just forward of the key cylinder.
- 2. While applying pressure to the cap, move it forward until it is in place. You may hear a snap as it engages.
- 3. Make sure you have properly installed the cap by trying to move it rearward.

Features > Comfort/Convenience > Driver-focused Technologies

The Remote Start System allows the vehicle to be started from afar and remain running for a predetermined amount of time to preheat or cool the vehicle. Climate controls must be pre-set to the desired temperature.

- Provides the added convenience of starting the vehicle from a distance of up to 325 feet; actual range may vary
- Remote Start button is incorporated into the Remote Keyless Entry fob specific to the vehicle
- Available factory-installed equipment
- System also works with a number of driver-selectable comfort and convenience features that can be accessed through the vehicle message center
- Available features and settings vary by vehicle and may include:
 - Engine can be programmed to run for 5-, 10- or 15-minute intervals
 - Heater/AC Auto/Last Setting
 - Front defroster Auto/Off
 - Rear defroster Auto/Off
 - Driver seat heat Auto/Off (If equipped)
 - Passenger seat heat Auto/Off (If equipped)
- Automatic transmission only



MAKE THE POINT: Remote Start System Range

When discussing the Remote Start System with the customer, be sure to explain there are many factors that influence performance and range. Some examples include: structures around where the vehicle is parked, extreme weather conditions, vehicles parked nearby, or even the house or building the customer is in when using their Remote Start System.

MAKE THE POINT: Remote Start System and MyKey

As an added security feature to help prevent vehicle theft, vehicles that are started with a Remote Start System (either a factory-installed or a Genuine Ford Accessory) may shut off the engine when a door or trunk/liftgate is opened or unlocked. This is normal system operation and associated MyKey features and functionality will resume when the vehicle is restarted. Refer to the vehicle owner's manual or documentation for additional information.

Features > Comfort/Convenience > Exterior

- Offer a unique appearance and illuminate quicker than traditional bulbs
- LED headlamps provide a bright, vivid light typically easier to see in the daytime
- LED headlamps offer a 30% reduction in power consumption over the HID headlamps from the prior year
- Anti-haze/fog on inner part of headlamp glass

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.



Sequential Light-emitting Diode (LED) Tri-bar Turn Signals

2018 Mustang

Features > Comfort/Convenience > Exterior

Light-emitting diode (LED) taillamps provide a bright, vivid light — which is typically easier to see in the daytime — and illuminate more quickly than traditional bulbs.

- 3 individual LED lights form the iconic tri-bar rear taillamp assembly
- Sequential turn signals
- Taillamps have 3D look
- LED lamps illuminate faster and last longer than traditional reflector-bulb designs



Features > Comfort/Convenience > Exterior

The global open windows feature lets owners use their key fob to remotely open the vehicle's front windows, helping to cool the vehicle interior before entering.

- To open the windows:
 - After unlocking the vehicle, press and hold the unlock button on the key fob to begin downward motion
 - Press the lock or unlock button on the key fob to stop motion
- Can be enabled or disabled in the Information Display

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.



Key Features 2018 Mustang

Features > Comfort/Convenience > Interior

- Center stack features rotary knobs, buttons and toggle switches for the audio system, climate control and other features drivers can operate by feel while keeping eyes on the road
- Tilt/telescoping steering column and enhanced seat travel allow the driver to find their ideal position
- Shift knob and cupholder placement provides the driver with a clear path for shifting
- Pedals are ideally placed for enhanced comfort and control
- Driver footrest is at the same angle as the accelerator for the sporty driver



Climate Control 2018 Mustang

Features > Comfort/Convenience > Interior

 Single-zone system features multiple instrument panel vents positioned to efficiently circulate air throughout the passenger cabin, helping to eliminate hot or cold spots

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.



Dual-zone Electronic Automatic Temperature Control (DEATC)

2018 Mustang

Features > Comfort/Convenience > Interior

Dual-zone electronic automatic temperature control (DEATC) automatically maintains separate preferred cabin temperatures for the driver and front-seat passenger to meet their individual needs.

- A "set-and-forget" feature
- Allows a temperature setting range between 60°F and 85°F
- Measures interior and exterior temperatures and automatically adjusts temperature and blower speed to maintain pre-set climate control system settings
- Can be controlled with hard buttons on the center stack, the 8" touchscreen or voice commands



Features > Comfort/Convenience > Interior

- Monitors many vehicle systems to alert drivers of potential vehicle problems and various conditions with informational messages and/or warnings (System Check)
- Used to program/configure different features of the vehicle, such as:
 - Trip 1 and 2: includes odometer, timer, distance to empty and average fuel economy
 - Information: includes MyKey data for miles driven and number of keys programmed
 - Settings: includes On/Off for various driver-assist features, duration of headlamp delay and more
- Accessed through 5-way, steering wheel-mounted control pad
- TrackApps delivers vehicle metrics:
 - g-forces
 - Acceleration times
 - Lap timer
 - Braking performance
 - Automatic and countdown starts

NOTE: See the Performance/Handling section for details on TrackApps.



Features > Comfort/Convenience > Interior

- 12" customizable instrument cluster allows drivers to choose the instrument cluster setting they want
- Lets drivers monitor a variety of vehicle functions, from performance to driver-assist features
- Tied to Selectable Drive Modes
 - Cluster image will change depending on what Drive Modes are active
 - Three main cluster images: Normal, Sport and Track
 - Customer can have Mustang in Normal but the cluster can be changed to Track or Sport display
 - Sport/Sport+ and Track put performance features like the tachometer front and center
 - Provides crisp 3D images for features like TPMS, electronic line-lock and driver-assist features
- Information on Demand in the center of the cluster displays
 vehicle information like TPMS, fuel economy trip computer, navigation and performance settings (TrackApps)
- Virtual gauges can be added to monitor various functions like engine oil temperature, boost/vacuum, cylinder head temperature and oil
 pressure
- Features a performance shift indicator (manual transmission only), acceleration timer and a lap timer
- Has performance displays for the accelerometer and electronic line-lock (Track use only)
- Customers will appreciate the attention to detail with this new cluster, for example:
 - During light acceleration, short blue comet tail
 - During heavy acceleration, long blue comet tail
 - Cluster is visual and intuitive
 - Selectable Drive Mode views and visuals change between modes
- Toggle is located on the lower center stack

MyMode

- Memory function allows customers to save their favorite drive settings, including suspension, steering, traction control and more
- When vehicle is shut off and restarted, it defaults to Normal mode

MyGauges

Predefined list that allows driver to select gauges and customize appearance and function

NOTE: See the Performance/Handling section for details on TrackApps.



Storage 2018 Mustang

Features > Comfort/Convenience > Interior

- Includes rear seat back map pockets, sunglass bin to the left of the steering wheel and a media bin at the base of the center stack
- Hidden drop-down bin houses the owner manual, leaving more space in the lockable glove compartment to store personal items
- The available electronic-locking front center console offers storage for small items such as cell phones and pens
- Trunk features a low lift-over height and a flat load floor with enough space to accommodate 2 golf bags
- Flat trunk floor enables a large pass-through with rear seat folded (Fastback only)

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.



Interior Trunk Release Button

2018 Mustang

Features > Comfort/Convenience > Interior

- Located on the instrument panel just to the left of the steering wheel
- Pushing the button opens the trunk



Features > Comfort/Convenience > Interior

The universal garage door opener (UGDO) is a 3-button transmitter that allows the driver to program and operate 3 compatible devices, like the garage door opener, entry gate or home lighting, from inside the vehicle.

- Integrated into the driver-side sun visor
- Includes 2 primary features:
 - A garage door opener
 - The capability to remotely activate devices within the home or office, such as:
 - o Entry gates
 - Security systems
 - o Entry door locks
 - o Home lighting

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

Related Content



VIDEO

Universal Garage Door Opener: Getting Started



VIDEO

Universal Garage Door Opener: Homelink



VIDEO

Universal Garage Door Opener: Homelink for Genie Intellicode



VIDEO

Universal Garage Door Opener: Homelink for Genie Intellicode 2



VIDEO

Universal Garage Door Opener: Lear Car2U Fixed Code Transmitter

Key Features 2018 Mustang

Features > Comfort/Convenience > Seating

- Driver and front-passenger seats offer great support and comfort
- Low front seats provide a sporty driving position
- Power lumbar adjustment available
- Front 4-way adjustable head restraints on all models
- Rear fixed head restraints on all models
- Rear 50/50 split-fold seat backs on Fastback models
- Rear fixed seat backs on Convertible models

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.



Adjustable Head Restraints

2018 Mustang

Features > Comfort/Convenience > Seating

Properly installed and adjusted, head restraints help minimize the risk of neck injury in the event of a crash.

- Whenever possible, head restraint should be properly adjusted when the seat is occupied
- Do not adjust the head restraint when the vehicle is moving

Front 4-way Adjustable Head Restraints

- Can be adjusted up or down, forward and back
- To adjust the head restraint up and down:
 - Pull the head restraint up to raise it
 - Press and hold the button at base of head restraint and push the head restraint down to lower it
- To tilt the head restraint forward and reset it:
 - Adjust the seat back to an upright driving or riding position
 - Pivot the head restraint forward toward the occupant's head to the desired position
 - After the head restraint reaches the forward-most tilt position, pivot it forward again to release it back to the rearward, untilted position

NOTE: Refer to the vehicle owner manual for more information.



Features > Comfort/Convenience > Seating

- Make getting in and out of the rear seat much easier
- Pulling a small lever at the top of the seat back at the perfect height for someone standing next to the car — releases the front seat back
- The person folding the seat forward doesn't have to bend down to release the seat back
- When pushed back, seat back will return to the pre-set recline position
- Not available on RECARO[®] sport seats

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.



Heated and Ventilated (Cooled) Front Seats

2018 Mustang

Features > Comfort/Convenience > Seating

Heated and ventilated (cooled) front seats allow the driver and front passenger to independently control the temperature of their seat surfaces for enhanced comfort.

- Provide 3 levels of warm and cool comfort
- Controlled with hard buttons on center stack



Features > Comfort/Convenience > Seating

- Thick side bolstering for enhanced lateral support in both cushion and seat back helps keep drivers firmly in place during cornering maneuvers
- Driver side 4-way manual adjustment
- Integrated head restraints designed specifically to accommodate helmets for both driver and front passenger
- Fastback models only

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.



50/50 Split-fold Rear Seat Backs

2018 Mustang

Features > Comfort/Convenience > Seating

- Offer extra cargo utility by allowing one seat back to be folded flat
- Help accommodate longer cargo, such as skis, while still providing ample room for a rear-seat passenger
- Fastback models only; fixed rear seat back on Convertible



- 160 watts of peak power
- 6 speakers on V6, EcoBoost and GT
- 9 speakers plus a multi-channel amplifier on Premium models
- AM/FM tuner
- MP3 capability
- Speed-Compensated Volume (SCV)
 - Compensates for changing ambient noise levels by adjusting the volume of the radio according to the vehicle's speed signal
 - Allows 7 volume adjustment levels
 - Adjustable through the menu
- Compression allows the audio dynamic range to be compressed so quieter music is boosted and louder music is lowered to compensate for ambient noise level when enabled during CD mode
- Repeat, when enabled in CD mode, continuously plays the selected track until deactivated
- Shuffle plays CD/MP3 tracks in random order
- Folder button allows access to the MP3 folder



Includes or replaces features of the single-CD/MP3, plus:

- 550 watts of max power
- 12 polymer cone speakers
 - One 1" tweeter in each A-pillar
 - One 3.5" midrange speaker in front center dashboard
 - One woofer and one midrange speaker in each door
 - Two coaxial speakers in the rear package tray on Fastback; in each rear quarter panel on Convertible
 - One 8" amplified bass subwoofer in trunk
 - One 8-channel DPS amplifier mounted in the trunk panel
- Enhanced bass performance
- Folder/track mode allows the audio system to play and seek through disc tracks with or without folder option (available with MP3 discs only)

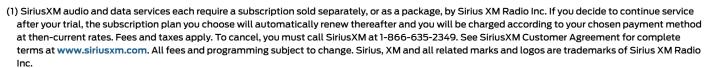


- Only for FM radio stations supporting RDBS capability
- Radio station call letters appear on radio display
- Type of music format appears on radio display
- Search for type of music format
- Traffic information broadcasts
- Occupancy setting allows for one of three vehicle acoustic settings to be chosen



SiriusXM Radio provides programming via satellite to the 48 contiguous United States and Washington, D.C., for added enjoyment while driving.

- The radio is pre-activated at the factory and includes 6 months of SiriusXM service, subject to geographic location and availability
- Includes Sirius All Access with more than 150 channels
- A complimentary SiriusXM Internet Radio trial allows owners to listen to SiriusXM on their computer, smartphone or other compatible device
 - Features additional channels only available online
 - Song/Artist Alert notifies the subscriber when a particular song or artist is playing on another channel
- SiriusXM Radio can be accessed using the audio controls
- Press the SIRIUS button to enter satellite radio mode
- Press the Tune or Seek/Scan buttons to change channels



NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

Related Content



VIDEO

Using SiriusXM® Satellite Radio with SYNC® 3

Sirius All Access

2018 Mustang

Features > Comfort/Convenience > Audio/Entertainment

- Included with the 6-month SiriusXM[®] Radio subscription
- Features more than 150 channels and a complimentary SiriusXM Internet Radio trial
 - SiriusXM Internet Radio enables owners to listen to SiriusXM on their computer, smartphone or other compatible device
 - Includes additional channels only available online
 - SiriusXM app is compatible with SYNC AppLink
- More information is available online at siriusxm.com or toll-free at (866) 635-2349





HD Radio technology allows the radio to receive digital signals broadcast on traditional radio station frequencies. This allows for up to 4 channels of local content per radio station. HD Radio is not satellite or "high definition" radio.

- HD Radio products work the same way as conventional radio, with a digital signal broadcast by a station and received by consumers in a specific area
- However, instead of sending one analog signal, HD Radio stations send a bundled signal made up of both analog and digital signals
- The digital signal is compressed, and when received by an HD Radio receiver, the signal is decoded into as many as 4 sub-channels, each with unique programming, including additional or alternative format music, news, traffic and sports
- Because the signal is digital, sound quality is significantly superior to traditional radio, virtually eliminating buzzing, static and popping
- Data displayed on-screen such as song, artist, breaking news, weather alerts, sports scores and much more
- No subscription or additional cost required
- Visit www.hdradio.com to learn more

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

Related Content



VIDEO

HD Radio™ Technology



Voice-Activated Touchscreen Navigation System with SiriusXM[®] Traffic and SiriusXM Travel Link[™] Services⁽¹⁾

2018 Mustang

Features > Comfort/Convenience > Navigation

The Voice-Activated Touchscreen Navigation System with SiriusXM® Traffic and SiriusXM Travel Link® Services⁽¹⁾ uses Global Positioning System (GPS) technology and 3D mapping. This allows drivers to find addresses and points of interest (POIs) using voice commands for enhanced convenience, while the system provides voice-guided turn-by-turn directions.

SiriusXM Traffic and Travel Link is a subscription-based service that provides detailed traffic information, plus current and forecasted weather, gas station locations and prices, sports scores and schedules, and movie theater locations with show listings and times.

- Voice activation supports "fuzzy search" for POIs; for example, drivers can say a partial name, such as "PF Chang's," instead of "PF Chang's China Bistro"
- 8" color LCD touchscreen in the center stack operates navigation function
 - Supports natural number entry; for example, drivers can say "Eleven Twenty-five" instead of "1-1-2-5"
 - Allows for convenient pinch-to-zoom screen control
 - Features simple one-shot destination entry (State is optional for search)
- Bird's-eye map provides a "3D" view of route, landmarks and points of interest
- Destination selection search methods include:
 - Street address
 - Increased points of interest, including retail
 - Freeway entrance/exit search
 - Previous destination
- Route Guidance with turn-by-turn voice directions
 - Street name announcements
 - Freeway exit, turn and ramp transition lane guidance
 - Speed limit display on freeways
- Supports English, French and Spanish
- Help menu for basic operation, driving restrictions and navigation
- Automatic rerouting recalculates a new route if a turn is missed
- Emergency button provides nearest emergency facility to choose as a destination (hospital or police)
- Valet Lockout Mode disables operation of the navigation and audio systems
- Address book saves the most frequently used destinations for quick and easy routing
- (1) SiriusXM audio and data services each require a subscription sold separately, or as a package, by Sirius XM Radio Inc. If you decide to continue service after your trial, the subscription plan you choose will automatically renew thereafter and you will be charged according to your chosen payment method at then-current rates. Fees and taxes apply. To cancel, you must call SiriusXM at 1-866-635-2349. See SiriusXM Customer Agreement for complete terms at www.siriusxm.com. All fees and programming subject to change. Sirius, XM and all related marks and logos are trademarks of Sirius XM Radio Inc.



SiriusXM[®] Traffic and SiriusXM Travel Link[®] Services⁽¹⁾

2018 Mustang

Features > Comfort/Convenience > Navigation

- 60-month complimentary subscription subject to geographic location and availability⁽¹⁾
- Included with Voice-Activated Touchscreen Navigation System

Traffic info

- Provides incident, speed and flow information for 80 major cities in the continental U.S.
- Updates every 2.5 minutes
- View graphical overlay of incidents
- Route recalculation based on traffic data

Weather info

- Provides current weather and 5-day forecast reports that are updated every 5 minutes
- Current conditions update every 30 minutes
- Region of interest can be defined by customer

• Fuel pricing for over 120,000 gas stations

- Search for pricing en route or based on current location
- Displays pricing for regular, mid-grade and premium when available

Sports updates

- Score summaries and schedules for major sports
- Updates every 5 minutes
- User can personalize for favorite teams
- Movie listings for over 4,500 theaters, including times, movie summaries and directions to the theater
- More information is available online at siriusxm.com or toll-free at (866) 635-2349
- (1) SiriusXM audio and data services each require a subscription sold separately, or as a package, by Sirius XM Radio Inc. If you decide to continue service after your trial, the subscription plan you choose will automatically renew thereafter and you will be charged according to your chosen payment method at then-current rates. Fees and taxes apply. To cancel, you must call SiriusXM at 1-866-635-2349. See SiriusXM Customer Agreement for complete terms at www.siriusxm.com. All fees and programming subject to change. Sirius, XM and all related marks and logos are trademarks of Sirius XM Radio Inc.

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

Related Content

VIDEO



Using SIRIUSXM Traffic and Travel Link with SYNC 3



Features > Comfort/Convenience > Packages

- Adaptive cruise control
- Auto-dimming driver's sideview mirror
- Auto high-beam headlamps
- BLIS[®] (Blind Spot Information System) with cross-traffic alert
- Lane-Keeping System
- Memory driver seat, exterior mirrors and ambient lighting
- Pre-collision Assist with Pedestrian Detection
 - Automatic Emergency Braking
 - Forward Collision Warning with Brake Support
- Rain-sensing windshield wipers

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.



Quality/Reliability/Durability

2018 Mustang

Features

- Advanced aerodynamics and an acoustic-laminate windshield contribute to a quiet cabin with low wind noise
- Perimeter subframe helps stiffen the front structure while reducing mass
- Intelligent Oil-Life Monitor calculates oil change intervals based on vehicle use and operating conditions
- Easy maintenance with a 150,000-mile transmission fluid/filter maintenance interval for manual and automatic transmissions



Features > Quality/Reliability/Durability > Quality

All Mustang Models

 Advanced aerodynamics and an acoustic-laminate windshield contribute to a quiet cabin with low wind noise

Mustang Convertible

 Multilayer, fully insulated cloth top on Convertible models provides a quiet cabin

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.



Powertrain 2018 Mustang

Features > Quality/Reliability/Durability > Quality

- 2.3L EcoBoost engine features switchable engine mounts that provide 2 modes of operation — driving mode and idle mode controlled by the engine control module (ECM) through a vacuum switch
 - In driving mode, the mounts deliver high damping and high dynamic rates required for secondary ride/shake
 - In idle mode, the mounts deliver the softer dynamic rates required for vibration isolation



Features > Quality/Reliability/Durability > Quality

- Perimeter subframe helps stiffen the front structure while reducing mass, providing a foundation for more predictable wheel control that benefits handling, steering and ride
- Aluminum-alloy rear knuckles of the independent rear suspension help reduce unsprung mass for enhanced ride and handling

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.



Active Noise Control (2.3L EcoBoost)

2018 Mustang

Features > Quality/Reliability/Durability > Quality

Active noise control helps to create a tailored sound experience by reducing or canceling unwanted, low-frequency noise and enhancing specific sounds inside the cabin for a more enjoyable driving environment.

- Microphones in the vehicle interior detect and measure the amplitude and phase of noise sound waves
- This information is relayed to the active noise control module
- The module takes into account engine speed to calculate the target frequency that needs to be canceled, targeting only unwanted noise and not other noise inside the cabin such as the audio system or passenger conversations
- The module then uses this information to generate a sound wave that has the same amplitude as the noise but reverses and enhances it
- The reversed and enhanced sound wave is directed through the audio system speakers
- EcoBoost-equipped vehicles provide a more engaging in-cabin powertrain sound note while in Sport mode



Features > Quality/Reliability/Durability > Reliability

- 6-year/100,000-mile⁽¹⁾ engine coolant change interval for 2.3L and 5.0L V8 engines⁽²⁾
- Spark plug maintenance intervals:⁽²⁾
 - 100,000 miles on 2.3L EcoBoost and 5.0L V8
- 150,000-mile transmission fluid/filter maintenance interval⁽²⁾ for manual and automatic transmission

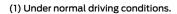


- (1) Whichever occurs first.
- (2) Under normal driving conditions.

Features > Quality/Reliability/Durability > Reliability

The Intelligent Oil-Life Monitor calculates oil change service intervals based on actual vehicle use, operating conditions and time since last oil service.

- Oil change intervals of up to 1 year/10,000 miles (1)
- A message will appear in the Information Display indicating when it's time for an oil change
 - CHANGE ENGINE OIL SOON will appear when engine oil life remaining is 10% or less
 - ENGINE OIL CHANGE DUE or OIL CHANGE REQUIRED will appear when oil life reaches 0%
- The oil change should be performed within 2 weeks or 500 miles of the ENGINE OIL CHANGE DUE or OIL CHANGE REQUIRED message appearing
- Conditions that could accelerate an oil change interval include towing, short-distance driving and driving in extreme temperatures
- The Intelligent Oil-Life Monitor must be reset after each oil change



NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

Related Content



VIDEO
Intelligent Oil-Life Monitor® — Reset with 3-button setup Info/Setup/Reset



Features > Quality/Reliability/Durability > Durability

- Extensive durability testing helps ensure EcoBoost engines will excel in all conditions. Testing includes:
 - Start-up tests, with a wide variety of fuels, were made in conditions ranging from -40°F to 110°F
 - Peak power testing for hundreds of hours to ensure durability and reliability goals



ENGINEERING INSIGHT: Durability Testing

Mustang is sold in a multitude of countries. That's one reason it's tested at the extremes of climate and endurance — from corrosion testing with Arizona salt spray booths to snow ingestion testing in Minnesota. Additional testing includes:

- Water spray jets that seek out water leaks and water ingestion testing that measures the engine's ability to resist stalling in extreme situations
- Selected vehicles coming off the assembly line go through a comprehensive 30-mile test-drive, including a water test and a review
 of sheet metal, paint, interior trim and functional items
- Hill-climb test includes a 20% test grade for 30 feet. More severe testing runs the vehicle on a 30% incline for 36 feet. In
 comparison, the grade standard for highways is 6%. In naturally occurring terrain, even the steepest of ski slopes is about a 37%
 incline
- The chuckhole testing road is 240 feet long, with potholes varying in shape and depth from 1 to 4 inches. Holes are strategically
 placed 20 feet apart and run 90 degrees to the direction of travel much worse than a typical commute

Features > Quality/Reliability/Durability > Durability

- Main bearing bulkhead widths and nodular iron cross-bolted main bearing caps help ensure durability under the most extreme use
- Deep-sump oil pan capacity is 8 quarts (with oil filter)

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.



New Vehicle Limited Warranties

2018 Mustang

Features > Quality/Reliability/Durability > Warranties

- 3-year/36,000-mile bumper-to-bumper; no deductible
- 5-year/60,000-mile Powertrain Limited Warranty
- 5-year/unlimited-mileage Corrosion Perforation (aluminum panels don't require perforation)
- 5-year/60,000-mile Safety Restraint Warranty

NOTE: See www.motorcraftservice.com for a link to a printable PDF of the Warranty Guide.



Features > Quality/Reliability/Durability > Warranties

- Powertrain Limited Warranty for Ford vehicles is 5 years or 60,000 miles, whichever comes first
- That's an additional 2 years/24,000 miles of coverage beyond the bumper-to-bumper coverage for components such as the engine, transmission and front- or rear-wheel-drive parts

NOTE: See www.motorcraftservice.com for a link to a printable PDF of the Warranty Guide.

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.



24-Hour Roadside Assistance

2018 Mustang

Features > Quality/Reliability/Durability > Warranties

- Toll-free number (1-800-241-3673) operational 24 hours a day, every day
- Some of the services that customers can request include flat tire change, towing to the nearest Ford dealership, fuel delivery, jump starts and lockout assistance

NOTE: See www.motorcraftservice.com for a link to a printable PDF of the Warranty Guide.



Design/Styling 2018 Mustang

Features

- Mustang features a "gotta have it" design that delivers the essence of the Mustang heritage while clearly signaling a newgeneration product philosophy
- The essential character of Mustang lives in the key design features such as a long sculpted hood and short rear deck with contemporary execution
- Aviation-inspired cockpit features large, clear instrumentation, putting vehicle information right in front of the driver
- Convertible "designed as a convertible" with unique features
- Several packages let customers add unique style to their vehicle

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.



Key Features 2018 Mustang

Features > Design/Styling > Exterior

- Low roof height, wide body and wide rear track lend to a low, wide stance
- New front fascia flows into taut bodylines all the way down to the muscular haunches for distinctive Fastback styling
- Mustang Fastback features a sleek profile enabled by a steeply sloped windshield and rear glass
- Mustang Convertible available in EcoBoost Premium and GT Premium models



Up Front 2018 Mustang

Features > Design/Styling > Exterior

- New lowered hood with standard air extractor vents
- New lower, wider grille with grille opening reinforcement
- New light-emitting diode (LED) headlamps and park/turn lamps
- Sleek, more aerodynamic front end flows with a more modern shape
- Lower splitter adds to performance car look
- LED signature lighting designed to be more prominently seen

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.



Along the Side 2018 Mustang

Features > Design/Styling > Exterior

- Steeply sloped windshield and rear glass provide a sleek profile
- Unified side glass for a clean, modern appearance
- Redesigned front fenders
- 10 new aluminum wheel designs
- Exterior mirrors mounted to doors helps visibility
- Exterior side mirrors fold in for added convenience when parking in a tight space or entering an automated car wash



At the Rear 2018 Mustang

Features > Design/Styling > Exterior

- Newly designed 3-dimensional, tri-bar taillamps with lightemitting diode (LED) sequential turn signals
- New rear fascia and valance
- New rear diffuser with larger blades on GT
- New dual exhaust with quad tips on GT models

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.



Exterior Colors 2018 Mustang

Features > Design/Styling > Exterior

- Ingot Silver⁽¹⁾
- Kona Blue⁽¹⁾ New
- Lightning Blue⁽¹⁾
- Magnetic⁽¹⁾
- Orange Fury Metallic Tri-coat⁽²⁾ New
- Oxford White
- Race Red
- Royal Crimson Metallic Tinted Clearcoat⁽²⁾ New
- Ruby Red Metallic Tinted Clearcoat⁽²⁾
- Shadow Black
- Triple Yellow Tri-coat⁽²⁾





- (1) Metallic paint.
- (2) Extra-cost option.

Key Features 2018 Mustang

Features > Design/Styling > Interior

- Details are executed with the highest degree of craftsmanship
- Classic twin-eyebrow instrument panel with hidden seams, premium materials and available aluminum trim offers an upscale appearance
- Chrome accent instrument cluster features 2 large, round gauges and a 4.2" full-color screen
- Dynamic feel of the steering wheel enhances the driving experience
- Every Mustang features a unique instrument panel badge with the galloping Pony logo and the word "Mustang"
- Available ambient lighting with MyColor allows owners to personalize the vehicle's interior LED lighting by changing the color to their preference

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.



Ambient Lighting

Features > Design/Styling > Interior

Ambient lighting allows owners to personalize the vehicle's interior LED lighting by changing the color to their preference.

- Turns on when the ignition and the headlamps are switched on
- Will remain on until the ignition is switched off and either the vehicle is locked or the accessory delay timer expires

Lighting choices:

Ice Blue, Gray, Green, Purple, Blue and Orange

Light-emitting diode (LED) lights illuminate:

- Front and rear footwells
- Cupholders
- Door map pockets
- Door sill plates

Lighting is adjusted by:

- Information Display
- Shares color compatibility with MyColor

2018 Mustang

MyColor 2018 Mustang

Features > Design/Styling > Interior

- Offers 3 storable custom color settings in addition to the 6 factory pre-set colors from ambient lighting
- Customers with the 12" LCD digital instrument cluster can mix up to 30 custom colors and save their 3 favorites (MyColor 1, MyColor 2 and MyColor 3) via programming in the message center

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.



EcoBoost 2018 Mustang

Features > Design/Styling > Model Differentiation

3. exterior features that differentiate each model

Exterior

- Badging running Pony between taillamps
- Exhaust single, dual exit, bright with rolled tips
- Tail lamps LED
- Wheels 17" Sparkle Silver-painted aluminum

Interior

- Cup holder surrounds Satin chrome
- Instrument panel Carbon Zag aluminum finish
- Instrument cluster register vents Satin chrome
- Seating
 - Cloth in Ebony or Dark Ceramic



Features > Design/Styling > Model Differentiation

All EcoBoost features, plus:

Exterior

- Decklid spoiler blade, body-color
- Fog lamps LED
- Pony projection lights

Interior

- Ambient lighting
- Door speaker surround bright
- Illuminated sill plates
- Instrument panel Angled Brush aluminum finish
- Pedal covers aluminum
- Seating
 - Leather-trimmed in Ebony, Ceramic or Tan
 - Available RECARO[®] leather-trimmed sport seats in Ebony
- Trim
 - Satin door speakers, cupholder, register vents and instrument cluster surrounds
 - Premium door trim with soft door rollovers

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

GT 2018 Mustang

Features > Design/Styling > Model Differentiation

All EcoBoost features, plus:

Exterior

- Badging "5.0" on fender and "GT" between the taillamps
- Exhaust dual with quad tips
- Fog lamps LED
- Grille unique High-gloss Black-painted
- Rear diffuser unique
- Spoiler raised blade decklid, body-color

Interior

Instrument panel — Silver Arrow aluminum finish





GT Premium 2018 Mustang

Features > Design/Styling > Model Differentiation

All GT features, plus:

Exterior

Pony projection lights

Interior

- Ambient lighting
- Door rollover soft
- Illuminated sill plates
- Instrument panel Angled Brush aluminum finish
- Pedal covers aluminum
- Seating
 - Leather-trimmed in Ebony, Ceramic or Tan
 - Available RECARO® leather-trimmed sport seats in Ebony
- Trim premium door trim



NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

Black Accent Package

2018 Mustang

Features > Design/Styling > Packages

- 19" Ebony Black-painted aluminum wheels
- Black blade decklid spoiler
- Black front and rear pony badges (EcoBoost)
- Black GT, 5.0 and Pony badges (GT)
 - Painted black roof (94B) required at extra cost, except with Shadow Black exterior color



Features > Design/Styling > Packages

- 19" polished aluminum wheels
- Bright beltline and window surround (Fastback only)
- Premium floor mats with Ebony embroidered Pony logo
- Side rocker stripes
- Tri-bar Pony badge
- Unique bright upper grille with Pony logo with corral design

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.



Wheel and Stripe Package

2018 Mustang

Features > Design/Styling > Packages

- 19" machined face aluminum wheels with Dark Tarnish Metallic-painted pockets
- Side beltline stripe



Features > Design/Styling > Packages

- Alcantara door inserts
- Alcantera seat inserts
- Carbon fiber instrument panel trim
- Carbon fiber shift knob

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.



Mustang Convertible Platform

2018 Mustang

Features > Design/Styling > Convertible Features

- Unique beltline and decklid
- Features a stiff, rigid chassis that requires few reinforcements
 - Less additional bracing helps reduce vehicle weight
 - Less overall vehicle weight helps add to acceleration, braking and handling performance



MAKE THE POINT: Torsional Rigidity

A simple way to explain torsional rigidity to your customers is to use a shoebox analogy. A shoebox with the lid on top is not easy to twist or bend. This is like a hardtop coupe or sedan. But when you take the lid off, the shoebox becomes flimsy. It is easy to twist or bend it. In the same way, a convertible loses some torsional rigidity when you take the top off. But when you put the lid on the bottom of the shoebox, it regains some of the stiffness it had before. In a similar way, Mustang Convertible engineers used firmer body joints and rocker panels to add stiffness without extra weight.

Features > Design/Styling > Convertible Features

- Full inner headliner
- 5-bow structure helps reduce potential sagging from things like heavy wet snow accumulated on the top
- Insulation sandwiched between the outer and inner layer helps keep the interior quiet and also improves the interior climate control
- Top designed to eliminate the folds at the rear corners when the top is up
- Z-fold design stacks lower when in the open position
 - Sits lower than the previous design
 - Provides sleek-looking profile
 - Better rear visibility for the driver
 - Does not intrude into trunk space
- Multilayer insulated cloth top offers an upscale appearance and quiet cabin
- Uses 2 all-electric mechanisms designed to be quieter than the previous electro-hydraulic system
- Provides a more finished, tidy top-down appearance
- Single center-mounted latch offers one-handed operation
- Can be lowered in just 7 seconds, twice as fast as the previous-generation Convertible
- Available in black cloth only

Step-by-Step: Convertible Top

Opening the Top

- 1. Bring the car to a complete stop and place in Park. The ignition must be on. It's recommended the engine be running to avoid draining the battery
- 2. Check the top's storage compartment behind the rear seat to ensure it's empty. Then check that the top's outer surface is free of debris.
- 3. Pull the center single-handed latch handle downward fully to allow the latch to open fully into the open position.
- 4. Press and hold the convertible top switch located on the center console until the windows are completely down and the top is completely stored.

Closing the Top

- 1. Bring the car to a complete stop and place in Park. The ignition must be on. It's recommended the engine be running to avoid draining the battery.
- 2. Press and hold the convertible top switch until the windows lower completely and the top unfolds and moves forward toward the windshield header.
- 3. Pull the center single-handed latch handle down so it is in the fully opened position before the top and the windshield header make
- 4. Continue pressing the convertible top switch to close the top completely. The top must be flush with the header.
- 5. Pull down on the latch handle and push it all the way forward into the windshield header.
- 6. Continue to press the latch forward until it locks into position.

ENGINEERING INSIGHT: Convertible Top Audio

If the Convertible's audio system is on, the sound will mute briefly when the vehicle's top is being unlatched or latched. This is due to the audio system's new equalization being loaded to enhance the audio system sound with the top up or down. Muting is normal, and the sound will return after a few seconds. The audio system will not mute while the top is opening or closing.



Features > Design/Styling > Convertible Features

- Includes rear defrost to help clear frost and snow from the rear window
- Glass will not discolor, scratch or stain like plastic

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.



Convertible Tonneau Caps

2018 Mustang

Features > Design/Styling > Convertible Features

- Tonneau caps slide easily into place to help give the lowered top a sleek finish
- Available only in black
- Helps protect the top once it is fully retracted and provides a finished appearance



Features > Design/Styling > Convertible Features

- Provided in precisely the same arrangement as in the Fastback
- Convertible adds a switch to control the power top

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.



Fixed Rear Seat Backs

2018 Mustang

Features > Design/Styling > Convertible Features

- Allow secure storage of the Convertible top
- 50/50 split-fold seat backs are not available



Trunk Space 2018 Mustang

Features > Design/Styling > Convertible Features

- Mustang Convertible provides 11.4 cu. ft. of cargo capacity
- 18% increase over the previous-generation Convertible

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.



Models & Packages

2018 Mustang

The following pages indicate Mustang standard and optional equipment. Each model adds to or upgrades the equipment of the preceding model, except where additions/exemptions are noted. Mustang is available in the following models:

- EcoBoost (Fastback and Convertible)
- EcoBoost Premium (Fastback and Convertible)
- GT (Fastback only)
- GT Premium (Fastback and Convertible)











Performance/Handling

Models & Packages

Performance/Handling	EcoBoost	EcoBoost Premium	GT	GT Premium
Active Grille Shutter System	S	S	s	S
Active Valve Performance Exhaust	_	_	0	0
AdvanceTrac with unique tuning (incl. in EcoBoost Performance and GT Performance Packages)	0	0	0	О
Axle, rear — limited-slip				
3.15:1 ratio (automatic transmission only on EcoBoost and GT models)	О	О	0	0
3.31:1 ratio (manual transmission only)	S	S	_	_
3.55:1 ratio (incl. in EcoBoost Performance Package; Std. on GT with manual, opt. on GT with automatic)	0	0	S/O	S/O
3.73:1 ratio (manual transmission only)	_	_	0	0
Brakes				
4-wheel disc, vented, with Anti-Lock Brake System (ABS)	S	S	S	S
${\it Brembo}^{\it @} \mbox{6-piston front brake calipers with larger rotors (manual transmission only; incl. in GT Performance Package)}$	_	_	0	О
Electronic line-lock (track use only)	S	S	S	S
4-piston front brake calipers with larger rotors (incl. in EcoBoost Performance Package)	О	0	s	S
Engine	,			
2.3L EcoBoost	S	S	_	_
5.OL Ti-VCT V8 (incl. engine oil cooler)	_	_	s	S
Exhaust system			,	
Single, dual exit (2.3L)	S	S	_	_
Dual (5.0L)	_	_	S	S
Launch control (manual transmission only) (track use only)	S	s	S	s
Mini spare wheel and tire	0	0	0	0
Radiator — high-performance (incl. in EcoBoost Performance and GT Performance Packages)	0	0	0	0
Selectable drive modes (incl. in 101A and 301A)	0	s	0	S
Spare tire and wheel — mini (NA with 67E on EcoBoost; NA with 67E or 649 on EcoBoost Premium; NA with 67G or 673 on GT; NA with 67G, 673 or 649 on GT Premium)	О	0	0	0
Steering				
Driver selectable-effort electric power-assisted (EPAS) with pull-drift compensation and active nibble control	S	S	S	S
Unique EPAS calibration (incl. in EcoBoost Performance and GT Performance Packages)	0	0	0	0
Suspension	н		п	

Continuously Controlled MagneRide Damping System (req's. EcoBoost Performance Package on EcoBoost; req's GT Performance Package on GT)	0	0	0	O
Heavy-duty front springs (incl. in EcoBoost Performance and GT Performance Packages)	0	0	0	0
K-brace (incl. in GT Performance Package and EcoBoost Performance Package)	0	0	0	0
MacPherson strut double ball-joint front and integral-link independent rear	S	S	S	S
Strut tower brace (incl. in EcoBoost [black] and GT Performance Packages [silver])	О	О	0	0
Upsized front/rear stabilizer bars (incl. in GT Performance Package and EcoBoost Performance Package)	O	0	О	О
Tire Inflator and Sealant Kit	S	S	S	S
Tires	n.	n.	,	
P235/50R18	О	S	s	S
P235/55R17 all-season	S	_	_	_
255/40R19 summer-only compound performance (incl. in EcoBoost Performance Package)	_	0	_	_
255/40R19 front and 275/40R19 rear summer-only compound performance	_	_	О	0
265/35R20 all-season performance	_	0	_	0
TORSEN® helical differential withlimited-slip rear axle	0	0	0	0
3.55:1 (EcoBoost Performance Package)				
3.55:1 (GT Performance Package w/automatic transmission)				
 3.73:1 (GT Performance Package w/manual transmission 				
TrackApps	S	S	S	S
Transmissions				
6-speed manual	S	S	S	S
10-speed SelectShift automatic with paddle shifter activation	0	О	0	0
•	n	η		

S = Standard

O = Available as a stand-alone option, part of a package or part of an Equipment Group

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^{— =} NA



Models & Packages

Safety/Security	EcoBoost	EcoBoost Premium	GT	GT Premium
Active Anti-Theft System (std. on Convertible)	0	0	0	0
AdvanceTrac electronic stability control	S	S	S	S
Airbags — driver knee, dual-stage front, front-seat side and side-curtain (side-curtain on Fastback only)	S	S	S	S
Center Console — electronic-locking (std. on Convertible; opt. of Fastback)	О	0	0	0
Defroster — rear window	S	S	S	S
Glove-box-door-integrated knee airbag	S	S	S	S
Head restraints			7	
Front 4-way adjustable (NA with RECARO® seats)	S	S	S	S
Rear integrated	S	S	S	S
Illuminated entry	S	S	S	S
Individual Tire Pressure Monitoring System (TPMS)	S	S	S	s
LATCH (Lower Anchors and Tether Anchors for Children)	S	S	s	s
MyKey	S	S	S	s
Perimeter alarm	S	S	S	s
Personal Safety System	S	S	S	s
Rear view camera	S	S	S	S
SecuriLock Passive Anti-Theft System	S	S	S	S
SOS Post-Crash Alert System	S	S	S	S
Steering column lock — electronic (std. on Convertible; opt. on Fastback)	О	0	0	0
Wheel locking kit (std. on Convertible; opt. on Fastback)	0	0	0	0

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^{— =} NA

Models & Packages

12-volt powerpoints (2) Adaptive cruise control (includes Pre-collision Assist with Pedestrian Detection and automatic emergency braking; incl. in Ford Safe & Smart Package) Audio/Entertainment HD Radio™ (incl. in 201A and 401A) Shaker™ Pro system with 12 speakers, includes HD Radio Single-CD/MP3 with 6 speakers Single-CD/MP3 with 9 speakers and amplifier (incl. in 101A and 301A) SiriusXM® Satellite Radio (incl. in 101A and 301A) BLIS (Blind Spot Information System) with cross-traffic alert (incl. in Ford Safe & Smart Package) Cabin air filter Climate control	s	S O	S	S O
automatic emergency braking; incl. in Ford Safe & Smart Package) Audio/Entertainment HD Radio™ (incl. in 201A and 401A) Shaker™ Pro system with 12 speakers, includes HD Radio Single-CD/MP3 with 6 speakers Single-CD/MP3 with 9 speakers and amplifier (incl. in 101A and 301A) SiriusXM® Satellite Radio (incl. in 101A and 301A) BLIS (Blind Spot Information System) with cross-traffic alert (incl. in Ford Safe & Smart Package) Cabin air filter		0	_	0
HD Radio™ (incl. in 201A and 401A) Shaker™ Pro system with 12 speakers, includes HD Radio Single-CD/MP3 with 6 speakers Single-CD/MP3 with 9 speakers and amplifier (incl. in 101A and 301A) SiriusXM® Satellite Radio (incl. in 101A and 301A) BLIS (Blind Spot Information System) with cross-traffic alert (incl. in Ford Safe & Smart Package) Cabin air filter				
Shaker™ Pro system with 12 speakers, includes HD Radio Single-CD/MP3 with 6 speakers Single-CD/MP3 with 9 speakers and amplifier (incl. in 101A and 301A) SiriusXM® Satellite Radio (incl. in 101A and 301A) BLIS (Blind Spot Information System) with cross-traffic alert (incl. in Ford Safe & Smart Package) Cabin air filter				
Single-CD/MP3 with 6 speakers Single-CD/MP3 with 9 speakers and amplifier (incl. in 101A and 301A) SiriusXM® Satellite Radio (incl. in 101A and 301A) BLIS (Blind Spot Information System) with cross-traffic alert (incl. in Ford Safe & Smart Package) Cabin air filter			_	0
Single-CD/MP3 with 9 speakers and amplifier (incl. in 101A and 301A) SiriusXM® Satellite Radio (incl. in 101A and 301A) BLIS (Blind Spot Information System) with cross-traffic alert (incl. in Ford Safe & Smart Package) Cabin air filter		0	_	0
SiriusXM® Satellite Radio (incl. in 101A and 301A) BLIS (Blind Spot Information System) with cross-traffic alert (incl. in Ford Safe & Smart Package) Cabin air filter	0	_	s	_
BLIS (Blind Spot Information System) with cross-traffic alert (incl. in Ford Safe & Smart Package) Cabin air filter		S	0	S
Package) Cabin air filter	О	S	0	S
	_	0	_	0
Climate control	S	S	S	S
	-1	,		
Dual-zone electronic automatic temperature control (incl. in 101A and 301A)	О	S	0	s
Single-zone, manual	S	_	s	_
Console — front center				
Electronic-locking (std. on Convertible; opt. on Fastback)	О	S/O	0	S/O
Full armrest	S	S	s	S
Cruise control — steering wheel-mounted	S	S	s	S
Cupholders (2)	S	S	S	S
Door locks — Autolock/Autounlock	S	S	s	S
Easy Fuel capless fuel filler	S	S	s	S
Floor mats				
Carpeted front, black	S	S	s	S
Premium carpeted with Ebony embroidered Pony logo (incl. in Pony Package)	О	0	0	_
Premium floor liners	О	0	0	0
Fog lamps — light-emitting diode (LED) (NA on 050A)	_	S	S	S
Footrest — driver left	S	S	s	S
Glove box — locking, illuminated	S	S	S	S
Headlamps				
Automatic high-beam (incl. in Safe & Smart Package)				
Windshield wiper-activated LED with signature lighting	_	0	_	0

12" LCD digital instrument cluster	_	0	-	0
4.2" LCD message center in instrument cluster	S	S	S	S
Gauge Pack (incl. in EcoBoost Performance and GT Performance Packages)	0	0	0	0
Oil pressure and boost (EcoBoost)				
Oil pressure and vacuum (GT)				
ntelligent Access with push-button start	S	S	S	S
ane Keeping System (incl. with Ford Safe & Smart Package)	_	0	_	0
Airror, interior — auto-dimming rearview	S	S	S	S
dirrors — exterior sideview		Л		
Dual power with integrated blind spot mirror	S	S	S	S
Heated with integrated turn signal indicators and Pony projection lamps	_	S	_	S
Memory (incl. in Ford Safe & Smart Package)	0	О	0	0
lavigation System — voice-activated with SiriusXM Traffic and SiriusXM Travel Link [®] Services	_	0	-	0
Remote Start System (automatic transmission only)	0	0	0	0
Reverse Sensing System	0	S	S	S
Seating				
Cloth	S	_	S	_
Driver 4-way manual	S	_	_	_
Driver 6-way power with power lumbar (incl. in 101A)	0	s	S	S
Driver memory (3 settings; incl. in Ford Safe & Smart Package)	_	0	_	0
Front-passenger 2-way manual	S	_	_	_
Front-passenger 6-way power (incl. in 101A)	0	S	S	S
Heated/cooled front	_	S	_	S
Leather-trimmed front	_	S	_	S
Rear 50/50 split-fold (Fastback only)	S	S	s	S
RECARO® leather-trimmed sport seats with manual adjustment (Fastback only; <u>does not</u> include memory, power features, adjustable head restraints or heated and ventilated (cooled) feature)	-	0	-	0
Steering column				
Electronic locking (std. on Convertible; opt. on Fastback)	0	S/O	О	S/O
Manual tilt/telescoping	S	S	S	S
Steering Wheel				
Cruise and audio controls	S	S	S	S
Heated	_	О		0
storage — driver/front-passenger seat back map pockets (NA with RECARO seats)	S	S	S	S

SYNC	S	_	S	_
SYNC 3 (incl. in 101A and 301A)	О	S	0	S
SYNC Connect powered by FordPass and WiFi® hotspot	_	0	_	0
Taillamps — LED	S	S	S	S
Universal garage door opener	_	S	_	S
Visors — driver/front-passenger illuminated mirrors	S	S	s	S
Windows — power with one-touch-up/-down and global open	S	S	s	S
Windshield wipers				
Rain-sensing (incl. in Ford Safe & Smart Package)	_	0	_	О
Variable intermittent	S	S	s	S

S = Standard

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-=NA

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Quality/Reliability/Durability

2018 Mustang

Models & Packages

Quality/Reliability/Durability	EcoBoost	EcoBoost Premium	GT	GT Premium
Active noise control (2.3L EcoBoost only)	S	S	_	_
Windshield — acoustic-laminate	S	S	S	S

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Models & Packages

Design/Styling	EcoBoost	EcoBoost	GT	GT
		Premium		Premium
Alcantara door and seat inserts (incl. in Carbon Sport Interior Package)		0	_	0
Ambient lighting with MyColor (incl. on 301A)	_	S	0	S
Badging)	1	
"5.0" on fender	_	_	S	S
Black front and rear pony badges (incl. in EcoBoost Black Accent Package)	0	0	_	_
Black "GT," "5.0" and Pony (incl. in GT Black Accent Package)	_	_	0	0
"GT" between taillamps	_	_	s	S
Monochrome tri-bar at rear (incl. with Pony Package; late availability)	_	0	_	_
"Mustang" on instrument panel	S	S	s	S
Running Pony between taillamps	S	S	_	_
Beltline and window surround — bright (incl. in Pony Package on Fastback only; late availability)	_	0	_	_
Exhaust tips — bright	н		,	,
Dual exit, rolled tips	S	S	_	_
Dual with quad tips	_	_	s	S
Exterior colors — premium	В		,,	
Orange Fury Metallic Tri-coat (NL)	0	О	О	О
Ruby Red Metallic Tinted Clearcoat (RR)	0	0	0	0
Triple Yellow Tri-coat (H3)	0	0	0	0
Front park/turn lamps — light-emitting diode (LED)	S	S	S	S
Grille				
Unique upper and lower with Pony logo	S	S	_	_
Unique High-gloss Black-painted with Pony logo	_	_	S	S
Hood with air vents	_	_	S	S
Illuminated sill plates	_	S	_	S
Mirrors — exterior sideview with body-color caps	S	S	s	S
Painted black roof (Fastback only, req's Black Accent Package; NA with 673; NA with Shadow Black exterior paint)	0	0	0	0
Parking brake lever — leather-wrapped	S	S	s	S
Pedal covers — aluminum	_	S	_	S
Rear air diffuser	_	S	_	S
Shift knob				

Carbon fiber (incl. in Carbon Sport Interior Package)	_	0		0
Leather-wrapped	S	S	S	S
ide stripe	0	0		_
Ebony or Silver beltline (Incl. in Wheel and Stripe Package)	0	0		_
Ebony or White rocker (Incl. in Pony Package, late availability)	0	0		_
poiler				
Black (incl. in Black Accent Package)	О	0	0	0
Blade decklid, body-color (incl. in 101A)	0	S		_
Raised blade decklid	_	_	S	S
poiler delete	0	0	0	0
teering wheel — leather-wrapped	S	S	S	S
rim — interior			n	
Angled Brush aluminum instrument panel	_	S	_	S
Bright door speakers and instrument cluster surrounds	-	S	S	S
Carbon fiber instrument panel applique	-	0		0
Carbon Zag aluminum instrument panel applique	S	_		_
Chrome accent cluster	S	_	S	_
Silver Arrow aluminum instrument panel applique	0	_	S	_
Ebony environment, color-accented leather-trimmed seats and unique door trim (incl. in Premier Trim with Color Accent Group)	-	0	_	0
Engine Turn instrument panel (incl. in EcoBoost Performance and GT Performance Packages)	0	0	0	0
Premium door trim	_	S	_	S
Satin finish cupholders and register vents	_	S	S	S
Soft door rollover	_	S		S
/heels				
17" Sparkle Silver-painted aluminum	S	_	_	_
18" machined face aluminum with high-gloss Ebony Black-painted pockets	— (100A)	S	S	S
	S (101A)			
18" machined face aluminum with low-gloss Ebony Black-painted pockets (NA with 60B, 60W, 67E, 94B, 673 or 67G)	0	-	0	-
19" Ebony Black-painted aluminum (60B; incl. in Black Accent Package)	0	0	0	0
19" Ebony Black-painted aluminum (67G; incl. in GT Performance Package)	_	_	0	0
19" low-gloss Ebony Black-painted aluminum (67E; incl. with EcoBoost Perf. Package)	0	0		_
19" machined face aluminum with Dark Tarnish Stainless-painted pockets (644; incl. in Wheel and Stripe Package)	0	0	-	_
19" polished aluminum (54P; incl. in Pony Package; late availability)	_	0	_	_

19" polished aluminum (648) (NA with 54P, 60B, 60W, 67E, 94B, 673 or 67G)	O (101A)	0	_	0
19" Dark Tarnish Stainless-painted aluminum (incl. in GT Performance Package Level 2 [late availability])	_	_	0	0
19" premium Luster Nickel-painted forged aluminum (64L/647; opt. with EcoBoost and GT Performance Packages [late availability]) (NA with 60B, 60W, 66W, 673 or 94B)	0	0	0	0
20" premium painted aluminum (NA with 54P, 60B, 60W, 67E, 94B, 673, 67G or 66W)	_	0	_	0

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Models & Packages

		u-		
Equipment Groups & Packages	EcoBoost	EcoBoost Premium	GT	GT Premium
Equipment Group 100A All standard equipment	S	_	_	_
Equipment Group 101A	0	_	_	_
All 100A equipment, plus:				
9-speaker audio system				
"Silver Arrow" instrument panel finish				
Dual zone automatic temperature control				
 Remote Start System (requires automatic transmission) 				
Reverse Sensing System				
Blade decklid body-color spoiler				
Driver 6-way power seat with power lumbar				
Passenger 6-way power seat				
 Selectable Drive Modes with toggle switches 				
SiriusXM [®] satellite radio				
• SYNC 3				
Wheels-18" machined face aluminum with high-gloss Ebony Black-painted pockets				
Tires- P235/50R 18 All-season BSW				
Equipment Group 200A All standard equipment	_	S	_	_
Equipment Group "Premium Plus" 201A, all 200A equipment, plus:	<u> </u>	О	_	_
12" LCD digital instrument cluster with MyColor				
Heated steering wheel				
Premier trim with color accent group				
 Hand stitched center console lid 				
 Wrapped knee bolsters with accent stitching and shifter boot 				
 Premium floor mats with accent stitching 				
 Color-accented leather-trimmed seats 				
 Linked Graphite aluminum instrument panel trim 				
 Unique color-accented door trim 				
 Wrapped center console with accent stitching 				
SYNC Connect				
Voice-Activated Touchscreen Navigation System				
Equipment Group 300A	_	_	S	_
All standard equipment				
Equipment Group 301A	_	_	0	_
All 300A equipment, plus:				
9-speaker audio system				
Ambient Lighting with MyColor				
Dual zone automatic temperature control				
 Selectable Drive Modes with toggle switches 				
	I	II	II	II

SiriusXM satellite radio SYNC 3				
Equipment Group 400A All standard equipment	_	_		S
Equipment Group "Premium Plus" 401A, all 400A equipment, plus:	_	_	1-1	0
12" LCD digital instrument cluster with MyColor				
Heated steering wheel				
Premier trim with color accent group				
- Hand stitched center console lid				
Wrapped knee bolsters with accent stitching and shifter boot				
Premium floor mats with accent stitching				
Color-accented leather-trimmed seats				
Linked Graphite aluminum instrument panel trim				
Unique color-accented door trim				
- Wrapped center console with accent stitching				
SYNC Connect				
 Voice-Activated Touchscreen Navigation System 				
Packages				
Black Accent Package (60B) (NA with 60W, 67E, 641, or 648 on EcoBoost; NA with 54P, 60W, 67E 648 or 649 on EcoBoost Premium; NA with 67G, 673, 641 or 647 on GT; NA with 67G, 673, 647, 648, or 649 on GT Premium) 19" Ebony Black-painted aluminum wheels	0	0	0	0
Black decklid spoiler				
Black front and rear Pony badges (EcoBoost)				
Black GT, 5.0 and Pony badges (GT)				
Painted black roof (94B) required at extra cost, except with Shadow Black exterior color				
Carbon Sport Interior Package (68C)	_	0		0
Alcantara door inserts				
Alcantara seat inserts				
Carbon fiber instrument panel trim				
Carbon fiber shift knob				
EcoBoost Performance Package (67E) (NA with 60B, 60W, 94B, 66W, 641 or 648 on EcoBoost; NA with 54P, 60B, 60W, 94B, 66W, 648 or 649 on EcoBoost Premium) 19" x 9" low-gloss Ebony Black-painted aluminum wheels	0	0		_
 255/40R19 summer-compound performance tires 				
 3.55:1 TORSEN[®] limited-slip rear axle 				
Black-painted strut tower brace				
 Engine Turn aluminum instrument panel trim 				
Gauge Pack (incl. oil pressure and boost gauges)				
Heavy-duty front springs				
K-brace				
 Larger brake rotors with 4-piston front brake calipers 				
Larger radiator				
Larger rear stabilizer bar				
		1		
Performance rear wing (fastback only)	1	1		

Unique chassis tuning Unique EPAS calibration				
Enhanced Security Package (43S) (std. on Convertible; opt. on Fastback)	0	S/O	0	S/O
Active Anti-Theft System		J. J.		J. J
Electronic-locking center console				
Electronic steering column lock				
Wheel locking kit				
Ford Safe and Smart Package	_	0		0
Adaptive Cruise Control				
Auto high beam headlamps				
BLIS (Blind Spot Information System) with Cross Traffic Alert				
Lane Keeping System				
Memory driver seat (3 settings)				
Pre-collision Assist with Pedestrian Detection				
Automatic emergency braking				
Forward Collision Warning with Brake Support				
Rain-sensing windshield wipers				
GT Performance Package (67G) (NA with 60B, 673, 94B, 66Wor 641 on GT; NA with 60B, 673, 94B, 66W 648 or 649 on GT Premium) 19" x 9" front and 19" x 9.5" rear Ebony Black-painted aluminum wheels	-	_	О	0
255/40R19 front and 275/40R19 rear summer-compound performance tires				
Brembo™ 6-piston front brake calipers with larger rotors				
Engine Turn aluminum instrument panel trim				
Gauge Pack (incl. oil pressure and vacuum gauges)				
Heavy-duty front springs				
High-performance radiator				
K-brace				
Larger front and rear stabilizer bars				
Performance rear wing (Fastback only)				
Silver-painted strut tower brace				
Spoiler delete (Convertible only)				
TORSEN® helical differential with 3.55:1 limited-slip rear axle (automatic transmission)				
TORSEN helical differential with 3.73:1 limited-slip rear axle (manual transmission)				
Unique AdvanceTrac and ABS calibration				
Unique chassis tuning				
Unique EPAS calibration				
Pony Package (54P; late availability) (NA with 60B, 648, 67E or 49B)		0		_
19-inch polished aluminum wheels				
Bright beltline and window surround (Fastback only)				
Premium carpeted floor mats with Ebony embroidered Pony logo				
■ Side rocker stripes				
Tri-bar Pony badge				
Unique bright upper grille (Pony logo with corral design)				
Wheel and Stripe Package (60W) (NA with 67E or 601; NA with 67E, 54P, 649 or 641 on EcoBoost Premium)	0	0	_	-

- 19" machined-face aluminum wheels with Dark Tarnish Stainless-painted pockets
 Side beltline stripes
- S = Standard
- O = Available as a stand-alone option, part of a package or part of an Equipment Group
- = NA
- (1) Not available with RECARO $^{\! \rm B}$ seats.

NOTE: The above information is an excerpt to be used with the 7/24/17 Mustang Dealer Ordering Guide. For more information and the latest Dealer Ordering Guide, go to **fmcdealer.com**.

Specs 2018 Mustang

Use the menu on the left — or the Menu button on your smartphone — to select and view information related to wheels, exterior colors and interior trim. Key product specifications include vehicle dimensions and capacities, detailed engine information, transmission gear ratios and more.





Specs > Key Product Specifications

Model	Fastback	Convertible
Wheelbase	107.1	107.1
Length	188.5	188.3
Height	54.3	54.9
Width (without mirrors)	75.4	75.4
Track (front/rear)	62.4/65.1	62.4/65.1
Base Curb Weight (approx. lbs.)		
Manual Transmission		
	3542 (EcoBoost)	3706 (EcoBoost)
	3705 (GT)	3891 (GT)
Automatic Transmission		
	3535 (EcoBoost)	3712 (EcoBoost)
	3733 (GT)	3904 (GT)

(1) Dimensions are in inches unless otherwise specified.

 $\textbf{NOTE:} \ \textbf{For product features, please see Models \& Packages and/or the Dealer Ordering Guide for availability.}$

Front/Rear Seating⁽¹⁾

2018 Mustang

Specs > Key Product Specifications

Model	Fastback	Convertible
Seating Capacity	4	4
Head Room (front/rear)	37.6/34.8	37.6/35.7
Shoulder Room (front/rear)	56.3/52.2	56.3/44.7
Hip Room (front/rear)	54.9/47.4	54.9/43.7
Leg Room (front/rear)	45.1/29.0	45.1/29.2

(1) Dimensions are in inches unless otherwise specified.

Specs > Key Product Specifications

Model	Fastback	Convertible		
Passenger Volume (cu. ft.)	82.8	79.2		
Luggage Capacity (cu. ft.)	13.5	11.4		
EPA Interior Volume (cu. ft.)	98.0 92.2			
Fuel Tank Capacity (gal.)	16.0 (5.0L Ti-VCT V8) 15.5 (2.3L EcoBoost)			

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

Engine 2018 Mustang

Specs > Key Product Specifications

Engine				
Driveline Layout	Front engine, rear-drive (RWD)			
Engine Type	2.3L EcoBoost	5.0L Ti-VCT V8		
Displacement (liters/cu. in.)	2.3/140	5.0/302		
Horsepower @ rpm	310 @ 5500 ⁽¹⁾	460 @ 7000 ⁽¹⁾		
Torque (lbft.) @ rpm	350 @ 3000 ⁽¹⁾	420 @ 4600 ⁽¹⁾		
Compression Ratio	9.5:1	11.0:1		
Bore and Stroke (in.)	3.45 x 3.7	3.63 x 3.65		
Induction	Single twin-scroll turbocharger	Naturally aspirated		
Fuel System	Direct-injection	Sequential multiport		
Fuel Requirement (octane)	87 (min.)/91+ (rec.)	87 (min.)/91+ (rec.)		
Exhaust Manifolds	3-port integrated into aluminum head	Stainless steel tubular headers		
Exhaust, stainless steel	Single, dual exit w/catalytic converters	Dual w/catalytic converters		

(1) Horspower and torque ratings achieved with 93-octane fuel.

Specs > Key Product Specifications

Engine/Transmission	City/Hwy/Combined mpg
2.3L EcoBoost/6-speed manual (Fastback)	TBD
2.3L EcoBoost/6-speed manual (Convertible)	TBD
2.3L EcoBoost/6-speed manual (Performance Package)	TBD
2.3L EcoBoost/10-speed SelectShift automatic (Performance Package)	TBD
2.3L EcoBoost/10-speed SelectShift automatic (Fastback)	TBD
2.3L EcoBoost/10-speed SelectShift automatic (Convertible)	TBD
5.0L Ti-VCT V8/6-speed manual (Fastback)	TBD
5.0L Ti-VCT V8/6-speed manual (Convertible)	TBD
5.0L Ti-VCT V8/10-speed SelectShift automatic (Fastback)	TBD
5.0L Ti-VCT V8/10-speed SelectShift automatic (Convertible)	TBD
5.0L Ti-VCT V8/6-speed manual (Performance Package)	TBD

(1) Actual mileage will vary.

 $\textbf{NOTE:} \ \text{For product features, please see Models \& Packages and/or the Dealer Ordering Guide for availability.}$

Transmission 2018 Mustang

Specs > Key Product Specifications

Transmission		
Туре	6-speed manual 10-speed SelectShift automatic	
Final Drive Ratio	3.15:1 (Ecoboost auto., GT auto., GT Premium auto.) 3.31:1 (Standard Ecoboost man., EcoBoost Premium, GT man./GT Premium man.) 3.55:1 (GT and GT Premium; included in EcoBoost Performance Package) 3.73:1 (Included in GT Performance Package)	

Gear Ratios 2018 Mustang

Specs > Key Product Specifications

Gear Ratios											
Gears	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	Rev.
EcoBoost Manual	4.24:1	2.56:1	1.66:1	1.24:1	1.00:1	0.70:1	_	_	_	_	3.84:1
V8 Manual	3.66:1	2.43:1	1.69:1	1.32:1	1.00:1	0.65:1	_	_	_	_	3.32:1
SelectShift Automatic	4.69:1	2.98:1	2.14:1	1.76:1	1.52:1	1.27:1	1.00:1	0.85:1	0.68:1	0.63:1	4.86:1

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

Front Suspension

2018 Mustang

Specs > Key Product Specifications

Front Suspension		
Туре	MacPherson strut with double lower ball joints and stabilizer bar	
Springs	Coil	
Shock Absorbers	Integral strut, gas charged hydraulic	
Stabilizer Bar Diameter	1.26"	

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

Rear Suspension

2018 Mustang

Specs > Key Product Specifications

Rear Suspension		
Туре	Independent integral-link with coil springs, shock absorbers and stabilizer bar	
Springs	Coil	
Shock Absorbers	Gas charged monotube	
Stabilizer Bar Diameter	0.80"	

 $\textbf{NOTE:} \ \textbf{For product features}, \textbf{please see Models \& Packages and/or the Dealer Ordering Guide for availability}.$

Steering 2018 Mustang

Specs > Key Product Specifications

Steering	
Туре	Rack-and-pinion
Assist	 Electric power-assisted (EPAS) Driver-selectable effort (Comfort, Normal and Sport) Pull-drift compensation Active nibble control
Overall Ratio	16:1
Turning Diameter, Curb-to-Curb (ft.)	36.5 (17" wheels) 37.8 (18" and 19" wheels) 40.0 (GT Track Package and 20" wheels)

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

Brakes 2018 Mustang

Specs > Key Product Specifications

Brakes	
Standard	4-wheel disc with Anti-Lock Brake System (ABS), brake assist and electronic brakeforce distribution (EBD)

 $\textbf{NOTE:} \ For \ product \ features, please see \ Models \ \& \ Packages \ and/or \ the \ Dealer \ Ordering \ Guide \ for \ availability.$

Trailer Towing⁽¹⁾

2018 Mustang

Specs > Key Product Specifications

Trailer Towing				
Towing Class	Light Duty Class I			
Gross Trailer Weight (lbs.)	1000 max.			
Tongue Load (lbs.)	100 max.			
Hitch Design	Load-carrying type			

(1) See the RV & Trailer Towing Guide, available on **eSourceBook** as a printable PDF, or the vehicle owner manual for additional towing information.

Specs > Key Product Specifications

- Four-wheel-down towing, also known as flat/neutral towing, refers to towing a vehicle with all four of its wheels on the ground for example, when towing a vehicle behind an RV (recreational towing)
 - Mustang does not offer four-wheel-down capability
- Flatbed equipment must be used
- Refer to the RV & Trailer Towing Guide and the vehicle owner manual for complete details and restrictions

Engine	Four-wheel-	down Capability	Dolly-tow Capability	Emergency Towing ⁽¹⁾ (Recommended)	
Eligille	Manual	Automatic	RWD	Emergency rowing (Recommended)	
2.3 EcoBoost	No	No	No	Wheel lift or flatbed equipment	
5.0L Ti-VCT V8	No	No	No	wheet art of flatbed equipment	

^{-- =} Not available

(1) In an emergency only, the vehicle 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.

Specs

Wheel	EcoBoost	EcoBoost Premium	GT	GT Premium
17" Sparkle Silver-painted aluminum	Standard	_	_	-
18" machined face aluminum with high-gloss Ebony Black-painted pockets	Included in EcoBoost 101A	Standard	Standard	Standard
18" machined face aluminum with low-gloss Ebony Black-painted pockets	Optional	_	Optional	_
19" Ebony Black-painted aluminum	Included in Black Accent Package	Included in Black Accent Package	Included in Black Accent Package	Included in Black Accent Package
19" low-gloss Ebony Black-painted aluminum	Included in EcoBoost Performance Package	Included in EcoBoost Performance Package	_	-
19" Ebony Black-painted aluminum	-	_	Included in GT Performance Package	Included in GT Performance Package

19" machined face aluminum with Dark Tarnish Stainless-painted pockets	Included in Wheel and Stripe Package	Included in Wheel and Stripe Package	_	_
19" premium Luster Nickel- painted forged aluminum	Optional with EcoBoost Performance Package	Optional with EcoBoost Performance Package	Optional with GT Performance Package	Optional with GT Performance Package
19" polished aluminum	Opt (101A)	Optional	_	Optional
19" polished aluminum	_	Included in Pony Package (late availability)	_	_
19" Dark Tarnish Stainless- painted aluminum	_	_	Included in GT Performance Package Level 2 (late availability)	Included in GT Performance Package Level 2 (late availability)
20" Premium-painted aluminum	_	Optional	_	Optional



 $\textbf{NOTE:} \ \text{For product features, please see Models \& Packages and/or the Dealer Ordering Guide for availability.}$

EcoBoost 2018 Mustang

Specs > Color and Trim Availability

	Model	EcoBoost 1	100A-101A	
Paint Name	Material	Clo	oth	
Paint Name	Color	Ebony	Dark Ceramic	
	Order Code	21	22	
Ingot Silver ⁽¹⁾	UX	-	•	
Kona Blue ⁽¹⁾ — New	L6	-	-	
Lightning Blue ⁽¹⁾	N6	-	-	
Magnetic ⁽¹⁾	J7	-	-	
Orange Fury Metallic Tri-coat ⁽²⁾ — New	NL	-	•	
Oxford White	YZ	-	-	
Race Red	PQ	-	-	
Royal Crimson Metallic Tinted Clearcoat ⁽²⁾ — New	R3	•	•	
Ruby Red Metallic Tinted Clearcoat ⁽²⁾	RR	-	•	
Shadow Black	G1	•	•	
Triple Yellow Tri-coat ⁽²⁾	НЗ	-	_	

⁽¹⁾ Metallic paint.

⁽²⁾ Extra-cost option.

Specs > Color and Trim Availability

	Model	EcoBoost Premium 200A			Carbon Sport Interior Package 200A	EcoBoost Premium 201A with Premier Trim with Color Accent Group		
Doint Name	Material	Le	ather-trimme	ed	Leather- trimmed	Leather-trimmed		
Paint Name =	Color	Ebony	Ceramic	Tan	Ebony w/Alcantara	Ebony w/"Metal Gray" Stitch	Showstopper Red	Midnight Blue w/Grabber Blue Stitch
	Order Code	41 (RECARO®; S1)	42	4C	JΊ	51 (RECARO; S1)	5W (RECARO; SW)	5X (RECARO; SX)
Ingot Silver ⁽¹⁾	UX	_	•		-			
Kona Blue ⁽¹⁾ — New	L6	•	-	•	-	•		•
Lightning Blue ⁽¹⁾	N6	-	-	-	-	•	-	-
Magnetic ⁽¹⁾	J7	-	-	•	-	•	-	-
Orange Fury Metallic Tri-coat ⁽²⁾ — New	NL	•	•	-	•	•	_	_
Oxford White	YZ	-	-	•	-	•	-	•
Race Red	PQ	-	-	_	-	-	-	•
Royal Crimson Metallic Tinted Clearcoat ⁽²⁾ — New	R3	•	•	•	•	•	_	_
Ruby Red Metallic Tinted Clearcoat ⁽²⁾	RR	-	-	•	-	•	-	_
Shadow Black	G1	-	-	•	-	-	_	•
Triple Yellow Tri-coat ⁽²⁾	Н3	-	_	_	-	=	_	_

⁽¹⁾ Metallic paint.

⁽²⁾ Extra-cost option.

Specs > Color and Trim Availability

	Model	GT 300	Performance Package Level 2 (301A; late availability)	
Paint Name	Material	Clo	oth	Cloth
	Color	Ebony	Dark Ceramic	Ebony
	Order Code	21 (RECARO; 31)		RECARO; S1
Ingot Silver ⁽¹⁾	UX	•	•	•
Kona Blue — New	L6	•	•	•
Lightning Blue ⁽¹⁾	N6	•	•	•
Magnetic ⁽¹⁾	J7	•	•	•
Orange Fury Metallic Tri-coat ⁽²⁾ — New	NL	•	•	•
Oxford White	YZ	•	•	•
Race Red	PQ	•	•	•
Royal Crimson Metallic Tinted Clearcoat ⁽²⁾ — New	R3	•	•	-
Ruby Red Metallic Tinted Clearcoat ⁽²⁾	RR	•	•	•
Shadow Black	G1	•	•	•
Triple Yellow Tri-coat ⁽²⁾	Н3	•	_	•

⁽¹⁾ Metallic paint.

⁽²⁾ Extra-cost option.

GT Premium 2018 Mustang

Specs > Color and Trim Availability

	Model	GT Premium 400A			Carbon Sport Interior Package	GT Premium 401A with Premier Trim with Color Accent Group		
	Material	Le	eather-trimme	ed	Leather- trimmed	Leather-trimmed		
Paint Name	Color	Ebony	Ceramic	Tan	Ebony w/Alcantara	Ebony w/"Metal Gray" Stitch	Showstopper Red	Midnight Blue w/Grabber Blue Stitch
	Order Code	41 (RECARO; S1)	42	4C	JΊ	51 (RECARO; S1)	5W (RECARO; SW)	5X (RECARO; SX)
Ingot Silver ⁽¹⁾	ux	-	-	-	•	•	-	•
Kona Blue — New	L6	=	=	•	•	•	-	•
Lightning Blue ⁽¹⁾	N6	•	•	_	•	•	•	•
Magnetic ⁽¹⁾	J7	•	•	•	•	•	•	•
Orange Fury Metallic Tri-coat ⁽²⁾ — New	NL	•	•	_	•	•	_	_
Oxford White	YZ	-	•	•	•	•	-	•
Race Red	PQ	•	•	_	•	•	•	•
Royal Crimson Metallic Tinted Clearcoat ⁽²⁾ — New	R3	•	•	•	•	•	_	_
Ruby Red Metallic Tinted Clearcoat ⁽²⁾	RR	•	•	•	•	•	•	_
Shadow Black	G1	•	•	•	•	•	•	•
Triple Yellow Tri-coat ⁽²⁾	НЗ	-	_	_	-	-	_	_

⁽¹⁾ Metallic paint.

⁽²⁾ Extra-cost option.

Specs

	Model	Pony Packag availa		Wheel & Stripe Package (60W)	
Paint Name	Color	Ebony	White	Ebony	Silver
	Order Code	85B	85A	85B	855
Ingot Silver ⁽¹⁾	ux	-	_	-	_
Kona Blue ⁽¹⁾ — New	L6	•	•	-	•
Lightning Blue ⁽¹⁾	N6	•	•	-	•
Magnetic ⁽¹⁾	J7	•	-	-	•
Orange Fury Metallic Tri-coat ⁽²⁾ — New	NL	•	•	•	_
Oxford White	YZ	•	_	•	•
Race Red	PQ	•	•	•	•
Royal Crimson Metallic Tinted Clearcoat ⁽²⁾ — New	R3	•	•	•	_
Ruby Red Metallic Tinted Clearcoat ⁽²⁾	RR	•	•	-	•
Shadow Black	G1	_	•		•
Triple Yellow Tri-coat ⁽²⁾	НЗ	•	_	•	_
White Platinum Metallic Tri-coat ⁽²⁾ — New	UG	•	_	-	_

⁽¹⁾ Metallic paint.

(2) Extra-cost option.

Interior Trim 2018 Mustang

Specs

Model	Style/Material	Description
EcoBoost	Cloth	Front bucket seats and rear 50/50 split-fold bucket seat (Fastback only)
EcoBoost Premium	Leather-trimmed (Front only)	Front bucket seats and rear 50/50 split-fold bucket seat (Fastback only)
GT	Cloth	Front bucket seats and rear 50/50 split-fold bucket seat (Fastback only)
GT Premium	Leather-trimmed (Front only)	Front bucket seats and rear 50/50 split-fold bucket seat (Fastback only)

NOTE: For product features, please see Models & Packages and/or the Dealer Ordering Guide for availability.

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