

2019 FORD MUSTANG

TECHNICAL SPECIFICATIONS



MODEL BODY	Mustang EcoBoost	Mustang GT	Bullitt	Shelby GT350
Construction/materials	Unitized welded steel body, aluminum hood and front fenders	Unitized welded steel body, aluminum hood and front fenders	Unitized welded steel body, aluminum hood and front fenders	Unitized welded steel body, aluminum hood and front fenders
Body style	Fastback coupe, convertible	Fastback coupe, convertible	Fastback coupe	Fastback coupe
Trim levels	EcoBoost, EcoBoost Premium	GT, GT Premium		GT350, GT350R
Final assembly location	Flat Rock, Michigan	Flat Rock, Michigan	Flat Rock, Michigan	Flat Rock, Michigan

DRIVETRAIN

Standard	Front-engine, RWD with limited-slip differential			
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ENGINE CONFIGURATION

Type	DOHC Ti-VCT Direct Injection Turbocharged I4	DOHC Ti-VCT Dual Fuel Port/ Direct Injection (PFDI) V8	DOHC Ti-VCT Dual Fuel Port/ Direct Injection (PFDI) V8	DOHC Ti-VCT Port Fuel Injection (PFI) V8
Block/head material	High pressure cast aluminum block and head	High pressure cast aluminum block and head	Die cast aluminum block and head with plasma transfer wire arc cylinder liners	Die cast aluminum block and head with plasma transfer wire arc cylinder liners
Displacement	138 cu. in. (2,300 cc.)	302 cu. in. (5,038 cc.)	302 cu. in. (5,038 cc.)	315 cu. in. (5,163 cc.)
Bore x stroke	3.45 in. x 3.7 in. (87.55 mm x 94 mm)	3.63 in. x 3.65 in. (93.0 mm x 92.7 mm)	3.63 in. x 3.65 in. (93.0 mm x 92.7 mm)	3.70 in. x 3.66 in. (94.0 mm x 93.0 mm)
Compression ratio	9.5:1	12.0:1	12.0:1	12.0:1
Valvetrain	DOHC, four valves per cylinder, twin independent variable camshaft timing	DOHC, four valves per cylinder, twin independent variable camshaft timing	DOHC, four valves per cylinder, twin independent variable camshaft timing	DOHC, four valves per cylinder, twin independent variable camshaft timing
Valve diameter/lift	Intake, 31 mm/8.9 mm; exhaust, 28.3 mm/7.8 mm	Intake, 37.7 mm/13 mm; exhaust, 32.0 mm/13 mm	Intake, 37.7 mm/13 mm; exhaust, 32.0 mm/13 mm	Intake, 38.3 mm/14 mm; exhaust, 32.5 mm/14 mm
Pistons	Cast aluminum	Cast aluminum	Cast aluminum	Forged aluminum
Connecting rods	Forged steel	Forged steel	Forged steel	Forged micro-alloyed steel
Crankshaft	Forged steel cross-plane	Forged steel cross-plane	Forged steel cross-plane	Forged steel flat-plane
Turbocharger	Twin scroll with overboost	N/A	N/A	N/A
Ignition system	Distributor-less with coil-on-plug	Distributor-less with coil-on-plug	Distributor-less with coil-on-plug	Distributor-less with coil-on-plug
Fuel delivery	Direct injection	Dual-fuel, high-pressure direct injection and low-pressure port fuel injection	Dual-fuel, high-pressure direct injection and low-pressure port fuel injection	Port fuel injection with twin high flow pumps
Engine control system	Powertrain control module	Powertrain control module	Powertrain control module	Powertrain control module
Intake manifold	Composite shell-welded with runner pack	Composite shell-welded with runner pack and charge motion control valves	Composite shell-welded with runner pack and charge motion control valves	Composite shell with scroll design and charge motion control valves
Exhaust manifold	Three-port integrated into aluminum head	Tubular stainless steel headers	Tubular stainless steel headers	Tubular stainless steel headers
Oil capacity/grade	Six quarts 5W-30 with filter (10,000-mile service interval)	10 quarts 5W-20 with filter (10,000-mile service interval)	10 quarts 5W-20 with filter (10,000-mile service interval)	10 quarts 5W-50 Full Synthetic with filter (5,000-mile service interval, 3,000 for heavy use)
Coolant capacity	13.6 quarts (12.88 liters)	13.6 quarts (12.88 liters)	9.5 quarts (8.96 liters)	15.2 quarts (14.4 liters)
SAE horsepower	310* @ 5,500 rpm *	460 @ 7,500 rpm *	480 @ 7,000 rpm *	526 @ 7,500 rpm *
SAE torque	350 lb.-ft. @ 3,000 rpm	420 lb.-ft. @ 4,600 rpm	420 lb.-ft. @ 4,600 rpm	429 lb.-ft. @ 4,750 rpm
Redline	—	—	—	8,250 rpm
Build location			Windsor Essex Engine Plant	Romeo Engine Plant

*Horsepower and torque ratings based on premium fuel per SAE J1349 standard. Your results may vary. For editorial use only. Information correct at time of publication. Check media.ford.com for updates.



TRANSMISSION	Mustang EcoBoost	Mustang GT	Bullitt	Shelby GT350
Standard 6-speed manual	Getrag	Getrag	Getrag	Tremec TR-3160
Gear ratios:				
1st	3.237:1	3.237:1	3.237:1	3.253:1
2nd	2.104:1	2.104:1	2.104:1	2.233:1
3rd	1.422:1	1.422:1	1.422:1	1.611:1
4th	1.000:1	1.000:1	1.000:1	1.243:1
5th	0.814:1	0.814:1	0.814:1	1.00:1
6th	0.622:1	0.622:1	0.622:1	0.629:1
Rev. matching Optional 10-speed SelectShift automatic	N/A	Yes	Yes	No
1st	4.696:1	4.696:1		
2nd	2.985:1	2.985:1		
3rd	2.146:1	2.146:1		
4th	1.769:1	1.769:1		
5th	1.520:1	1.520:1		
6th	1.275:1	1.275:1		
7th	1.000:1	1.000:1		
8th	0.854:1	0.854:1		
9th	0.689:1	0.689:1		
10th	0.636:1	0.636:1		
Final drive	3.15:1, 3:31.1, 3.55:1 TORSEN (Performance Package)	3.31:1, 3.55:1, 3.73:1 TORSEN (Performance Package with automatic), 3.73 TORSEN (Performance Package with manual)	3.73:1 TORSEN	3.73:1 TORSEN
Top speed (electronically limited)	121 mph, 145 mph EcoBoost Performance Package)	155 mph	163 mph	GT350 180 mph (RPM/Drag Limited) GT350R 173 mph (RPM/Drag Limited)

CHASSIS/SUSPENSION

Fully unitized steel chassis front engine, rear-wheel-drive configuration with fully-independent front/rear suspension and perimeter subframe. K-brace included on all convertible models, EcoBoost and GT Performance Packages and any model with 20-inch or larger wheels.

Front configuration	Double-ball-joint independent MacPherson strut and tubular stabilizer bar (optional MagneRide™ damping system)	Double-ball-joint independent MacPherson strut and tubular stabilizer bar (optional MagneRide™ damping system)	Double-ball-joint independent MacPherson strut with HD coil springs and tubular stabilizer bar (optional MagneRide™ damping system)	Double-ball-joint MacPherson strut and tubular stabilizer bar with MagneRide™ damping system
Rear configuration	Integral-link independent with coil springs, solid stabilizer bar and mono-tube dampers, optional MagneRide damping system	Integral-link independent with coil springs, solid stabilizer bar and mono-tube dampers, optional MagneRide damping system	Integral-link independent with coil springs, larger diameter solid stabilizer bar, and mono-tube dampers; (optional MagneRide™ damping system)	Integral-link independent with coil springs, tubular stabilizer bar with MagneRide™ damping system

STABILIZER BAR DIAMETERS

Fastback	32 mm front x 20 mm rear	32 mm front x 21.7 mm rear	—	—
Convertible	32 mm front x 20 mm rear	32 mm front x 20 mm rear	—	—
EcoBoost Performance Package	32 mm front x 21.7 mm rear	—	—	—
GT Performance Package	—	32 mm front x 22.2 mm rear	—	—
GT Performance Package Level 2	—	33.3 mm front x 24 mm rear	—	—
Bullitt	—	—	32 mm front x 22.2 mm rear	—
GT350/GT350R	—	—	—	34 mm front x 5.7 mm wall/ 34 mm front x 4.8mm wall/ 24 mm rear x 3.6mm wall



STEERING	Mustang EcoBoost	Mustang GT	Bullitt	Shelby GT350
Type	Three-mode electric power-assisted rack-and-pinion steering (EPAS) with pull-drift compensation and active nibble control	Three-mode electric power-assisted rack-and-pinion steering (EPAS) with pull-drift compensation and active nibble control	Three-mode electric power-assisted rack-and-pinion steering (EPAS) with pull-drift compensation and active nibble control	Three-mode electric power-assisted rack-and-pinion steering (EPAS)
Steering modes	Standard, Comfort, Sport	Standard, Comfort, Sport	Standard, Comfort, Sport	Normal, Sport, Comfort
Ratio	16:01	16:01	16:01	16:01
Turning circle, curb-to-curb	36.5 ft. (17-in.), 37.8 ft. (17-in., 18-in., 19-in. A/S tires); 40.0 ft. (20-in. tires)	37.8 ft. (18-in., 19-in. A/S tires); 40.0 ft. (20-in. A/S tires)	37.8 ft. (19-in. tires)	GT350, 41.6 ft. GT350R, 40.6 ft.
Active features	Optional MagneRide damping system	Optional MagneRide damping system	Optional MagneRide damping system	MagneRide damping system

BRAKES

Type	Four-wheel power disc brakes with four-sensor, four-channel antilock braking system and AdvanceTrac electronic stability control	Four-wheel power disc brakes with four-sensor, four-channel antilock braking system and AdvanceTrac electronic stability control	Four-wheel power disc brakes with four-sensor, four-channel antilock braking system and AdvanceTrac electronic stability control	Four-wheel power disc brakes with four-sensor, four-channel antilock braking system and AdvanceTrac electronic stability control
Front rotor configuration/diameter/thickness/material	320 mm (12.6 in.) x 30 mm vented discs, twin-piston 43 mm floating aluminum calipers; Performance Package: 352 mm (13.9 in.) x 32 mm vented discs	352 mm (13.9 in.) x 32 mm vented discs, four-piston 46 mm fixed aluminum calipers; Performance Package: 380 mm (15.0 in.) x 34 mm vented discs	352 mm (13.9 in.) x 32 mm vented discs, four-piston 46 mm fixed aluminum calipers; Performance Package: 380 mm (15.0 in.) x 34 mm vented discs	394 mm x 36 mm aluminum hat, floating-type vented discs, Brembo six-piston fixed aluminum calipers 34mm/36mm/38mm pistons
Front pad material				FM 4446/2
Front swept area				785.5 sq. mm
Performance Package configuration	Four-piston 46 mm fixed aluminum calipers	Brembo six-piston 36 mm fixed aluminum calipers	Brembo six-piston 36 mm fixed aluminum calipers	N/A
Rear type	Rear solid disc with floating iron calipers and integral parking brake	Rear solid disc with floating iron calipers and integral parking brake	Rear solid disc with floating iron calipers and integral parking brake	Rear vented discs, Brembo 4 piston fixed aluminum calipers 30mm/32mm pistons, drum-in-hat parking brake
Rear rotor/drum diameter	320 mm (12.6 in.) x 30 mm solid discs, single-piston 45 mm floating aluminum calipers; integral parking brake; Performance Package: 330 mm (15.0 in.) x 25 mm vented discs, single-piston 45 mm	320 mm (12.6 in.) x 30 mm solid discs, single-piston 45 mm floating aluminum calipers; integral parking brake; Performance Package: 330 mm (15.0 in.) x 25 mm vented discs, single-piston 45 mm	320 mm (12.6 in.) x 30 mm solid discs, single-piston 45 mm floating aluminum calipers; integral parking brake; Performance Package: 330 mm (15.0 in.) x 25 mm vented discs, single-piston 45 mm	380 mm x 26 mm vented discs
Rear caliper configuration	Floating iron calipers	Floating iron calipers	Floating iron calipers	Fixed aluminum calipers
Rear pad material				FM 4446/2
Rear swept area				514 sq. mm
Parking/emergency brake	Electric integral parking brake	Electric integral parking brake	Electric integral parking brake	Drum-in-hat

SAFETY/CONTROL SYSTEMS

ABS/stability control	AdvanceTrack with ESC, EPAS (standard), unique EPAS, ABS and stability control tuning (optional)	AdvanceTrack with ESC, EPAS (standard), unique EPAS, ABS and stability control tuning (optional)	ABS/AdvanceTrack with ESC/EPAS	ABS/AdvanceTrack with ESC/EPAS
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WHEELS

	Mustang EcoBoost	Mustang GT	Bullitt	Shelby GT350
Standard wheel/tire dimensions	17 in. x 7.5 in. 235/55RH A/S	18 in. x 8.0 in. 235/50R W A/S	19 in. five spoke heritage wheel (19 in. x 9 in.) (front) 19 in. x 9.5 in. (rear); P255/40R19 front, P275/40R19 rear summer-only tires	GT350 19-in. x 10.5-in. aluminum alloy, Michelin Pilot Sport Cup 2 295/35ZR19, front; 19-in. x 11.0-in. aluminum alloy, Michelin Pilot Sport Cup 2 305/35ZR19, rear GT350R 19-in. x 11.0-in. carbon fiber, Michelin Pilot Sport Cup 2 305/30R19 front, 19-in. x 11.5-in. carbon fiber, Michelin Pilot Sport Cup 2 315/30R19 rear
Optional	18 in. x 8.0 in. 235/50R W A/S; 19 in. x 8.5 in. 255/40R W A/S; 20 in. x 9.0 in. 265/35R W A/S; Performance Package: 19 in. x 9.0 in. 255/40R Y summer	19 in. x 8.5 in. 255/40R W A/S; 20 in. x 9.0 in. 265/35R W A/S; Performance Package (front) 19 in. x 9.0 in. 255/40R, (rear) 19 in. x 9.5 in. 275/40R Y Summer Performance Package Level 2 (front) 19 in. x 10.5 in. 305/30R, (rear) 19 in. x 11.0 in. 305/30R Y Summer	N/A	N/A
Spare	Mini spare wheel and tire (optional)	Mini spare wheel and tire (optional)	N/A	N/A

HEADLIGHTS

HID	N/A	N/A	N/A	Standard
LED	Standard	Standard	Standard	N/A
Auto on/off	Standard	Standard	Standard	Standard
LED daytime running lamps	Standard	Standard	Standard	HID headlamps with LED signature lighting
Auto high beam	Optional	Optional	N/A	N/A

EXTERIOR DIMENSIONS (inches unless otherwise noted)

Wheelbase	107.1	107.1	107.1	107.1
Overall length	188.5	188.5	188.5	GT350, 188.9/GT350R, 189.7
Overall width including mirrors	81.9	81.9	81.9	81.9
Overall width without mirrors	75.4	75.4	75.4	75.9
Overall height, fastback	54.3	54.3	54.3	GT350, 54.2/GT350R, 53.6
Overall height, convertible	54.9	54.9	N/A	N/A
Track width, front	62.4	62.4	62.4	GT350, 63.3/GT350R, 63.3
Track width, rear	65.1	65.1	65.1	GT350, 63.7/GT350R, 63.7
Ground clearance	5.7	N/A	N/A	N/A
Drag coefficient	N/A	N/A	N/A	N/A
Curb weight, fastback manual	3,542 lbs.	3,743 lbs.	3,850 lbs.	GT350 Track Pack 3,791 lbs./GT350R 3,703 lbs.
Curb weight, fastback automatic	3,535 lbs.	3,705 lbs.	N/A	N/A
Curb weight, convertible manual	3,706 lbs.	3,891 lbs.	N/A	N/A
Curb weight, convertible automatic	3,712 lbs.	3,904 lbs.	N/A	N/A



INTERIOR DIMENSIONS
(inches unless otherwise noted)

	Mustang EcoBoost	Mustang GT	Bullitt	Shelby GT350
Passenger volume, fastback	82.8 cu. ft.	82.8 cu. ft.	82.8 cu. ft.	GT350, 84.5 cu. ft. GT350R, 52.3 cu. ft.
Passenger volume, convertible	79.2 cu. ft.	79.2 cu. ft.	N/A	N/A
Cargo volume, fastback	13.5 cu. ft.	13.5 cu. ft.	13.5 cu. ft.	13.50 cu. ft.
Cargo volume, convertible	11.4 cu. ft.	11.4 cu. ft.	N/A	N/A
Seating capacity	4	4	4	GT350, 4/GT350R, 2
Front headroom	37.6	37.6	37.6	37.6
Front headroom, convertible	37.6	37.6	N/A	N/A
Front legroom, SAE	45.1	45.1	45.1	45.1
Front shoulderroom	56.3	56.3	56.3	56.3
Front hiproom	54.9	54.9	54.9	54.9
Rear headroom, fastback	34.8	34.8	34.8	GT350, 34.8/GT350R, N/A
Rear headroom, convertible	35.7	35.7	N/A	N/A
Rear legroom, SAE fastback	29	29	29	GT350, 30.6/GT350R, N/A
Rear legroom, SAE convertible	29.2	29.2	N/A	N/A
Rear shoulderroom, fastback	52.2	52.2	52.2	GT350, 52.2/GT350R, N/A
Rear shoulderroom, convertible	44.7	44.7	N/A	N/A
Rear hiproom, fastback	47.4	47.4	47.4	GT350, 47.4/GT350R, N/A
Rear hiproom, convertible	43.7	43.7	N/A	N/A
Passenger volume, fastback	82.8 cu. ft.	82.8 cu. ft.	82.8 cu. ft.	82.8 cu. ft.
Passenger volume, convertible	79.2 cu. ft.	79.2 cu. ft.	N/A	N/A
Trunk volume, fastback	13.5 cu. ft.	13.5 cu. ft.	13.5 cu. ft.	13.5 cu. ft.
Trunk volume, convertible	11.4 cu. ft.	11.4 cu. ft.	N/A	N/A

TECHNOLOGY

	Mustang EcoBoost	Mustang GT	Bullitt	Shelby GT350
Available on-road (drive modes)	Five driver selectable drive modes: Normal, Sport, Snow/Wet, Track, Drag Strip	Five driver selectable drive modes: Normal, Sport, Snow/Wet, Track, Drag Strip	Five driver selectable drive modes: Normal, Sport, Snow/Wet, Track, Drag Strip	Normal, Sport, Slippery
Available on-track (drag mode)	Line lock, Track Apps: Acceleration Timer, Accelerometer, Brake Performance, Lap Timer, Launch Control	Line lock, Track Apps: Acceleration Timer, Accelerometer, Brake Performance, Lap Timer, Launch Control	Line lock, Track Apps: Acceleration Timer, Accelerometer, Brake Performance, Lap Timer, Launch Control	Track, Drag Strip
Available in-cabin (SYNC 3)	SYNC 3, B&O Sound System by Bang & Olufsen	SYNC 3, B&O Sound System by Bang & Olufsen	SYNC 3, B&O Sound System by Bang & Olufsen	SYNC 3, B&O Premium Sound System by Bang & Olufsen
Available general	Available Ford Safe & Smart package includes adaptive cruise control, auto high beams, Lane-Keeping System, Pre-Collision Assist with automatic emergency braking, rain-sensing wipers, Blind Spot Information System	Available Ford Safe & Smart package includes adaptive cruise control, auto high beams, Lane-Keeping System, Pre-Collision Assist with automatic emergency braking, rain-sensing wipers, Blind Spot Information System	Available Bullitt Electronics Package includes Blind Spot Information System with cross-traffic alert, B&O Sound System by Bang & Olufsen, memory driver seat, mirrors, ambient lighting, voice-activated navigation	Available Technology Package includes B&O Premium Sound System, BLIS, mirrors, heated, memory, Voice-Activated Navigation



WARRANTY	Mustang EcoBoost	Mustang GT	Bullitt	Shelby GT350
Bumper-to-bumper	3 years/36,000 miles	3 years/36,000 miles	3 years/36,000 miles	3 years/36,000 miles
Powertrain	5 years/60,000 miles	5 years/60,000 miles	5 years/60,000 miles	5 years/60,000 miles
Corrosion	5 years/unlimited miles	5 years/unlimited miles	5 years/unlimited miles	5 years/unlimited miles
Safety restraint system	5 years/60,000 miles	5 years/60,000 miles	5 years/60,000 miles	5 years/60,000 miles
Roadside assistance	24-Hour/Day	24-Hour/Day	24-Hour/Day	24-Hour/Day

EPA-ESTIMATED RATINGS

2.3L EcoBoost/6-speed manual (Fastback)	21/31/25 City/Hwy/ Combined mpg	-	-	-
2.3L EcoBoost/6-speed manual (Convertible)	20/28/23 City/Hwy/ Combined mpg	-	-	-
2.3L EcoBoost/6-speed manual (Performance Package)	20/27/23 City/Hwy/ Combined mpg	-	-	-
2.3L EcoBoost/10-speed automatic (Fastback)	21/32/25 - City/Hwy/ Combined mpg	-	-	-
2.3L EcoBoost/10-speed SelectShift automatic (Performance Package)	20/28/23 City/Hwy/ Combined mpg	-	-	-
2.3L EcoBoost/10-speed SelectShift automatic (Convertible)	20/28/23 City/Hwy/ Combined mpg	-	-	-
2.3L EcoBoost/6-speed SelectShift manual (Convertible)	20/28/23 City/Hwy/ Combined mpg	-	-	-
5.0L Ti-VCT V8/10-speed SelectShift automatic (Fastback)	-	16/25/19 City/Hwy/ Combined mpg	-	-
5.0L Ti-VCT V8/10-speed SelectShift automatic (Convertible)	-	15/24/18 City/Hwy/ Combined mpg	-	-
5.0L Ti-VCT V8/6-speed manual (Fastback/Bullitt)	-	15/24/18 City/Hwy/ Combined mpg	15/24/18 City/Hwy/ Combined mpg	-
5.2L 6-speed manual	-	-	-	14/21/16 - City/Hwy/ Combined mpg

